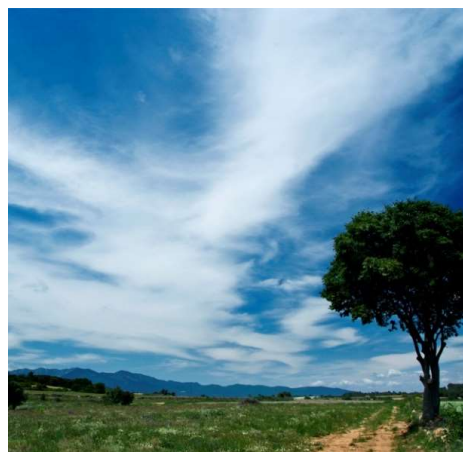


SIGNATURES

1.- Xavier López Cumbrü (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51



Pla d'Acció per l'Energia Sostenible i el Clima Garrotxa d'Empordà

ANNEX I - *SECAP Template*



Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".

Do not use this file for official submission



SECAP template d'Avinyonet de Puigventós

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Data d'impressió: 23/02/2023 08:52:02
Pàgina 3 de 151

SIGNATURES
1.- Xavier López Cumbrü (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Emission Inventory Avinyonet
Emission Inventory
1) Inventory year: 2022
2) Population in the inventory year: 5,191
3) Emission factors: IPCC (Intergovernmental Panel on Climate Change), LCA (Life Cycle Assessment), National/sub-national
4) Emission reporting unit: tonnes CO2, tonnes CO2 equivalent
5) Methodological note

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not occurring), "NE" (included elsewhere), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [+] buttons on the left to expand or collapse. Hide rows as appropriate for your emission inventory.

Table with columns: Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Biogas, Plant oil, Biofuel, Other biomass, Solar thermal, Geothermal, Total. Rows include BUILDINGS, TRANSPORT, and OTHER.

B. Energy supply

Hide sections or rows as appropriate for your emission inventory.

B1. Certified green electricity

Table with columns: Certified green electricity, Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh). Rows: Purchases Guarantees of Origin, Sales Guarantees of Origin.

B2. Local/distributed electricity production (Renewable energy only)

Table with columns: Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (t/MWh), CO2 / CO2 eq. emissions (t). Rows: Wind, Hydroelectric, Photovoltaics, Geothermal, Other.

B3. Local/distributed electricity production

Table with columns: Local electricity production plants, Electricity produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t). Rows: Combined Heat and Power, Other (ETS and large-scale plants > 20 MW not recommended).

B4. Local heat/cold production

Table with columns: Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t). Rows: Combined Heat and Power, District heating (heat-only), Other.

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table with columns: Electricity, Local, Heat/cold, Fossil fuels (Natural, Liquid, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table with columns: Non-energy related sectors, CO2 eq. emissions (t), Activity data (t/ton). Rows: Wastewater treatment, Solid waste disposal, Biological Treatment of Solid Waste, Incineration and Open Burning of Waste, Other.

Emission Inventory Summary

The emission inventory summary table is automatically generated in the online platform (My Covenant).

Additional comments

Additional comments text area.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

- Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

Climate Change Risks and Vulnerabilities

HOME

Table with 5 columns: Hazard, Impacted sector(s), Risk level, and Description. Includes rows for Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Mass movement, Wild fires, and Other.

Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

Table with 5 columns: Impacted sector(s), Relevant climate hazard(s), Adaptive capacity factor(s), Current adaptive capacity level, and Indicator. Includes a list of sectors like Buildings, Transport, Energy, Water, etc.

Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Table with 2 columns: Climate hazards and Most vulnerable population group(s). Includes a list of hazards like Extreme heat, Extreme cold, Heavy precipitation, etc.

Additional comments

Empty text box for additional comments.

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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 6 de 151

SIGNATURES
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Action Plan

HOME

1) Action plan(s) and other related documents

Action plan(s)	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Strategic Energy and Climate Action Plans (PACES) Girona	Line document of report for local Sustainable Energy Action European information	14-22	Departament de Girona and town halls	Integrated climate plan (add Equal to municipality's or Catalan)	Equal to municipality's or Catalan	Catalan	<input checked="" type="checkbox"/>
Other related documents	<p>SEAP monitoring report for all study municipalities</p> <p>ISE emissions reference inventory</p> <p>ISE Emission Tracking Inventory</p>	2016 2021	External consultants Departament de Girona	Emission inventory Emission inventory	Greater than municipality's but equal to municipality's boundary Equal to municipality's boundary	Catalan Catalan	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

List of actions

3) Mitigation actions
 Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan
Municipal buildings, equipment/offices	7
Industry, local municipal buildings, educational facilities	0
Residential buildings	11
Industry	0
Transport	8
Waste	9
Local Electricity Production	5
Local Heat/Cold Production	3
Others	7
TOTAL	50

Action plan implementation status			
Completed (%)	Ongoing (%)	Postponed (%)	Not started (%)
57.14%	0.00%	42.86%	22.22%
77.78%	0.00%	22.22%	62.50%
37.50%	0.00%	22.22%	100.00%
77.78%	0.00%	100.00%	100.00%
75.00%	0.00%	25.00%	25.00%

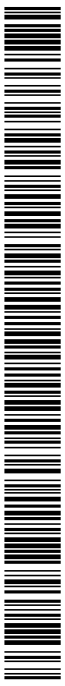
Estimated impacts in 2020, 2030 and/or other longer term			
In relation to:		June horizon	
Energy savings	Renewable energy production	BEI (option 1)	CO ₂ reduction
MWh/a	MWh/a	t CO ₂ e	
259.45	0	233.87	0
0	0	0	0
2043.01	0	1957.83	0
0	0	0	0
4872.42	0	2891.77	0
755.02	0	1256.09	0
0	1026.23	1407.44	0
1294.07	0	476.49	0
0	0	456.94	0
9222.97	1026.23	8480.43	0

4) Adaptation actions

Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan
Buildings	1
Landscaping	1
Energy	9
Water	2
Waste	2
Land Use Planning	1
Agriculture & Forestry	2
Environment & Biodiversity	2
Health	2
Civil Protection & Emergency	1
Education	1
ICT (Information & communication technologies)	2
Other	2
TOTAL	28

Action plan implementation status			
Completed (%)	Ongoing (%)	Postponed (%)	Not started (%)
0.00%	11.11%	88.89%	100.00%
0.00%	0.00%	100.00%	100.00%
0.00%	0.00%	100.00%	100.00%
0.00%	0.00%	100.00%	100.00%
0.00%	0.00%	100.00%	100.00%



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 Pàgina 7 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings:	1285,28	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	828,45	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 8 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
 853 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 9 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts

Energy savings:	<input type="text" value="686,4"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="330,16"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 10 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty

① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies)

Additional comments

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities

Related indicator: m3 rainwater collected and reused, m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down]

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 11 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 12 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 13 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

SIGNATURES

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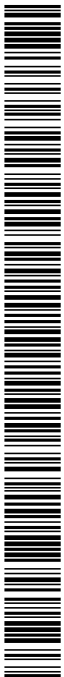
Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Boadella i les Escalles



Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

- Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 17 de 151

SIGNATURES
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Climate Change Risks and Vulnerabilities

[HOME](#)

<input checked="" type="checkbox"/>	Extreme cold	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/evacuated due to extreme weather event(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

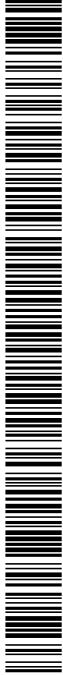
Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.	
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known
<input type="checkbox"/>	Extreme heat
<input type="checkbox"/>	Extreme cold
<input type="checkbox"/>	Heavy precipitation
<input type="checkbox"/>	Floods & sea level rise
<input type="checkbox"/>	Droughts & water scarcity
<input type="checkbox"/>	Storms
<input type="checkbox"/>	Mass movement
<input type="checkbox"/>	Wild fires
<input type="checkbox"/>	Other [please specify]

Additional comments



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 18 de 151

SIGNATURES
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Action Plan

HOME

1) Action plan(s) and other related documents

1) Action plan(s)

➔ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Barcelona	The document corresponds to the assessment of the actions implemented in the municipality as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	[dd/mm/yy]	Departament de Govern i Govern Local	Integrated climate plan (and Equal to municipality's to Catalan)	Greater than municipality's but Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
RE Emission Tracking Inventory	Data on CO2 emissions and consumption in each municipality	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>

2) Other related documents

➔ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	2016	External consultants	Emission inventory	Greater than municipality's but Equal to municipality's board Emissions inventory	Data of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
RE Emission Tracking Inventory	Data on CO2 emissions and consumption in each municipality	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>	

➔ Click on the [v] button on the left to expand or collapse.

List of actions

➔ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

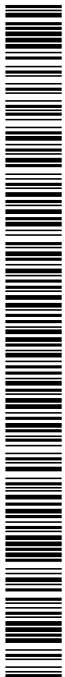
➔ Only if your local authority is committed to mitigation.

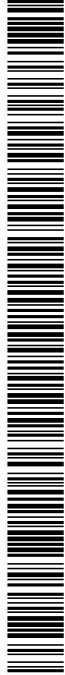
Mitigation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	12	75.00%	0	0	25.00%	15,5
Buildings from municipal buildings, equipment/facilities	2	0	0	0	100.00%	0
Residential buildings	0	0	0	0	0	494,3
Industry	0	0	0	0	0	0
Transport	8	37.50%	0	0	62.50%	602,12
Waste	4	75.00%	0	0	25.00%	18,52
Local Electricity Production	6	0	0	0	100.00%	0
Local Heat/Cold Production	2	0	0	0	100.00%	291,97
Others	7	100.00%	0	0	0	0
TOTAL	41					1422,41
						1048,69
						1678,595

4) Adaptation actions

➔ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0.00%	0.00%	0	100.00%	0
Transport	0	0	0	0	0	0
Energy	9	11.11%	0.00%	0	88.89%	0
Water	1	0.00%	0.00%	0	100.00%	0
Waste	1	0.00%	0.00%	0	100.00%	0
Land Use, Planning, Agriculture & Forestry	1	0.00%	0.00%	0	100.00%	0
Environment & Biodiversity	2	0.00%	0.00%	0	100.00%	0
Health	2	0.00%	0.00%	0	100.00%	0
Civil Protection & Emergency	1	0.00%	0.00%	0	100.00%	0
Tourism	1	0.00%	0.00%	0	100.00%	0
Education	2	0.00%	0.00%	0	100.00%	0
ICT (Information & communication technologies)	2	0.00%	0.00%	0	100.00%	0
TOTAL	20					





Key Actions HOME

Key actions
 Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
891 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved Insert additional rows as needed

Additional comments

9) Total implementation costs €
Source of funding:
Investment costs: €
Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	shift to walking & c	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	Other	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="163.39"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="68.3"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures (Please specify) [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
1000 characters left

Related indicator: (Please specify) [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures (Please specify) [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
1000 characters left

Related indicator: (Please specify) [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 20 de 151

SIGNATURES

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Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 915 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding:
 Investment costs: €
 Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics and use planner"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>		<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="0"/>	MWh/a
Renewable energy production:	<input type="text" value="675"/>	MWh/a
CO ₂ reduction:	<input type="text" value="324,67"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures (Please specify) [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 1000 characters left

Related indicator: (Please specify) [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures (Please specify) [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left

Related indicator: (Please specify) [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 21 de 151

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Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action **Encourage the installation of self-consumption photovoltaic solar energy in the residential sector and the services sector**

3) Origin of the action **Local authority**

4) Responsible body **Mayor**

5) Short description **Encourage the installation of self-consumption photovoltaic solar energy in the residential sector and the services sector** 878 characters left

6) Implementation timeframe
 Start: **2023**
 End: **2030**

7) Implementation status **Not started**

8) Stakeholders involved **Citizens** Insert additional rows as needed

Additional comments

9) Total implementation costs **546.000** €
 Source of funding: **[Drop-down]**
 Investment costs: **[Drop-down]** €
 Non-investment costs: **[Drop-down]** €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector **Local Electricity Production** To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	Photovoltaics rants and subac	[drop-down]	[drop-down]
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

11) Estimated impacts

Energy savings:	[Drop-down]	MWh/a
Renewable energy production:	368,55	MWh/a
CO ₂ reduction:	177,27	t CO ₂ /a

12) Vulnerable population group(s) targeted **All**

13) Financial savings **[Drop-down]** €

14) Life expectancy of the action **[Drop-down]** years

15) Return on Investment **[Drop-down]** %

16) Jobs created **[Drop-down]** full-time equivalent

17) Other figures **[Drop-down]** (numerical value) [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed **[Drop-down]**

19) Sector(s) **[Drop-down]**

20) Outcome(s) reached

Description: **[Drop-down]** 1000 characters left

Related indicator: **[Drop-down]** (Please specify) (numerical value) [Unit]

21) Vulnerable population group(s) targeted **[Drop-down]**

22) Avoided cost **[Drop-down]** €

23) Life expectancy of the action **[Drop-down]** years

24) Return on Investment **[Drop-down]** %

25) Jobs created **[Drop-down]** full-time equivalent

26) Other figures **[Drop-down]** (numerical value) [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted **[Drop-down]**

28) Outcome(s) reached

Description: **[Drop-down]** 1000 characters left

Related indicator: **[Drop-down]** (Please specify) (numerical value) [Unit]

Further information

30) Weblink **www.**

31) Video link **www.**

32) Picture **[upload]**

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 22 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICADO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
803 characters left

6) Implementation timeframe
Start:
End:

7) Implementation status

8) Stakeholders involved Insert additional rows as needed
Additional comments

9) Total implementation costs €
Source of funding: [Drop-down] €
Investment costs: €
Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector [Drop-down] To be filled in only for the concerned sector

Tool / Area of intervention:

Policy instrument:

11) Estimated impacts
Energy savings: MWh/a
Renewable energy production: MWh/a
CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted [Drop-down]

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures (Please specify) [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
Description:
Related indicator: [numerical value] 948 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures (Please specify) [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
Description:
Related indicator: (Please specify) [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 23 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
781 characters left

6) Implementation timeframe
Start:
End:

7) Implementation status

8) Stakeholders involved Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: [Drop-down] €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector [Drop-down] To be filled in only for the concerned sector

Tool / Area of intervention:

Policy instrument:

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted [Drop-down]

