

Manual for the use of the “Joint SECAP Support System Platform”

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Climate change monitoring systems put in operation



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Introduction

This manual is a deliverable of the Joint_SECAP project that provides support for the use of the System Platform, available on the website:

<https://joint-secap.unicam.it>

The Platform is a web tool that can be freely consulted by everyone and offers dedicated pages in which the project partners can enter specific data of their target areas.

The system Platform is aimed to support Joint SECAPs implementation all along the SECAPs definition process: from starting-up, to monitoring and planning, including guidance on financing and stakeholder involvement.

The platform will help Joint_SECAP Coordinators at district level and all the municipalities involved, offering easy access to a database of actions already planned by each municipality to be implemented in the Joint SECAPs.

The platform will offer support for three main services:

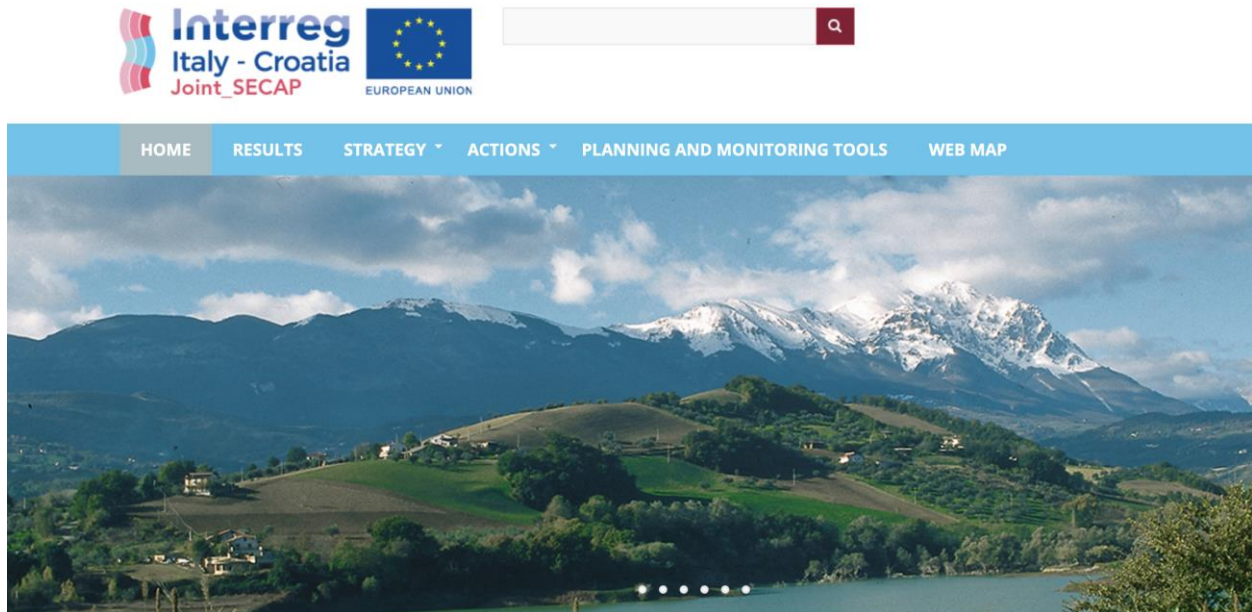
- i) starting up the planning process (collecting case studies, etc.);
- ii) evaluating and monitoring the potential actions to be foreseen in the Joint SECAPs, including the possibility to develop scenarios and to assess the impact of the implemented Joint Actions;
- iii) defining the final measures to be planned at district level and selecting the pilot actions to be implemented in the short term, included the financial resource finding;
- iiii) collecting existing tools selected by partners for planning and assessing and related to adaptation to climate change.

The platform will continue to be implemented even after the project conclusion, helping to implement other planning activities or monitoring and observing assessment. The platform will remain active until 5 years after the project closure and aims also to be a meeting place for local and private stakeholders potentially interested in the developing actions, enabling to foster opportunities for public and private cooperation (private investments, public tenders or other funding opportunities).

1. Home, presentation of Joint_SECAP and Log-In

Presentation Joint_SECAP

The first section is dedicated to the presentation of the project and of the activities, description and purpose of the platform



Joint_SECAP

joint strategies for climate change adaptation in coastal area

Log-In

Each partner will manage one account for their target area. For the first access LP will provide each partner a username and a password for each account. After the first access the partners will be able to reset their password.

Through the account each partner will manage the platform's functions and will be responsible for the entered information, in particular in the strategy and action sections.

Log in

Home

[Log in](#)

[Create new account](#)

[Reset your password](#)

USERNAME

Enter your Joint-SECAP username.

PASSWORD

Enter the password that accompanies your username.

[Log in](#)

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2. Results

Presentation of the project's results and main deliverables

This section contains the main deliverables of the project.

The project's deliverables reported below have been structured through two main phases. The first phase is developed to build the common methodology for Joint Actions definition and implementation and to share the basic knowledge about issues concerning climate change adaptation strategies and energy efficiency measures. A context analysis for each target area prepared the consequent pilot activities, investigating plans and measures already planned for each territory, analysing funding opportunities and describing risks and vulnerabilities at the district level. The web platform is designed to share information, to support planning activities and even to monitor results and ongoing actions. The second phase starts upon the analysis uploaded in the web platform, acting as a useful tool for the development of scenarios for the Joint Actions to be implemented in the Joint_SECAP plans.

The deliverables included in this section are:

WP3 Definition and implementation of a Support and Monitoring Platform for Joint SECAPs

Activity details 3.1 _ Definition of a common methodology

D.3.1 The guidelines manual

Annex - Best practices

Activity details 3.2 _ Context analysis (for each target area)

D.3.2.1 Collection of experiences and plans

D.3.2.2 Climate risks and vulnerabilities for each target area

Activity details 3.3 _ Joint_SECAP Support System Platform definition and implementation

D.3.3. Manual for the use of the "Joint_SECAP Support System Platform"

WP4 Definition and implementation of Joint Actions for Climate Change Adaptation Plans

Activity details 4.1 _ Definition of climate scenarios for each territory

D.4.1.1 Report on the final climate scenario for each district area

D.4.1.2 Report on conclusions proposed during each Focus Group

Activity details 4.2_ Preliminary Strategic Environmental Assessment

D.4.2.1 Guidelines for the application of the SEA to Joint SECAP

D.4.2.2 Preliminary Scoping report for the 9 project district areas

Activity details 4.3_ Joint Action Implementation

D.4.3 Target 9 Joint_SECAP plans

Activity details 4.4_ Capacity Building and Transferring activities

D.4.4 Report about workshop activity of Joint SECAP Coordinators

Results

Home

The project idea reflects the necessity to operate at a wider district level and better define strategies and actions for climate change adaptation, especially for weather, climate changes and hydrogeological risks affecting coastal areas. The project's deliverables reported below are structured through two main phases. The first phase is developed to build the common methodology for Joint Actions definition and implementation and to share the basic knowledge about issues concerning climate change adaptation strategies and energy efficiency measures. A context analysis for each target area prepared the consequent pilot activities, investigating plans and measures already planned for each territory, analysing funding opportunities and describing risks and vulnerabilities at the district level. The second phase starts upon these analysis uploaded in the web platform, acting as a useful tool for the development of scenarios for the Joint Actions to be implemented in the Joint SECAP plans. The web platform is designed to share information, to support planning activities and even to monitor results and ongoing actions.

