

Target 8 Joint SECAP plans

Final Version 30/04/ 2021

Deliverable Number 4.3

Output 2.102

Plans of adaptation measures put in place

ANNEX I - Joint Actions Repertoire
Part B



ANNEX I: Joint Actions Repertoire

[PP4] Municipality of Pescara

Joint Strategy HOME

Strategy

1) **Local authority name (as of 2020) and location:**

2) **Targets (and sub-measures):**

Mitigation						
CO ₂ (t/year)	Unit	Target Year	Base Year	Reduction Type	Reduction estimate in base year	
20%	%	2020	2016	absolute		<input type="checkbox"/> Only if your local authority has set up 2020 objectives.
40%	%	2030	2016	absolute		<input type="checkbox"/> Only if your local authority has set up 2030 objectives.
60%	%	2050	2016	absolute		<input type="checkbox"/> Add as many rows as necessary.

Adaptation				
Goal	Unit of the goal	Target year	Base Year	Progress towards target
Reduction of greenhouse gas emissions (as specified in the following report)	100%	2030	2016	
Check the climate risk for the population living and the enterprises located in the other areas of the	20%	2021	2016	

3) **Administrative structures:**

Type of administrative structure

- Monocentrical** - one sectoral department assigned with the municipal administration.
- Multi-sectoral** - several departments assigned with the municipal administration.
- Multi-level** - several departments assigned at different levels of governance (e.g. provincial/regional).

Comments [1] Click on the [1] button on the left to expand or collapse.
The organizational structure for the governance of the SECAP should include a Steering Committee that carries out the political function on the policy of the Plan, an Office that carries out the function of coordination on the technical level of the SECAP, a Working Group composed of representatives of the signatory Municipalities, the work of the steering committee and the working groups should be technical in nature, while the work of the Office should be administrative in nature. The SECAP will be implemented by the Local Administrations, while the organizational structure should be defined by the Local Administrations. The SECAP Coordinator will be appointed by the Local Administrations, will be an organizational structure already existing within the Administration. The SECAP Coordinator will be appointed by adding the organizational structures already existing inside the Municipality with a coordinating position as a governance tool rather than a government one.

4) **Staff resources allocated:**

Type	Risk prevention			Non intervention		
	Adaptation	Prevention (at least equipment only)	Costs (€)	Adaptation	Prevention (at least equipment only)	Costs (€)
Local authority	<input type="checkbox"/>	<input type="checkbox"/>	200	<input type="checkbox"/>	<input type="checkbox"/>	2000
Other levels of governance (i.e. Government coordinator or subproject)	<input type="checkbox"/>	<input type="checkbox"/>	0	<input type="checkbox"/>	<input type="checkbox"/>	30
External consultant	<input type="checkbox"/>	<input type="checkbox"/>	100	<input type="checkbox"/>	<input type="checkbox"/>	100
Other	<input type="checkbox"/>	<input type="checkbox"/>	60	<input type="checkbox"/>	<input type="checkbox"/>	60
Total			360			2210

Comments [1] Click on the [1] button on the left to expand or collapse.
The Plan prevention stems from the activities of a Working Group organized in a "vertical governance" mode according to the issues to be dealt with and involving the administrative staff of the signatory Municipalities. The work of the steering committee and the working groups should be technical in nature, while the work of the Office should be administrative in nature. The SECAP will be implemented by the Local Administrations, while the organizational structure should be defined by the Local Administrations. The SECAP Coordinator will be appointed by the Local Administrations, will be an organizational structure already existing within the Administration. The SECAP Coordinator will be appointed by adding the organizational structures already existing inside the Municipality with a coordinating position as a governance tool rather than a government one.

5) **Stakeholder engagement:**

Type of stakeholders	Participating segment	Engagement level	Frequency of participation	Organizational position
Local authority's staff	Staff members, experts, and politicians of the Municipalities of the target area, which are: Fianco di Mare, San Giovanni Trapatto, Spoleto, Montefalco and Pescasseroli	High	Focus Group	Information, Consultation, Advice, Coproduction, Co-decision, implementation
External stakeholders at local level	Producers, Suppliers & private sector, Stakeholders, NGOs & civil society or environmental issues, Regional environmental agency, Fire Protection Command and the Regional Environmental, Agrifood and Forestry Council of Umbria	Low	Survey	Information
Stakeholders at other levels of governance		(drop-down)		

Comments [1] Click on the [1] button on the left to expand or collapse.
Above, the list of the Authorities with environmental responsibility that have been involved with a survey during the project activities and, some of them, have also taking part to the two Focus Groups organized in December 2020 and February 2021.

6) **Budget:**

Overall budget forecast for the plan implementation		Budget spent (€)	
Total (€)	Allocation (%)	Total (€)	Allocation (%)
100	100	0	100

Financing sources		Share (in % of overall budget)
Local Authority's own resources	<input type="checkbox"/>	10
External resources	<input type="checkbox"/>	80
> Public	<input type="checkbox"/>	5
> Private	<input type="checkbox"/>	5
Not allocated to any sources	<input type="checkbox"/>	0

Comments [1] Click on the [1] button on the left to expand or collapse.
The main financial resource to support the implementation and monitoring of the Plan will come from European, national and regional funds. The Italian PNRR (2021-2026) will be the most financial source, followed by the European Regional Operational Programme - ERDF (2021-2027) and the Italian National Environmental Agency. Local Authority funds will be used to cover start-up costs, while private funds will be attracted for adaptation actions that require active involvement of private sector. Not allocated financial resources will be identified during the implementation phase (ETC Programmes or others European Sectoral Programmes).

7) **Monitoring process:**

The monitoring process will be carried out by involving the Abruzzo Regional Environmental Agency, the Accademia sector and an external evaluator consultant. The monitoring system will be based on the baseline regarding the data monitoring data concern from the SECAP of participating Municipalities.

Climate Change Risks and Vulnerabilities

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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 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)
(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 type="checkbox"/> Extreme heat	Moderate	Low	Increase	Increase	Mid-term
<input type="checkbox"/> Extreme cold	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Heavy precipitation	High	Moderate	[Please choose]	[Please choose]	Mid-term
<input type="checkbox"/> Heavy rainfall	High	Moderate	No change	Not known	Mid-term
<input type="checkbox"/> Heavy snowfall	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Ice	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Hail	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Floods & sea level rise	High	Moderate	[Please choose]	[Please choose]	Mid-term
<input type="checkbox"/> Flash / surface flood	High	Moderate	No change	[Please choose]	Mid-term
<input type="checkbox"/> River flood	High	Moderate	No change	[Please choose]	Mid-term
<input type="checkbox"/> Coastal flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Groundwater flood	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Permanent inundation	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Droughts & water scarcity	High	Moderate	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Storms	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Severe wind	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Tornado	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Cyclone (hurricane / typhoon)	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Tropical storm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Extratropical storm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Storm surge	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Lightning / thunderstorm	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Mass movement	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Landslide	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Avalanche	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Rockfall	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Subsidence	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Wild fires	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Forest fire	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> 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]
<input type="checkbox"/> Saltwater intrusion	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Ocean acidification	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> 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]
<input type="checkbox"/> Waterborne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Vectorborne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> Airborne disease	[Please choose]	[Please choose]	[Please choose]	[Please choose]	[Please choose]
<input type="checkbox"/> 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]	[Please choose]

