

Strategy

1) Long-term vision (e.g. 2050 and beyond)

1000 chars left

2) Target(s) and commitment(s)

Mitigation						Population estimates in target year
SDG / GHG target	Unit	Target Year	Base Year	Reduction Type		
Aquesta fila només si tenien PAES	20%	%	2029	2005	absolute	
	55%	%	2030	2005	absolute	
			2050	[drop-down]	[drop-down]	

Only if your local authority has set up a 2030 objective.
 Only if your local authority has set up a 2030 objective.
 Add as many rows as necessary.

Adaptation				
Goal	Unit (% or other)	Target year	Base Year	Progress towards target
En anglès: Incrementar la resiliència	%	2030	2005	
		[drop-down]	[drop-down]	

Only if your local authority is committed to adaptation. If Add as many rows as necessary.

3) Administrative structure

Type of administrative structure	
<input type="checkbox"/> Mono-sectorial - (one officer of) one sectoral department assigned within the municipal administration	
<input type="checkbox"/> Multi-sectorial - several departments assigned within the municipal administration	
<input checked="" type="checkbox"/> Multi-level - several departments assigned at different level(s) of governance (e.g. provincial/regional)	

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

1000 chars left

4) Staff capacity allocated

Type	Plan preparation			Plan implementation		
	Mitigation	Adaptation	(Estimated) full-time equivalent jobs	Mitigation	Adaptation	(Estimated) full-time equivalent jobs
Local authority	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Other level(s) of governance (e.g. Council coordinator or supporter)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
External consultant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
Total			0			0

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

1000 chars left

5) Stakeholder engagement

Type of stakeholders	Stakeholders engaged	Engagement level	Engagement method(s)	Engagement purpose
Local authority's staff	<input checked="" type="checkbox"/>	[drop-down]	Survey - Workshop - Focus group - Citizen jury - Other (specify)	Information - Consultation - Advice - Co-production - Co-decision - Implementation
External stakeholders at local level	<input checked="" type="checkbox"/>	[drop-down]	Survey - Workshop - Focus group - Citizen jury - Other (specify)	Information - Consultation - Advice - Co-production - Co-decision - Implementation
Stakeholders at other levels of governance	<input type="checkbox"/>	[drop-down]	Survey - Workshop - Focus group - Citizen jury - Other (specify)	Information - Consultation - Advice - Co-production - Co-decision - Implementation

Select x for the ones that are applicable.

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

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6) Budget

Overall budget foreseen for plan implementation		Budget spent so far	
Total (€)	Mitigation (%)	Total (€)	Mitigation (%)
	Adaptation (%)		Adaptation (%)

% to be reported only for signatories also committed to adaptation.
 depending on signatories' selected time horizon (2020/2029)

Financing sources		Share (in % of overall budget)
Local Authority's own resources	<input checked="" type="checkbox"/>	
External sources		
> Public	<input checked="" type="checkbox"/>	
> Private	<input type="checkbox"/>	
Not allocated to any sources		

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

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7) Monitoring process

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Emission Inventory

Emission Inventory

- To be filled in only if your local authority is committed to mitigation.
- Copy as many "emission inventory" tabs as necessary. Minimum 1 "baseline emission inventory" (BE) at the 1st reporting stage, minimum 1 "monitoring emission inventory" (ME) every 4 years.

1) Inventory year: 2019 2005 o 2019 segons terren PAES o no

2) Population in the inventory year: 19550 habitants 2005 o 2019

3) Emission factors:

- IPCC (Intergovernmental Panel on Climate Change)
- LCA (Life Cycle Assessment)
- National/sub-national Specify: Source:

4) Emission reporting unit:

- tonnes CO₂
- tonnes CO₂ equivalent

5) Methodological note: 1000 charts

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.