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures (Please specify) [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator:
 939 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures (Please specify) [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description:
 Related indicator: (Please specify) [numerical value] [Unit]
 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 24 de 151

SIGNATURES

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Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved insert additional rows as needed
 Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector To be filled in only for the concerned sector

Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention: <input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument: <input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

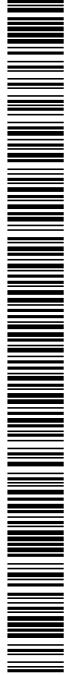
28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture



Key Actions HOME

Key actions
 Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved Insert additional rows as needed

Additional comments

9) Total implementation costs €
Source of funding: €
Investment costs: €
Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector To be filled in only for the concerned sector

Tool / Area of intervention:
Policy instrument:

11) Estimated impacts
Energy savings: MWh/a
Renewable energy production: MWh/a
CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
Description: 1000 characters left
Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
Description: 1000 characters left
Related indicator:

Further information

30) Weblink

31) Video link

32) Picture

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICADO: el secretari-interventor accidental), 16/01/2023 09:51



Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Pont de Molins



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 27 de 151

SIGNATURES
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Emission Inventory form for Pont de Molins. Includes sections for Final energy consumption (A), Energy supply (B), and CO2 emissions (C). Contains multiple tables for energy consumption, supply, and emissions data.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Origen: Administració
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 29 de 151

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 1.- Xavier López Cumbrú (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51



Climate Change Risks and Vulnerabilities HOME

<input checked="" type="checkbox"/>	Extreme cold	Buildings	High	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/located due to extreme weather events (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Low	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Low	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Moderate	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Low	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

ⓐ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
ⓐ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	ⓐ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

ⓐ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
ⓐ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments

Action Plan

HOME

1) Action plan(s) and other related documents

➡ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Barcelona	The Content of Mayor of Local Sustainable Energy, since European Commission's first resolution relation to make climate change at the local level	[dd/mm/yy]	Depart de Green and town halls	Integrated climate plan (ad/Equal to municipality's to Catalan)	Greater than municipality's to, Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
		[dd/mm/yy]			Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>

2) Other related documents

➡ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory.	2016	External consultants	Emission inventory	Greater than municipality's to, Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
RE Emissions reference inventory	Data on CO2 emissions and consumption in each municipality	2021	Depart de Green	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>
RE Emission Tracking Inventory	Data on CO2 emissions and consumption in each municipality	2021	Depart de Green	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➡ Click on the [v] button on the left to expand or collapse.

List of actions

➡ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➡ Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	14	69.23%	30.77%			
Buildings from municipal buildings, equipment/facilities.	0	33.33%	66.67%			
Industrial	3	25.00%	75.00%			
Transport	8	66.67%	16.67%			
Waste	6					
Local Electricity Production	5					
Local Heat/Cold Production	2					
Others	5					
TOTAL	43	100.00%				

Estimated impacts in 2020, 2030 and/or other horizons	from 2020 horizon	BEI (option 1)	
Renewable energy	MWh/a	MWh/a	CO ₂ e reduction
Energy savings	32,6	0	100,736
	106,269	0	512,65
	0	0	0
	1351,1	0	1388,53
	522,92	0	415,1
	428,83	641,18	772,76
	588,89	0	223,05
	0	0	98,15
TOTAL	3987,03	641,18	3520,976

4) Adaptation actions

➡ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0.00%	100.00%			
Transport						
Energy	9	11.11%	88.89%			
Water						
Waste						
Land Use, Planning	1	0.00%	100.00%			
Agriculture & Forestry	1	0.00%	100.00%			
Environment & Biodiversity						
Health	2	0.00%	100.00%			
Civil Protection & Emergency	2	0.00%	100.00%			
Tourism						
Education						
ICT (Information & communication technologies)	2	0.00%	100.00%			
Other						
TOTAL	18					

Action plan implementation status			
Completed (%)	On-going (%)	Postponed (%)	Non-started (%)



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 31 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings:	429.36	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	206.52	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 32 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
 844 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Ints and subsk"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="428.83"/>	MWh/a
Renewable energy production:	<input type="text" value="57.34"/>	MWh/a
CO ₂ reduction:	<input type="text" value="206.27"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 33 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts

Energy savings:	<input type="text" value="475.39"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="228.66"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 34 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty

① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies)

Additional comments

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities

Related indicator: m3 rainwater collected and reused, m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down]

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 35 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 36 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 37 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a

Renewable energy production: MWh/a

CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
1000 characters left

Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
1000 characters left

Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture



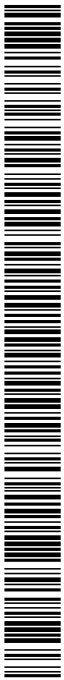
Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Cabanelles



Strategy

1) Location: from 2020 and beyond

Table with columns: CO2, Unit, Inten. Year, Base Year, Production, Inten. Year, Production, Inten. Year, Production. Includes rows for 2020, 2021, 2022 and a Total row.

3) Administrative structure. Type of administrative structure: Mono-sectorial, Multi-sectorial, Multi-sectorial - several departments assigned at different levels of government.

Table with columns: Type, Migration, Adoption, Estimated service equivalent (2020), Migration, Adoption, Estimated service equivalent (2020). Includes rows for Local authority, Other levels of government, External consultant, and Other.

Table with columns: Type of expenditure, Start/End date, Start/End date, Start/End date, Start/End date. Includes rows for Local authority's staff, Local authority's premises, and External services.

6) Budget. Overall budget: 2020, 2021, 2022. Budget period: From: 2020, To: 2022. Includes sections for Local authority's own resources and External services.

7) Monitoring process



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-0f99b90deee4
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Identificador document original: ES_L01081000_2022_20225617
Data d'impressió: 23/02/2023 08:52:02
Pàgina 40 de 151

SIGNATURES
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Emission Inventory form with fields for inventory year (2022), population (243), emission factors (IPCC, LCA, National/sub-national), reporting unit (tonnes CO2), and methodological notes.

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not occurring), "E" (included elsewhere), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [+] buttons on the left to expand or collapse. Hide rows as appropriate to your emission inventory.

Table A: FINAL ENERGY CONSUMPTION [MWh]. Columns include Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Biogas, Plant oil, Renewable energies (Biofuel, Other biomass, Solar thermal, Geothermal), and Total.

B. Energy supply

Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Table B1: Certified green electricity. Columns: Certified green electricity, Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh).

B2. Local/distributed electricity production (Renewable energy only)

Table B2: Local renewable electricity plants. Columns: Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (MWh/t), CO2 / CO2 eq. emissions (t).

B3. Local/distributed electricity production

Table B3: Local electricity production plants. Columns: Local electricity production plants, Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

B4. Local heat/cold production

Table B4: Local heat/cold production plants. Columns: Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table C1: CO2 emission factors. Columns: Electricity, Local, Heat/cold, Fossil fuels (Natural, Liquid, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table C2: Non-energy related sectors. Columns: Non-energy related sectors, CO2 eq. emissions (t), Activity data (t/ton).

Emission Inventory Summary
The emission inventory summary table is automatically generated in the online platform (My Covenant).

Additional comments

Additional comments text area.

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Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 41 de 151

SIGNATURES

1.- Xavier López Cumbrü (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform **MyCovenant** applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in **MyCovenant** is the same, the method of completion of the RVA will slightly differ.

① Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.

② To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Climate hazards	<< Current risk of hazard occurring >>		<< Future hazards >>		
	Probability of hazard	Impact of hazard	Expected change in hazard intensity	Expected change in hazard frequency	Timeframe(s)
① Step 1) Check the boxes for the climate hazards that are applicable to your local authority >>> Step 2) Fill in all green fields for the selected hazards by choosing (i.e. copying and pasting) option(s) in row# 14 >>> Step 3) Optionally, fill in information for the relevant sub-hazards (do not fill anything for sub-hazards that are not relevant).					
	Single choice: Low Moderate High Not known	Single choice: Low Moderate High Not known	Single choice: Increase Decrease No change Not known	Single choice: Increase Decrease No change Not known	Multiple choice: Short-term Mid-term Long-term Not known
<input checked="" type="checkbox"/> Extreme heat	High	High	Increase	Increase	Long-term
<input checked="" type="checkbox"/> Extreme cold	Moderate	Moderate	Increase	Increase	Long-term
<input checked="" type="checkbox"/> Heavy precipitation	Moderate	Moderate	Increase	Increase	Long-term
Heavy rainfall	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Heavy snowfall	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Fog	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Hail	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input checked="" type="checkbox"/> Floods & sea level rise	Moderate	Moderate	Increase	Increase	Long-term
Flash / surface flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
River flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Coastal flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Groundwater flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Permanent inundation	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input checked="" type="checkbox"/> Droughts & water scarcity	Moderate	Moderate	Increase	Increase	Long-term
<input checked="" type="checkbox"/> Storms	Low	Low	No change	No change	Long-term
Severe wind	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Tornado	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Cyclone (hurricane / typhoon)	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Tropical storm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Extratropical storm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Storm surge	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Lightning / thunderstorm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input checked="" type="checkbox"/> Mass movement	High	High	Increase	Increase	Short-term
Landslide	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Avalanche	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Rockfall	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Subsidence	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input checked="" type="checkbox"/> Wild fires	Moderate	Moderate	Increase	Increase	Long-term
Forest fire	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Land fire	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Chemical change	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Saltwater intrusion	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Ocean acidification	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Atmospheric CO2 concentrations	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Biological hazards	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Water-borne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Vector-borne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Airborne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
Insect infestation	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Other	[please specify]	[Please choose]	[Please choose]	[Please choose]	[Please choose]

Table 2) Vulnerable sectors

Climate hazards	Relevant vulnerable sector(s)	Current vulnerability level	Indicator
① Step 4) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 5) Choose (i.e. copy-paste) the relevant sectors from the list. When more than one sector is relevant, add separate rows for each sector and indicate the level of vulnerability against each sector identified.			
	Multiple choice: Buildings Transport Energy Water Waste Land use planning Agriculture & forestry Environment & biodiversity Health Civil protection & emergency Tourism Education ICT (Information & communication technologies) All listed sectors Not known	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.
<input checked="" type="checkbox"/> Extreme heat	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/> Extreme heat	Health	Moderate	Number of people injured/evacuated/displaced due to extreme weather event(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/> Extreme heat	Energy	High	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/> Extreme heat	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/> Extreme heat	Transport	Moderate	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/> Extreme heat	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input checked="" type="checkbox"/> Extreme heat	Tourism	Low	% change in tourist flows / tourism activities

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 Pàgina 42 de 151

SIGNATURES
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Climate Change Risks and Vulnerabilities

HOME

<input checked="" type="checkbox"/>	Extreme cold	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/isolated due to extreme weather events (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Low	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Low	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments

Action Plan

HOME

1) Action plan(s) and other related documents

➡ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Girona	The document corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory. Date or CO2 emissions and consumption in each municipality	16/22	Departament de Govern i Govern Local	Integrated climate plan (and Equal to municipality's to Catalan)	Greater than municipality's but Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
		[[dd/mm/yy]]					<input type="checkbox"/>
		[[dd/mm/yy]]					<input type="checkbox"/>

2) Other related documents

➡ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory. Date or CO2 emissions and consumption in each municipality	2016	External consultants	Emission inventory	Greater than municipality's but Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reference inventory	REC emissions reference inventory	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>
Data on CO2 emissions and consumption in each municipality		2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➡ Click on the [v] button on the left to expand or collapse.

List of actions

➡ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➡ Only if your local authority is committed to mitigation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	10	50.00%			50.00%	19,22
Buildings from municipal buildings, equipment/facilities	0				0	0
Residential buildings	3				100.00%	534,72
Industry	0				0	0
Transport	6				100.00%	657,5
Waste	8	75.00%	12.50%		12.50%	237,08
Local Electricity Production	6				100.00%	0
Local Heat/Cold Production	2				100.00%	291,88
Others	4				100.00%	0
TOTAL	39	100.00%				1740,4
						1024,21
						2884,95

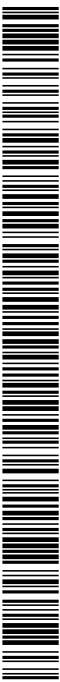
4) Adaptation actions

➡ Only if your local authority is committed to adaptation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1		0.00%		100.00%	
Transport						
Energy	5		0.00%		100.00%	
Water						
Waste	1		0.00%		100.00%	
Land Use, Planning, Agriculture & Forestry	1		0.00%		100.00%	
Environment & Biodiversity	2		0.00%		100.00%	
Health	2		0.00%		100.00%	
Civil Protection & Emergency						
Tourism						
Education	2		0.00%		100.00%	
ICT (Information & communication technologies)						
Other						
TOTAL	14		0.00%		100.00%	

Action plan implementation status

Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
50.00%	0.00%		100.00%
75.00%	12.50%		100.00%
100.00%			100.00%
0.00%			100.00%



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 Pàgina 44 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
691 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	shift to walking & c	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	Other	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 45 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
915 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics and use plannin"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="0"/>	MWh/a
Renewable energy production:	<input type="text" value="675"/>	MWh/a
CO ₂ reduction:	<input type="text" value="324,67"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 46 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other Grants and subsidies"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>	<input type="text" value="Other"/>

11) Estimated impacts

Energy savings:	<input type="text" value="215.53"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="103.67"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 47 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation. 803 characters left

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies) ② Insert additional rows as needed

Additional comments

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities. 948 characters left

Related indicator: m3 rainwater collected and reused [Drop-down] m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down] 1000 characters left

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 48 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 49 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 50 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 51 de 151

SIGNATURES

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Actions

HOME

Actions

① Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

② For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

1) Type of action

 Mitigation
 Adaptation
 Energy poverty

Mitigation
 Adaptation
 Energy poverty

③ Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

 [Drop-down]

4) Responsible body

5) Short description

1000 characters left

6) Implementation timeframe

Start: [Drop-Down]
 End: [Drop-Down]

7) Implementation status

 [Drop-Down]

8) Stakeholders involved

 [Drop-down]

④ For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs

Source of funding:	<input type="text"/> [Drop-down]	€
Investment costs:	<input type="text"/>	€
Non-investment costs:	<input type="text"/>	€

A. Mitigation

⑤ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector

 [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]
Policy instrument:	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]

⑥ To be filled in only for the concerned sector

11) Estimated impacts

Energy savings:	<input type="text"/>	MWh/a
Renewable energy production:	<input type="text"/>	MWh/a
CO ₂ reduction:	<input type="text"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

13) Financial savings

 €

14) Life expectancy of the action

 years

15) Return on Investment

 %

16) Jobs created

 full-time equivalent

17) Other figures

<input type="text"/> [Please specify]	<input type="text"/> [numerical value]	<input type="text"/> [Unit]
---------------------------------------	--	-----------------------------

B. Adaptation

⑤ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

 [Drop-down]

④ For multiple choice, insert additional rows as needed

19) Sector(s)

 [Drop-down]

④ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

1000 characters left

21) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

22) Avoided cost

 €

23) Life expectancy of the action

 years

24) Return on Investment

 %

25) Jobs created

 full-time equivalent

26) Other figures

<input type="text"/> [Please specify]	<input type="text"/> [numerical value]	<input type="text"/> [Unit]
---------------------------------------	--	-----------------------------

C. Energy poverty

⑤ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description:

Related indicator: [Please specify] [numerical value] [Unit]

1000 characters left

Further information

30) Weblink

 www.