Table 2) Vulnerable sectors

Climate hazards	Relevant vulnerable sector(s)	Current vulnerability level	Indicator
(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/checked 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 type="checkbox"/> Extreme heat	Health	Low	Number of deaths related to extreme weather event(s) (e.g. heat or cold waves)
<input type="checkbox"/> Extreme cold	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
<input type="checkbox"/> Heavy precipitation	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input type="checkbox"/> Floods & sea level rise	Buildings	Moderate	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events
<input type="checkbox"/> Droughts & water scarcity	Agriculture & forestry	Moderate	% of agriculture losses from extreme weather conditions/events (e.g. drought/water scarcity, soil erosion)

Climate Change Risks and Vulnerabilities

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Storms	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
Mass movement	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
Wild fires	[Choose from the list above]	[Please choose]	[Choose from Annex 3 or write down your own]
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
<p>ⓐ 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.</p>				
	ⓐ 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.
Buildings	[to be generated automatically in online template]	Physical & environmental	Moderate	% of (e.g. residential/commercial/agricultural/industrial/touristic)
Transport	[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]	Governmental & institutional	Moderate	% change in green & blue infrastructure/areas (e.g. through new urban planning regulation/policy)
Water	[to be generated automatically in online template]	Socio-economic	Moderate	% of public funds available to address a climate hazard and its impacts (e.g. fire, flood, heatwaves, etc)
Waste	[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]
Agriculture & forestry	[to be generated automatically in online template]	Socio-economic	Low	% of population living in areas at risk (e.g. flood/drought/heat wave/ forest or land fire)
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]
Health	[to be generated automatically in online template]	Socio-economic	Moderate	% share of vulnerable population groups (e.g. elderly (65+) / young (25-) people, lonely pensioner households, low)
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]
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]

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

Table 4) Vulnerable population groups

Climate hazards	Most vulnerable population group(s)
<p>ⓐ 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.</p>	
	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
Extreme heat	Elderly
Extreme cold	[Choose from the list above]
Heavy precipitation	All
Floods & sea level rise	All
Droughts & water scarcity	Marginalized groups
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

Joint 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?
Joint SECAP of the involved Municipalities of Pescara, Montesano, Spoleto and San Giovanni Teatino	List of joint actions selected by the involved municipalities of Pescara, Montesano, Spoleto and San Giovanni Teatino. The list of actions has been included within the Focus Group of the participated Municipalities of the Project Target Area which were Pescara, Montesano, Spoleto, San Giovanni Teatino, Chieti and Francavilla al Mare. The Municipalities of Chieti and Francavilla al Mare have not showed their interests to any of the 12 joint actions proposed.	ongoing	Technical Committee	Strateline climate adaptation plan (and/or strategy)	Greater than municipality's boundary	Italian / English	<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?
Climate projections for the Abruzzo region	Provides climate projections for the Abruzzo region with the highest spatial resolution	[dd/mm/yy]	Copernicus Climate Service	Emission inventory	Greater than municipality's boundary		Italian	<input type="checkbox"/>
Scoping Report	Defines the scientific, operational and methodological evidence through which the Strategic Environmental Assessment of the Plan will be elaborated	04/04/2021	Project external experts	Risk & vulnerability assessment	Equal to municipality's boundary		Italian	<input type="checkbox"/>
Joint Thematic Focus Group Report	The Joint SECAP project decided to use the focus groups methodology by organizing thematic focus group workshops in each area target area, with the engagement of relevant stakeholders that would possibly activate synergies and financial resources for the Joint Actions of climate adaptation.	08/04/2021	Regional Energy Agency Kwamer	Other	Equal to municipality's boundary		English	<input type="checkbox"/>
Analysis of organizational models for the adoption, management and monitoring of a joint SECAP	A comparative study that has unequivocally allowed to highlight that the identification of the best possible governance model is one of the first actions that the Administrations should undertake in the path that will lead them to join the Covenant of Mayors and adopt a SECAP	21/04/2021	Project external experts	Other	Greater than municipality's boundary		Italian/English	<input type="checkbox"/>
State aid for natural disasters: an economic mitigation measure in the event of extreme weather phenomena	The analysis has made it possible to identify some hypotheses of public intervention, through State aid measures, among the actions that the Municipalities can prepare in the event of extreme and catastrophic climatic events even if it is not an appropriate adaptation action for a SECAP	21/04/2021	Project external experts	Other	Greater than municipality's boundary		Italian/English	<input type="checkbox"/>
VULNERABILITY AND RISK ASSESSMENT	The stakeholders involved to collect information and data for this assessment were the representatives of the municipal technical offices, the Abruzzo Region Hydrographic Office, the Abruzzo Agency for the Protection of the Environment, citizens' associations, local trade associations, local action group, nonprofit organizations	05/08/2020	Project external experts	Risk & vulnerability assessment	Greater than municipality's boundary		Italian/English	<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 plans 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	Action plan implementation status				Estimated impacts in 2030, 2050 and/or other (in relation to 2018) in relation to BEI (option 1)		
		Completed (%)	Ongoing (%)	Postponed (%)	Not-started (%)	Energy savings Mtoe/a	Renewable energy production Mtoe/a	CO ₂ reduction tCO ₂ e
Municipal buildings, equipment/facilities	0							
Industrial/commercial buildings/equipment/facilities	0							
Residential buildings	0							
Industry	0							
Transport	0							
Waste	0							
Local Electricity Production	0							
Local Heat/Cold Production	0							
Others	0							
TOTAL	0,00					0	0	0

4) Adaptation actions

Ⓜ Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Action plan implementation status			
		Completed (%)	Ongoing (%)	Postponed (%)	Not-started (%)
Biodiversity	0				
Transport	3	0%	100	0	0
Energy	3	0%	100	0	0
Water	2	0%	0	0	100
Waste	0				
Land Use Planning	1	0%	0	0	100
Agriculture & Forestry	0				
Environment & Biodiversity	1	0	0	0	100
Health	0				
Civil Protection & Emergency	0				
Education	0				
ICT (Information & communication technologies)	2	0%	50	0	50
Other	0				
TOTAL	12				

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**
43 characters left

6) **Implementation timeframe**

Start:
 End:

7) **Implementation status**

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

Additional comments

9) **Total implementation costs**

	4.200.000,00€	€
Source of funding	EU funds and programmes	
Investment costs	4.000.000,00€	€
Non-investment costs	200.000,00€	€

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 CO₂a

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:
828 characters left

Related indicator: [numerical value] [per year / over a certain period]

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) **Web link**

31) **Video link**

32) **Picture**

Key Actions HOME

Ⓞ 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** 169 characters left

6) **Implementation timeframe**

Start:
End:

7) **Implementation status**

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

Additional comments

The action is part of the broader urban policies that intend to promote and support the development of new businesses, employment and new productive vocations for eco-sustainable activities that recycle materials, rationalize electricity consumption starting from public lighting and promote energy efficiency in buildings to reduce consumption and the negative impact of heating and air conditioning, reduce the amount of waste, increasing separate collection and economically enhancing the recycling chain development of advanced energy consumption monitoring and control systems (energy management systems), encourage the use of low energy impact public transport systems.