Sector	Electricity	District heating and cooling	Fossil fuels								Renewable energies					Total
			Natural gas	Liquid gas	Heating oil	Diesel	Gasoline	Lignite	Coal	Other fossil fuels	Biogas	Plant oil	Biofuel	Other biomass	Solar thermal	
BUILDINGS, EQUIPMENT/FACILITIES AND INDUSTRIES																
Manufacturing industries and construction	3 782.39	0.00	0.00	0.00	0.00	152.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3 934.56
Municipal buildings, equipment/facilities	972.38	NE	NE	NE	NE	152.17	NE	NE	NE	NE	NE	NE	NE	NE	NE	1 124.55
Public buildings	2 810.01	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	2 810.01
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Tariffs from municipal buildings, equipment/facilities	48 614.44	0.00	2 948.22	6 650.27	0.00	9 868.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18 311.53
Institutional buildings	48 614.44	NE	2 948.22	6 650.27	NE	9 868.60	NE	NE	NE	NE	NE	NE	NE	NE	NE	68 081.53
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Residential buildings	49 553.12	NE	17 187.24	19 924.08	NE	2 280.08	NE	NE	NE	NE	NE	NE	NE	NE	NE	133 744.22
Industry	888.61	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	888.61
Non-ETS	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
ETS	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Buildings, equipment/facilities and industries not allocated	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Subtotal	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	161 847.22
TRANSPORT																
Manufacturing industries	0.00	0.00	0.00	0.00	0.00	1 200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1 200.00
Road	NE	NE	NE	NE	NE	1 200.00	NE	NE	NE	NE	NE	NE	NE	NE	NE	1 200.00
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Public transport	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Road	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Rail	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Local and domestic waterways	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Private and commercial transport	85.36	0.00	0.00	122.36	0.00	239 857.81	27 264.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	267 330.02
Road	85.36	NE	NE	122.36	NE	239 857.81	27 264.69	NE	NE	NE	NE	NE	NE	NE	NE	267 330.02
Rail	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Local and domestic waterways	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Local aviation	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Transport not allocated	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Subtotal	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	268 530.02
OTHER																
Agriculture, Forestry, Fisheries	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Other not allocated	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.00
Subtotal	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	0.00
TOTAL	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	#VALOR!	430 377.24

B. Energy supply

- Hide sections or rows as appropriate to your emission inventory.

B1. Certified green electricity

Certified green electricity	Renewable electricity [MWh]	CO ₂ / CO ₂ -eq. Emission factor [t/MWh]
Purchases/Guarantees of Origin (within the municipality boundaries)	3 782.40	
Sales/Guarantees of Origin (within the municipality boundaries)	NE	

B2. Local/distributed electricity production (Renewable energy only) *Només els que tenen connectats a xarxa, el que està buidat a l'apartat Producció local d'energia del PAESC*

Local renewable electricity plants	Renewable electricity produced [MWh]	Emission factor [t/MWh]	CO ₂ / CO ₂ -eq. emissions [t]
Wind	NE	#VALOR!	
Hydroelectric	NE	#VALOR!	
Photovoltaics	86.94	0.00	
Geothermal	NE	#VALOR!	
Other	NE	#VALOR!	
TOTAL	86.94		

B3. Local/distributed electricity production

Local electricity production plants	Electricity produced [MWh]		Energy carrier input [MWh]										CO ₂ / CO ₂ -eq. emissions [t]		
	from renewable sources	from non-renewable sources	Natural gas	Liquid gas	Heating oil	Lignite	Coal	Waste	Plant oil	Other biomass	Biogas	Other renewable	Other	Fossil sources	Renewable sources
Combined Heat and Power	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Other (ETS and large-scale plants > 20 MW not recommended)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

B4. Local heat/cold production

Local heat/cold production plants	Heat/cold produced [MWh]		Energy carrier input [MWh]										CO ₂ / CO ₂ -eq. emissions [t]		
	from renewable sources	from non-renewable sources	Natural gas	Liquid gas	Heating oil	Lignite	Coal	Waste	Plant oil	Other biomass	Biogas	Other renewable	Other	Fossil sources	Renewable sources
Combined Heat and Power	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
District heating (heat-only)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Other	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C. CO₂ emissions