[Activity details 3.1 _ Definition of a common methodology](#)

D.3.1 The guidelines manual

+

Annex - Best practices

+

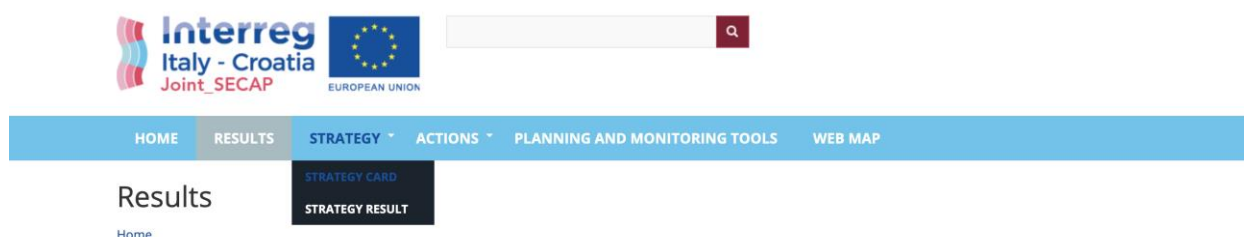
[Activity details 3.2 _ Context analysis \(for each target area\)](#)

3. Strategy

Strategy Card

This first part provides an overview of your overall strategy. If you have carried out a SECAP for 2030, this part addresses both your mitigation and adaptation strategies.

In this section Partners can provide information also related to SEAPs that single Municipalities of their target area may have approved in the past.



From the "STRATEGY" pull-down menu click on "STRATEGY CARD" if you want to insert a new strategy or on "strategy result" if you want to display the list of strategies loaded on the platform.

General Info

HOME RESULTS STRATEGY ACTIONS PLANNING AND MONITORING TOOLS WEB MAP

View
Results

STRATEGY CARD

STRATEGY RESULT

1
GENERAL INFO

2
STRATEGY

3
Mitigation

4
Adaptation

5
Preview

6
Complete

DESCRIPTION OF STRATEGY ?

INSTITUTION TYPE ?

Municipality ?

Associative Form ?

Institution type: indicates whether the entity in charge of the plan is 'Municipality' or an 'Association Form'

ADDRESS/CITY/PROVINCE/REGION

Enter a location

State/Province

Country

DESCRIPTION OF STRATEGY

Please define here the long-term vision that will shape the climate and sustainable energy future of your municipality. This should include information regarding key milestones, priority sectors, desired (social/environmental/economic) outcomes and potential benefits or opportunities.

INSTITUTION TYPE

Please indicate the entity in charge of the Strategy is 'Municipality' or an 'Associative Form'.

ADDRESS

Please insert the address of the Municipality. If it is an Associative Form, enter the leading city of the strategy. The platform provides an automatic compilation service based on the online database, once you enter the address or the name of the city.

Note that this field is mandatory. The address that is inserted in the strategy sheet is automatically added to the list of strategies displayed on the web-map page.

ADDRESS/CITY/PROVINCE/REGION

STATE/PROVINCE


COUNTRY

Next >

Strategy

HOME RESULTS STRATEGY ▾ ACTIONS ▾ PLANNING AND MONITORING TOOLS WEB MAP

View Results



INSERTION STATUS ?

Draft ?

Confirmed ?

Insertion Status: indicates whether the strategy is provisional (Draft) or confirmed (Confirmed)

TYPE OF PLAN ?

Single municipality ?

Joint ?

Plan Type: the 'Single municipality' data is displayed when the plan belongs to a single municipality, 'Joint' in the other cases.

TITLE PLAN ?

Title: it is the descriptive title of the plan.

STATUS OF PLAN ?

APPROVED

UNAPPROVED

Approved SECAP: indication of whether the SECAP has been approved or not.

APPROVAL DATE ?

Approval Date: date of the approval resolution of the SECAP if the user has checked the "approved SECAP" box.

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Next >

INSERTION STATUS

Please indicate the strategy's status: Draft if it is provisional or confirmed if it is definitive.

TYPE OF PLAN

You can both enter SEAPs adopted or approved by the single Municipalities of the selected target area, or the Joint SECAP in progress related to the entire target area. Note that this field is mandatory.

For SEAPs click on Single municipality, for JOINT SECAPs click on Joint.

TITLE PLAN

Enter the full title of the plan. Note that this field is mandatory.

PLEASE NOTE: Enter the official title of the plan. You should enter this same title in the TITLE PLAN field of the ACTION CARD

STATUS OF THE PLAN

Please select whether your SECAP/SEAP has been approved or not.

APPROVAL DATE

Enter the date of the SECAP/SEAP approval in case you have checked the "approved" box.

PLEASE NOTE: If you are filling in the data of a JOINT SECAP / SEAP enter the approval date for the lead municipality.

Mitigation

STRATEGY

Home

View Results



REFERENCE YEAR [?]

Reference Year: is the reference year of the plan.

CO₂eq EMISSION (%) [?] 50 CO₂

CO₂eq emissions

CO₂eq EMISSION ABSOLUTE REFERENCE YEAR [?] Mt CO₂

CO₂eq emissions Absolute Reference Year [t]: indication of emissions in the reference year in absolute value.

CO₂eq PRO CAPITA EMISSION PER YEAR[t] [?] Mt 100 CO₂

CO₂eq pro capita Emissions Per Year [t]: indication of pro capita emissions in the reference year (value required only if a pro capita reduction target has been chosen)

< Previous Next >

REFERENCE YEAR

Please provide the reference of the target year you selected.

PLEASE NOTE: enter the last day of the reference year.

CO₂EQ EMISSION

The first fields refer to your overall mitigation target(s), which is expressed in percentage of CO₂ emissions reduction. Your target should be a minimum 40% reduction by 2030. If you have adopted as well the Covenant commitments for 2020, then you can include your 2020 target which shall correspond to a minimum 20% reduction.

CO2EQ EMISSION ABSOLUTE REFERENCE YEAR [T]

The target can be set as an absolute reduction (percentage of quantity of CO₂ emissions in the baseline year) or as a per capita reduction. In the latter, the emissions of the baseline year are divided by the number of inhabitants in the same year, and the percentage emission reduction target is calculated on that basis. The per capita approach is generally opted to facilitate progress tracking when population is foreseen to change significantly. Select the option corresponding to your choice.

CO2EQ PRO CAPITA EMISSION PER YEAR [T]

In case you have a longer-term target, i.e. beyond 2030, you can as well specify your reduction target, including the time horizon to which the target refers. Please note that the commitment taken within the Covenant framework is linked to EU targets in 2030 (and 2020), therefore the CO₂ reduction target has to be defined for those years.


Adaptation (only with SECAP)

HOME RESULTS STRATEGY ▾ ACTIONS ▾ PLANNING AND MONITORING TOOLS WEB MAP

STRATEGY

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GOAL ?

Please outline your adaptation strategy goals (if any). Feel free to add as many goals as necessary and be as specific as possible. One goal is mandatory and additional adaptation goals are optional.

UNIT ?

Specify the unit (as applicable)

TARGET YEAR ?