9) **Total implementation costs**

	15,000,000.00 €
Source of funding	EU funds and programmes
Investment costs	12,500,000.00 €
Non-investment costs	2,500,000.00 €

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: 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** (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: 828 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** (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**

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**
 Invest Active - Installation of electrical stations for recharging vehicles and other public and private ecological means of transport

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

4) **Responsible body**
 Mobility sectors of the involved Municipalities: Pescara - Montesikano - Spadore - S.G. Teatino

5) **Short description**
 Number of Municipalities involved: 4. Total number of Municipalities of the target area: 6. Joint action to reduce to increase the temperature and pollution by fine dust. The action is related to the actions of involved cities SEAPs, since it completes the creation of exchange parking lots with electric "car-sharing" and bike-sharing, contributes to the growth of Limited Traffic areas with access to only efficient vehicles, to promote sustainable mobility. The joint action proposed is closely related with the construction of eco-mobility points equipped with bicycle parking, electric bike rental, bicycle charging points and electric buses that are planned to be realized by the involved municipalities.

6) **Implementation timeframe**
 Start: 2021
 End: 2023

7) **Implementation status**
 Ongoing

8) **Stakeholders involved**
 Business & private sector Ⓜ Insert additional rows as needed

Additional comments
 The action is synergistic with the key joint action n. 4 and with the single action n. 5 of the SECAP Pescara. At the same time and limited to Pescara Municipality, the action is also recognized in the DUP 2021-2023 of the Municipality of Pescara, Strategic Line 5: Mobility action 5.1: Mobility planning, sub-action 5.1.1, which plans to implement: the SUTRA PROJECT - sustainable transport in the Adriatic coastal areas and neighboring areas; the spread of SHARING MOBILITY, the electric car charging service in the municipal area; and experimental electric micro-mobility in the urban environment.

9) **Total implementation costs**

Source of funding	National funds and programmes	1.000.000,00 €
Investment costs		1.300.000,00 €
Non-investment costs		200.000,00 €

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

10) **Sector**

Tool / Area of intervention Policy instrument	[Drop-down]							Ⓜ To be filled in only for the concerned sector
	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	
	[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
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**
 Droughts and water scarcity

19) **Sector(s)**
 Transport

20) **Outcome(s) reached**

Description: Having facilitated the movement of people by electric vehicles

Related indicator: kWh of electricity taken from the charging stations installed per year [numerical value] No.

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

22) **Avoided cost**
 10.000.000,00 €

23) **Life expectancy of the action**
 5 years

24) **Return on investment**
 3 %

25) **Jobs created**
 100 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: [Please specify]

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

Further information

30) **Web link**
 www.

31) **Video link**
 www.

32) **Picture**
 [Upload]

Key Actions HOME

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

- Type of action**
 - Mitigation
 - Adaptation
 - Energy povertyOnly in combination with 'Mitigation' and/or 'Adaptation' actions
- Title of the action**

Joint Action - Promote sustainable mobility through services, equipment and infrastructures that encourage the use of ecological vehicles with zero impact even in sharing mode
- Origin of the action**

Mixed
- Responsible body**

Environmental quality sectors of the involved Municipalities: Pescara - Montesilvano - Spoltore - S.G. Teatino
- Short description**

Number of Municipalities involved: 4. Total number of Municipalities of the target area: 6. Joint action to reduce the pollution by fine dust (promote the use of bicycles, e-scooters and electric vehicles) and at the same time, move commuter traffic away from the historic center, divert part of the local traffic onto alternative means, invest in public transport so that it becomes more comfortable and attractive to the population. The action is in synergy with the following actions of the cities SEAPs, such as: the creation of exchange parking lots with electric "car-sharing" and bike-sharing, the renewal of the municipal vehicle fleet and the creation of cycle paths.

225 characters left
- Implementation timeframe**

Start: 2012
End: 2023
- Implementation status**

Ongoing
- Stakeholders involved**

NGOs & civil society

Insert additional rows as needed

Additional comments

The action intends to enhance the long Pescara river as an access road between the neighboring cities towards the historic center of Pescara, intersecting the river contract project and the Pescara river urban project, so as to complete and enhance the cycle paths as a continuation of the green corridor of the long river and creating connections of environmental value between the neighboring territories of the Great Pescara (Joint initiative between Pescara-Montesilvano-Spolto). It also intersects the "intelligent" public transport route in a protected site (Pescara central station - University sector) and intends to encourage the use of public transport with specific actions and projects (eg project for navigability of the Pescara river from the tourist port to the airport (S.G. Teatino territory), from integrate with the River Park project and Purchase of ecological buses), also through the use of innovative systems for parking management (Air Park & Ride with monitoring of CO2 emissions).

- Total implementation costs**

	20.000.000,00 €
Source of funding	EU funds and programmes
Investment costs	19.000.000,00 €
Non-investment costs	1.000.000,00 €

A. Mitigation

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

- Sector**

[Drop-down]

Buildings	Public lighting	Transport	Industry	Electricity Production	Heatbold Production	Other
[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

To be filled in only for the concerned sector
- Estimated impacts**

Energy savings		MWh/a
Renewable energy production		MWh/a
CO ₂ reduction		t CO2/a
- Vulnerable population group(s) targeted**

[Drop-down]
- Financial savings**

€
- Life expectancy of the action**

years
- Return on Investment**

%
- Jobs created**

full-time equivalent
- 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

- Climate hazard(s) addressed**

Droughts and water scarcity
- Sector(s)**

Transport
- Outcome(s) reached**

Description: Having facilitated the movement of people, lightened city traffic and especially the pollution of fine dust

Related indicator: Number of air quality warnings issued [numerical value] No

223 characters left
- Vulnerable population group(s) targeted**

All
- Avoided cost**

30.000.000,00 €
- Life expectancy of the action**

20 years
- Return on Investment**

3,33 %
- Jobs created**

100 full-time equivalent
- 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

- Vulnerable population group(s) targeted**

[Drop-down]
- Outcome(s) reached**

Description: [Please specify]

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

1000 characters left

Further information

- Web link**

www
- Video link**

www
- Picture**

[upload]

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
 Joint Action - Provide citizens (individuals or groups in association) with the care and maintenance of public areas, parks, gardens, flower beds, roundabouts, etc.

3) Origin of the action
 Local authority

4) Responsible body
 Quality sectors of public spaces of the involved Municipalities: Pescara - Montesivaro - Spoltore - S.O. Teatro

5) Short description
 Number of Municipalities involved: 4. Total number of Municipalities of the target area: 6. Joint action to reduce the rise in temperature and the production of oxygen in the urban environment. The action intends to enhance the good management of urban green spaces owned or of municipal competence, through the "adoption conventions" with active citizenship, with the aim of involving and involving citizens and/or economic operators in the management, maintenance and improvement of the municipal areas, stimulate and increase the sense of belonging of citizens towards the common good, recover public green spaces, restoring their decor and restoring the self-esteem and efficiency of the local itself, obtain the restoration and conservation of green areas, without heavy management burdens for the involved Municipalities. 169 characters left

6) Implementation timeframe
 Start: 2022
 End: 2030

7) Implementation status
 Not started

8) Stakeholders involved
 Citizens ⓘ Insert additional rows as needed

9) Total implementation costs

Source of funding	Local authority's own resources
Investment costs	10.000,00 €
Non-investment costs	40.000,00 €

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	
Tool / Area of intervention:	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	ⓘ To be filled in only for the concerned sector
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
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
 Extreme heat