C1. Please insert the CO₂ emission factors adopted [t/MWh]:

Entrar els factors que fem servir, seran els mateixos per tots excepte el factor d'emissió local

Click here to visualize fuel emission factors

Electricity	National	Local	Heat/cold	Fossil fuels								Renewable energies					
				Natural gas	Liquid gas	Heating oil	Diesel	Gasoline	Lignite	Coal	Other fossil	Biogas	Biofuel	Plant oil	Other biomass	Solar thermal	Geothermal
	0.48	0.47		0.20	0.23		0.27	0.25									

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

- Click on the "+" buttons on the left to expand or collapse.

Non-energy related sectors	CO ₂ -eq. emissions [t]	Activity data (tonne)
Waste management	21 082.73	9
Solid waste disposal	NE	
Biological Treatment of Solid Waste	NE	
Incineration and Open Burning of Waste	NE	
Other	21 082.73	
Wastewater treatment and discharge	NE	
Other non-energy related such as fugitive emissions	NE	

Si tenim emissions derivades del tractament dels residus, és la pestanya B43 dels IRE, ho posem a "Other" perquè no ho tenim desagregat per tractament

Emission Inventory Summary

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

Additional comments

1000 charts

Risk & Vulnerability Assessment (RVA)

Note that the online platform MyCovenant applies an IT solution through which tables in the RVA are generated automatically and pre-filled 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 optional from a pre-filled list, copy and paste the relevant option. Single choice indicates only one option is possible; multiple choice indicates more than one option are possible.

Table 1) Climate hazards

Climate hazard	Current state of hazard occurring		Expected change in hazard intensity			Time horizon
	Probability of hazard	Level of hazard	Expected change in hazard intensity	Expected change in hazard frequency	Time horizon	
Extreme heat	Single choice: Low Medium High Not known	Single choice: Low Medium High Not known	Single choice: Increase Decrease No change Not known	Single choice: Increase Decrease No change Not known	Multiple choice: Short-term Medium-term Long-term Not known	
Extreme cold	High	High	Increase	Increase	Long-term	
Extreme heat	Low	Low	No change	No change	Long-term	
Heavy precipitation	Low	Low	No change	No change	Long-term	
Floods & sea level rise	Single choice: Low Medium High Not known	Single choice: Low Medium High Not known	Single choice: Increase Decrease No change Not known	Single choice: Increase Decrease No change Not known	Multiple choice: Short-term Medium-term Long-term Not known	
Extreme heat	High	High	Increase	Increase	Long-term	
Extreme cold	Low	Low	No change	No change	Long-term	
Heavy precipitation	Low	Low	No change	No change	Long-term	
Floods & sea level rise	High	High	Increase	Increase	Long-term	
Droughts & water scarcity	High	High	Increase	Increase	Long-term	
Storms	High	High	Increase	Increase	Long-term	
Mass movement	Low	Low	No change	No change	Short-term	
Wild fires	High	High	Increase	Increase	Long-term	
Chemical changes	Low	Low	No change	No change	Short-term	
Biological hazards	Low	Low	No change	No change	Short-term	
Other	[please specify]	[please specify]	[please specify]	[please specify]	[please specify]	