31) Video link

 www.

32) Picture

 [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 53 de 151

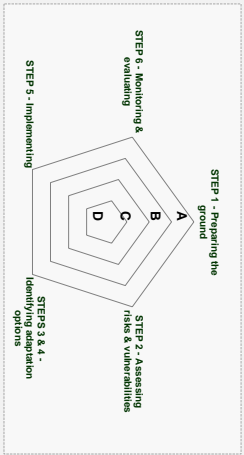
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ANNEX 2 - Adaptation Scoreboard

[HOME](#)

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next signatures of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Further progress	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self check of the Status	Comments
STEP 1 - Preparing the ground for adaptation STRATEGY	Adaptation commitments delineated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources For carrying out a Risk & Vulnerability Assessment conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed Possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEPS 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 54 de 151

SIGNATURES
 1.- Xavier López Cumbrú (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors

ID#	Sector	Indicator	Measurement unit	Numerical value
1.1	Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.2	Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT infrastructure damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.3	Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4	Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5	Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6	Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.7	Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.8	Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9	Health	Number of water quality warnings issued	No.	
1.10	Health	Number of air quality warnings issued	No.	
1.11	Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12	Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13	Environment & Biodiversity	% change in number of native species	%	
1.14	Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15	Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16	Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17	Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18	Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19	Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20	Agriculture & Forestry	% change in Forest composition	%	
1.21	Agriculture & Forestry	% change in water abstraction	%	
1.22	Tourism	% change in tourist flows / tourism activities	%	
1.23	Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24	Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

Table 2 Adaptive capacity

ID#	Adaptive capacity factor	Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

– Relevant resources

EUROSTAT Urban Audit – Database
 EEA's Urban Adaptation Map Viewer – Tool
 EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
 Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
 "World Council on City Data" – Open Data Portal
 ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sessions of standards are publicly available.
 Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)



SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICADO: el secretari-interventor accidental), 16/01/2023 09:51

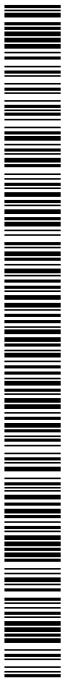
Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Cistella



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 56 de 151

SIGNATURES
1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Strategy

1) Location: from 2020 and beyond
[Text area for location details]

Table with columns: CO2, 20% 2020, 20% 2020, 20% 2020, 20% 2020. Includes sub-tables for 'Municip' and 'Adoption' with various metrics and dates.

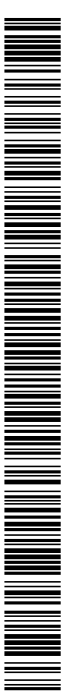
3) Administrative structure
Type of administrative structure
Multi-sectoral - from office of one sectoral department assigned with the municipal administration
Multi-sectoral - several departments assigned at different levels of government (e.g. provincial/municipal)
Comments [v]

Table with columns: Type, Migration, Adoption, Estimated relative equivalent (2020), Migration, Adoption, Estimated relative equivalent (2020). Includes a 'Total' row.

Table with columns: Type of expenditures, Stakeholders required, Engagement level, Engagement methods, Engagement purposes. Includes a 'Total' row.

Table with columns: Local authority's own resources, External sources, Not allocated to any source. Includes a 'Total' row.

7) Monitoring process
[Text area for monitoring process]



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Pàgina 57 de 151

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Emission Inventory form with sections: 1) Inventory year (2019), 2) Population in the inventory year (282), 3) Emission factors (IPCC, LCA, National/sub-national), 4) Emission reporting unit (tonnes CO2, tonnes CO2 equivalent), 5) Methodological note.

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not occurring), "NE" (included elsewhere), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [+] buttons on the left to expand or collapse. Hide rows as appropriate to your emission inventory.

Table A: FINAL ENERGY CONSUMPTION [MWh]. Columns: Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Biogas, Plant oil, Renewable energies (Biofuel, Other biomass, Solar thermal, Geothermal), Total.

B. Energy supply

Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Table B1: Certified green electricity. Columns: Renewable electricity (MWh), CO2 / CO2eq. Emission factor (t/MWh). Rows: Purchases Guarantees of Origin (within the municipality boundaries), Sales Guarantees of Origin (within the municipality boundaries).

B2. Local/distributed electricity production (Renewable energy only)

Table B2: Local renewable electricity plants. Columns: Renewable electricity produced (MWh), Emission factor (t/MWh), CO2 / CO2eq. emissions (t). Rows: Wind, Hydroelectric, Photovoltaics, Geothermal, Other.

B3. Local/distributed electricity production

Table B3: Local electricity production plants. Columns: Electricity produced (MWh) from renewable sources, non-renewable sources, Energy carrier input (MWh) for fossil fuels and other, CO2 / CO2eq. emissions (t) for fossil and renewable sources.

B4. Local heat/cold production

Table B4: Local heat/cold production plants. Columns: Heat/cold produced (MWh) from renewable sources, non-renewable sources, Energy carrier input (MWh) for fossil fuels and other, CO2 / CO2eq. emissions (t) for fossil and renewable sources.

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table C1: CO2 emission factors. Columns: Electricity (National, Local), Heat/cold, Fossil fuels (Natural, Liquid, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table C2: Non-energy related sectors. Columns: CO2 eq. emissions (t), Activity data (t/ton). Rows: Waste management (Solid waste disposal, Biological Treatment of Solid Waste, Incineration and Open Burning of Waste, Other), Non-ferrous metal production, Other non-ferrous metal production.

Emission Inventory Summary

The emission inventory summary table is automatically generated in the online platform (My Covenant).

Additional comments

Additional comments text area.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

- Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show 'Extreme heat' linked to sectors like Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Pàgina 59 de 151

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Climate Change Risks and Vulnerabilities

[HOME](#)

<input checked="" type="checkbox"/>	Extreme cold	Buildings	High	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/isolated due to extreme weather event(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

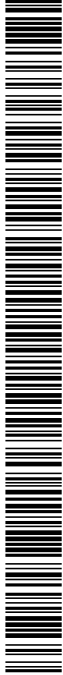
Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.	
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known
<input type="checkbox"/>	Extreme heat
<input type="checkbox"/>	Extreme cold
<input type="checkbox"/>	Heavy precipitation
<input type="checkbox"/>	Floods & sea level rise
<input type="checkbox"/>	Droughts & water scarcity
<input type="checkbox"/>	Storms
<input type="checkbox"/>	Mass movement
<input type="checkbox"/>	Wild fires
<input type="checkbox"/>	Other [please specify]

Additional comments



Action Plan

HOME

1) Action plan(s) and other related documents

1) Action plan(s)
 Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Cardener d'Empordanès	The document corresponds to the assessment of the actions implemented in the municipality as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	16/22	Departament de Govern i Govern Local	Integrated climate plan (ad) Equal to municipality's climate plan	Greater than municipality's board Emission inventory Equal to municipality's board Emission inventory	Catalan	<input checked="" type="checkbox"/>
		[[dd/mm/yy]]					<input type="checkbox"/>
		[[dd/mm/yy]]					<input type="checkbox"/>

2) Other related documents

Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	2016	External consultants	Emission inventory	Greater than municipality's board	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reduction inventory		2021	Departament de Govern	Emission inventory	Equal to municipality's board Emission inventory		Catalan	<input checked="" type="checkbox"/>
Data on CO2 emissions and consumption in each municipality		2021	Departament de Govern	Emission inventory	Equal to municipality's board Emission inventory		Catalan	<input checked="" type="checkbox"/>

Click on the [v] button on the left to expand or collapse.

List of actions

Press as many rows as necessary. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

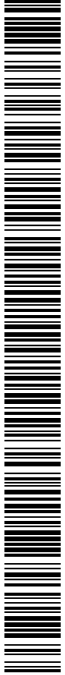
Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	10	60.00%	0.00%	0.00%	40.00%	35,42
Buildings from municipal buildings, equipment/facilities	3				100.00%	0
Residential buildings	0				100.00%	535,16
Industry	3				0	0
Transport	7	14.29%	50.00%		85.71%	623,9
Waste	7	71.43%			28.57%	88,66
Local Electricity Production	6				100.00%	0
Local Heat/Cold Production	3				100.00%	319,41
Others	1				0	0
TOTAL	37	100.00%	0.00%	0.00%	100.00%	1692,55
						966,76
						281,141

4) Adaptation actions

Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0.00%	0.00%		100.00%	0.00%
Transport						
Energy	9	11.11%			88.89%	
Water						
Waste	1	0.00%	0.00%		100.00%	
Land Use, Planning, Agriculture & Forestry	1	0.00%	0.00%		100.00%	
Environment & Biodiversity	2	0.00%	0.00%		100.00%	
Health	2	0.00%	0.00%		100.00%	
Civil Protection & Emergency	1	0.00%	0.00%		100.00%	
Tourism	1	0.00%	0.00%		100.00%	
Education						
ICT (Information & communication technologies)	2	0.00%	0.00%		100.00%	
Other						
TOTAL	20	0.00%	0.00%	0.00%	100.00%	0.00%



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 Pàgina 61 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
691 characters left

6) Implementation timeframe
Start:
End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	shift to walking & c	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	Other	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 62 de 151

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Key Actions

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Key actions

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1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 915 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics and use planning"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="0"/>	MWh/a
Renewable energy production:	<input type="text" value="675"/>	MWh/a
CO ₂ reduction:	<input type="text" value="324,67"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 63 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other Grants and subsidies"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>	<input type="text" value="Other"/>

11) Estimated impacts

Energy savings:	<input type="text" value="80,6"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="38,77"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 64 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation. 803 characters left

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies) ② Insert additional rows as needed

Additional comments

9) Total implementation costs: 148.700 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities. 948 characters left

Related indicator: m3 rainwater collected and reused [Drop-down] m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down] 1000 characters left

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 65 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 66 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action
 Training plan aimed at elected officials and municipal workers. Creation of the "Municipal Commission for Adaptation to Climate Change"

3) Origin of the action
 Local authority

4) Responsible body
 Mayor

5) Short description
 proposed to carry out training and awareness plan for elected officials and the creation of a "Municipal Commission for adaptation ar
 613 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status
 Not started

8) Stakeholders involved
 Sub-national governments(s) and/or agency(ies) ② Insert additional rows as needed

Additional comments

9) Total implementation costs
 25.704 €
 Source of funding: [Drop-down] €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector
 [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted
 All

13) Financial savings
 1.500.000 €

14) Life expectancy of the action
 years

15) Return on Investment
 %

16) Jobs created
 full-time equivalent

17) Other figures
 [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed
 Other

19) Sector(s)
 Education

20) Outcome(s) reached
 Description: offer training to all municipal workers
 961 characters left
 Related indicator: number of municipal workers who have received the training

21) Vulnerable population group(s) targeted
 [Drop-down]

22) Avoided cost
 €

23) Life expectancy of the action
 years

24) Return on Investment
 %

25) Jobs created
 full-time equivalent

26) Other figures
 [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted
 [Drop-down]

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink
 www.

31) Video link
 www.

32) Picture
 [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 67 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

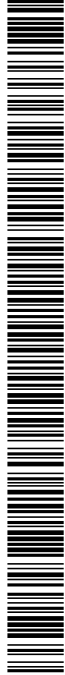
Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture



Actions HOME

Actions

① Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

② For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

1) Type of action Mitigation Adaptation Energy poverty ③ Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ④ For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs €

Source of funding: €

Investment costs: €

Non-investment costs: €

A. Mitigation

⑤ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ⑥ To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a

Renewable energy production: MWh/a

CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted ④ For multiple choice, insert additional rows as needed

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

⑦ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed ⑧ For multiple choice, insert additional rows as needed

19) Sector(s) ⑧ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted ⑧ For multiple choice, insert additional rows as needed

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

⑨ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted ⑧ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 69 de 151

SIGNATURES
 1.- Xavier López Cumbrú (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

ANNEX 1 - Fuel Emission Factors Database

HOME

Fuel type	Fuel type										Renewable energy																		
	Natural gas	Liquid gas	Natural gas	Gas/Diesel oil	Diesel	Gas/Diesel oil	Gasoline	Lighter	Lighter	Other	Coal	Sub-bituminous coal	Municipal waste (non-ferrous)	Peat	Other liquid fuels	Part oil	Biogas (1)	Biogas (2)	Biogas (3)	Biogas (4)	Other biomass (1)	Other biomass (2)	Other biomass (3)	Wood	Wood of high energy yield (1)	Other biomass (4)	Other biomass (5)	Other biomass (6)	
PCF Energy center																													
Sustainability criteria (a)																													
PCF	0.02	0.27	0.21	0.87	0.27	0.27	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	
LCA	0.21	n.a.	n.a.	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	

PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

a. Taking into consideration also the CH₄ and the N₂O emissions from combustion in stationary sources.

b. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

c. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

d. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

e. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

f. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

g. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

h. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

i. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

j. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

k. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

l. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

m. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

n. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

o. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

p. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

q. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

r. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

s. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

t. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

u. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

v. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

w. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

x. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

y. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).

z. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (a) and sustainable (b)).