19) Sector(s)
 Environment & biodiversity

20) Outcome(s) reached
 Description: improvement of the aesthetics of the city through green infrastructures managed directly by citizens, capable of reducing fire risk, increasing the surfaces shaded by vegetation and improving the quality of the breathable area. 774 characters left
 Related indicator: % of urban green areas affected by soil quality degradation [numerical value] %

21) Vulnerable population group(s) targeted
 Migrants and displaced people

22) Avoided cost
 150.000,00 €

23) Life expectancy of the action
 8 years

24) Return on investment
 4,17 %

25) Jobs created
 20 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
 [www]

31) Video link
 [www]

32) Picture
 [upload]

[PP5] SDEWES CENTRE - International Centre for Sustainable Development of Energy, Water and Environment Systems

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 **JOINT ACTION: Construction of green canopies that protect from the sun (and precipitation) at public transport stops**

3) Origin of the action **Mixed**

4) Responsible body **Competent Administrative Departments of the City / Municipality in the observed area, Libertas d.o.o. (public transportation company)**

5) Short description **All the Municipalities implement together a joint action and there is a total of 5 municipalities in the area. All the municipalities join this action because all are covered by the same public transport operator and have the same conditions regarding heat waves. Heatwaves are one of the manifestations of climate change that has a significant effect on many aspects of everyday life, and perhaps most pronounced on passengers in public transport, and can pose a serious threat to human health. Consequently, this action aims to ensure the availability of (green) canopies that provide greater protection from direct sun exposure at public transport stops. When choosing the type of canopies and building materials should consider, and where possible give preference, the use of green materials and technologies.** 187 characters left

6) Implementation timeframe **Start: 2021 End: 2030**

7) Implementation status **Not started**

8) Stakeholders involved **Sub-national government(s) and/or agency(ies) Business & private sector** ⓘ Insert additional rows as needed

Additional comments
 The stakeholders have involved thanks to the 3 focus group meetings managed by the Joint Action Coordinator for Climate and Energy. The role of stakeholders was to contribute to the design of the action. The stakeholders also provided their feedback on the action design via email exchange.

9) Total implementation costs **Unknown** €

Source of funding:	Local authority's own resources	€
Investment costs:	Unknown	€
Non-investment costs:	Unknown	€

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

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**

19) Sector(s) **Transport**

20) Outcome(s) reached **Description: The action will reduce the heat waves exposure and direct sunlight exposure for the citizens using public transport. Also, it will locally reduce temperature and increase the attractiveness and comfort level of the public transport.** 768 characters left

Related indicator:	Number of green canopies build	0	/
--------------------	--------------------------------	---	---

21) Vulnerable population group(s) targeted **Elderly**

22) Avoided cost **€**

23) Life expectancy of the action **30** 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

Further information

30) Weblink **http://joint-secap.unicam.it/**

31) Video link **www.**

32) Picture **[upload]**

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
JOINT ACTION: Rehabilitation of water losses in the water supply system and expansion of the water supply and sewerage system in the City of Dubrovnik

3) Origin of the action
 Regional

4) Responsible body
 Vodovod Dubrovnik d.o.o., Competent Administrative Departments of the City of Dubrovnik

5) Short description
 Four out of five municipalities in the area are participating in this action. The City of Dubrovnik, municipalities of Zupa Dubrovačka, Ston and Dubrovacko primorje participate in this action since it is done by Vodovod Dubrovnik which provides water supply on their territories. Losses in the water supply network amount to 38, 22% (the EU average is 34%, and the Republic of Croatia 40%). Reducing water losses in the water supply system not only saves water but also the energy needed for its pumping, treatment, and distribution. Currently, the City of Dubrovnik is starting the implementation of the project "Public water supply system, drainage and wastewater treatment plant - Dubrovnik Agglomeration". The value of the project is HRK 881.289.682,00, and it is financed by a grant from the European Union. The project includes the construction of a new wastewater treatment plant UPOV Peka, and the construction of the entire missing sewerage and water supply network in the area.

15 characters left

6) Implementation timeframe
 Start: 2019
 End: 2025

7) Implementation status
 Ongoing

8) Stakeholders involved
 National government and/or agency(ies)
 Sub-national government(s) and/or agency(ies)
 Business & private sector
 Academia

Insert additional rows as needed

Additional comments
 The stakeholders have involved thanks to the 3 focus group meetings managed by the Joint Action Coordinator for Climate and Energy. The role of stakeholders was to contribute to the design of the action. The stakeholders also provided their feedback on the action design via email exchange.

9) Total implementation costs
 117.000.000,00 €
 Source of funding: EU funds and programmes
 Investment costs: 117000000 €
 Non-investment costs:

A. Mitigation

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

B. Adaptation

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: Reduction of water losses and wastewater treatment plant are outcomes of the actions.
 Related indicator: water losses 38 %

15 characters left

21) Vulnerable population group(s) targeted
 All

22) Avoided cost
 €

23) Life expectancy of the action
 50 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

Further information

30) Weblink
<https://joint-secap.unicam.it/>

31) Video link
[www.](#)

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**

All the municipalities join this action because deforestation, bush and forest fires are a serious problem in this area. The action has a goal to increase the area covered with forest and reduce the degradation of the land. Afforestation of neglected and degraded forest areas with autochthonous tree species, to prevent the spread of invasive plant species (low vegetation and shrubs) subject to fire and fire spread. This measure is especially applicable to previously burned, neglected and uncultivated areas covered with maquis. The measure should be implemented in a planned manner in accordance with the prepared project documentation that defines the type, quantity and spacing between seedlings. The initiator of the measure should be professional institutions (Croatian Forests - Dubrovnik Branch Office), and certain activities can be carried out by the citizens themselves (civil society associations).

87 characters left

6) **Implementation timeframe**

Start	2021
End	2030

7) **Implementation status**

8) **Stakeholders involved**

National government and/or agency(ies)	Insert additional rows as needed
NGOs & civil society	
Citizens	

Additional comments

The stakeholders have involved thanks to the 3 focus group meetings managed by the Joint Action Coordinator for Climate and Energy. The role of stakeholders was to contribute to the design of the action. The stakeholders also provided their feedback on the action design via email exchange.

9) **Total implementation costs**

	200.000,00	€
Source of funding:	Other	
Investment costs:	200000	€
Non-investment costs:		€

A. Mitigation

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

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:	The action outcomes are the reduction of wild forest and increased area under forests in all municipalities.		
Related indicator:	Area with newly planted trees	0	ha

892 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

Further information

30) **Weblink**

31) **Video link**

32) **Picture**

[PP6] Primorje - Gorski Kotar County

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?
Joint Sustainable Energy and Climate Action Plan	Joint climate action plan that is carried out by a group of neigh	[dd/mm/yy] [dd/mm/yy] [dd/mm/yy]		Integrated climate plan (addressing both mitigation and	Equal to municipality's t	Croatian	<input type="checkbox"/> <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] [dd/mm/yy] [dd/mm/yy]						<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Comments [v]

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	Action plan implementation status				Estimated impacts in 2030, 2050 and/or other longer term time horizon		
		Completed (%)	On-going (%)	Postponed (%)	Not-started (%)	Energy savings MWh/a	Renewable energy production MWh/a	GHG (option 2) CO ₂ reduction t CO ₂ /a
Municipal buildings, equipment/facilities	3					2873,6		605,31
Buildings (non-municipal) buildings, equipment/facilities	2					51819,91		12134,01
Residential buildings	3					145246,72		24177,21
Industry	0					0		0
Transport	3					0		0
Waste	0					0		0
Local Heat/Cold Production	0					0	23025	5508,45
Local Heat/Cold Production	0					0		0
Other	2					3476,18		813,43
TOTAL	11					292431,12	23925	67048,33

4) Adaptation actions

Only if your local authority is committed to adaptation.