Table 2) Vulnerable sectors

Climate hazard	Relevant vulnerable sector(s)	Current vulnerability level	Indicator
Extreme heat	Multiple choice: Buildings Transport Energy Water Land use planning Agriculture & Forestry Environment & Biodiversity Health Coastal protection & emergency Tourism ICT (information & communication technologies) Allied sectors Not known	Single choice: Low Medium High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.
Extreme cold	Buildings	Medium	[Choose from Annex 3 or write down your own]
Extreme heat	Transport	High	[Choose from Annex 3 or write down your own]
Extreme cold	Transport	Medium	[Choose from Annex 3 or write down your own]
Extreme heat	Energy	High	[Choose from Annex 3 or write down your own]
Extreme cold	Energy	Medium	[Choose from Annex 3 or write down your own]
Extreme heat	Land use planning	High	[Choose from Annex 3 or write down your own]
Extreme heat	Health	Medium	[Choose from Annex 3 or write down your own]
Extreme cold	Health	Medium	[Choose from Annex 3 or write down your own]
Heavy precipitation	Transport	Medium	[Choose from Annex 3 or write down your own]
Floods & sea level rise	Transport	Medium	[Choose from Annex 3 or write down your own]
Floods & sea level rise	Coastal protection & emergency	Medium	[Choose from Annex 3 or write down your own]
Floods & sea level rise	Land use planning	High	[Choose from Annex 3 or write down your own]
Floods & sea level rise	Buildings	High	[Choose from Annex 3 or write down your own]
Droughts & water scarcity	Water	High	[Choose from Annex 3 or write down your own]
Droughts & water scarcity	Tourism	High	[Choose from Annex 3 or write down your own]
Droughts & water scarcity	Environment & Biodiversity	Medium	[Choose from Annex 3 or write down your own]
Droughts & water scarcity	Agriculture & Forestry	Medium	[Choose from Annex 3 or write down your own]
Storms	Transport	Low	[Choose from Annex 3 or write down your own]
Storms	Coastal protection & emergency	Medium	[Choose from Annex 3 or write down your own]
Storms	Energy	High	[Choose from Annex 3 or write down your own]
Wild fires	Environment & Biodiversity	Low	[Choose from Annex 3 or write down your own]
Wild fires	Agriculture & Forestry	Low	[Choose from Annex 3 or write down your own]
Wild fires	Coastal protection & emergency	Low	[Choose from Annex 3 or write down your own]
Other	[please specify]	[please specify]	[Choose from Annex 3 or write down your own]

Table 3) Adaptive capacity

Impacted sector(s)	Relevant climate hazard(s)	Adaptive capacity factor(s)	Current adaptive capacity level	Indicator
		Multiple choice: Access to scientific Technological Governmental & Institutional Physical & Environmental Knowledge & Innovation	Single choice: Low Medium High Not known	Choose an indicator from Annex 3, Table 1, along with a unit and numeric value, or write down your own indicator.
Buildings	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
Energy	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
Water	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
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]
Health & Well-being	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
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]
Coastal 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]
Tourism	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
Education	[to be generated automatically in online template]	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
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]

Table 4) Vulnerable population groups

Climate hazard	Most vulnerable population group(s)
Extreme heat	Multiple choice: Women and girls Children Elderly Disability Marginalized groups Persons with chronic diseases Persons with mental health issues Unemployed persons Persons living in high-density housing Migrants and displaced people Other All listed population groups Not known
Extreme cold	[Choose from the list above]
Heavy precipitation	[Choose from the list above]
Floods & sea level rise	[Choose from the list above]
Droughts & water scarcity	[Choose from the list above]
Storms	[Choose from the list above]
Mass movement	[Choose from the list above]
Wild fires	[Choose from the list above]
Other	[please specify]

Additional comments

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?
		[dd/mm/yy]					<input 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?
		[dd/mm/yy]						<input type="checkbox"/>
		[dd/mm/yy]						<input type="checkbox"/>
		[dd/mm/yy]						<input type="checkbox"/>

Comments [v]

ⓘ Click on the [+/-] 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
Municipal buildings, equipment/facilities	17
Tertiary (non municipal) buildings, equipment/facilities	1
Residential buildings	4
Industry	0
Transport	12
Waste	3
Local Electricity Production	3
Local Heat/Cold Production	3
Others	6
TOTAL	49

Action plan implementation status			
Completed (%)	On-going (%)	Postponed (%)	Not-started (%)
71%	6%		24%
			100%
			100%
17%	25%		58%
33%	33%		33%
	67%		33%
			100%
	17%		83%