Please include the target year if applicable, either in descriptive or in quantitative terms

BASE YEAR ?

Please include the base year if applicable, either in descriptive or in quantitative terms

GOAL / UNIT / TARGET YEAR / BASE YEAR

Please outline your municipality’s adaptation goals (if any). Feel free to add as many goals as necessary and be as specific as possible. One goal is mandatory and additional adaptation goals are optional. For the main goal, specify the unit, target and baseline years.

Specify target and base year if applicable for your key objective, either in descriptive or in quantitative terms.

PLEASE NOTE: For the Target Year enter the last day of the year.

PROGRESS TOWARDS THE TARGET

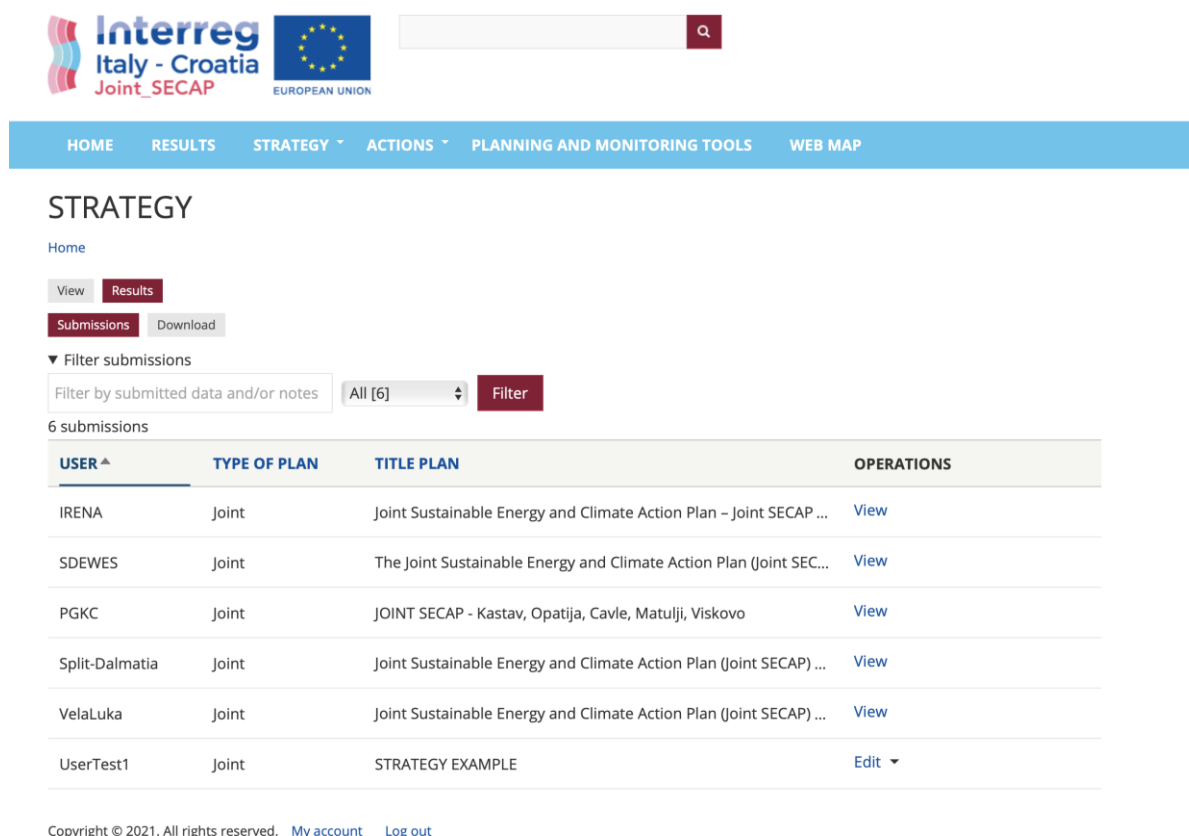
Please select the achieved progress: on track, ongoing, achieved, adjusted, etc.

Strategy Result

This section provides a summary of the STRATEGY CARDS entered by each partner.

The table shows:

- User: the partner who entered the strategy;
- Type of Plan: if the Plan is a SEAP approved by the single Municipalities or if it is a Joint SECAP
- Title plan: the full title of the insert plan
- Operation:
 - View: everyone can view the inserted cards without making any changes.
 - Edit: the partner who entered the Strategy Card can edit the content.



The screenshot shows the website interface for the STRATEGY section. At the top, there are navigation tabs: HOME, RESULTS, STRATEGY (selected), ACTIONS, PLANNING AND MONITORING TOOLS, and WEB MAP. Below the navigation, the page title is "STRATEGY" with a "Home" link. There are buttons for "View", "Results", "Submissions", and "Download". A "Filter submissions" section includes a search box "Filter by submitted data and/or notes", a dropdown menu set to "All [6]", and a "Filter" button. Below this is a table with 6 submissions. The table has columns: USER, TYPE OF PLAN, TITLE PLAN, and OPERATIONS. The last row, "UserTest1", has an "Edit" button with a dropdown arrow.

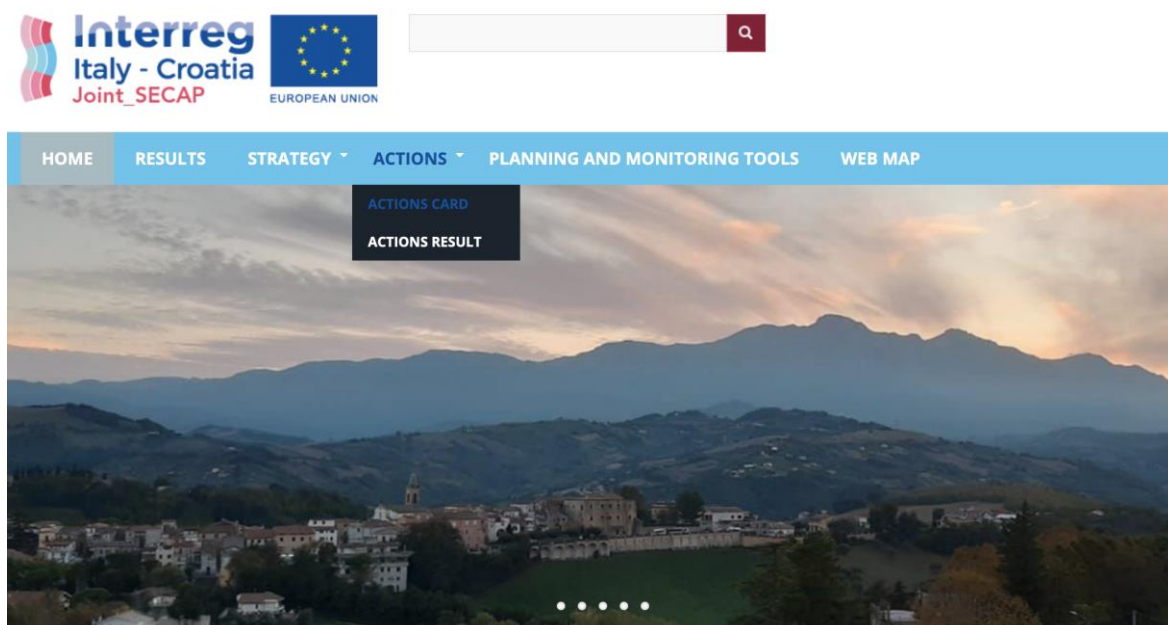
USER	TYPE OF PLAN	TITLE PLAN	OPERATIONS
IRENA	Joint	Joint Sustainable Energy and Climate Action Plan – Joint SECAP ...	View
SDEWES	Joint	The Joint Sustainable Energy and Climate Action Plan (Joint SEC...	View
PGKC	Joint	JOINT SECAP - Kastav, Opatija, Cavle, Matulji, Viskovo	View
Split-Dalmatia	Joint	Joint Sustainable Energy and Climate Action Plan (Joint SECAP) ...	View
VelaLuka	Joint	Joint Sustainable Energy and Climate Action Plan (Joint SECAP) ...	View
UserTest1	Joint	STRATEGY EXAMPLE	Edit ▼