Adaptation sectors	Number of actions included in the plan	Action plan implementation status			
		Completed (%)	On-going (%)	Postponed (%)	Not-started (%)
Buildings	2				
Transport	0				
Energy	0				
Waste	3				
Waste	1				
Land Use Planning	2				
Agriculture & Forestry	1				
Environment & Biodiversity	0				
Health	0				
Crisis Protection & Emergency	0				
Tourism	1				
Education	0				
ICT (information & communication technologies)	0				
Other	1				
TOTAL	11				

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 considers as "key actions" - fill in the dedicated "key action" tab.

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

2) Title of the action **JOINT ACTION: Improved in water and utility infrastructure in the territory of the Rijeka Agglomeration**

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

4) Responsible body **Administrative departments of the Municipality of Matulić, City of Kastav, the Municipality of Viskovo and the Municipality of Čakovec**

5) Short description **(Number of Municipalities/Cities involved: 4, Total number of Municipalities/Cities of the target area: 5 The Municipalities/Cities join this action because of shortcomings in their sewerage and water supply system. The action has the goal of construction of a new and reconstruction of the existing sewerage system and expansion and reconstruction of the existing water supply system, as well as construction of wastewater treatment plants with the aim of ensuring a higher standard services, better quality of life and increasing environmental standards. The objectives of the measure are to increase the connection to the public sewerage system, ensure adequate wastewater treatment, increase the efficiency and reliability of the** 80 characters left

6) Implementation timeframe **Start: 2020 End: 2026**

7) Implementation status **Ongoing**

8) Stakeholders involved **Business & private sector** ① For multiple choice, insert additional rows as needed

Additional comments

9) Total implementation costs **234.875.067,00 €**

Source of funding **Local authority's own resources**
EU funds and programmes
 Investment costs: **234.875.067,00 €**
 Non-investment costs: **0 €**

A. Mitigation

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

10) Sector **[Drop-down]**

Tool / Area of intervention	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
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
 CO₂ reduction: t CO₂/a

12) Vulnerable population group(s) targeted **[Drop-down]** ① 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

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** ① For multiple choice, insert additional rows as needed
Heavy precipitation

19) Sector(s) **Water** ① For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: **Expected outcome of the action is enhancement of water supply reliability.** 820 characters left

Related indicator: **Number of days in water supply interruptions** n/a No.

21) Vulnerable population group(s) targeted **All** ① For multiple choice, insert additional rows as needed

22) Avoided cost n/a €

23) Life expectancy of the action 60 years

24) Return on investment n/a %

25) Jobs created n/a 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]** ① 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]

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: **JOINT ACTION: Integration of the concept of green infrastructure into spatial and strategic planning processes**

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

4) Responsible body: **Municipal departments of the City of Opuzen, the Municipality of Maklup, the City of Krakac, the Municipality of Visokovo and the Municipality of...**

5) Short description: **Number of Municipalities/Cities involved: 5, Total number of Municipalities/Cities of the target area: 5. All the Municipalities/Cities join this action because it is necessary to integrate the concept of green infrastructure into spatial planning processes and policies and other strategic documents. It is recommended that special attention is paid to green infrastructure as an element in the organization of space when amending documents such as spatial and urban plans. The aim of the measure is to strategically plan and systematically develop green infrastructure in the observed area, especially at critical points where green infrastructure is poorly developed, primarily to reduce the effect of existing and prevent the emergence of...** 100 characters left

6) Implementation timeframe: **Start: 2021, End: 2020**

7) Implementation status: **Not started**

8) Stakeholders involved: **Business & private sector** ④ For multiple choices, insert additional rows as needed
Trade unions

Additional comments:

9) Total implementation costs: **213.323,00** €

Source of funding: **Local authority's own resources**
Regional funds and programmes
EU funds and programmes

Investment costs: **0** €
 Non-investment costs: **213.323,00** €

A. Mitigation

④ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: **[Drop-down]**

Tool / Area of intervention	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	⑤ To be filled in only for the concerned sector
Policy instrument	[drop-down]	[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: **[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

④ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: **Extreme heat** ④ For multiple choice, insert additional rows as needed

19) Sector(s): **Land use planning** ④ For multiple choice, insert additional rows as needed

20) Outcome(s) reached: **Description: Expected outcome of integration of green infrastructure into spatial and strategic planning municipal processes is improvement of citizens' health conditions and overall well-being.** 10 characters left
Related indicator: Number of people injured/evacuated/relocated due to ext. n/a No. per year

21) Vulnerable population group(s) targeted: **All** ④ For multiple choice, insert additional rows as needed

22) Avoided cost: **n/a** €

23) Life expectancy of the action: **100** years

24) Return on investment: **n/a** %

25) Jobs created: **n/a** full-time equivalent

26) Other figures: **[Please specify] [Numerical value] [Unit]**

C. Energy poverty

④ 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]**

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.

- Type of action
 - Mitigation
 - Adaptation
 - Energy povertyOnly in combination with "Mitigation" and/or "Adaptation" actions
- Title of the action: **JOINT ACTION: Designing and implementing programs to inform and educate the public about the benefits of climate-resistant buildings**
- Origin of the action: **Local authority**
- Responsible body: **Municipal departments of the City of Opuzen, the Municipality of Metković, the City of Karlovac, the Municipality of Vukovo and the Municipality of Čapljina**
- Short description:

Number of Municipalities/Cities involved: 5. Total number of Municipalities/Cities of the target area: 5

All the Municipalities/Cities join this action with the aim of conducting information and education of the population for the climate-resistant buildings concept application (new and existing buildings) on the possibilities of energy savings and energy production for own needs and for commercial purposes.

The importance of formal and non-formal education on energy, energy efficiency, renewable sources and sustainable development is emphasized in a number of strategic documents of the Republic of Croatia, and is also recognized because it

100 characters left
- Implementation timeframe:

Start	2021
End	2020
- Implementation status: **Not started**
- Stakeholders involved:
 - Academia
 - Education sector
 - Trade unions
 - National government and/or agency(ies)For multiple choice, insert additional rows as needed

Additional comments:
- Total implementation costs:

133.333,00	€
Source of funding	Local authority's own resources
	EU funds and programmes
Investment costs	0,00
Non-investment costs	133.333,00

A. Mitigation

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
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

To be filled in only for the concerned sector
- Estimated impacts:

Energy savings		MWh/a
Renewable energy production		MWh/a
CO ₂ reduction		t CO ₂ e
- Vulnerable population group(s) targeted: For multiple choice, insert additional rows as needed
- Financial savings: €
- Life expectancy of the action: years
- Return on investment: %
- Jobs created: full-time equivalent
- 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

- Climate hazard(s) addressed:
 - Extreme heat
 - Extreme coldFor multiple choice, insert additional rows as needed
- Sector(s): **Buildings** For multiple choice, insert additional rows as needed
- Outcome(s) reached:

Description: **Expected outcome of educational activities is adaptation of citizens to extreme weather conditions which will result in improvement of health and reduction of energy consumption as well.**