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 70 de 151

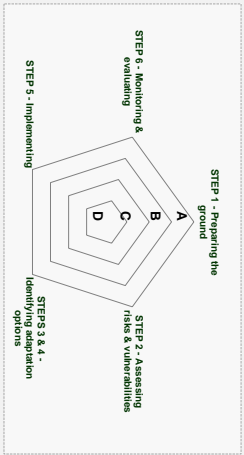
SIGNATURES
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ANNEX 2 - Adaptation Scoreboard

[HOME](#)

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next signature(s) of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Progressing rapidly	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self check of the Status	Comments
STEP 1 - Preparing the ground for adaptation ➔ STRATEGY	Adaptation commitments defined/allocated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources (for carrying out a Risk & Vulnerability Assessment) conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change ➔ RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed Possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ➔ ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating ➔ INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

500 chars left

500 chars left

500 chars left

500 chars left

500 chars left

Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEP 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



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Data d'impressió: 23/02/2023 08:52:02
 Pàgina 71 de 151

ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors	Indicator	Measurement unit	Numerical value
1.1 Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per year / over a certain period)	
1.2 Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT infrastructure damaged by extreme weather conditions/events	(per year / over a certain period)	
1.3 Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4 Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5 Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6 Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.7 Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.8 Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9 Health	Number of water quality warnings issued	No.	
1.10 Health	Number of air quality warnings issued	No.	
1.11 Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12 Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13 Environment & Biodiversity	% change in number of native species	%	
1.14 Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15 Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16 Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17 Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18 Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19 Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20 Agriculture & Forestry	% change in Forest composition	%	
1.21 Agriculture & Forestry	% change in water abstraction	%	
1.22 Tourism	% change in tourist flows / tourism activities	%	
1.23 Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24 Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

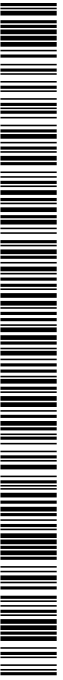
Table 2 Adaptive capacity

ID#	Adaptive capacity factor	Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

– Relevant resources

- EUROSTAT Urban Audit – Database
- EEA's Urban Adaptation Map Viewer – Tool
- EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
- Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
- "World Council on City Data" – Open Data Portal
- ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sections of standards are publicly available.
- Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)





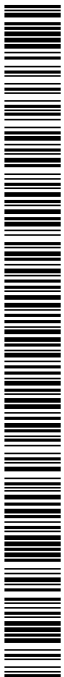
Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



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SECAP template de Lladó



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 73 de 151

SIGNATURES
1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Strategy

1) Location: from 2020 and beyond
[Text area for location details]

Table with columns: CO2, Unit, Inten. Year, Base Year, Production, Inten. Year, Base Year, Adoption, Unit, Target year, Base Year, Progress towards target. Includes data for 2020, 2021, 2022, 2023, 2024, 2025, 2026.

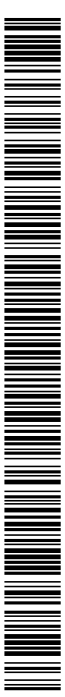
3) Administrative structure
Type of administrative structure
Non-sectorial - from office of one sectoral department assigned with the municipal administration
Multi-sectorial - several departments assigned at different levels of government (e.g. provincial/regional)
Multi-sectorial - several departments assigned at different levels of government (e.g. provincial/regional)
Comments [v]

4) Staff centrally allocated
Table with columns: Type, Migration, Adoption, Estimated full-time equivalent (FTEs), Migration, Adoption, Estimated full-time equivalent (FTEs). Includes rows for Local authority, Public bodies of administrative law, External consultant, and Other.

5) Stakeholder engagement
Table with columns: Type of stakeholders, Stakeholders engaged, Engagement method(s), Engagement purpose. Includes rows for Local authority's staff, Stakeholders of the local authority, Stakeholders of government, and Stakeholders of the private sector.

6) Budget
Overall budget resources for data implementation
Table with columns: Total (€), Migration (%), Adoption (%). Includes rows for Local authority's own resources, External sources, and Not allocated to any sources.

7) Monitoring process
[Text area for monitoring process]



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 74 de 151

SIGNATURES
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Emission Inventory form with sections for inventory year (2019), population (818), emission factors, reporting unit, and methodological notes.

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not indicated), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [x] buttons on the left to expand or collapse. Hide rows as appropriate to your emission inventory.

Table A: FINAL ENERGY CONSUMPTION [MWh]. Columns include Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Biogas, Plant oil, Biofuel, Other biomass, Solar thermal, Geothermal, and Total.

B. Energy supply

Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Table B1: Certified green electricity. Columns: Certified green electricity, Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh).

B2. Local/distributed electricity production (Renewable energy only)

Table B2: Local renewable electricity plants. Columns: Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (MWh), CO2 / CO2 eq. emissions (t).

B3. Local/distributed electricity production

Table B3: Local electricity production plants. Columns: Local electricity production plants, Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

B4. Local heat/cold production

Table B4: Local heat/cold production plants. Columns: Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table C1: CO2 emission factors. Columns: Electricity, Local, Heat/cold, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table C2: Non-energy related sectors. Columns: Non-energy related sectors, CO2 eq. emissions (t), Activity data (t/ton).

Emission Inventory Summary
The emission inventory summary table is automatically generated in the online platform (MyCovenant).

Additional comments

Additional comments text area.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 76 de 151

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Climate Change Risks and Vulnerabilities HOME

<input checked="" type="checkbox"/>	Extreme cold	Buildings	High	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/isolated due to extreme weather event(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

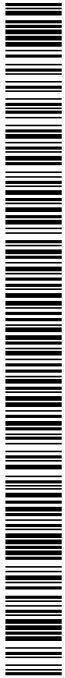
Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments



Action Plan

HOME

1) Action plan(s) and other related documents

➡ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Girona	The "Contract of Mayor" for Local Sustainable Energy, signed European Commission's first ambitious intention in waste energy chains at the local	16/22 [dd/mm/yy]	Departament de Govern i Govern local	Integrated climate plan (ad/Equal to municipality's to Catalan	Greater than municipality's to, Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
						Catalan	<input checked="" type="checkbox"/>

2) Other related documents

➡ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory.	2016	External consultants	Emission inventory	Greater than municipality's to, Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reference inventory	Data on CO2 emissions and consumption in each municipality	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➡ Click on the [v] button on the left to expand or collapse.

List of actions

➡ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➡ Only if your local authority is committed to mitigation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	6	33.33%			66.67%	62,26
Buildings from municipal buildings, equipment/facilities.	2				100,00%	0
Residential buildings	0				0	940,08
Industry	2	14,29%			85,71%	0
Transport	7		50,00%		50,00%	1.349,83
Waste	2				100,00%	376,46
Local Electricity Production	6				100,00%	347,33
Local Heat/Cold Production	2				100,00%	1.006,75
Others	0				0	588,6
TOTAL	25					364,56

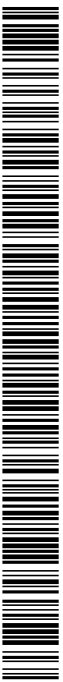
4) Adaptation actions

➡ Only if your local authority is committed to adaptation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Adaptation sectors						
Buildings	1	0,00%			100,00%	0,00%
Transport						
Energy	9	11,11%			88,89%	11,11%
Water	2	0,00%			100,00%	0,00%
Waste	2	0,00%			100,00%	0,00%
Land Use, Planning, Agriculture & Forestry	1	0,00%			100,00%	0,00%
Environment & Biodiversity	2	0,00%			100,00%	0,00%
Health	3	0,00%			100,00%	0,00%
Civil Protection & Emergency	2	0,00%			100,00%	0,00%
Tourism						
Education						
ICT (Information & communication technologies)	2	0,00%			100,00%	0,00%
TOTAL	20					

Action plan implementation status

Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
0,00%	0,00%	100,00%	100,00%



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 78 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings:	321,67	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	154,72	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 79 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
844 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Ints and subsk"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="347,33"/>	MWh/a
Renewable energy production:	<input type="text" value="189,5"/>	MWh/a
CO ₂ reduction:	<input type="text" value="167,07"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 80 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 81 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation. 803 characters left

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies) ② Insert additional rows as needed

Additional comments

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities. 948 characters left

Related indicator: m3 rainwater collected and reused [Drop-down] m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down] 1000 characters left

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 82 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 83 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 84 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture



Actions HOME

Actions

Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

1) Type of action

Mitigation
Adaptation
Energy poverty Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action [Drop-down]

4) Responsible body

5) Short description 1000 characters left

6) Implementation timeframe

Start: [Drop-Down]
End: [Drop-Down]

7) Implementation status [Drop-Down]

8) Stakeholders involved [Drop-down] For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs

Source of funding: [Drop-down] €
Investment costs: €
Non-investment costs: €

A. Mitigation

Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

To be filled in only for the concerned sector

11) Estimated impacts

Energy savings: [] MWh/a
Renewable energy production: [] MWh/a
CO₂ reduction: [] t CO₂/a

12) Vulnerable population group(s) targeted [Drop-down] For multiple choice, insert additional rows as needed

13) Financial savings [] €

14) Life expectancy of the action [] years

15) Return on Investment [] %

16) Jobs created [] full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down] r: r or multiple choice, insert additional rows as needed

19) Sector(s) [Drop-down] r: r or multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: [] 1000 characters left
Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down] r: r or multiple choice, insert additional rows as needed

22) Avoided cost [] €

23) Life expectancy of the action [] years

24) Return on Investment [] %

25) Jobs created [] full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down] r: r or multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description: [Please specify] 1000 characters left
Related indicator: [numerical value] [Unit]

Further information

30) Weblink [www.]

31) Video link [www.]

32) Picture [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 86 de 151

SIGNATURES
 1.- Xavier López Cumbrüu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

ANNEX 1 - Fuel Emission Factors Database

HOME

Fuel type	Fuel type										Renewable energies																	
	Natural gas	Liquid gas	Natural gas	Gas/Diesel oil	Diesel	Gasoline	Gasoline	Lighter	Lighter	Amberkade	Other Biomass	Coal	Sub-Biomass	Municipal Waste (non-ferrous)	Peat	Other liquid fuels	Part oil	Biogas (1)	Biogas (2)	Biogas (3)	Other biomass (1)	Other biomass (2)	Other biomass (3)	Wood	Other biomass (4)	Other biomass (5)	Other biomass (6)	
PCF Energy center	Natural gas	Liquid Petroleum Gas	Natural Gas	Gas/Diesel oil	Gas/Diesel oil	Gasoline	Gasoline	Lighter	Lighter	Amberkade	Other Biomass	Coal	Sub-Biomass	Municipal Waste (non-ferrous)	Peat	Other liquid fuels	Part oil	Biogas (1)	Biogas (2)	Biogas (3)	Other biomass (1)	Other biomass (2)	Other biomass (3)	Wood	Other biomass (4)	Other biomass (5)	Other biomass (6)	
Sustainability criteria (a)	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
PCF Energy center	0.02	0.277	0.231	0.267	0.267	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249
CO ₂ eq/MWh ¹⁰	0.02	0.277	0.231	0.267	0.267	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249
CO ₂ eq/MWh ¹¹	0.02	0.277	0.231	0.267	0.267	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249
CO ₂ eq/MWh ¹²	0.02	0.277	0.231	0.267	0.267	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249	0.249

PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (b) sustainable (c) and sustainable (d) and sustainable (e) and sustainable (f) and sustainable (g) and sustainable (h) and sustainable (i) and sustainable (j) and sustainable (k) and sustainable (l) and sustainable (m) and sustainable (n) and sustainable (o) and sustainable (p) and sustainable (q) and sustainable (r) and sustainable (s) and sustainable (t) and sustainable (u) and sustainable (v) and sustainable (w) and sustainable (x) and sustainable (y) and sustainable (z).

10. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (b) sustainable (c) and sustainable (d) and sustainable (e) and sustainable (f) and sustainable (g) and sustainable (h) and sustainable (i) and sustainable (j) and sustainable (k) and sustainable (l) and sustainable (m) and sustainable (n) and sustainable (o) and sustainable (p) and sustainable (q) and sustainable (r) and sustainable (s) and sustainable (t) and sustainable (u) and sustainable (v) and sustainable (w) and sustainable (x) and sustainable (y) and sustainable (z).

11. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (b) sustainable (c) and sustainable (d) and sustainable (e) and sustainable (f) and sustainable (g) and sustainable (h) and sustainable (i) and sustainable (j) and sustainable (k) and sustainable (l) and sustainable (m) and sustainable (n) and sustainable (o) and sustainable (p) and sustainable (q) and sustainable (r) and sustainable (s) and sustainable (t) and sustainable (u) and sustainable (v) and sustainable (w) and sustainable (x) and sustainable (y) and sustainable (z).

12. PCF emissions factor should be reported zero if the hydrocarbons meet sustainability criteria (fuel) has emissions factors to be used (fuels are sustainable (a) sustainable (b) sustainable (c) and sustainable (d) and sustainable (e) and sustainable (f) and sustainable (g) and sustainable (h) and sustainable (i) and sustainable (j) and sustainable (k) and sustainable (l) and sustainable (m) and sustainable (n) and sustainable (o) and sustainable (p) and sustainable (q) and sustainable (r) and sustainable (s) and sustainable (t) and sustainable (u) and sustainable (v) and sustainable (w) and sustainable (x) and sustainable (y) and sustainable (z).



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 87 de 151

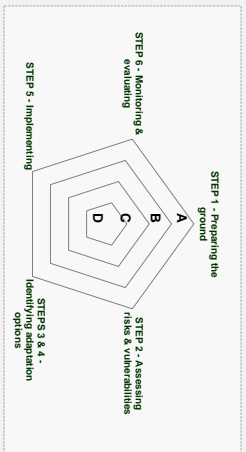
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ANNEX 2 - Adaptation Scoreboard

[HOME](#)

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next signature(s) of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Further progress	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self-check of the Status	Comments
STEP 1 - Preparing the ground for adaptation ➔ STRATEGY	Adaptation commitments delineated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources (for carrying out a Risk & Vulnerability Assessment) conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change ➔ RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed Possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ➔ ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating ➔ INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

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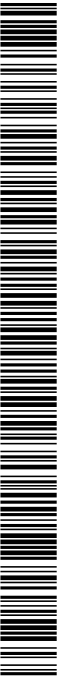
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Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEP 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 88 de 151

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ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors

ID#	Sector	Indicator	Measurement unit	Numerical value
1.1	Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.2	Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT infrastructure damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.3	Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4	Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5	Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6	Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.7	Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.8	Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9	Health	Number of water quality warnings issued	No.	
1.10	Health	Number of air quality warnings issued	No.	
1.11	Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12	Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13	Environment & Biodiversity	% change in number of native species	%	
1.14	Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15	Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16	Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17	Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18	Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19	Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20	Agriculture & Forestry	% change in Forest composition	%	
1.21	Agriculture & Forestry	% change in water abstraction	%	
1.22	Tourism	% change in tourist flows / tourism activities	%	
1.23	Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24	Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

Table 2 Adaptive capacity

ID#	Adaptive capacity factor	Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

– Relevant resources

- EUROSTAT Urban Audit – Database
- EEA's Urban Adaptation Map Viewer – Tool
- EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
- Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
- "World Council on City Data" – Open Data Portal
- ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sections of standards are publicly available.
- Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)





Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



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SECAP template de Llers

Strategy

1) Location: from 2020 and beyond

Empty text box for location information.