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4. Actions

Action Cards

This function allows partners to create, view and edit a new action card for the institution. All of the action sheets of a given institution refer to the one Plan Strategy that can be created for the institution itself.



General Info



PLAN ?

SECAP OR SEAP TYPE ?

SECAP TYPE: THE 'SINGLE MUNICIPALITY' DATA IS DISPLAYED WHEN THE PLAN BELONGS TO A SINGLE MUNICIPALITY, 'JOINT' OTHERWISE.

SHEET TYPE ?

SHEET TYPE: INDICATES WHETHER THE SHEET IS 'QUANTIFIABLE' OR NOT IN TERMS OF CO2EQ REDUCTIONS AND / OR RENEWABLE ENERGY PRODUCTION AND / OR ENERGY SAVINGS

PLAN

Please insert the title of PLAN to which the sheet refers.

PLEASE NOTE: Enter the official title of the plan entered in the PLAN TITLE field of the STRATEGY CARD.

SECAP OR SEAP TYPE

Please, provide information regarding:

-If the action is related to a SEAP, a single municipality or to a Joint SECAP.

SHEET TYPE:

Please, select if the action is quantifiable or not.

TITLE

Please, enter the full title of the action. Note that this field is mandatory.

TYPE OF INSTITUTION

Please, specify if the type of institution involved for the action refers to a single Municipality or to an associative form.

In case of “associative form” please indicate the name of the involved institutions in the involved institutions field.

ADDRESS

Please insert the address of the Municipality. In the case of joint action, the address is referred to the joint leader. The platform provides an automatic compilation service based on the online database, once you enter the address or the name of the city.

Note that this field is mandatory. The address that is inserted in the action sheet is automatically added to the list of actions displayed on the web-map page.

Please note that if the action concerns the entire municipal territory of the single Municipality or of all the Municipalities involved in associative form, enter the address of the city hall (in the case of a single Municipality) or enter the city hall address of the leading municipality leader (in case of associative form).

TITLE ?

TITLE: IT IS THE DESCRIPTIVE TITLE OF THE ACTION SHEET.

TYPE OF INSTITUTION ?

MUNICIPALITY

ASSOCIATIVE FORM

TYPE OF INSTITUTION: INDICATES WHETHER THE ENTITY IN CHARGE OF THE PLAN IS 'MUNICIPALITY' OR AN 'ASSOCIATION FORM'

ADDRESS/CITY/PROVINCE/REGION

STATE/PROVINCE

COUNTRY

Next >

TYPE OF INSTITUTION ?

MUNICIPALITY

ASSOCIATIVE FORM

TYPE OF INSTITUTION: INDICATES WHETHER THE ENTITY IN CHARGE OF THE PLAN IS 'MUNICIPALITY' OR AN 'ASSOCIATION FORM'

INVOLVED INSTITUTIONS ?

Actions

Mitigation and adaptation actions should be looked at through a Climate Change lens, to understand if they themselves are vulnerable to the impacts of Climate Change and/or they can influence the vulnerability of natural and human systems to Climate Change. The key actions should be implemented within the prioritized hotspots of vulnerability and risk in order to reduce the probability of high losses and damages.

There is no limit to the number of actions you can report in MyCovenant. It is highly recommended, however, that the reported actions address the main sources of emissions and the climate hazards or vulnerable sectors identified through the emission inventory and the RVA.

The minimum requirements for actions reported in MyCovenant are as follows: at least 3 key actions addressing mitigation, to be reported within 2 years. At least 3 key actions addressing adaptation, to be reported within 4 years. At least 1 key action addressing energy poverty, to be reported within 4 years. Key actions are published on the Covenant of Mayors website. The minimum "Covenant of Mayor" requirement for a JOINT SECAP between Municipalities is to have at least one joint action of the least 3 mitigation and 3 adaptation actions required for a SECAPs. If there will be only one joint action it will be mandatory to involve all of the Municipalities of the target area. In addition to this, the same group of stakeholders for each Municipality should be involved in order to have the same type of information.

ACTIONS

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TYPE OF ACTION

MITIGATION	ADAPTATION
ENERGY POVERTY	

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

TITLE OF THE ACTION

TYPE OF ACTION

Indicate whether the action tackles mitigation only or adaptation only or it is an integrated action, tackling several energy/climate aspects. Note that for the time being energy poverty can only be selected in combination with mitigation and/or adaptation and not on its own. The following combinations for integrated actions are possible:

- Mitigation and adaptation
- Mitigation and energy poverty
- Adaptation and energy poverty
- Mitigation and adaptation and energy poverty

When one key action covers more than one area (e.g. mitigation and adaptation), it is deemed to satisfy the minimum requirements for key actions for both mitigation and adaptation actions.

TITLE OF ACTION

Please specify a short descriptive title for your action. Note that this field is mandatory for key action.

ORIGIN OF THE ACTION

LOCAL AUTHORITY COVENANT COORDINATOR OR SUPPORTER NATIONAL REGIONAL MIXED OTHER...

RESPONSIBLE BODY

SHORT DESCRIPTION

ORIGIN OF THE ACTION

Please select whether the action has been initiated from one of the following: the local authority; a Covenant coordinator or supporter; national entity; regional entity; mixed origin; other. This field intends to appraise how your action is dependent on other levels of policy decision.

RESPONSIBLE BODY

Specify the body responsible for the action, e.g. a specific department in the municipality; name of Covenant coordinator/supporter; name of national ministry; regional agency, etc. These might also be third Parties, such as energy utilities, local agencies, etc.

SHORT DESCRIPTION OF THE ACTION

Specify the nature of the action, its scope and any information which could provide a relatively good understanding of the action. Note that this field is mandatory for key actions. Note that this field is mandatory for key action.

IMPLEMENTATION TIMEFRAME (START/END)

Select the year when the action started/is planned to start and the year when it ended/is planned to end. enter the start date on the top line, and the final date by clicking on the "+" button.

PLEASE NOTE: For the year in which the action ends, you can enter the last day of that year.

IMPLEMENTATION TIMEFRAME (START-END)

+
-

Add

IMPLEMENTATION STATUS

Please select in the drop-down menu the implementation status of the action: not started, ongoing, completed, cancelled.

STAKEHOLDERS INVOLVED

Please select all the relevant stakeholders involved in the action. Include any additional information in the following comments box. Note that this field is mandatory for key action.