819 characters left

Related indicator:

Number of people injured/evacuated/helicoptered due to extreme	n/a	No. per year
--	-----	--------------
- Vulnerable population group(s) targeted: For multiple choice, insert additional rows as needed
- Avoided cost: €
- Life expectancy of the action: years
- Return on investment: %
- Jobs created: full-time equivalent
- 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

- Vulnerable population group(s) targeted: For multiple choice, insert additional rows as needed
- Outcome(s) reached:

Description:

1000 characters left

Related indicator:

<input type="checkbox"/> (Please specify)	<input type="checkbox"/> (numerical value)	<input type="checkbox"/> (Unit)
---	--	---------------------------------

Further information

- Web link:
- Video link:
- Picture:

Actions HOME

Actions

① Only 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: **JOINT ACTION: Energy renovation of family houses**

3) Origin of the action: **National**

4) Responsible body: **The City of Opuzen, the Municipality of Makušići, the City of Križevci, the Municipality of Vukovar, the Municipality of Čakovci**

5) Short description: **Number of municipalities involved: 5, Total number of municipalities of the target area: 5. This measure primarily applies to single-family homes that have large energy losses caused by poor thermal insulation and inefficient heating systems. All the municipalities/cities join this action with the aim of implementing the following activities:
 - renovation of house envelopes - increasing the thermal protection of the envelope which adds, restores or replaces parts of the building such as windows, doors, transoms, facade elements, thermal insulation of floors, ceilings, walls and roofs and waterroofing.** ④ 27 characters left

6) Implementation timeframe: **Start: 2021, End: 2050**

7) Implementation status: **Not started**

8) Stakeholders involved: **Citizens** ⑤ For multiple choice, insert additional rows as needed
National government and/or agency(ies)
Sub-national government(s) and/or agency(ies)

Additional comments:

9) Total implementation costs: **488.857.333,00** €

Source of funding:	Local authority's own resources
	National funds and programmes
	EU funds and programmes
	Other
Investment costs:	488.857.333,00 €
Non-investment costs:	0,00 €

A. Mitigation

⑥ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse

10) Sector: **Residential buildings**

Tool / Area of intervention / Policy instrument	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
Integrated action (all above)	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]
Building standards	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

⑦ To be filled in only for the concerned sector

11) Estimated impacts:

Energy savings:	150130,65	MWh/a
Renewable energy production:	-	MWh/a
CO ₂ reduction:	24926,49	t CO ₂ e

12) Vulnerable population group(s) targeted: ⑧ 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

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

18) Climate hazard(s) addressed: ⑩ For multiple choice, insert additional rows as needed

19) Sector(s): ⑪ For multiple choice, insert additional rows as needed

20) Outcome(s) reached:

Description: ⑫ 6000 characters left

Related indicator: (numerical value) [Unit]

21) Vulnerable population group(s) targeted: ⑬ 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

⑭ Only for actions addressing energy poverty. Click on the [+/-] buttons on the left to expand or collapse

27) Vulnerable population group(s) targeted: ⑮ For multiple choice, insert additional rows as needed

28) Outcome(s) reached:

Description: ⑯ 6000 characters left

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

Further information

30) Web link:

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

Mitigation
 Adaptation
 Energy poverty

2) Title of the action: **JOINT ACTION: Modernization of public lighting in the observed area**

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

4) Responsible body: **Administrative departments of the City of Osijek, the Municipality of Malidaj, the City of Kopriv, the Municipality of Vukovo and the Municipality of Čak**

5) Short description: **Number of Municipalities/Cities involved: 5. Total number of Municipalities/Cities of the target area: 5. All the Municipalities/Cities join this action because even though public lighting in the observed area does not have a large share in total energy consumption it represents a large financial cost. By saving in this sector, self government units will be able to open investments in other measures. This measure includes:
 - installation of energy efficient and environmentally friendly public lighting and replacement of obsolete luminaires with luminaires that are environmentally and economically compliant with the applicable regulatory framework.** ⓘ 50 characters left

6) Implementation timeframe: **Start: 2021, End: 2020**

7) Implementation status: **Not started**

8) Stakeholders involved: **Sub-national governments(s) and/or agency(ies)** ⓘ For multiple choice, insert additional rows as needed

Additional comments:

9) Total implementation costs: **6 812 267,00 €**

Source of funding:	Local authority's own resources	€
	EU funds and programmes	€
Investment costs:	6 812 267,00	€
Non-investment costs:	0	€

A. Mitigation

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

10) Sector: **Municipal buildings, equipment/facilities**

Tool / Area of intervention / Policy instrument	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other	ⓘ To be filled in only for the concerned sector
	(drop-down)	Energy efficiency Energy management	(drop-down)	(drop-down)	(drop-down)	(drop-down)	(drop-down)	

11) Estimated impacts:

Energy savings:	3476,18	MWh/a
Renewable energy production:	-	MWh/a
CO ₂ reduction:	813,43	t CO ₂ /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)** ⓘ For multiple choice, insert additional rows as needed

19) Sector(s): **(Drop-down)** ⓘ 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)** ⓘ 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

ⓘ 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)** ⓘ 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:

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 actions" 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

4) Responsible body

5) Short description

6) Implementation timeframe

7) Implementation status

8) Stakeholders involved ⓘ For multiple choice, 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 Transport Buildings Public lighting Industry Electric Production Heat/cold Production Other ⓘ To be filled in only for the concerned sector

Tool / Area of intervention	Buildings	Public lighting	Transport	Industry	Electric Production	Heat/cold Production	Other
Policy instrument	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="Road network optimisation
transport / mobility planning regulati"/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

11) Estimated impacts

Energy savings	<input type="text" value="34346,44"/>	MWh/a
Renewable energy production	<input type="text" value="-"/>	MWh/a
CO ₂ reduction	<input type="text" value="9092,59"/>	CO ₂ a

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

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

20) Outcome(s) reached

Description:

Related indicator: (numerical value) (Unit) 2000 characters left

21) Vulnerable population group(s) targeted ⓘ 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

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

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

28) Outcome(s) reached

Description:

Related indicator: (Please specify) (numerical value) (Unit) 2000 characters left

Further information

30) Weblink

31) Video link

32) Picture

[PP7] Split - Dalmatia County

HOME

Actions

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:
655 characters left

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:	<input type="text" value="unknown"/>	€
Investment costs:	<input type="text" value="Drop-down"/>	€
Non-investment costs:	<input type="text" value="unknown"/>	€

A. Mitigation

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

B. Adaptation

⑥ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse

18) Climate hazard(s) addressed: ④ For multiple choice, insert additional rows as needed

19) Sector(s): ④ For multiple choice, insert additional rows as needed

20) Outcome(s) reached:

Description:
652 characters left

Related indicator:

21) Vulnerable population group(s) targeted: 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: (numerical value)

C. Energy poverty

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

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

28) Outcome(s) reached:

Description: 1000 characters left

Related indicator: (numerical value)

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: **Joint Action - Encouraging the development of agritourism**

3) Origin of the action: **Mixed**

4) Responsible body: **Municipalities of island of Brač and Tourist Boards**

5) Short description: **Number of Municipalities involved: 8 Total number of Municipalities of the target area: 8
 All the municipalities join this action in order to coordinate agritourism development for the island as a whole since it represents an important economic activity for all municipalities. The action has the goal to increase and improve touristic offer in the agritourism domain.** 822 characters left

6) Implementation timeframe: **Start: 2021 End: 2030**

7) Implementation status: **Ongoing**

8) Stakeholders involved: **Sub-national government(s) and/or agency(ies) Business & private sector** 📄 For multiple choice, insert additional rows as needed

Additional comments

The stakeholders were involved thanks to a specifically designed focus group meeting organized and managed by the "Joint Action Coordinator for Climate and Energy" and the external consultant. The role of stakeholders was to present the status of each relevant sector, strengths and weaknesses, issues encountered so far and further challenges as well as their views on possible solutions to improve the situation. Climate change adaptation measures proposed were evaluated according to predefined criteria and discussed till full agreement.