2) Targets and comments(s)

Table with columns: CO2, GHG, Local, Unit, Target Year, 2020, 2025, 2030, Production, Adoption, Unit, Target year, 2020, 2025, 2030, Program's awards target.

3) Administrative structure

Form for administrative structure with checkboxes for Multi-sectoral, Multi-departmental, and Multi-sectoral departments.

4) Staff centrally allocated

Table for staff allocation with columns: Type, Migration, Adoption, Estimated full-time equivalent (FTE), Migration, Adoption, Estimated full-time equivalent (FTE), Total.

5) Stakeholder engagement

Table for stakeholder engagement with columns: Type of stakeholders, Stakeholders engaged, Engagement method(s), Engagement level, Engagement purpose.

6) Budget

Table for budget information with columns: Overall budget, Migration, Adoption, Total, Migration, Adoption, Total, From, To, Migration, Adoption, Total.

7) Monitoring process

Empty text box for monitoring process.



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 91 de 151

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Emission Inventory

Emission Inventory form with fields for year (2022), population (1145), reporting unit (tonnes CO2 equivalent), and methodological notes.

A. Final energy consumption

Table A: Final energy consumption (MWh). Columns include Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Renewable energies (Biogas, Plant oil, Biofuel, Other biomass, Solar thermal, Geothermal), and Total.

B. Energy supply

B1. Certified green electricity

Table B1: Certified green electricity. Columns: Certified green electricity, Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh).

B2. Local/distributed electricity production (Renewable energy only)

Table B2: Local/distributed electricity production (Renewable energy only). Columns: Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (t/MWh), CO2 / CO2 eq. emissions (t).

B3. Local/distributed electricity production

Table B3: Local/distributed electricity production. Columns: Local electricity production plants, Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

B4. Local heat/cold production

Table B4: Local heat/cold production. Columns: Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t).

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table C1: CO2 emission factors adopted (t/MWh). Columns: Electricity, Local, Heat/cold, Fossil fuels (Natural, Liquid, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table C2: Non-energy related sectors. Columns: Non-energy related sectors, CO2 eq. emissions (t), Activity data (t/ton).

Emission Inventory Summary
The emission inventory summary table is automatically generated in the online platform (MyCovenant).

Additional comments field.

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Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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Data d'impressió: 23/02/2023 08:52:02
Pàgina 93 de 151

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Climate Change Risks and Vulnerabilities

HOME

Table with 5 columns: Hazard, Sector, Risk Level, Indicator, and Description. Includes rows for Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Mass movement, Wild fires, and Other.

Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

Table with 5 columns: Impacted sector(s), Relevant climate hazard(s), Adaptive capacity factor(s), Current adaptive capacity level, and Indicator. Includes a detailed description of the table's purpose and a list of sectors with their corresponding adaptive capacity factors.

Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Table with 2 columns: Climate hazards and Most vulnerable population group(s). Includes a detailed list of vulnerable groups and a list of hazards with checkboxes for selection.

Additional comments

Empty text box for additional comments.

Action Plan

HOME

1) Action plan(s) and other related documents

➤ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Cardener d'Empordanès	The Content of Report for Local Sustainable Energy - since European Commission's first resolution relation to make climate change at the local level	[dd/mm/yy]	Depart de Ciències i Tècniques	Integrated climate plan (ad/Equal to municipality's to Catalan)	Greater than municipality's to, Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
		[dd/mm/yy]			Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>

2) Other related documents

➤ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory.	2016	External consultants	Emission inventory	Greater than municipality's to, Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reference inventory	Data on CO2 emissions and consumption in each municipality	2021	Depart de Ciències i Tècniques	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➤ Click on the [v] button on the left to expand or collapse.

Comments [v]

List of actions

➤ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➤ Only if your local authority is committed to mitigation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	11	63.64%	36.36%	0	0	339,774
Buildings from municipal buildings, equipment/facilities.	0					0
Industrial buildings	3					26771,532
Industry	0					0
Transport	5	71.43%	14.29%	0	0	3327,89
Waste	7					1363,41
Local Electricity Production	5					0
Local Heat/Cold Production	3	100.00%				1484,37
Others	1					0
TOTAL	35					9186,942

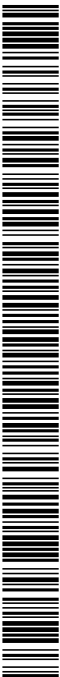
4) Adaptation actions

➤ Only if your local authority is committed to adaptation.

Sector	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0.00%	0.00%		100.00%	
Transport	0					
Energy	9	11.11%	88.89%			
Water	2	0.00%	0.00%		100.00%	
Land Use, Planning, Agriculture & Forestry	1	0.00%	0.00%		100.00%	
Environment & Biodiversity	2	0.00%	0.00%		100.00%	
Health	2	0.00%	0.00%		100.00%	
Civil Protection & Emergency	2	0.00%	0.00%		100.00%	
Tourism	0					
Education	2	0.00%	0.00%		100.00%	
ICT (Information & communication technologies)	0					
Other	0					
TOTAL	19					

Action plan implementation status

Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
0.00%	0.00%		100.00%
11.11%	88.89%		
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%
0.00%	0.00%		100.00%



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 Pàgina 95 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]

11) Estimated impacts

Energy savings:	675,62	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	324,97	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Pàgina 96 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 963 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>	<input type="text" value="aste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Grants and subsidies"/>	<input type="text" value="Other"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: tCO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 97 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action	<input checked="" type="checkbox"/> Mitigation <input type="checkbox"/> Adaptation <input type="checkbox"/> Energy poverty	① Only in combination with 'Mitigation' and/or 'Adaptation' actions
2) Title of the action	Implement the door-to-door collection system	
3) Origin of the action	Local authority	
4) Responsible body	Mayor	
5) Short description	The door-to-door collection system is proposed to improve recycling rates and reduce associated emissions.	
6) Implementation timeframe	Start: 2022 End: 2025	
7) Implementation status	Not started	
8) Stakeholders involved	Citizens	
9) Total implementation costs	91.802 €	
	Source of funding: [Drop-down]	€
	Investment costs:	€
	Non-investment costs:	€

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector	Waste							① To be filled in only for the concerned sector
	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	Photovoltaics and use planning	[drop-down]	Waste & wastewater management	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]		[drop-down]	Other	
11) Estimated impacts	Energy savings: 1239,47 MWh/a		Renewable energy production: 0 MWh/a		CO ₂ reduction: 596,18 t CO ₂ /a			
12) Vulnerable population group(s) targeted	All							
13) Financial savings	€							
14) Life expectancy of the action	10 years							
15) Return on Investment	%							
16) Jobs created	full-time equivalent							
17) Other figures	[Please specify]		[numerical value]		[Unit]			

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed	[Drop-down]							
19) Sector(s)	[Drop-down]							
20) Outcome(s) reached	Description: [Text area]							
	Related indicator: [Please specify]		[numerical value]		[Unit]		1000 characters left	
21) Vulnerable population group(s) targeted	[Drop-down]							
22) Avoided cost	€							
23) Life expectancy of the action	years							
24) Return on Investment	%							
25) Jobs created	full-time equivalent							
26) Other figures	[Please specify]		[numerical value]		[Unit]			

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted	[Drop-down]							
28) Outcome(s) reached	Description: [Text area]							
	Related indicator: [Please specify]		[numerical value]		[Unit]		1000 characters left	

Further information

30) Weblink	www.
31) Video link	www.
32) Picture	[upload]

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 98 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty

① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies)

Additional comments

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities

Related indicator: m3 rainwater collected and reused, m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down]

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 99 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 101 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a

Renewable energy production: MWh/a

CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
1000 characters left

Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
1000 characters left

Related indicator:

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 102 de 151

SIGNATURES

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Actions

HOME

Actions

① Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

② For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

1) Type of action



Mitigation
 Adaptation
 Energy poverty

③ Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

[Drop-down]

4) Responsible body

5) Short description

1000 characters left

6) Implementation timeframe

Start: [Drop-Down]
 End: [Drop-Down]

7) Implementation status

[Drop-Down]

8) Stakeholders involved

[Drop-down]

④ For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs

Source of funding: [Drop-down] €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

⑤ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector

[Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

⑥ To be filled in only for the concerned sector

11) Estimated impacts

Energy savings: [] MWh/a
 Renewable energy production: [] MWh/a
 CO₂ reduction: [] t CO₂/a

12) Vulnerable population group(s) targeted

[Drop-down]

④ For multiple choice, insert additional rows as needed

13) Financial savings

[] €

14) Life expectancy of the action

[] years

15) Return on Investment

[] %

16) Jobs created

[] full-time equivalent

17) Other figures

[Please specify] [numerical value] [Unit]

B. Adaptation

⑤ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

[Drop-down]

④ For multiple choice, insert additional rows as needed

19) Sector(s)

[Drop-down]

④ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: [] 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

[Drop-down]

④ For multiple choice, insert additional rows as needed

22) Avoided cost

[] €

23) Life expectancy of the action

[] years

24) Return on Investment

[] %

25) Jobs created

[] full-time equivalent

26) Other figures

[Please specify] [numerical value] [Unit]

C. Energy poverty

⑤ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

[Drop-down]

④ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description: [] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink

[www.]

31) Video link

[www.]

32) Picture

[upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 104 de 151

SIGNATURES

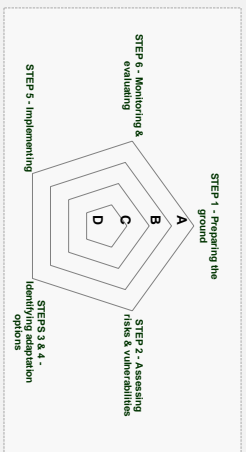
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ANNEX 2 - Adaptation Scoreboard

 HOME

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next signature(s) of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Further progress	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self-check of the Status	Comments
STEP 1 - Preparing the ground for adaptation ➡ STRATEGY	Adaptation commitments delineated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources for carrying out a Risk & Vulnerability Assessment conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change ➡ RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ➡ ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating ➡ INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

500 chars left

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500 chars left

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500 chars left

Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEP 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 105 de 151

SIGNATURES
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ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors		Indicator	Measurement unit	Numerical value
1.1	Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per year / over a certain period)	
1.2	Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT infrastructure damaged by extreme weather conditions/events	(per year / over a certain period)	
1.3	Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4	Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5	Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6	Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.7	Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.8	Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9	Health	Number of water quality warnings issued	No.	
1.10	Health	Number of air quality warnings issued	No.	
1.11	Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12	Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13	Environment & Biodiversity	% change in number of native species	%	
1.14	Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15	Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16	Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17	Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18	Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19	Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20	Agriculture & Forestry	% change in Forest composition	%	
1.21	Agriculture & Forestry	% change in water abstraction	%	
1.22	Tourism	% change in tourist flows / tourism activities	%	
1.23	Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24	Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

Table 2 Adaptive capacity		Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

– Relevant resources

- EUROSTAT Urban Audit – Database
- EEA's Urban Adaptation Map Viewer – Tool
- EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
- Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
- "World Council on City Data" – Open Data Portal
- ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sections of standards are publicly available.
- Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)



SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICADO: el secretari-interventor accidental), 16/01/2023 09:51



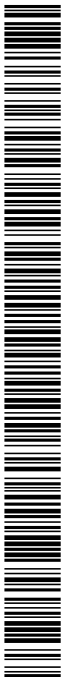
Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Sant Llorenç de la Muga



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Identificador document original: ES_L01081000_2022_20225617
Data d'impressió: 23/02/2023 08:52:02
Pàgina 107 de 151

SIGNATURES
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Strategy

1) Location: from 2020 and beyond

Empty text box for location information.

2) Targets and comments(s)

Table with columns: CO2, 20% (2020), 20% (2020), 20% (2020), 20% (2020). Includes sub-tables for 'Adoption' and 'Programs towards target'.

3) Administrative structure

Form for administrative structure with checkboxes for 'Non-sectorial', 'Multi-sectorial', and 'Multi-departmental'. Includes a comments field.

4) Staff centrally allocated

Table with columns: Type, Migration, Adoption, Plan implementation (Estimated), etc. Includes a comments field.

5) Stakeholder engagement

Table with columns: Type of stakeholders, Stakeholders required, Engagement level, Engagement methods, Engagement purposes.

6) Budget

Table for budget information with columns: Overall budget, Budget period, From, To, etc. Includes a comments field.

7) Monitoring process

Empty text box for monitoring process.



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Data d'impressió: 23/02/2023 08:52:02
Pàgina 108 de 151

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Emission Inventory form with sections for inventory year (2022), population (292), emission factors (IPCC, LCA, National/sub-national), reporting unit (tonnes CO2), and methodological notes.

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not occurring), "NE" (included elsewhere), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [+] buttons on the left to expand or collapse. Hide rows as appropriate to your emission inventory.

FINAL ENERGY CONSUMPTION [MWh] table with columns for Sector, Electricity, District heating and cooling, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels), Biogas, Plant oil, Renewable energies (Biofuel, Other biomass, Solar thermal, Geothermal), and Total.

B. Energy supply

Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Table for Certified green electricity with columns for Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh), Purchases Guarantees of Origin, and Sales Guarantees of Origin.

B2. Local/distributed electricity production (Renewable energy only)

Table for Local/distributed electricity production with columns for Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (MWh/tonnes), CO2 / CO2 eq. emissions (t), and Total.

B3. Local/distributed electricity production

Table for Local/distributed electricity production with columns for Local electricity production plants, Energy carrier input (MWh), and CO2 / CO2 eq. emissions (t).

B4. Local heat/cold production

Table for Local heat/cold production with columns for Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), and CO2 / CO2 eq. emissions (t).

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table for CO2 emission factors with columns for Electricity (National, Local), Heat/cold, Fossil fuels (Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil), Renewable energies (Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal).

C2. Please complete in case non-energy related sectors are included:

Table for non-energy related sectors with columns for Non-energy related sectors, CO2 eq. emissions (t), Activity data (tonnes), and CO2 eq. emissions (t) (incl.).

Emission Inventory Summary

The emission inventory summary table is automatically generated in the online platform (MyCovenant).

Additional comments section with a text input field and a 1000 character limit indicator.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

- Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 110 de 151

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Climate Change Risks and Vulnerabilities

[HOME](#)

Hazard	Sector	Risk Level	Indicator	
<input checked="" type="checkbox"/>	Extreme cold	Buildings	High	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	High	Number of people injured/evacuated/isolated due to extreme weather events(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	High	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	High	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Moderate	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	High	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	High	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Moderate	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Moderate	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	High	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

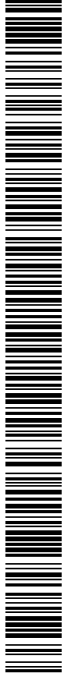
Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 111 de 151

SIGNATURES
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Action Plan

HOME

1) Action plan(s) and other related documents

➤ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Cardena d'Empordà	The document corresponds to the assessment of the actions implemented in the municipality as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	[dd/mm/yy]	Departament de Govern i Govern Local	Integrated climate plan (and Equal to municipality's to Catalan)	Greater than municipality's but Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
		[dd/mm/yy]			Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>

2) Other related documents

➤ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions reduction inventory, Date or CO2 emissions and consumption in each municipality	2016	External consultants	Emission inventory	Greater than municipality's but Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
RE Emission Tracking Inventory	Date or CO2 emissions and consumption in each municipality	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➤ Click on the [v] button on the left to expand or collapse.

List of actions

➤ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➤ Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	7	57,14%	42,86%	0	0	19,98
Buildings from municipal buildings, equipment/facilities.	3					0
Residential buildings	0					874,66
Industry	0					0
Transport	5	20,00%	80,00%	0	0	504,17
Waste	7	71,43%	14,29%	0	0	191,42
Local Electricity Production	4					174,1
Local Heat/Cold Production	2					330,9
Others	2					0
TOTAL	30	100,00%				2095,23

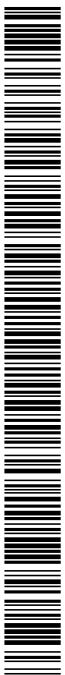
4) Adaptation actions

➤ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0,00%	0,00%		100,00%	
Transport						
Energy	7	14,29%	85,71%			
Water						
Waste						
Land Use, Planning, Agriculture & Forestry	1	0,00%	0,00%		100,00%	
Environment & Biodiversity	1	0,00%	0,00%		100,00%	
Health	2	0,00%	0,00%		100,00%	
Civil Protection & Emergency	3	0,00%	0,00%		100,00%	
Tourism	1	0,00%	0,00%		100,00%	
Education						
ICT (Information & communication technologies)	2	0,00%	0,00%		100,00%	
Other						
TOTAL	19					

Action plan implementation status			
Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
0,00%	0,00%		100,00%

Estimated impacts in 2020, 2030 and/or other horizons			
In Mitigation	from time horizon		BEI (option 1) CO2 reduction
	Renewable energy	Energy savings	
MWh/a	MWh/a	t CO2/a	
19,98	0	281,71	
0	0	0	
874,66	0	1096,39	
0	0	0	
504,17	0	442,37	
191,42	0	457,21	
174,1	655,12	431,74	
330,9	0	124,03	
0	0	463,68	
2095,23	655,12	3297,13	



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 Pàgina 112 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings:	116,16	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	55,87	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Pàgina 113 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
844 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Ints and subsk"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="174.1"/>	MWh/a
Renewable energy production:	<input type="text" value="27.37"/>	MWh/a
CO ₂ reduction:	<input type="text" value="83.74"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 114 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 115 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty

① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action: Collect and reuse rainwater. Deposits in public facilities

3) Origin of the action: Local authority

4) Responsible body: Mayor

5) Short description: Installation of water tanks on roofs, gardens, basements or other municipal spaces to collect water and reuse it in the facilities, for irrigation

6) Implementation timeframe: Start: 2022, End: 2030

7) Implementation status: Not started

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies)

Additional comments:

9) Total implementation costs: 148.700 €

Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings: [Drop-down] MWh/a
 Renewable energy production: [Drop-down] MWh/a
 CO₂ reduction: [Drop-down] t CO₂/a

12) Vulnerable population group(s) targeted: [Drop-down]

13) Financial savings: [Drop-down] €
 14) Life expectancy of the action: [Drop-down] years
 15) Return on Investment: [Drop-down] %
 16) Jobs created: [Drop-down] full-time equivalent
 17) Other figures: [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: Droughts and water scarcity

19) Sector(s): Water

20) Outcome(s) reached

Description: to collect and reuse rainwater in public facilities

Related indicator: m3 rainwater collected and reused, m3

21) Vulnerable population group(s) targeted: All

22) Avoided cost: 772.000 €
 23) Life expectancy of the action: [Drop-down] years
 24) Return on Investment: [Drop-down] %
 25) Jobs created: [Drop-down] full-time equivalent
 26) Other figures: [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: [Drop-down]

28) Outcome(s) reached

Description: [Drop-down]

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink: [Drop-down]

31) Video link: [Drop-down]

32) Picture: [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 116 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 939 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 117 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 118 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture



Actions HOME

Actions

① Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)
 ② For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

- Type of action**
 - Mitigation
 - Adaptation
 - Energy poverty

③ Only in combination with 'Mitigation' and/or 'Adaptation' actions
- Title of the action**
- Origin of the action**
- Responsible body**
- Short description**
1000 characters left
- Implementation timeframe**

Start:

End:
- Implementation status**
- Stakeholders involved** ④ For multiple choice, insert additional rows as needed
- Additional comments**
- Total implementation costs**

Source of funding:	<input type="text" value="[Drop-down]"/>	€
Investment costs:		€
Non-investment costs:		€

A. Mitigation

⑤ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

- Sector**

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

⑥ To be filled in only for the concerned sector
- Estimated impacts**

Energy savings:	<input type="text"/>	MWh/a
Renewable energy production:	<input type="text"/>	MWh/a
CO ₂ reduction:	<input type="text"/>	t CO ₂ /a
- Vulnerable population group(s) targeted** ④ For multiple choice, insert additional rows as needed
- Financial savings**
- Life expectancy of the action**
- Return on Investment**
- Jobs created**
- Other figures**

<input type="text" value="[Please specify]"/>	<input type="text" value="[numerical value]"/>	<input type="text" value="[Unit]"/>
---	--	-------------------------------------

B. Adaptation

⑤ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

- Climate hazard(s) addressed** ④ For multiple choice, insert additional rows as needed
- Sector(s)** ④ For multiple choice, insert additional rows as needed
- Outcome(s) reached**

Description:
1000 characters left

Related indicator:
- Vulnerable population group(s) targeted** ④ For multiple choice, insert additional rows as needed
- Avoided cost**
- Life expectancy of the action**
- Return on Investment**
- Jobs created**
- Other figures**

<input type="text" value="[Please specify]"/>	<input type="text" value="[numerical value]"/>	<input type="text" value="[Unit]"/>
---	--	-------------------------------------

C. Energy poverty

⑤ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

- Vulnerable population group(s) targeted** ④ For multiple choice, insert additional rows as needed
- Outcome(s) reached**

Description:
1000 characters left

Related indicator:

Further information

- Weblink**
- Video link**
- Picture**

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 121 de 151

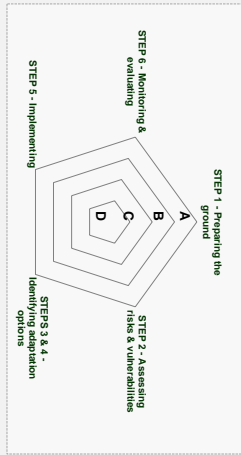
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ANNEX 2 - Adaptation Scoreboard

[HOME](#)

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next signature of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Further progress	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self check of the Status	Comments
STEP 1 - Preparing the ground for adaptation STRATEGY	Adaptation commitments delineated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources (for carrying out a Risk & Vulnerability Assessment) conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed, possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

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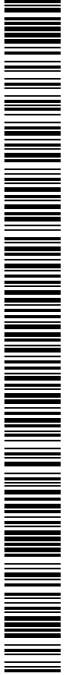
500 chars left

500 chars left

Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEPS 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



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Data d'impressió: 23/02/2023 08:52:02
 Pàgina 122 de 151

ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors	Indicator	Measurement unit	Numerical value
1.1 Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.2 Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT Infrastructure damaged by extreme weather conditions/events	(per/year / over a certain period)	
1.3 Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4 Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5 Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6 Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.7 Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per/year / over a certain period)	
1.8 Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9 Health	Number of water quality warnings issued	No.	
1.10 Health	Number of air quality warnings issued	No.	
1.11 Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12 Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13 Environment & Biodiversity	% change in number of native species	%	
1.14 Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15 Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16 Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17 Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18 Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19 Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20 Agriculture & Forestry	% change in Forest composition	%	
1.21 Agriculture & Forestry	% change in water abstraction	%	
1.22 Tourism	% change in tourist flows / tourism activities	%	
1.23 Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24 Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

Table 2 Adaptive capacity

ID#	Adaptive capacity factor	Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

Relevant resources

- EUROSTAT Urban Audit – Database
- EEA's Urban Adaptation Map Viewer – Tool
- EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
- Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
- "World Council on City Data" – Open Data Portal
- ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sections of standards are publicly available.
- Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)





Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Terrades

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Pàgina 124 de 151

SIGNATURES
1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Strategy

1) Location: from 2020 and beyond

Table with 5 columns: CO2, Unit, 2020, 2025, 2030. Rows for Intensity and Absolute. Includes 'Add in every year as necessary' and 'Only if your local authority has set it as a 2020 objective'.

Table with 5 columns: Goal, Unit, Target year, 2020 objective, 2025 objective. Includes 'Add in every year as necessary' and 'Only if your local authority is committed to adaptation'.

3) Administrative structure
Multi-sectoral - from office of one sectoral department assigned with the municipal administration
Multi-sectoral - several departments assigned at different levels of government (eg. provincial/regional)

Table with 4 columns: Type, Mitigation, Adaptation, Resilience. Rows for Local authority, Other levels of government, External consultant, Other. Includes 'Click on the (x) button on the left to expand or collapse'.

Table with 4 columns: Type of stakeholders, Stakeholders required, Engagement level, Engagement methods, Engagement purposes. Rows for Local authority & staff, Other stakeholders, Stakeholders of government.

Table with 2 columns: Overall budget, Budget spent on the adaptation. Rows for Total (€), Mitigation (%), Adaptation (%).

Table with 2 columns: Local authority's own resources, External sources, Not allocated to any sources. Rows for Public, Private.

7) Monitoring process



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Pàgina 125 de 151

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AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Emission Inventory form with sections: A. Final energy consumption, B. Energy supply, C. CO2 emissions. Includes detailed tables for energy consumption by sector and CO2 emission factors.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Mass movement, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.



Climate Change Risks and Vulnerabilities HOME

<input checked="" type="checkbox"/>	Extreme cold	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Moderate	Number of people injured/evacuated/evacuated due to extreme weather events(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Low	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Low	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Choose from the list above]	[Please choose] [Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments

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 Pàgina 128 de 151

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Action Plan

HOME

1) Action plan(s) and other related documents

➡ Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Girona	The "Contract of Mayor" for Local Sustainable Energy, signed European Commission's first ambitious intention in waste energy chains at the local level	[dd/mm/yy]	Departament de Govern i Govern local	Integrated climate plan (and Equal to municipality's to Catalan)	Greater than municipality's to, Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>
		[dd/mm/yy]					<input type="checkbox"/>

2) Other related documents

➡ Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities, as well as the emissions monitoring inventory, Data on CO2 emissions and consumption in each municipality	2016	External consultants	Emission inventory	Greater than municipality's to, Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reference inventory	Data on CO2 emissions and consumption in each municipality	2021	Departament de Govern	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

➡ Click on the [v] button on the left to expand or collapse.

List of actions

➡ Please specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

➡ Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Municipal buildings, equipment/facilities	7	42.86%	57.14%			
Buildings from municipal buildings, equipment/facilities.	0					
Industrial	13	76.92%	23.08%			
Transport	0					
Waste	6	80.00%	20.00%			
Local Electricity Production	4					
Local Heat/Cold Production	2					
Others	1	100.00%				
TOTAL	38					

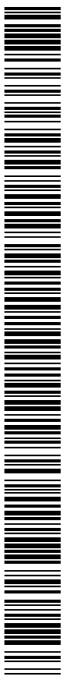
4) Adaptation actions

➡ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Completed (%)	On-going (%)	Postponed (%)	Non-started (%)	MONITORING
Buildings	1	0.00%	0.00%		100.00%	
Transport						
Energy	9	11.11%			88.89%	
Water						
Waste	2	0.00%	0.00%		100.00%	
Land Use, Planning, Agriculture & Forestry	1	0.00%	0.00%		100.00%	
Environment & Biodiversity						
Health	2	0.00%	0.00%		100.00%	
Civil Protection & Emergency	1	0.00%	0.00%		100.00%	
Tourism	1	0.00%	0.00%		100.00%	
Education						
ICT (Information & communication technologies)	2	0.00%	0.00%		100.00%	
Other						
TOTAL	19					

Action plan implementation status			
Completed (%)	On-going (%)	Postponed (%)	Non-started (%)

Estimated impacts in 2020, 2030 and/or other horizons			
In Mitigation	from 2020 horizon		BEI (option 1) CO ₂ e
	Renewable energy	CO ₂ reduction	
Energy savings	MWh/a	MWh/a	1 002/a
	32,32	0	83,52
	0	0	0
	879,11	0	1087,67
	0	0	0
	474,75	0	385,19
	19,78	0	306,54
	167,34	345,77	318,44
	220,13	0	87,19
	0	0	375,42
TOTAL	1793,43	345,77	2843,97



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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 129 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
691 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	shift to walking & c	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	Other	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="129.31"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="62.2"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 130 de 151

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Key Actions

HOME

Key actions

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1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
844 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Ints and subsk"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings:	<input type="text" value="167,34"/>	MWh/a
Renewable energy production:	<input type="text" value="0"/>	MWh/a
CO ₂ reduction:	<input type="text" value="80,49"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 131 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 872 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Ints and subsk"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts

Energy savings:	<input type="text" value="0"/>	MWh/a
Renewable energy production:	<input type="text" value="289.57"/>	MWh/a
CO ₂ reduction:	<input type="text" value="139.28"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 132 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €

Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:

Related indicator: [numerical value]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 133 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 134 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 135 de 151

SIGNATURES

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
620 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: [Drop-down] €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	
Policy instrument:	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	<input type="text" value=""/> [drop-down]	

11) Estimated impacts

Energy savings: MWh/a

Renewable energy production: MWh/a

CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted [Drop-down]

13) Financial savings €

14) Life expectancy of the action years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached

Description:
1000 characters left

Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted All

28) Outcome(s) reached

Description:
1000 characters left

Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 136 de 151

SIGNATURES

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Actions

HOME

Actions

① Copy as many "action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

② For the actions your local authority considered as "key actions" - fill in the dedicated "key action" tab.

1) Type of action

 Mitigation
 Adaptation
 Energy poverty

Mitigation
 Adaptation
 Energy poverty

③ Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

 [Drop-down]

4) Responsible body

5) Short description

1000 characters left

6) Implementation timeframe

Start: [Drop-Down]
 End: [Drop-Down]

7) Implementation status

 [Drop-Down]

8) Stakeholders involved

 [Drop-down]

④ For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs

Source of funding:	<input type="text"/> [Drop-down]	€
Investment costs:	<input type="text"/>	€
Non-investment costs:	<input type="text"/>	€

A. Mitigation

⑤ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector

 [Drop-down]

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]
Policy instrument:	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]	<input type="text"/> [drop-down]

⑥ To be filled in only for the concerned sector

11) Estimated impacts

Energy savings:	<input type="text"/>	MWh/a
Renewable energy production:	<input type="text"/>	MWh/a
CO ₂ reduction:	<input type="text"/>	t CO ₂ /a

12) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

13) Financial savings

 €

14) Life expectancy of the action

 years

15) Return on Investment

 %

16) Jobs created

 full-time equivalent

17) Other figures

<input type="text"/> [Please specify]	<input type="text"/> [numerical value]	<input type="text"/> [Unit]
---------------------------------------	--	-----------------------------

B. Adaptation

⑤ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

 [Drop-down]

④ For multiple choice, insert additional rows as needed

19) Sector(s)

 [Drop-down]

④ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

1000 characters left

21) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

22) Avoided cost

 €

23) Life expectancy of the action

 years

24) Return on Investment

 %

25) Jobs created

 full-time equivalent

26) Other figures

<input type="text"/> [Please specify]	<input type="text"/> [numerical value]	<input type="text"/> [Unit]
---------------------------------------	--	-----------------------------

C. Energy poverty

⑤ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

 [Drop-down]

④ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description:

Related indicator: [Please specify] [numerical value] [Unit]

1000 characters left

Further information

30) Weblink

 www.

31) Video link

 www.

32) Picture

 [upload]

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origin: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 138 de 151

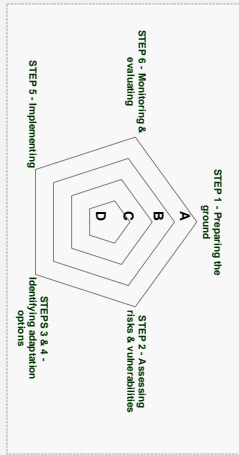
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ANNEX 2 - Adaptation Scoreboard

[HOME](#)

(D) Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next priorities of possible improvements through comments entered in column I (optional). The average status for every step is then visualised through the (automatically computed) spider graph below as well as in the 'Synthesis Report' tab.

Status Scale	Status	Indicative Completion Level
D	Not started or getting started	0-25 %
C	Moving forward	25-50 %
B	Progressing rapidly	50-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self-check of the Status	Comments
STEP 1 - Preparing the ground for adaptation ➔ STRATEGY	Adaptation commitments delineated into the local climate policy Human, technical and financial resources identified Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned Horizontal (i.e. across sectorial departments) coordination mechanisms in place Vertical (i.e. across governance levels) coordination mechanisms in place Consultative and participatory mechanisms set up Fostering the multi-stakeholder engagement in the adaptation process Continuous communication process in place (for the engagement of the different target audiences) Mapping of the possible methods & data sources (for carrying out a Risk & Vulnerability Assessment) conducted Assessment(s) of climate risks & vulnerabilities undertaken Possible sectors of action identified and prioritised Available knowledge periodically reviewed and new findings integrated		
STEP 2 - Assessing risks & vulnerabilities to climate change ➔ RISKS & VULNERABILITIES	Full portfolio of adaptation options compiled, documented and assessed Possibilities of mainstreaming adaptation in existing policies and plans assessed Possible synergies and conflicts (e.g. with mitigation actions) identified Adaptation Actions developed and adopted (as part of the SECAP and/or other planning documents) Implementation framework set, with clear milestones Adaptation actions implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents Coordinated action between mitigation and adaptation set		
STEP 5 - Implementing ➔ ACTIONS	Monitoring framework in place for adaptation actions Appropriate M&E indicators identified		
STEP 6 - Monitoring and evaluating ➔ INDICATORS	Progress regularly monitored and reported to the relevant decision-makers Adaptation strategy and/or Action Plan updated, revised and readjusted according to the findings of the M&E procedure		

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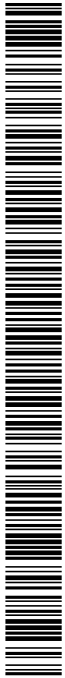
500 chars left

500 chars left

Summary table:

The score obtained for each step is summarised in the table below (based on the information entered by the user in the above table > A: 4 points, B: 3 points, C: 2 points, D: 1 point). The spider graph at the top is automatically generated, making the results more visual.

Adaptation Steps	Your Average Score
STEP 1 - Preparing the ground	0
STEP 2 - Assessing risks & vulnerabilities	0
STEP 3 & 4 - Identifying adaptation options	0
STEP 5 - Implementing	0
STEP 6 - Monitoring & evaluating	0



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 139 de 151

SIGNATURES
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ANNEX 3 - Indicators for Adaptation

[HOME](#)

Below is a non-exhaustive list of indicators which may be used to complement the risks and vulnerability assessment. This is optional; the indicators below are illustrative examples and serve as a source of inspiration only. Please select any indicators that your local authority is using to measure progress and complete the list with your own indicators - simply add/delete the rows according to your needs.

Table 1 Vulnerable sectors		Indicator	Measurement unit	Numerical value
1.1	Buildings	Number of % of (public/residential/ventilary) buildings damaged by extreme weather conditions/events	(per year / over a certain period)	
1.2	Transport, Energy, Water, Waste, ICT	Number of % of transport/energy/water/waste/ICT infrastructure damaged by extreme weather conditions/events	(per year / over a certain period)	
1.3	Land Use Planning	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls and/or Landslides, Forest/Land Fire)	%	
1.4	Transport, Energy, Water, Waste, Civil Protection & Emergency	Number of days with public service interruptions (e.g. energy/water supply, health/civil protection/emergency services, waste)	No.	
1.5	Transport, Energy, Water, Waste, Civil Protection & Emergency	Average length (in hours) of the public service interruptions (e.g. energy/water supply, public transport traffic, health/civil protection/emergency services)	hours	
1.6	Health	Number of people injured/evacuated/relocated due to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.7	Health	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)	(per year / over a certain period)	
1.8	Civil Protection & Emergency	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather events	min.	
1.9	Health	Number of water quality warnings issued	No.	
1.10	Health	Number of air quality warnings issued	No.	
1.11	Environment & Biodiversity	% of areas affected by soil erosion / soil quality degradation	%	
1.12	Environment & Biodiversity	% of habitat losses from extreme weather event(s)	%	
1.13	Environment & Biodiversity	% change in number of native species	%	
1.14	Environment & Biodiversity	% of native (animal/plant) species affected by diseases related to extreme weather conditions/events	%	
1.15	Agriculture & Forestry	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)	%	
1.16	Agriculture & Forestry	% of livestock losses from extreme weather conditions	%	
1.17	Agriculture & Forestry	% change in crop yield / evolution of the annual grassland productivity	%	
1.18	Agriculture & Forestry	% of livestock losses from pests/pathogens	%	
1.19	Agriculture & Forestry	% of timber losses from pests/pathogens	%	
1.20	Agriculture & Forestry	% change in Forest composition	%	
1.21	Agriculture & Forestry	% change in water abstraction	%	
1.22	Tourism	% change in tourist flows / tourism activities	%	
1.23	Other	€ annual direct economic losses (e.g. in commercial/agricultural/industrial/touristic sectors) due to extreme weather event(s)	€/year	
1.24	Other	€ annual amount of compensation received (e.g. insurance)	€/year	

① Add as many rows as necessary.

Table 2 Adaptive capacity

ID#	Adaptive capacity factor	Indicator	Measurement unit	Numerical value
2.1	Socio-economic	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwave, etc)	%	
2.2	Socio-economic	% share of vulnerable population groups (e.g. elderly (65+), young (25-) people, lonely, pensioner households, low-income/unemployed households, migrants and displaced people) - compared to national average in year X in country X	%	
2.3	Socio-economic	Number of households educated in house energy/water/waste management	No.	
2.4	Socio-economic	Population density (compared to national/regional average in year X in country/region X)	People per km ²	
2.5	Socio-economic	% of population living in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.6	Governmental & institutional	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)	%	
2.7	Physical & environmental	Length of transport network (e.g. road/trail) located in areas at risk (e.g. flood/drought/heat wave/forest or land fire)	Km	
2.8	Physical & environmental	Average time needed to reach a health facility	Hours	
2.9	Physical & environmental	% of areas non-accessible for emergency responses (e.g. firefighting services)	%	
2.10	Physical & environmental	% of (e.g. residential/commercial/agricultural/industrial/touristic) areas at risk (e.g. flood/drought/heat wave/forest or land fire)	%	
2.11	Knowledge & technology	Hours needed to inform population of a risk via an early warning system	hours	

① Add as many rows as necessary.

– Relevant resources

- EUROSTAT Urban Audit – Database
- EEA's Urban Adaptation Map Viewer – Tool
- EEA's Map book urban vulnerability to climate change – Factsheets (July 2016)
- Urban Vulnerability Indicators – Technical Report (ETC-CCA & ETC-SIA, 2012)
- "World Council on City Data" – Open Data Portal
- ISO 37120 Sustainable Development of Communities: Indicators for City Services and Quality of Life (ISO May 2014) - Note: only informative sections of standards are publicly available.
- Planning for Adaptation to Climate Change – Guidance Document (ACT Life project, 2013)





Covenant of Mayors - Europe SECAP template | Working document

The present template is a working document only. The official reporting to the Covenant of Mayors initiative shall be done using the online platform "MyCovenant".



Do not use this file for official submission

SECAP template de Vilanant

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Origen: Administració
Identificador document original: ES_L01081000_2022_20225617
Data d'impressió: 23/02/2023 08:52:02
Pàgina 141 de 151

SIGNATURES
1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Emission Inventory Vilanant
Emission Inventory
1) Inventory year: 2019
2) Population in the inventory year: 392
3) Emission factors: IPCC (Intergovernmental Panel on Climate Change), LCA (Life Cycle Assessment), National/sub-national
4) Emission reporting unit: tonnes CO2, tonnes CO2 equivalent
5) Methodological note

A. Final energy consumption

Please note that for separating decimals dot (.) is used. No thousand separators are allowed.
Please note that the following notation keys can be used in the table below: "ND" (not occurring), "NE" (included elsewhere), "NE" (not estimated) and "C" (confidential). More information in the Reporting Guidelines.
Click on the [+] buttons on the left to expand or collapse. Hide rows as appropriate to your emission inventory.

Table with columns: Sector, Electricity, District heating and cooling, Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil fuels, Biogas, Plant oil, Biofuel, Other biomass, Solar thermal, Geothermal, Total. Rows include BUILDINGS, TRANSPORT, and OTHER.

B. Energy supply

Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Table with columns: Certified green electricity, Renewable electricity (MWh), CO2 / CO2 eq. Emission factor (t/MWh). Rows: Purchases Guarantees of Origin, Sales Guarantees of Origin.

B2. Local/distributed electricity production (Renewable energy only)

Table with columns: Local renewable electricity plants, Renewable electricity produced (MWh), Emission factor (MWh/t), CO2 / CO2 eq. emissions (t). Rows: Wind, Hydroelectric, Photovoltaics, Geothermal, Other.

B3. Local/distributed electricity production

Table with columns: Local electricity production plants, Electricity produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t). Rows: Combined Heat and Power, Other (ETS and large-scale plants > 20 MW not recommended).

B4. Local heat/cold production

Table with columns: Local heat/cold production plants, Heat/cold produced (MWh), Energy carrier input (MWh), CO2 / CO2 eq. emissions (t). Rows: Combined Heat and Power, District heating (heat-only), Other.

C. CO2 emissions

C1. Please insert the CO2 emission factors adopted (t/MWh):

Table with columns: Electricity, Local, Heat/cold, Fossil fuels, Renewable energies. Rows: National, Local, Natural gas, Liquid gas, Heating oil, Diesel, Gasoline, Lignite, Coal, Other fossil, Biogas, Biofuel, Plant oil, Other biomass, Solar thermal, Geothermal.

C2. Please complete in case non-energy related sectors are included:

Table with columns: Non-energy related sectors, CO2 eq. emissions (t), Activity data (t/ton). Rows: Wastewater treatment, Solid waste disposal, Biological Treatment of Solid Waste, Incineration and Open Burning of Waste, Other, Wastewater treatment not prescribed, Other non-energy related sectors and further processes.

Emission Inventory Summary
The emission inventory summary table is automatically generated in the online platform (My Covenant).

Additional comments

Additional comments text area.

AJUNTAMENT DE PONT DE MOLINS
Aquest document és una còpia autèntica del document electrònic original. Comprovi l'autenticitat del document a https://pontdemolins.emunicipis.ddgi.cat/OAC/ValidarDoc.jsp - Utilitzi el 'Cod Segur de Verificació' que apareix a la capçalera.

Climate Change Risks and Vulnerabilities

HOME

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and prefilled depending on previously made selections. While content in this file and in MyCovenant is the same, the method of completion of the RVA will slightly differ.

Underlined words are defined; definitions are visible upon clicking the respective cell. Definitions of climate hazards, sectors, adaptive capacity factors are provided in the reporting guidelines.
To choose option(s) from a predefined list, copy and paste the relevant option(s). 'Single choice' indicates only one option is possible; 'multiple choice' indicates more than one options are possible.

Table 1) Climate hazards

Table with 6 columns: Climate hazards, Probability of hazard, Impact of hazard, Expected change in hazard intensity, Expected change in hazard frequency, Timeframe(s). Rows include Extreme heat, Extreme cold, Heavy precipitation, Floods & sea level rise, Droughts & water scarcity, Storms, Wild fires, Chemical change, Biological hazards, and Other.

Table 2) Vulnerable sectors

Table with 4 columns: Climate hazards, Relevant vulnerable sector(s), Current vulnerability level, Indicator. Rows show Extreme heat linked to Buildings, Health, Energy, Land use planning, Transport, Environment & biodiversity, and Tourism.

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 Pàgina 143 de 151

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 1.- Xavier López Cumbrü (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Climate Change Risks and Vulnerabilities HOME

<input checked="" type="checkbox"/>	Extreme cold	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input checked="" type="checkbox"/>	Extreme cold	Health	Low	Number of people injured/evacuated/located due to extreme weather event(s) (e.g. heat or cold waves)
<input checked="" type="checkbox"/>	Heavy precipitation	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Heavy precipitation	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Heavy precipitation	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Floods & sea level rise	Land use planning	Moderate	% of grey/blue/green areas affected by extreme weather conditions/events (e.g. Heat Island Effect, Flood, Rockfalls)
<input checked="" type="checkbox"/>	Floods & sea level rise	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input checked="" type="checkbox"/>	Floods & sea level rise	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Water	Low	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Droughts & water scarcity	Tourism	Low	% change in tourist flows / tourism activities
<input checked="" type="checkbox"/>	Droughts & water scarcity	Environment & biodiversity	Low	% of areas affected by soil erosion / soil quality degradation
<input type="checkbox"/>	Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input checked="" type="checkbox"/>	Wild fires	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)
<input checked="" type="checkbox"/>	Wild fires	Civil protection & emergency	Moderate	Average response time (in min.) for police/fire-fighters/emergency services in case of extreme weather
<input type="checkbox"/>	Other	[please specify]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 1 (optional)

Table 3) Adaptive capacity

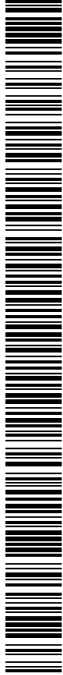
Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator	
Ⓛ Step 6) Mark with a tick box the sectors which have been identified in Table 2 above, in respect of all climate hazards (in the online template, the list of sectors will be generated/displayed automatically. The online template will also generate automatically the hazards relevant to each sector as in Table 2; there is no need to fill in this information below). >>> Step 7) Choose (i.e. copy-paste) the relevant adaptive capacity factors from the list. When more than one adaptive factor is relevant, add separate rows for each factor and indicate the level of adaptive capacity against each factor.					
	Ⓛ Column not to be filled in	Multiple choice: Access to services Socio-economic Governmental & institutional Physical & environmental Knowledge & innovation	Single choice: Low Moderate High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.	
<input type="checkbox"/>	Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Transport	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Waste	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Land use planning	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Agriculture & forestry	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Environment & biodiversity	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Health	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Civil protection & emergency	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/>	ICT (Information & communication technologies)	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]

Ⓛ Specify your indicators in Annex 3, Table 2 (optional)

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)	
Ⓛ Step 8) Mark again with a tick box the same hazards selected in Table 1 above (in the online template, these hazards will be generated/displayed automatically). Ignore the rest of the hazards. >>> Step 9) Choose (i.e. copy-paste) the most vulnerable population groups from the list. When more than one group is relevant, add in the same cell and separate with a comma.		
	Multiple choice: Women and girls Children Youth Elderly Marginalized groups Persons with disabilities Persons with chronic diseases Low-income households Unemployed persons Persons living in sub-standard housing Migrants and displaced people Other All listed population groups Not known	
<input type="checkbox"/>	Extreme heat	[Choose from the list above]
<input type="checkbox"/>	Extreme cold	[Choose from the list above]
<input type="checkbox"/>	Heavy precipitation	[Choose from the list above]
<input type="checkbox"/>	Floods & sea level rise	[Choose from the list above]
<input type="checkbox"/>	Droughts & water scarcity	[Choose from the list above]
<input type="checkbox"/>	Storms	[Choose from the list above]
<input type="checkbox"/>	Mass movement	[Choose from the list above]
<input type="checkbox"/>	Wild fires	[Choose from the list above]
<input type="checkbox"/>	Other	[please specify]

Additional comments



Action Plan

HOME

1) Action plan(s) and other related documents

1) Action plan(s)
 Add as many rows as necessary. Minimum 1 action plan document

Title	Short description	Date of formal approval	Decision body approving the plan	Nature of the document	Scope / Boundary	Language	Published?
Sustainable Energy and Climate Action Plan (PACES) Cardener d'Empordà	The Content of Report for Local Sustainable Energy - since European Commission's first ambitious intention in 2018 climate change at the local level	[dd/mm/yy]	Depart de Ciències i Innovació	Integrated climate plan (ad Equal to municipality's to Catalan)	Greater than municipality's to, Equal to municipality's board Emissions inventory	Catalan	<input checked="" type="checkbox"/>

2) Other related documents

Add as many rows as necessary.

Title	Short description	Date	Author(s)	Nature of the document	Scope / Boundary	Method & Sources	Language	Published?
SEAP monitoring report for all study municipalities	This report corresponds to the assessment of the actions implemented in the municipalities as well as the emissions monitoring inventory.	2016	External consultants	Emission inventory	Greater than municipality's to, Equal to municipality's board Emissions inventory	Date of the municipalities and the activation	Catalan	<input checked="" type="checkbox"/>
REC emissions reference inventory	Date or CO2 emissions and consumption in each municipality	2021	Depart de Ciències i Innovació	Emission inventory	Equal to municipality's board Emissions inventory		Catalan	<input checked="" type="checkbox"/>

Click on the (+/-) button on the left to expand or collapse.

List of actions

Press as specify the total number of (mitigation and adaptation) actions planned per sector. For mitigation actions, estimate their impacts in your plan's time horizon (2020, 2030 and/or other).

3) Mitigation actions

Only if your local authority is committed to mitigation.

Mitigation sectors	Number of actions included in the plan
Municipal buildings, equipment/facilities	14
Buildings from municipal buildings, equipment/facilities.	0
Industrial	4
Transport	0
Waste	8
Local Electricity Production	7
Local Heat/Cold Production	5
Others	2
TOTAL	47

4) Adaptation actions

Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan
Buildings	1
Transport	0
Energy	9
Water	0
Waste	2
Land Use, Planning, Agriculture & Forestry	1
Environment & Biodiversity	2
Health	2
Civil Protection & Emergency	2
Tourism	1
Education	0
ICT (Information & communication technologies)	2
TOTAL	20

Action plan implementation status

Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
71.43%	0.00%	0.00%	28.57%
50.00%	0.00%	0.00%	50.00%
37.50%	14.29%	0.00%	62.50%
71.43%	0.00%	0.00%	14.29%
100.00%	0.00%	0.00%	100.00%

Estimated impacts in 2020, 2030 and/or other horizons

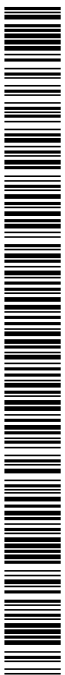
In Mitigation	from time horizon		BEI (option 1) CO ₂ reduction
	Renewable energy MWh/a	CO ₂ reduction t CO ₂ /a	
MWh/a	29.92	0	82.266
	0	0	0
	537.33	0	265.584
	0	0	0
	688.18	0	608.6
	232.49	0	252.44
	0	424.76	324.67
	286.91	0	111.85
	0	0	102.15
TOTAL	1774.83	424.76	1747.56

Action plan implementation status

Completed (%)	On-going (%)	Postponed (%)	Non-started (%)
0.00%	0.00%	0.00%	100.00%
11.11%	0.00%	0.00%	88.89%
0.00%	0.00%	0.00%	100.00%
0.00%	0.00%	0.00%	100.00%
0.00%	0.00%	0.00%	100.00%
0.00%	0.00%	0.00%	100.00%
0.00%	0.00%	0.00%	100.00%

MONITORING

MONITORING



Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
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 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 145 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action Promoting sustainable mobility in urban commuting

3) Origin of the action Local authority

4) Responsible body Mayor

5) Short description
 and raise awareness by reducing the avoidable traffic of motor vehicles through the interior of the municipality and at the same time me
 691 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status Not started

8) Stakeholders involved Citizens ② Insert additional rows as needed

Additional comments

9) Total implementation costs 700.000 €
 Source of funding: [Drop-down] €
 Investment costs: [Drop-down] €
 Non-investment costs: [Drop-down] €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector Transport

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	[drop-down]	[drop-down]	shift to walking & c	[drop-down]	[drop-down]	[drop-down]	[drop-down]	
Policy instrument:	[drop-down]	[drop-down]	Other	[drop-down]	[drop-down]	[drop-down]	[drop-down]	

11) Estimated impacts

Energy savings:	147,91	MWh/a
Renewable energy production:	0	MWh/a
CO ₂ reduction:	70,91	t CO ₂ /a

12) Vulnerable population group(s) targeted All

13) Financial savings €

14) Life expectancy of the action 10 years

15) Return on Investment %

16) Jobs created full-time equivalent

17) Other figures [Please specify] [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed [Drop-down]

19) Sector(s) [Drop-down]

20) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

21) Vulnerable population group(s) targeted [Drop-down]

22) Avoided cost €

23) Life expectancy of the action years

24) Return on Investment %

25) Jobs created full-time equivalent

26) Other figures [Please specify] [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted [Drop-down]

28) Outcome(s) reached
 Description: [Drop-down] 1000 characters left
 Related indicator: [Please specify] [numerical value] [Unit]

Further information

30) Weblink www.

31) Video link www.

32) Picture [upload]

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 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 146 de 151

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1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICADO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
853 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Photovoltaics"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 147 de 151

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Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation
 Adaptation
 Energy poverty ① Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description
894 characters left

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Waste & wastewater management"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="Other"/>

11) Estimated impacts
 Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached
 Description:
 Related indicator: [numerical value] [Unit] 1000 characters left

Further information

30) Weblink

31) Video link

32) Picture

Codi Segur de Verificació: e79a3b79-2e9d-4984-8393-f099b90deee4
 Origen: Administració
 Identificador document original: ES_L01081000_2022_20225617
 Data d'impressió: 23/02/2023 08:52:02
 Pàgina 148 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action

Mitigation
 Adaptation
 Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description

6) Implementation timeframe
 Start:
 End:

7) Implementation status

8) Stakeholders involved ② Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	① To be filled in only for the concerned sector
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description:

Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description:

Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 149 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 781 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 939 characters left
 Related indicator: [numerical value] [Unit]

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

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 Pàgina 150 de 151

SIGNATURES

1.- Xavier López Cumbriu (SIG) (Aprovat pel Ple, per unanimitat, en sessió ordinària de data 12.01.2023. CERTIFICO: el secretari-interventor accidental), 16/01/2023 09:51

Key Actions

HOME

Key actions

① Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action Mitigation Adaptation Energy poverty ① Only in combination with 'Mitigation' and/or 'Adaptation' actions

2) Title of the action

3) Origin of the action

4) Responsible body

5) Short description 613 characters left

6) Implementation timeframe Start: End:

7) Implementation status

8) Stakeholders involved ① Insert additional rows as needed

Additional comments

9) Total implementation costs €
 Source of funding: €
 Investment costs: €
 Non-investment costs: €

A. Mitigation

① Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector ① To be filled in only for the concerned sector

	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Tool / Area of intervention:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>
Policy instrument:	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

11) Estimated impacts

Energy savings: MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted

13) Financial savings €
 14) Life expectancy of the action years
 15) Return on Investment %
 16) Jobs created full-time equivalent
 17) Other figures [numerical value] [Unit]

B. Adaptation

① Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed

19) Sector(s)

20) Outcome(s) reached

Description: 961 characters left
 Related indicator:

21) Vulnerable population group(s) targeted

22) Avoided cost €
 23) Life expectancy of the action years
 24) Return on Investment %
 25) Jobs created full-time equivalent
 26) Other figures [numerical value] [Unit]

C. Energy poverty

① Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted

28) Outcome(s) reached

Description: 1000 characters left
 Related indicator: [numerical value] [Unit]

Further information

30) Weblink

31) Video link

32) Picture

Key Actions

HOME

Key actions

Copy as many "Key action" tabs as necessary (minimum 3 mitigation actions and 3 adaptation actions)

1) Type of action (Mitigation, Adaptation, Energy poverty)
2) Title of the action (Create an itinerant energy advice point)
3) Origin of the action (Local authority)
4) Responsible body (Mayor)
5) Short description (advice point that will provide information on energy and water at home, aimed at all citizens...)
6) Implementation timeframe (Start: 2022, End: 2030)
7) Implementation status (Not started)
8) Stakeholders involved (Citizens)
9) Total implementation costs (60,000 €)

A. Mitigation

Only for actions addressing mitigation. Click on the +/- buttons on the left to expand or collapse

10) Sector (Buildings, Public lighting, Transport, Industry, Electricity Production, Heat/cold Production, Other)
11) Estimated impacts (Energy savings, Renewable energy production, CO2 reduction)
12) Vulnerable population group(s) targeted
13) Financial savings
14) Life expectancy of the action
15) Return on Investment
16) Jobs created
17) Other figures

B. Adaptation

Only for actions addressing adaptation. Click on the +/- buttons on the left to expand or collapse

18) Climate hazard(s) addressed
19) Sector(s)
20) Outcome(s) reached
21) Vulnerable population group(s) targeted
22) Avoided cost
23) Life expectancy of the action
24) Return on Investment
25) Jobs created
26) Other figures

C. Energy poverty

Only for actions addressing energy poverty. Click on the +/- buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted (All)
28) Outcome(s) reached

Further information

30) Weblink
31) Video link
32) Picture