IMPLEMENTATION STATUS

- NOT STARTED
 ONGOING
 COMPLETED
 CANCELLED

STAKEHOLDERS INVOLVED

- National government and/or agency(ies)
- Sub-national governments(s) and/or agency(ies)
- Business & private sector
- Academia
- Education sector
- NGOs & civil society
- Trade unions
- Citizens

ADDITIONAL COMMENTS

ADDITIONAL COMMENTS

The role of stakeholders, citizens and their associations, is to be involved in the communication campaign in order to increase their knowledge and to improve the local resilience thanks to the change of behaviour and knowledge about how to adapt to climate change effects. Please specify here how stakeholders and citizens will be involved in implementation of your action (i.e. which participation methods – public consultation, working groups, forum, workshops, meeting with other municipalities). If the stakeholders will be engaged thanks to dissemination material, news on websites, social networks' posts.

TOTAL IMPLEMENTATION COSTS

Please specify the total (planned) implementation cost for the action in Euro. Note that this field is mandatory for key actions. The implementation cost refers to the capital required or amount invested to implement the action plus the associated operational and running costs involved in the implementation timeframe of such an action. Please select from the drop-down menu the source of funding. The implementation cost includes both: investment and non-investment costs. This information will provide some indications on which are the most cost-effective actions.

TOTAL IMPLEMENTATION COSTS

SOURCE OF FUNDING

- LOCAL AUTHORITY'S OWN RESOURCES
- REGIONAL FUNDS AND PROGRAMMES
- NATIONAL FUNDS AND PROGRAMMES
- EU FUNDS AND PROGRAMMES
- PUBLIC-PRIVATE PARTNERSHIPS
- PRIVATE PARTNERSHIPS
- OTHER...

INVESTMENT COSTS:

NON-INVESTMENT COSTS:

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SOURCE OF FUNDING

Please select in the menu the source(s) of funding from the following: local authority's own resources; regional funds and programmes; national funds and programmes; EU funds and programmes; public-private partnerships; private partnerships (e.g. a combination of private investments); other.

INVESTMENT COSTS

Please specify the investment cost in Euro. This cost is the cost of additional investment linked to the improvement of efficiency or reduction of CO2.

NON- INVESTMENT COSTS

Please specify the investment cost in Euro. Non-investment costs are the additional costs not related to the financing of the measure. These relate to the costs incurred to keep an item in good condition and/or good working order.

Mitigation

To comply with the minimum requirements, at least three key mitigation actions must be reported within two years after joining the initiative. Also, mitigation actions must cover at least two out of three key mitigation sectors selected in the emission inventory.

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SECTOR

- MUNICIPAL BUILDINGS, EQUIPMENT/FACILITIES
- TERTIARY (NON MUNICIPAL) BUILDINGS, EQUIPMENT/FACILITIES
- RESIDENTIAL BUILDINGS
- INDUSTRY
- TRANSPORT
- WASTE
- LOCAL ELECTRICITY PRODUCTION
- LOCAL HEAT/COLD PRODUCTION
- OTHER...

SECTOR

Please select the sector addressed by the action. The list of sectors is identical to the sectors in the Emission Inventory. Note that this field is mandatory for key actions.

TOOL / AREA OF INTERVENTION:

BUILDINGS

- None -

PUBLIC LIGHTING

- None -

TRANSPORT

- None -

INDUSTRY

- None -

ELECTRICITY PRODUCTION

- None -

HEAT/COLD PRODUCTION

- None -

OTHER

- None -

TOOL / AREA OF INTERVENTION

Select the most relevant tool/area of intervention for the selected sector.

POLICY INSTRUMENT:

BUILDINGS

- None -

PUBLIC LIGHTING

- None -

TRANSPORT

- None -

INDUSTRY

- None -

ELECTRICITY PRODUCTION

- None -

HEAT/COLD PRODUCTION

- None -

OTHER

- None -

POLICY INSTRUMENT (BUILDINGS - PUBLIC LIGHTING)

Select the most relevant policy instrument for buildings, public lighting, transport, industry, electricity production, heat/cold production and other.

ESTIMATED IMPACTS - ENERGY SAVINGS (MWH/A)

Please specify the energy savings from this action in MWh/year. Note that this field is mandatory for key actions.

ESTIMATED IMPACTS - RENEWABLE ENERGY PRODUCTION (MWH/A)

Please specify the renewable energy produced from this action in MWh/ year. Note that this field is mandatory for key actions.

ESTIMATED IMPACTS - CO2 REDUCTION (T CO2/A)

Please specify the CO2 reduction from this action in t CO2/ year. Note that this field is mandatory for key actions.

ESTIMATED IMPACTS:

ESTIMATED IMPACTS - ENERGY SAVINGS (MWH/A)

ESTIMATED IMPACTS - RENEWABLE ENERGY PRODUCTION (MWH/A)

ESTIMATED IMPACTS - CO2 REDUCTION: (T CO2/A)

FINANCIAL SAVINGS (€)

LIFE EXPECTANCY OF THE ACTION

RETURN ON INVESTMENT (%)

FINANCIAL SAVINGS (EURO)

Please specify the sum of yearly energy saved times price of energy, in Euro.

LIFE EXPECTANCY OF THE ACTION

Please specify the number of years over which the action generates energy and emission savings. This field can range from 1 to 35 years.

RETURN ON INVESTMENT (%)

Please specify the gain or loss generated on an investment relative to the amount of money invested, as a percentage. Expected discounted financial savings minus discounted investment /divided by discounted investment *100.

VULNERABLE POPULATION GROUP(S) TARGETED

Please select the vulnerable population group(s) targeted through this action (multiple selections possible).

<input type="checkbox"/>	VULNERABLE POPULATION GROUP(S) TARGETED
<input type="checkbox"/>	Women Girls
<input type="checkbox"/>	Children
<input type="checkbox"/>	Youth
<input type="checkbox"/>	Elderly
<input type="checkbox"/>	Marginalized groups
<input checked="" type="checkbox"/>	Persons with disabilities
<input type="checkbox"/>	Persons with chronic diseases
<input type="checkbox"/>	Low-income households
<input type="checkbox"/>	Unemployed persons
<input checked="" type="checkbox"/>	Persons living in sub-standard housing
<input type="checkbox"/>	Migrants and displaced people
<input type="checkbox"/>	Other

JOBS CREATED

Please specify the number of direct new jobs created, in full-time equivalent

OTHER FIGURES

Use these fields to specify any other relevant figures, e.g. the size of a building in m2, the length of a bicycle path in km, etc.

JOBS CREATED

A. OTHER FIGURES ?

[PLEASE SPECIFY]	[NUMERIAL VALUE]	[UNIT]
<input type="text"/>	<input type="text"/>	<input type="text"/>

Add

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Adaptation

To comply with the minimum requirements, at least three key adaptation actions must be reported within four years after joining the initiative. It is strongly recommended that adaptation actions address the most relevant climate hazards and vulnerable sectors identified in the RVA.

CLIMATE HAZARD(S) ADDRESSED

Please select all the climate hazards addressed by the action. The list of climate hazards is identical to the climate hazards in the RVA. Note that this field is mandatory for key actions.

PLEASE NOTE: If you click Other, specify the new climate hazard in the description field.

ACTIONS

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<input type="checkbox"/>	CLIMATE HAZARD(S) ADDRESSED
<input type="checkbox"/>	Extreme heat
<input type="checkbox"/>	Extreme cold
<input type="checkbox"/>	Floods and sea level rise
<input type="checkbox"/>	Droughts and water scarcity
<input type="checkbox"/>	Storms
<input type="checkbox"/>	Mass movement
<input type="checkbox"/>	Wild fires
<input type="checkbox"/>	Heavy precipitation
<input type="checkbox"/>	Other

SECTORS

Please select the sector(s) addressed by the action (multiple selections possible). The list of sectors is identical to the sectors in the RVA. Note that this field is mandatory for key actions.

<input type="checkbox"/> SECTOR(S)
<input type="checkbox"/> Buildings
<input type="checkbox"/> Transport
<input type="checkbox"/> Energy
<input type="checkbox"/> Water
<input type="checkbox"/> Waste
<input type="checkbox"/> Land use planning
<input type="checkbox"/> Agriculture & forestry
<input type="checkbox"/> Environment & biodiversity
<input type="checkbox"/> Health
<input type="checkbox"/> Civil protection & emergency
<input type="checkbox"/> Tourism
<input type="checkbox"/> Education
<input type="checkbox"/> ICT (Information & communication technologies)

OUTCOME(S) REACHED - DESCRIPTION

Please specify the main outcome(s) of the action. In case there are none yet, specify the expected outcomes. Note that the field 'Outcomes reached' is mandatory for key actions.

Please specify an indicator for the most significant outcome, including its value, and associated unit.

OUTCOME(S) REACHED - RELATED INDICATOR

Please specify an indicator for the most significant outcome, including its value, and associated unit.

C. OUTCOME(S) REACHED - DESCRIPTION:

C. OUTCOME(S) REACHED - RELATED INDICATOR:

[PLEASE SPECIFY]	[NUMERIAL VALUE]	[UNIT]
<input type="text"/>	<input type="text"/>	<input type="text"/>

Add

< Previous

Preview

VULNERABLE POPULATION GROUP(S) TARGETED

Please select the vulnerable population group(s) targeted through this action (multiple selections possible). Note that this field is mandatory for key actions.

<input type="checkbox"/> B.VULNERABLE POPULATION GROUP(S) TARGETED
<input type="checkbox"/> Women Girls
<input type="checkbox"/> Children
<input type="checkbox"/> Youth
<input type="checkbox"/> Elderly
<input type="checkbox"/> Marginalized groups
<input type="checkbox"/> Persons with disabilities
<input type="checkbox"/> Persons with chronic diseases
<input type="checkbox"/> Low-income households
<input type="checkbox"/> Unemployed persons
<input type="checkbox"/> Persons living in sub-standard housing
<input type="checkbox"/> Migrants and displaced people
<input type="checkbox"/> Other

AVOIDED COST

Please specify the approximate (expected) avoided damage costs or the accrued benefits following the implementation of the adaptation action, in Euro.

LIFE EXPECTANCY OF THE ACTION

Please specify the number of years over which the action helps to avoid costs.

RETURN ON INVESTMENT

Please specify the ratio of money gained or lost on the investment relative to the amount invested, as a percentage. Expected discounted financial savings minus discounted investment/divided by discounted investment *100.

JOBS CREATED

Please specify the number of direct new jobs created, in full-time equivalent.

OTHER FIGURES

Use these fields to specify any other relevant figures.

AVOIDED COST

B.LIFE EXPECTANCY OF THE ACTION

B RETURN ON INVESTMENT (%)

B JOBS CREATED

full-time equivalent

B. OTHER FIGURES

[PLEASE SPECIFY]

[NUMERIAL VALUE]

[UNIT]



Add

< Previous

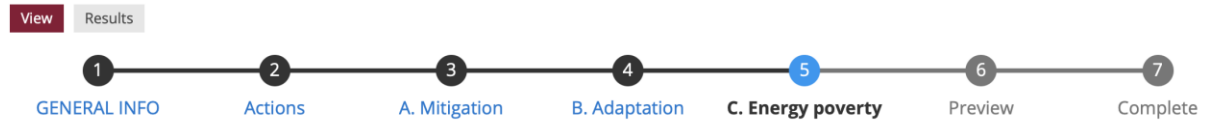
Next >

Energy Poverty

To comply with the minimum requirements, at least one key energy poverty action must be reported within four years after joining the initiative. Note that for the time being energy poverty can only be selected in combination with mitigation and/or adaptation, not on its own.

Key Actions

[Home](#)



VULNERABLE POPULATION GROUP(S) TARGETED:

Please select (drop-down selection) the vulnerable population group(s) targeted through this action (multiple selections possible). Note that this field is mandatory for key actions.

C VULNERABLE POPULATION GROUP(S) TARGETED

Women 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

C. OUTCOME(S) REACHED - DESCRIPTION:

C. OUTCOME(S) REACHED - RELATED INDICATOR:

[PLEASE SPECIFY]	[NUMERIAL VALUE]	[UNIT]
<input type="text"/>	<input type="text"/>	<input type="text"/>

Add

< Previous

Preview

OUTCOME(S) REACHED - DESCRIPTION

Please specify the main outcome(s) of the action. In case there are none yet, specify the expected outcomes. Note that the field 'Outcomes reached' is mandatory for key actions.

Please specify an indicator for the most significant outcome, including its value, and associated unit.

Action Result

This section provides a summary of the ACTION CARDS entered by each partner.

The table shows:

- User: the partner who entered the Action, referred to the specific target area;
- Type of Action: if the key action concerns MITIGATION, ADAPTATION, ENERGY POVERTY measures;
- Title of the action: the full title of the inserted action
- Operation:
View: everyone can view the inserted cards without making any changes.
Edit: the partner who entered the Action Card can edit the content.

[HOME](#) [RESULTS](#) [STRATEGY](#) [ACTIONS](#) [PLANNING AND MONITORING TOOLS](#) [WEB MAP](#)

ACTIONS

Home

[Submissions](#) [Download](#)

▼ Filter submissions

Filter by submitted data and/or notes All [4] [Filter](#)

4 submissions

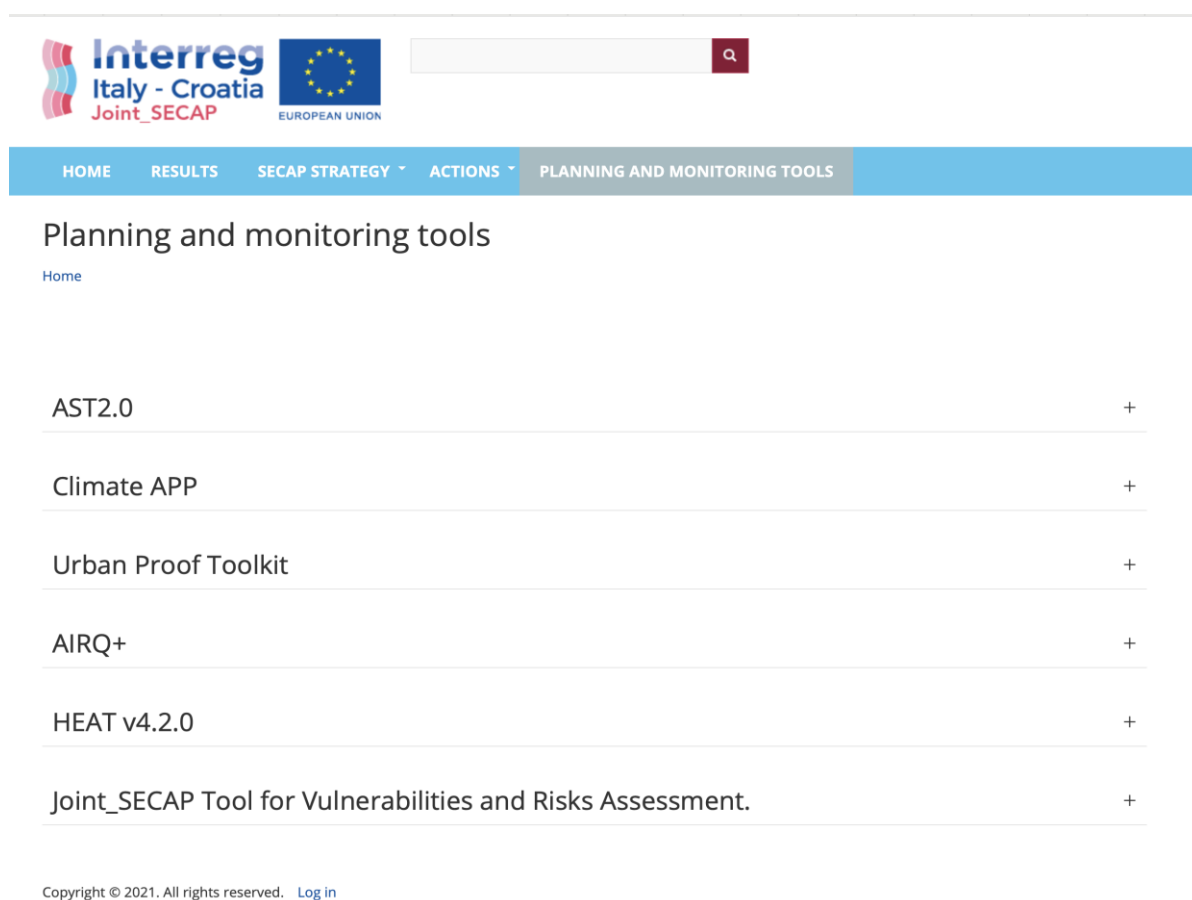
USER ^	TITLE OF THE ACTION	TYPE OF ACTION	OPERATIONS
SDEWES	JOINT ACTION	Mitigation, Adaptation	View
SDEWES	JOINT ACTION	Adaptation	View
SDEWES	JOINT ACTION	Adaptation	View

5. Planning and Monitoring Tools

This section is dedicated to support tools for planning and assessing impacts:

- Access to tools selected by partners;
- Links to projects and tools for energy and climate planning.

For each tool, the platform provides a brief description, the link to the web site, the institution that produced it and if the tool is supplied with a manual.



The screenshot shows the website's navigation menu with 'PLANNING AND MONITORING TOOLS' selected. Below the menu, the page title is 'Planning and monitoring tools' with a 'Home' link. A list of tools is displayed, each with a plus sign on the right:

- AST2.0
- Climate APP
- Urban Proof Toolkit
- AIRQ+
- HEAT v4.2.0
- Joint_SECAP Tool for Vulnerabilities and Risks Assessment.

At the bottom of the page, there is a copyright notice: 'Copyright © 2021. All rights reserved. [Log in](#)'.

The list below details the tools:

AST2.0

It is an adaptation support tool to explore climate change adaptation measures in an urban area. The tool allows the user to select an urban area, to draw adaptation options for flooding, drought and urban heat on a map, to compare adaptation options with regard to their effectiveness, and to calculate the distance to a pre-determined target. It is especially useful in stakeholder group meetings, and can be run on a touch table.

Climate APP

The app includes 120 concrete climate adaptation measures. Users can filter these measures by choosing criteria on climate adaptation target and local conditions like soil type, land use, landscape conditions and user preferences. The information can be used as information and inspiration in a new development, redevelopment or renovation project. Because of the simple and fast results, it is possible to apply the app in workshops and training settings to explore different climate change adaptation measures.

Urban Proof Toolkit

The toolkit is a powerful decision support system aimed to enable better informed decision making for climate change adaptation planning. In specific, the user is guided through the different features of the toolkit in order to gain insight into the climate change impacts to the urban environment, to explore and evaluate the available adaptation options and to investigate the effect of adaptation interventions in increasing climate change resilience. Higher resolution data are provided in the cases of the municipalities of the LIFE URBANPROOF project. The toolkit consists of 5 interdependent modules/stages. The second stage: Impact assessment is available for all Italian urban municipalities.

AIRQ+

AirQ+ includes methodologies to assess the impacts of short and long-term exposure to ambient air pollution. The main methodologies use evidence generated by epidemiological cohort studies showing a relationship between average long-term air pollution concentration levels and the mortality risks in exposed populations. Assessing the impact of air pollution is suggested when evaluating the consequences of policies and interventions or of hypothetical scenarios. AirQ+ should always be used with the support of an epidemiologist or air pollution impact assessment expert.

HEAT v4.2.0

It is a practical tool for the economic assessments of the health effects (a) from cycling and (b) from walking. This simple, online tool is intended for a wide variety of professionals working in the field of transport, walking, cycling, or the environment. HEAT calculates the answer to the following question: if x people cycle or walk y distance on most days, what is the economic value of mortality rate

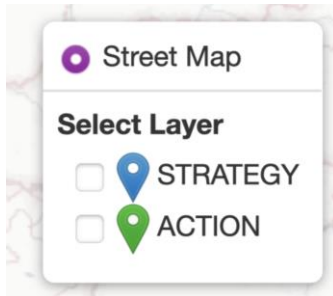
improvements? It facilitates population-wide assessment, translating the effects of active mobility measures into a quantitative evidence-based, evaluation.

Joint_SECAP Tool for Vulnerabilities and Risks Assessment

This is the tutorial prepared by the Joint_SECAP Project for the Assessment of Risks and Vulnerability, in application of the Methodology. The attached tutorial explains step by step the operations to be done.

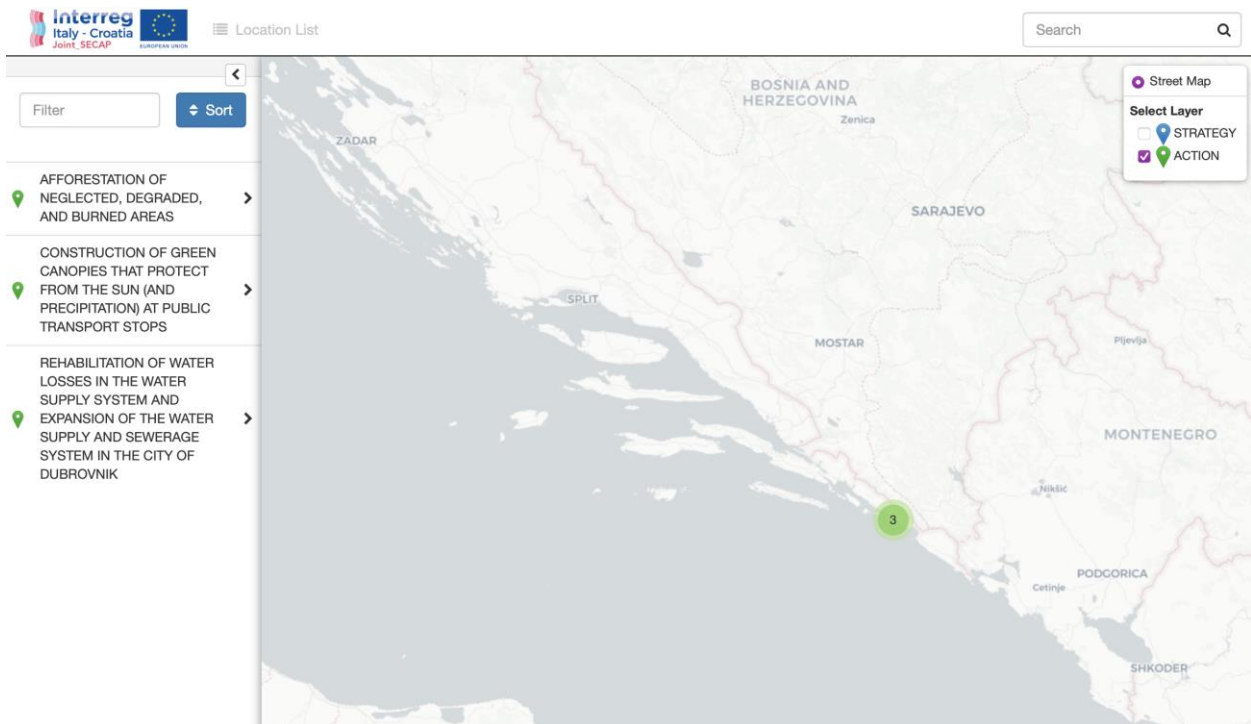
6. Web Map

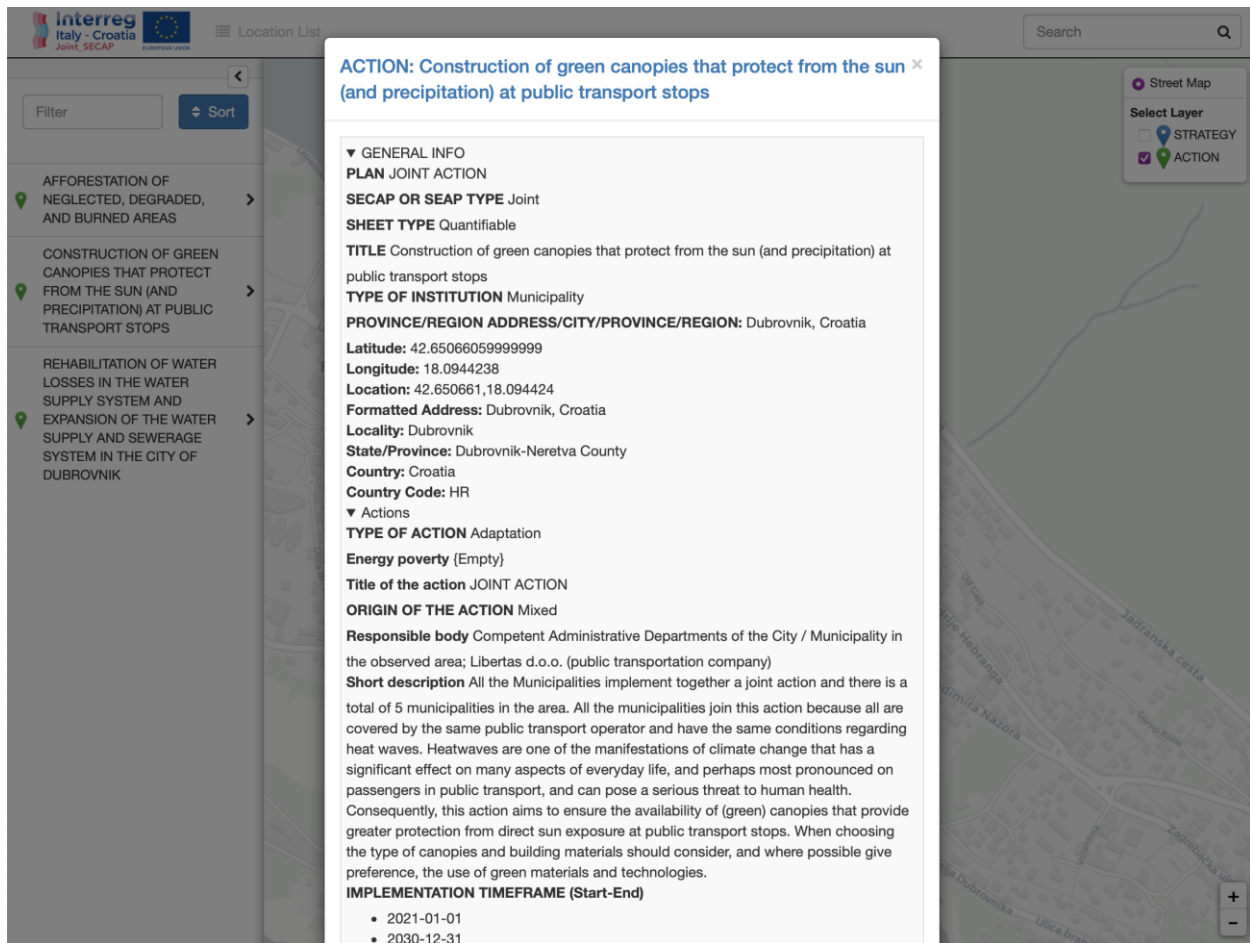
This section provides the geolocation of strategies and actions previously described in the platform.



The map displays the and actions with a blue pinpoint the strategies and with a green one the actions.

In the left column it is possible to view the list of inserted cards.





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

▼ GENERAL INFO

PLAN JOINT ACTION

SECAP OR SEAP TYPE Joint

SHEET TYPE Quantifiable

TITLE Construction of green canopies that protect from the sun (and precipitation) at public transport stops

TYPE OF INSTITUTION Municipality

PROVINCE/REGION ADDRESS/CITY/PROVINCE/REGION: Dubrovnik, Croatia

Latitude: 42.65066059999999

Longitude: 18.0944238

Location: 42.650661,18.094424

Formatted Address: Dubrovnik, Croatia

Locality: Dubrovnik

State/Province: Dubrovnik-Neretva County

Country: Croatia

Country Code: HR

▼ Actions

TYPE OF ACTION Adaptation

Energy poverty (Empty)

Title of the action JOINT ACTION

ORIGIN OF THE ACTION Mixed

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

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.

IMPLEMENTATION TIMEFRAME (Start-End)

- 2021-01-01
- 2030-12-31

Users can move the pointer on the pinpoints on the map and select one of them. At that point the platforms will display the selected card as shown in the example above.

Please note that it is possible to search through the keyword filter contained in the action's (or strategy's) title.



To go back to the other sections of the platform click on the Joint_SECAP-Interreg logo, on the left side on the top.