Estimated impacts in 2020, 2030 and/or other longer term time horizon		
In relation to:		BEI (option 1)
Energy savings	Renewable energy production	CO ₂ reduction
MWh/a	MWh/a	t CO ₂ /a
2226,04131	0	2578,873234
2893,24721	0	1058,000129
16009,9863	0	6328,047964
0	0	0
157563,922	0	41413,60212
0	0	16875,53484
0	3488,752544	4264,914066
0	29479,22682	7314,120738
11288,0487	1284,169241	4714,173485
189981,2453	34252,1486	84547,26658

4) Adaptation actions

ⓘ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan
Buildings	0
Transport	0
Energy	0
Water	13
Waste	0
Land Use Planning	3
Agriculture & Forestry	4
Environment & Biodiversity	2
Health	1
Local Production & Emergency	6
Coastal	4
Education	0
ICT (Information & communication technologies)	0
Other	1
TOTAL	34

Action plan implementation status			
Completed (%)	On-going (%)	Postponed (%)	Not-started (%)
	23,1		76,9
			100
			100
	50		50
			100
			100
	16,66		83,33
	75		25
			100

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

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

2) Title of the action: Sewage system master plan

3) Origin of the action: Local authority

4) Responsible body: Town's council

5) Short description: The Sewage system master plan includes an inventory of the existing sewage network, along with all the available data on accessible wells and system's pipes. Then, a diagnosis of the functioning of the sewage system and identify the necessary actions to adequate the system to current needs and to potential flood situations. 675 characters left

6) Implementation timeframe: Start: 2021, End: 2022

7) Implementation status: Ongoing

8) Stakeholders involved: Sub-national governments(s) and/or agency(ies) ① Insert geographical focus as reference

Additional comments:

9) Total implementation costs: 30000 €

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: Other

	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]

① To be filled in only for the concerned sector

11) Estimated impacts

Energy savings:		MWh/a
Renewable energy production:		MWh/a
CO ₂ reduction:		t CO ₂ /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: Heavy precipitation, Floods and sea level rise

19) Sector(s): Water

20) Outcome(s) reached: Description: Upgraded sewage system. 977 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

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:

31) Video link:

32) Picture:

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: Implementation of High Value Agriculture and Forestry systems (HVAFS)

3) Origin of the action: Local authority

4) Responsible body: Town's council/Consell Comarcal

5) Short description: Implementation of the HVAFS. Recuperation of traditional crops in Roses such as vineyards and olive orchards, combining them with pastures and forest areas, creating a mosaic landscape and thus increasing biodiversity. 781 characters left

6) Implementation timeframe: Start: 2022, End: 2025

7) Implementation status: Ongoing

8) Stakeholders involved: Citizens, Business & private sector, Sub-national governments(s) and/or agency(ies) ① Insert additional rows as needed

Additional comments:

9) Total implementation costs: 60000 €

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: Other

	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]

① To be filled in only for the concerned sector

11) Estimated impacts:

Energy savings:	[input]	MWh/a
Renewable energy production:	[input]	MWh/a
CO ₂ reduction:	[input]	t CO ₂ /a

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

13) Financial savings: [input] €

14) Life expectancy of the action: [input] years

15) Return on Investment: [input] %

16) Jobs created: [input] 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: Wild fires

19) Sector(s): Agriculture & forestry

20) Outcome(s) reached:

Description: Recuperation of the traditional agriculture and forest mosaic. 938 characters left

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

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

22) Avoided cost: [input] €

23) Life expectancy of the action: [input] years

24) Return on Investment: [input] %

25) Jobs created: [input] 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: [input] 1000 characters left

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

Further information

30) Weblink:

31) Video link:

32) Picture:

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: 750 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:

- Extreme heat
- Extreme cold
- Wild fires
- Heavy precipitation
- Floods and sea level rise

19) Sector(s):