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

Source of funding: **Local authority's own resources National funds and programmes**

Investment costs: **unknown** €

Non-investment costs: **unknown** €

A. Mitigation

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

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 Heavy precipitation** 📄 For multiple choice, insert additional rows as needed

19) Sector(s): **Tourism** 📄 For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: **This action has the following outcome: increased diversity of agrotouristic products/services, increased number of tourists outside the high seasons as well. The latter is expected to be reached thanks to Action's joint implementation.** 765 characters left

Related indicator: **Change in tourist flows** %

21) Vulnerable population group(s) targeted: **All** 📄 For multiple choice, insert additional rows as needed

22) Avoided cost: **€**

23) Life expectancy of the action: **10** 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]** 📄 For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description: **[Please specify]** 1000 characters left

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

Further information

30) Weblink: **www.**

31) Video link: **www.**

32) Picture: **[upload]**

Actions

[HOME](#)

Actions

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

Ⓜ For the actions your focal 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: **Joint Action - Reconstruction of the water supply network**

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

4) Responsible body: **Water supply company (Vodovod Brno, Ltd.)**

5) Short description

Number of Municipalities involved: 8 Total number of Municipalities of the target area: 8

All the municipalities join this action because relevant water supply infrastructure is interconnected and spans over the whole territory irrespective of the administrative borders. The action has the goal to improve the water supply to island population throughout the whole year by reducing water losses in the network.

6) Implementation timeframe

Start: 2021
End: 2039

7) Implementation status: **Ongoing**

8) Stakeholders involved

National government and/or agency(ies) Ⓜ For multiple choice, insert additional rows as needed

Sub-national government(s) and/or agency(ies)

Business & private sector Ⓜ For multiple choice, insert additional rows as needed

9) Total implementation costs

without funding €

Source of funding

- EU funds and programmes
- Local authority's own resources
- Other

Investment costs: unknown €

Non-investment costs: €

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** Ⓜ To be filled in only for the concerned sector

Tool / Area of intervention

Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]

11) Estimated impacts

Energy savings: MWh/yr

Renewable energy production: MWh/yr

CO₂ reduction: t CO₂e

12) Vulnerable population group(s) targeted: **All** Ⓜ 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: **Droughts and water scarcity** Ⓜ For multiple choice, insert additional rows as needed

19) Sector(s): **Water** Ⓜ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: **This action has the following outcomes: increased water supply rate on the island with lower number of public service interruptions through decreasing losses in the water supply network. These are expected to be reached thanks to Action's joint implementation.**

Related indicator: **losses in the water supply network**

21) Vulnerable population group(s) targeted: **All** Ⓜ For multiple choice, insert additional rows as needed

22) Avoided cost: €

23) Life expectancy of the action: **50** 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: **All** Ⓜ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description: 5000 characters left

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

Further information

30) Web link: **www.**

31) Video link: **www.**

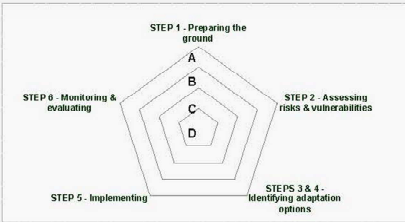
32) Picture: **[Upload]**

ANNEX 2 - Adaptation Scoreboard

[HOME](#)

Please complete the following self-assessment checklist, using the A-B-C-D scaling system (presented below) in column F (compulsory). Identify your next steps/areas 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	Forging ahead	60-75 %
A	Taking the lead	75-100 %



Adaptation cycle steps	Actions	Self check of the Status	Comments
STEP 1 - Preparing the ground for adaptation <input type="button" value="STRATEGY"/>	<p><u>Adaptation commitments defined/integrated into the local climate policy</u></p> <p>Human, technical and financial resources identified</p> <p>Adaptation team (officer) appointed within the municipal administration and clear responsibilities assigned</p> <p>Horizontal (i.e. across sectoral departments) coordination mechanisms in place</p> <p>Vertical (i.e. across governance levels) coordination mechanisms in place</p> <p>Consultative and participatory mechanisms set up, fostering the multi-stakeholder engagement in the adaptation process</p> <p>Continuous communication process in place (for the engagement of the different target audiences)</p>		500 chars left
STEP 2 - Assessing risks & vulnerabilities to climate change <input type="button" value="RISKS & VULNERABILITIES"/>	<p>Mapping of the possible methods & data sources for carrying out a <u>Risk & Vulnerability Assessment</u> conducted</p> <p>Assessment(s) of climate risks & vulnerabilities undertaken</p> <p>Possible sectors of action identified and prioritised</p> <p>Available knowledge periodically reviewed and new findings integrated</p>		500 chars left
STEPS 3 & 4 - Identifying, assessing and selecting adaptation options <input type="button" value="ACTIONS"/>	<p>Full portfolio of adaptation options compiled, documented and assessed</p> <p>Possibilities of <u>mainstreaming adaptation</u> in existing policies and plans assessed, possible synergies and conflicts (e.g. with mitigation actions) identified</p> <p><u>Adaptation Actions</u> developed and adopted (as part of the SECAP and/or other planning documents)</p> <p>Implementation framework set, with clear milestones</p>		500 chars left
STEP 5 - Implementing <input type="button" value="ACTIONS"/>	<p><u>Adaptation actions</u> implemented and mainstreamed (where relevant) as defined in the adopted SECAP and/or other planning documents</p> <p>Coordinated action between mitigation and adaptation set</p>		500 chars left
STEP 6 - Monitoring and evaluating <input type="button" value="INDICATORS"/>	<p>Monitoring framework in place for adaptation actions</p> <p>Appropriate M&E indicators identified</p> <p>Progress regularly monitored and reported to the relevant decision-makers</p> <p><u>Adaptation strategy</u> and/or <u>Action Plan</u> updated, revised and readjusted according to the findings of the M&E procedure</p>		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

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/hide the rows according to your needs

Table 1 Vulnerable sectors

ID#	Sector	Indicator	Measurement unit	Numerical value
1.1	Buildings	Number or % of (public/residential/tertiary) buildings damaged by extreme weather conditions/events	(per year / over a certain period)	
1.2	Transport, Energy, Water, Waste, ICT	Number or % 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-lighters/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	

ⓘ 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	

ⓘ 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 \(ACT Life project, 2013\)](#)

[PP8] Municipality of Vela Luka

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 actions" tab.

1) Type of action

- Mitigation
- Adaptation
- Energy poverty ⓘ Only in combination with "Mitigation" and/or "Adaptation" actions

2) Title of the action Reconstruction of the water supply network

3) Origin of the action Local authority

4) Responsible body Local water supply companies

5) Short description

Number of Municipalities involved: 5 Total number of Municipalities of the target area: 5
 All the municipalities join this action because relevant water supply infrastructure is interconnected and spans over the whole territory irrespective of the administrative borders. The action has the goal to improve the water supply to island population throughout the whole year by reducing water losses in the network.

380 characters left

6) Implementation timeframe

Start:	2021	
End:	2030	

7) Implementation status Not started

8) Stakeholders involved Sub-national governments(s) and/or agency(ies) ⓘ For multiple choice, insert additional rows as needed

8) Stakeholders involved NGOs & civil society

Additional comments

The stakeholders were involved thanks to a specifically designed focus group meeting organized and managed by the Joint Action Coordinator for Climate and Energy and the technical consultant. The role of stakeholders was to present the status of each relevant sector, strengths and weaknesses, issues encountered so far and further challenges as well as their views on possible solutions to improve the situation. Climate change adaptation measures proposed were evaluated according to predefined criteria and discussed till full agreement.

9) Total implementation costs

over 130 000		€
Source of funding		
EU funds and programmes		
Local authority's own resources		
Other		
Investment costs		over 130 000 €
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:	<input type="text"/>	MWh/a
Renewable energy production:	<input type="text"/>	MWh/a
CO ₂ reduction:	<input type="text"/>	tCO ₂ e

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 Droughts and water scarcity ⓘ For multiple choice, insert additional rows as needed

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

20) Outcome(s) reached

Description: The action has the following outcomes: increase of water supply rate on the island and decrease of water losses in the network to at least the percentage of losses on national level. There are expected to be reached thanks to industry post implementation.

Related indicator: Decreased losses in the water supply network to reach at 0% 786 characters left

21) Vulnerable population group(s) targeted All ⓘ 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

ⓘ 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] ⓘ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description:

Related indicator: [Please specify] [numerical value] [Unit] 3000 characters left

Further information

30) Web link

31) Video link

32) Picture [upload]

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: **Education of decision makers on integrated spatial planning**

3) Origin of the action: **Mixed**

4) Responsible body: **Municipalities**

5) Short description: **Number of Municipalities involved: 5 Total number of Municipalities of the target area: 5**
 All the municipalities join this action in order to increase the effectiveness of the measures (e.g. setting up knowledge sharing platform as well as a platform for dialogues when developing projects of common interest, (e.g. infrastructure, irrigation, water supply). The action has the goal to increase the capacities of decision makers with regards to integrative spatial planning as the first step for sustainable development of an area. (63 characters left)

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

7) Implementation status: **Not started**

8) Stakeholders involved: **Sub-national government(s) and/or agency(ies)** ④ For multiple choice, insert additional rows as needed

Additional comments: **The stakeholders were invited thanks to a specifically designed focus group meeting organized and managed by the "Joint Action Coordinator for Climate and Energy" and the external consultant. The role of stakeholders was to present the status of each relevant sector, strengths and weaknesses, issues encountered so far and further challenges as well as their views on possible solutions to improve the situation. Climate change adaptation measures proposed were evaluated according to predefined criteria and discussed till full agreement.**

9) Total implementation costs: **between 12 000 and 35 000 €**

Source of funding: **Local authority's own resources**
 Investment costs: **€**
 Non-investment costs: **between 12 000 and 35 000 €**

A. Mitigation

④ Only for actions addressing mitigation. Click on the [+/-] buttons on the left to expand or collapse.

10) Sector: **Buildings** ⑤ To be filled in only for the concerned sector

Tool / Area of intervention / Policy instrument	Buildings	Public lighting	Transport	Industry	Electricity Production	Heat/cold Production	Other
	[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 CO₂e/a

12) Vulnerable population group(s) targeted: **[drop-down]** ⑥ 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

④ Only for actions addressing adaptation. Click on the [+/-] buttons on the left to expand or collapse.

18) Climate hazard(s) addressed: **Extreme heat** ⑥ For multiple choice, insert additional rows as needed

Extreme cold
 Heavy precipitation
 Floods and sea level rise
 Droughts and water scarcity
 Storms
 Wild fires
 Mass movement
 Other

19) Sector(s): **Land use planning** ⑥ For multiple choice, insert additional rows as needed

20) Outcome(s) reached: **Description: This action has the following outcomes: increased capacities of decision makers and spatial planners with regards to integrative spatial planning which included the aspect of climate change. Its potential impacts and possible approaches. These are expected to be reached thanks to Action's joint implementation.** (59 characters left)
Related indicator: at least one workshop/training held

21) Vulnerable population group(s) targeted: **All** ⑥ 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

④ 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]** ⑥ For multiple choice, insert additional rows as needed

28) Outcome(s) reached: **Description: []** (500 characters left)
Related indicator: [Please specify] [numerical value] [unit]

Further information

30) **Web link:** [www]

31) **Video link:** [www]

32) **Picture:** [upload]

Actions

[HOME](#)

Actions

Ⓢ Only 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: Education of farmers with regards to financial support and entrepreneurial skills

3) Origin of the action: Municipality

4) Responsible body: Municipalities and Department in the Ministry of Agriculture

5) Short description

Number of Municipalities involved: 5 Total number of Municipalities of the target area: 5

All the municipalities join this action in order to increase the effectiveness of the adaptation measure itself, serving as knowledge and experience sharing platform between farmers. The action has the goal to increase the irrigation rate in the target area as well as to increase the share of farmers educated with regards to different aspects of agricultural production (financial support, insurance, irrigation options etc).

Ⓢ 750 character left

6) Implementation timeframe

Start: 2021
End: 2030

7) Implementation status: Ongoing

8) Stakeholders involved

- Business & private sector
- NGOs & civil society
- Citizens

Ⓢ For multiple choice, insert additional rows as needed

Additional comments

The stakeholders were involved thanks to a specifically designed focus group meeting organized and managed by the "Joint Action Coordinator for Climate and Energy" and the external consultant. The role of stakeholders was to present the status of each relevant sector, strengths and weaknesses, issues encountered so far and future challenges as well as the views on possible solutions to improve the situation. Climate change adaptation measures proposed were evaluated according to predefined criteria and discussed till full agreement.

9) Total implementation costs

around 200 000 €

Source of funding

- National funds and programmes
- Local authority's own resources
- EU funds and programmes
- Regional funds and programmes

Investment costs: €

Non-investment costs: around 20 000 annually €

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
[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]	[drop-down]
[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 CO₂e

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] [link]

B. Adaptation

Ⓢ 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

Ⓢ For multiple choice, insert additional rows as needed

19) Sector(s) addressed: Agriculture & forestry

Ⓢ For multiple choice, insert additional rows as needed

20) Outcome(s) reached

Description: This action has the following outcomes: increase of irrigation rate in the target area and increased capabilities of farmers in terms of their entrepreneurial skills (financial possibilities, insurance for extreme weather events, irrigation options, etc). There are expected to be reached thanks to Actions' joint implementation.

Related indicator: at least one workshop/training per year

Ⓢ 750 character left

21) Vulnerable population group(s) targeted: Other

Ⓢ 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] [link]

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]

Ⓢ For multiple choice, insert additional rows as needed

28) Outcome(s) reached

Description: []

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

Ⓢ 1000 character left

Further information

30) Weblink: [www]

31) Video link: [www]

32) Picture: [upload]