20) Outcome(s) reached: Description: 952 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

ⓘ 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

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: **Creating a charging infrastructure**

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

4) Responsible body: **Town's council**

5) Short description: **Creating a fast charging structure for electric vehicles adapted to the demand of potential users. On the 14th of June 20016, the Generalitat de Catalunya passed the Action Plan for the deployment of charging infrastructure for electric vehicles 2016-2019, whose aim is to turn Catalunya into an appealing country for the use of electric vehicles by guaranteeing energy supply for electric vehicles. Fast charging is normally considered as an opportunity charging service, on the street or in commercial or private buildings.** 475 characters left

6) Implementation timeframe: **Start: 2020**, **End: 2030**

7) Implementation status: **Ongoing**

8) Stakeholders involved: **Citizens** Insert additional rows as necessary

Additional comments:

9) Total implementation costs: **36.000** €

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: **Transport**

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="ehicles (incl. infra:"/>	<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="ublic procuremer"/>	<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: **589** MWh/a

Renewable energy production: MWh/a

CO₂ reduction: **150** 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: 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

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

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: Installation of photovoltaic solar energy for self-consumption in all municipal facilities

3) Origin of the action: Local authority

4) Responsible body: Town's council

5) Short description: Use of photovoltaic energy is a fast and easy way to improve energy savings in homes, facilities and economic activities. The objective of the action is to increase the contribution of renewable energy in the electric consumption of the town council, taking full advantage of roofs in municipal facilities. 694 characters left

6) Implementation timeframe: Start: 2022, End: 2028

7) Implementation status: Ongoing

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

Additional comments:

9) Total implementation costs: 467,256 €

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

	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="Public procurement"/>	<input type="text" value="[drop-down]"/>	<input type="text" value="[drop-down]"/>

To be filled in only for the concerned sector

11) Estimated impacts:

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

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

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

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
 Promote the self-consumption of photovoltaic and renewable energy sources through tax credit

3) Origin of the action
 Local authority

4) Responsible body
 Town's council

5) Short description
 This action includes the assessment of available tax incentives that can be implemented to promote private investment on renewable energy sources and energy efficiency. These incentives might have an impact on the municipal treasury that need to be taken into account.
731 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status
 Ongoing

8) Stakeholders involved
 Citizens
Insert additional rows as necessary

Additional comments

9) Total implementation costs
 0 €
 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

Other

	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]	Other
Policy instrument:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	Other

To be filled in only for the concerned sector

11) Estimated impacts

Energy savings: 1003 MWh/a
 Renewable energy production: MWh/a
 CO₂ reduction: 476 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
 [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

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. [input]

31) Video link
 www. [input]

32) Picture
 [upload]

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: Support program for energy poverty cases

3) Origin of the action: Local authority

4) Responsible body: Town's council

5) Short description: The program offers support with actions to prevent and mitigate energy poverty, such as visits vulnerable households to assess energy consumption and advice on possible improvements, training programs aimed at vulnerable communities and advising on prices, energy power and contracting energy suppliers. 697 characters left

6) Implementation timeframe: Start: 2020, End: 2030

7) Implementation status: Ongoing

8) Stakeholders involved: Citizens Reset default roles as required

Additional comments:

9) Total implementation costs: 274750 €

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: Municipal buildings, equipment/facilities

Buildings Public lighting Transport Industry Electricity Production Heat/cold Production Other To be filled in only for the concerned sector

Tool / Area of intervention: Other [drop-down] [drop-down] [drop-down] [drop-down] [drop-down] [drop-down] [drop-down]

Policy instrument: Grants and subsidies [drop-down] [drop-down] [drop-down] [drop-down] [drop-down] [drop-down] [drop-down]

11) Estimated impacts

Energy savings: 360 MWh/a

Renewable energy production: [Drop-down] MWh/a

CO₂ reduction: 108 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

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

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

Further information

30) Weblink:

31) Video link:

32) Picture: