

Green Living Areas Thematic Community

Kick-off event
11th of April 2024

What's new for Green Living Areas?



**Green living
areas**

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Euro-MED**



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What's new for Green Living Areas?

Chairwoman: Alexia Boulanger, Environment Park

- 9.15 – 9.30:** Welcome from Davide Damosso - Environment Park, Judith Cazas – Interreg EURO-MED Programme and Danilo Ceh – C4LA lead Partner
- 9.30 – 11.00:** Session 1 – Resilient territories: tools, plans, and strategies
Moderator: Miljenko Sedlar, REGEA, Head of Climate
- 11.00 – 11.30:** Coffee Break
- 11.30 – 13.15:** Session 2 - Launch of the Institutional Dialogue Process: a collaboration to shape Policies for Green Living Areas
Moderator: Bernard Massabo, Secretary-General of the Euromed Cities Network, Nice Côte d'Azur Metropolis and D4LA project Lead Partner
- 13.15 – 14.30:** Networking Lunch
- 14.30 – 16.15:** Session 3 – How can citizens be engaged with the green transition at the local level?
Moderators: Mihaela Babić and Hrvoje Maras (REGEA)
- 16.15 – 16.30:** Conclusion and closing remarks



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Welcome and Greetings

Davide Damosso, Operative Director of Environment Park

Judith Cazas, Interreg EURO-MED Programme Officer

Danilo Ceh, Community4LivingAreas lead Partner



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What's new for Green Living Areas?

9.30 – 11.00: **Session 1 – Resilient territories: tools, plans, and strategies**

Moderator: Miljenko Sedlar, REGEA, Head of Climate

Keynote: Miljenko Sedlar, REGEA, EU missions, regional & local strategies, and implementation

Panelists:

1. Carbon neutral territories, Simone Bastianoni, University of Siena
2. Urban Planning & Climate change adaptation, Andrea Moro, iiSBE Italy
3. The Turin Green and circular transition, Laura Ribotta, Turin Municipality
4. Chalki green Island, Evaggelos Fragkakis, Chalki Municipality
5. RECROSSES: One-stop-shop supporting Renewable Energy Communities, Stefano Dotta, Environment Park, Green Building area manager



1.68



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EU MISSIONS



Concrete solutions for our greatest challenges

Miljenko Sedlar, Head of climate, REGEA, msedlar@regea.org

#EUmissions #HorizonEU



EU Missions are a novelty of the Horizon Europe research and innovation programme for the years 2021-2027.

EU Missions are a new way to bring concrete solutions to some of our greatest challenges. They have ambitious goals and will deliver concrete results by 2030.

They put research and innovation into a new role, combined with new forms of governance and collaboration, as well as by engaging citizens.

EU Missions aim to mobilise and activate public and private actors, such as EU Member States, regional and local authorities, research institutes, academic and innovation community, entrepreneurs and investors to create real and lasting impact.

Missions engage with citizens to boost societal uptake of new solutions and approaches.





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MITIGATION



Synergy



NetZeroCities supports Europe and in particular European cities to drastically cut down greenhouse gas emissions through climate action to achieve 'climate neutrality', one of the biggest challenges our societies face today.

EU
MISSIONS



ADAPTATION



Objective: To support at least 150 European regions and communities towards climate resilience by 2030



WHAT IS IMPORTANT FOR PLANNING AND IMPLEMENTATION?

- Obtaining political support! (City councils on board!)
- Collecting initial information (analysis, historical data, other relevant strategic data...)
- Setting up the process
 - Governance model (who internally, who externally)
 - Resources (human, technical)
 - Funding – there will be need for expert support, data, analysis
- Stakeholders
 - Identification
 - Engagement
 - Recommended to use the **pentahelix approach** (local governance, businesses and industry, academia, NGO sector, general public)
- Increase awareness (extremely important!)



MITIGATION – Zagreb experience

Climate change mitigation and adaptation policies – fronterunner city in the region

The only city in Croatia that joined the Mission on 100 climate neutral and smart cities

SECAP – since 2019, first in Croatia – clearly showing the ambition to go beyond of national legislation

- 23 mitigation measures
- 35 adaptation measures

So, what was wrong?



Our approach - CCC



Key to success is to avoid creating more siloses and to create a visionary, disruptive document

The aim in preparation, and later in execution is to:

- Mainstream mitigation (and adaptation) issues into city processes – GHG monetisation and valorisation (and climate proofing)
- Remove barriers and create favourable conditions in strategic documents (strategies, spatial plans...)
- Upscale and apply solutions, tools, know-how and experience gained through different research and innovation projects
- Apply innovative financing to close the gap
- Harness on benefits of vertical communication (upwards to ministries and downwards to districts)
- Co-create and co-design with academia, industry, businesses, NGOs, citizens
- Monitor, check, re-evaluate, re-design and improve – built in the document!



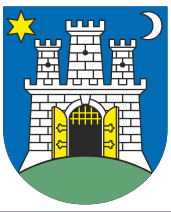
The plan



Key to success is vertical and horizontal cooperation

The approach is to run sectorial co-creation workshops with all relevant stakeholders through which we will:

- Develop enabling conditions and mainstream mitigation (and adaptation) elements into:
 - Strategic documents (Development strategy, Sectoral strategies and action plans)
 - Spatial plans
 - City budget – sectoral programmes
 - Projects and measures
- Innovate and test the mainstreaming effect
- Share, disseminate and upscale to ensure sustainability (towards national and lower levels)



What do/did we do? NECPlatform 



National Energy and Climate plan – bringing the cities onboard

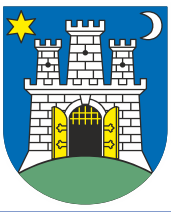
Set up of multi-level dialogue platforms, to raise the voices of local decision-makers and stakeholders in national energy and climate policies.

The platform has been setup in Croatia coordinated by REGEA and in cooperation with Ministry of economy and sustainable development – one of best cases in EU

- Multiple stakeholder workshops held, cities present incl. Zagreb
- **Stakeholders:** ministries, academia, NGOs, businesses and industry
- Feedback on Croatia NECP in this area improved

Coordination with Ministry of finance has been setup:

- **joint platform for sustainable finance has been setup** – role is to close the finance gap for energy transition and climate change adaptation
- Cooperation with Croatian National Bank, National development bank, Commercial banks association, Investment funds, Stock exchange, regulators...



What do/did we do?



Spatial plans – A tool

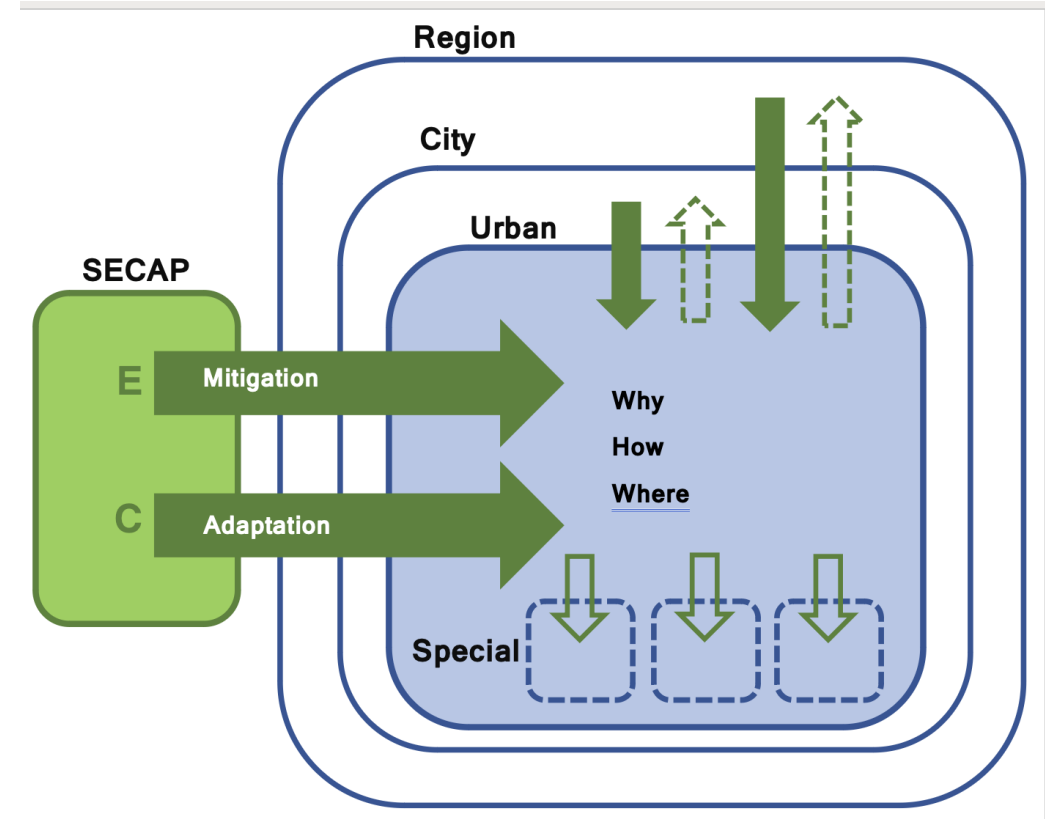
Creating enabling conditions and removing barriers (space related)

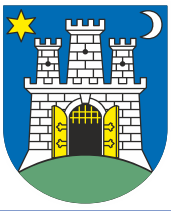
Key fact: spatial plans are planning and executive documents

Assessing the measures and needs related to mitigation and adaptation and integration into spatial plans

Example: Urbanistic plan of development of one district – forbidden usage of natural gas, adaptation measures integrated

Upscale of solutions developed within the LIFE project IN-Plan, presented to relevant ministries





Our vision



Climate City Contract is a vision

- document that is constantly being reiterated, as new tools, initiatives and solutions emerge
- Cooperation between citizens, politicians, businesses, academia, civil servants, innovative community is present
- Cooperation of local, regional and national level is present, different platforms are running and developing solution – new ways of working are present, potential to happen faster, in a disruptive manner exists
- The climate city contract is a tool to achieve this, we see it as a vision and a long-term commitment that secures cooperation between stakeholders
- We can co-create, co-develop and co-execute actions and projects –as it has been shown
- We will embed and mainstream the content of CCC in the City processes
- Synergies will be drawn with the adaptation (resilience) plan, as they go hand in hand!



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Climate change adaptation



You need to:

- Recognize past and present climate impacts (a lot of baseline data will be needed)!
- Understand the climate projections and future impacts
- Identify vulnerable sectors (not all of them are equally vulnerable, stakeholders communication is important) – **make sectorial workshops!!**
- Identify main adaptation concerns and defining objectives
- Get expert support, but also do a bit of de-mystification!



How did we learn?

- From 2019 – onwards we were tracking and monitoring our assumptions and analysis
- We initiated climate proofing for all of the projects – that gave us a lot of insights and inputs for modification
- The climate change effects gave us feedback!



Lessons learned!!

Climate parameter	Current risks	Anticipated risks		
	Current risk level	Intensity change	Change in occurrence	Time period
Extreme heat	High	Increase	Increase	Current risk
Extreme cold	High	Increase	Increase	Current risk
Urban flooding	Low	Increase	Increase	Long term
Drought	High	Increase	Increase	Current risk
Storms	High	Increase	Increase	Current risk
Land movement	High	Increase	Increase	Current risk
Fire of open space	Low	Increase	No change	Current risk

Extreme heat – good assessment, yet to general

Extreme cold – poor assesment

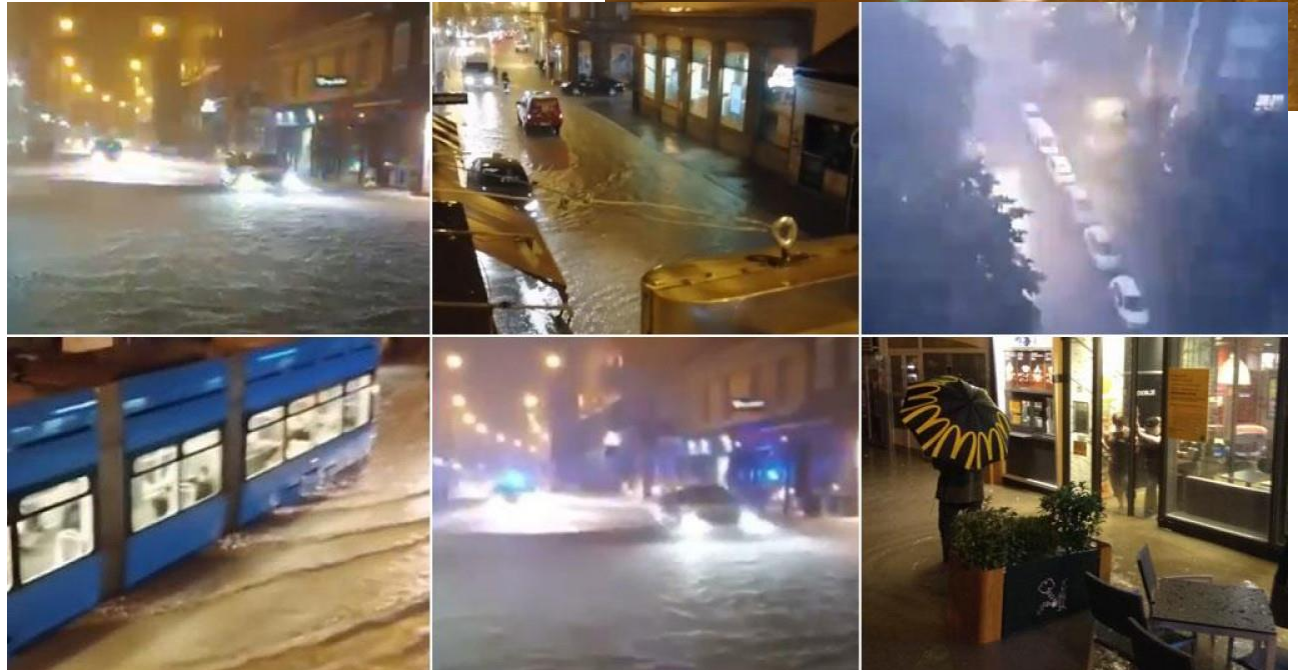
Urban floding – some wrong assumptions

Adaptation measures planned – in scope ok, in terms of urgency and size improvements are needed!



Reflection on risk assessment in 2018!

July 2020, Zagreb





Reflection on risk assessment in 2018! Urban flooding!

Key facts:

1. **Drainage system capacity is insufficient.** Built in 18th and 19th century.

Uncontrolled urbanization has put too much pressure on it! It is usually designed based on:

- a) Max expected rainfall in certain time period (changed)
- b) Frequency of occurrence (changed)
- c) Size of the urban area (growing)
- d) number of inhabitants (growing)
- e) obsolete piping in many parts of the City

2. **Combined storm water and fecal drainage system**

Same system absorbs rain water, fecal waters and waters from the Sljeme mountain in the vicinity of the City

- a) Systems need to be separated
- b) Rain water from roofs directed to green surfaces or harvested (need to increase green surfaces area, green roofs, natural retentions...)
- c) **We need a new hydraulic model of water management - started**



Zagreb case – baseline related to urban heat!



Increase of medium heat impact related to urbanization and climate change (diff between 1961. – 1990. and 1991. – 2020).

Key facts:

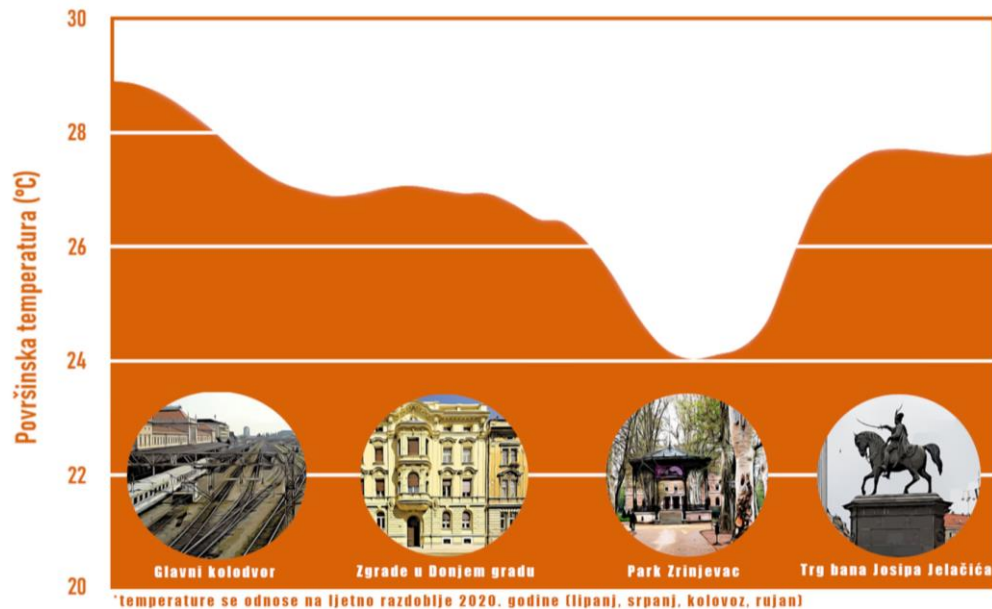
1. Impact of heat is significant (average daily temperatures, increase of min and max temperatures, rise of heat indexes...)
2. Urban heat increase is a combination of global climate change and rate of urbanization
3. Buildings inhabited by vulnerable groups are concentrated in densely built areas of the city, thus more exposed to the heat
4. Urban heat island is present on the level of the city, but some areas are more critical



Urban heat assessment!

Assessment was far too general – more detailed assessment needs to be performed!

Detailed heat pressure analysis was performed!



- Heat pressure is not equally distributed
- Temperature parameter is mostly dependant on atmospheric/climate influence but local conditions can modify them
- Synergistic effect of those parameters can cause amplification, for example heat waves
- Heat pressure in the City is extreme



Not much of a surprise, but...

City is warming up!

All four main meteorological weather stations are showing increase of temperature and **reclassification of climate classes!**

- Grič, Maksimir and Pleso weather stations – from moist moderate warm climate with warm summers (Cfb) to moist moderate climate with hot summers (Cfa) (due to increase of average daily temp in July above 22C)
- Puntijarka weather station – from moist snow-forrest climate (Dfb) to moderatly warm climate (Cfb) – due to inrease of monthly average temp of coldest month Januray, that no longer goes below -3C
- **What really happened**
 - Mountain area now has the climate City used to have
 - City climate is now more simmlar to the climate of the mediteranean cities



Key barriers identified

- Unwillingness to accept the fact that climate is changing
- Silo approach in handling the process
- Lack of data
- Lack of sectorial specific analysis
- Separated budgeting (if any) for “climate related” projects – adding on the silo approach
- Spatial plans obstacles
- Lack of knowledge and capacity



What did we learn?

- Mainstreaming of adaptation is crucial for success
- Enabling conditions related to strategies and spatial plans need to be in place
- Every budget line in the city budget needs to be assessed towards adaptation (common sense assumed)
- Approach needs to be systemic (VRA is just a small part)
- We have to re-think everything, innovations are key
- Adaptation is not just a cost, is also an opportunity for growth and development



What do/did we do?

- Our resilience plan is in constant update
- We are undertaking systemic approach to mainstream adaptation in all processes and budgeting
- updating spatial plans to set ground for resilience projects
- developed a guideline to climate proof all projects – it is a part of permitting process
- Using the research and innovation projects results to implement and upscale solutions
- Raising awareness and building capacities



Climate
changes
constantly and
fast – we also
have too

**BEGIN
AGAIN**



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Thank you !

Miljenko Sedlar, Head of climate, REGEA

#EUmissions

#HorizonEU

#MissionClimateAdaptation

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Carbon Neutral Territories

Simone Bastianoni

University of Siena

Green Living Areas
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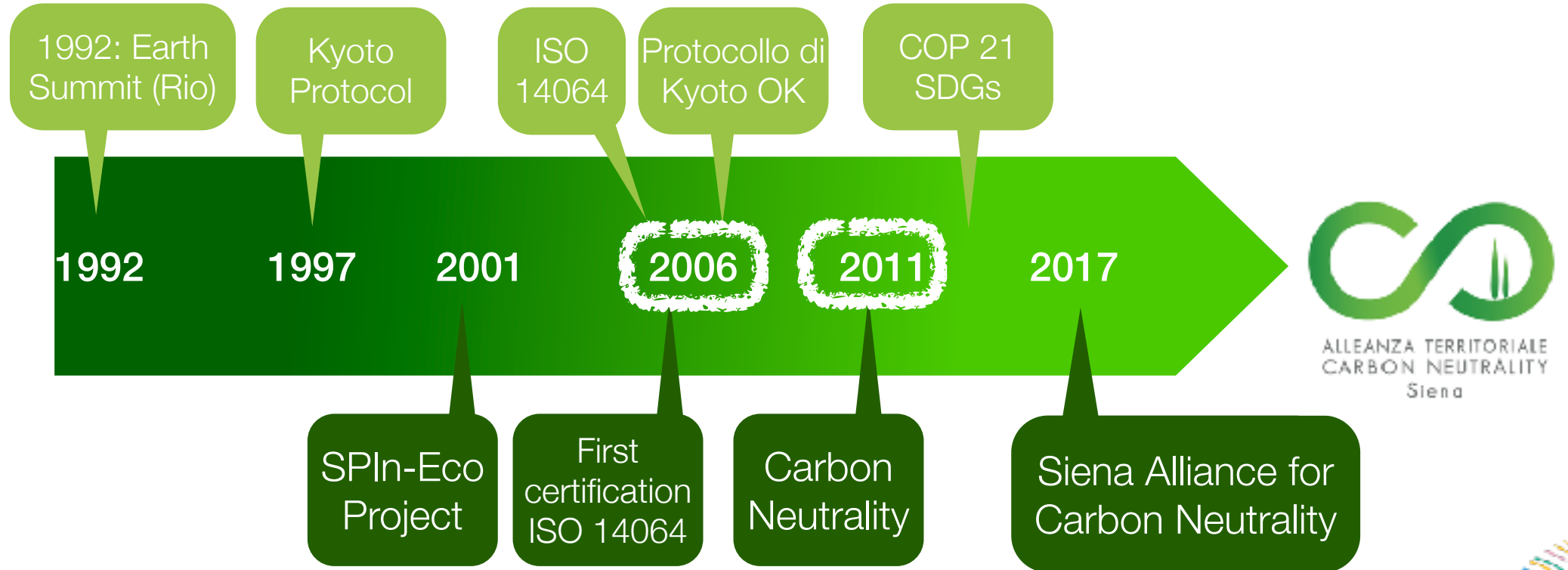
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The Siena Province decarbonization



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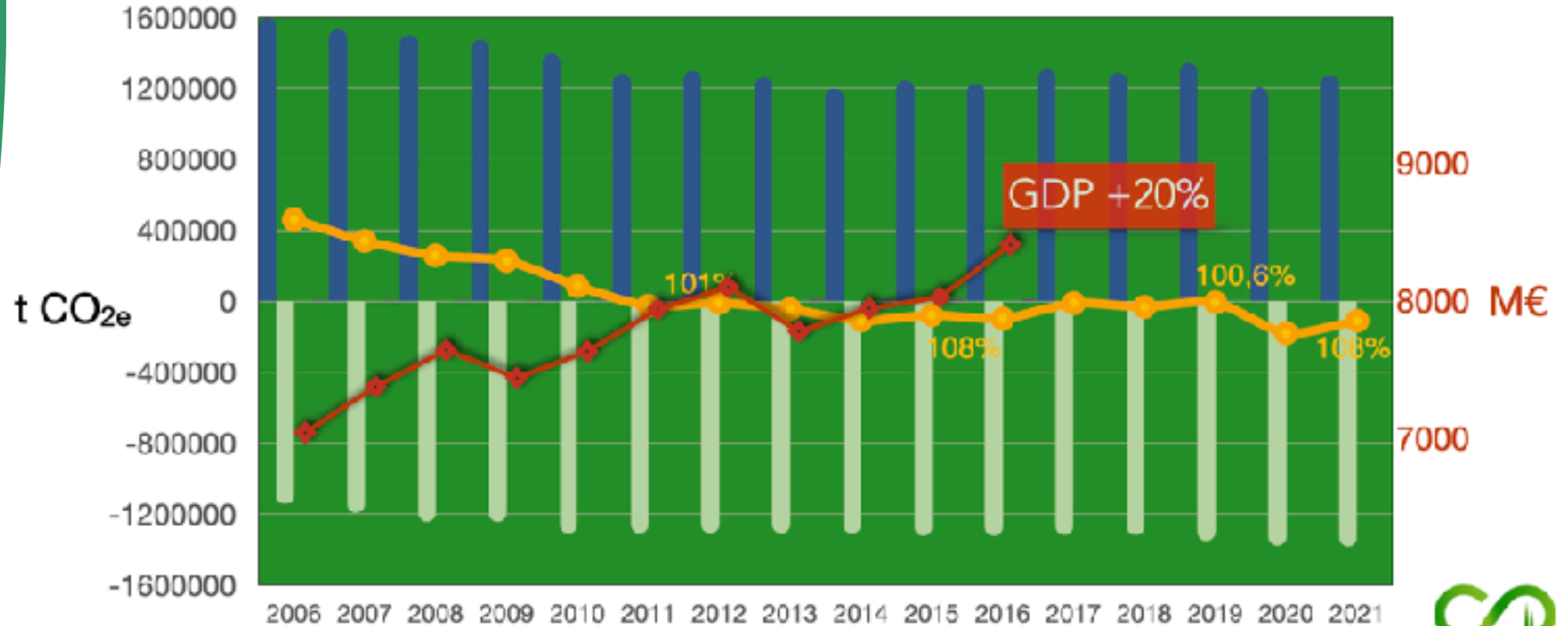


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The Siena Province decarbonization



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City-Zen Project



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FIELD VISITS

Experts meet local communities and are informed about initiatives and projects



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CO-WORKING

Cooperative design:
Local stakeholders
address plans



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CO-WORKING
Cooperative design:
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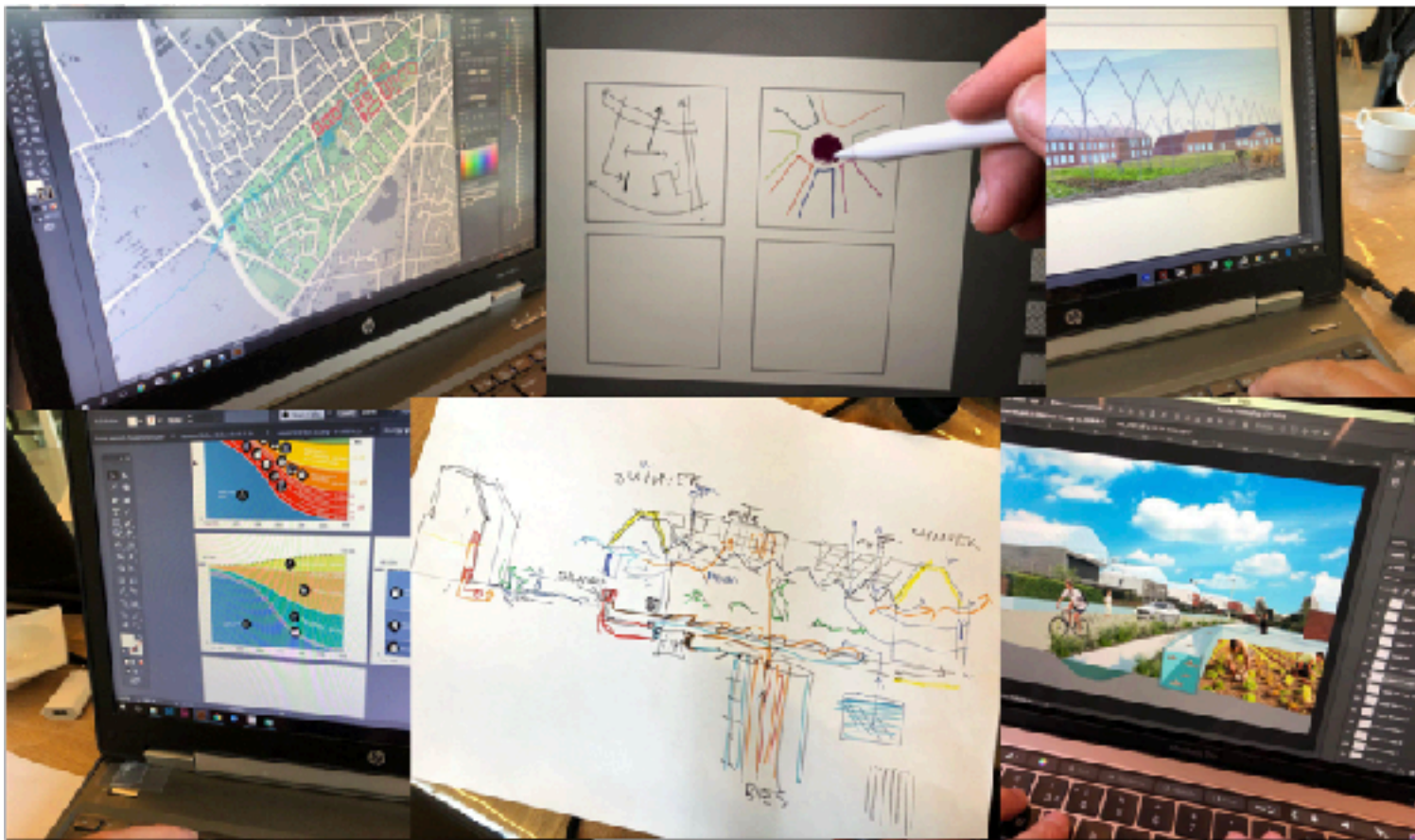
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WRAP-UP
What a hustle on
Thursday evening!



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FINAL PRESENTATION
All stakeholders and
general public



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COoperation and CO-designing
Partnership for CLiMAtE Neutrality

Kick-off Meeting 20-22 March 2024, Siena, Italy

**Green Living Areas
Thematic Community**
Kick-off event





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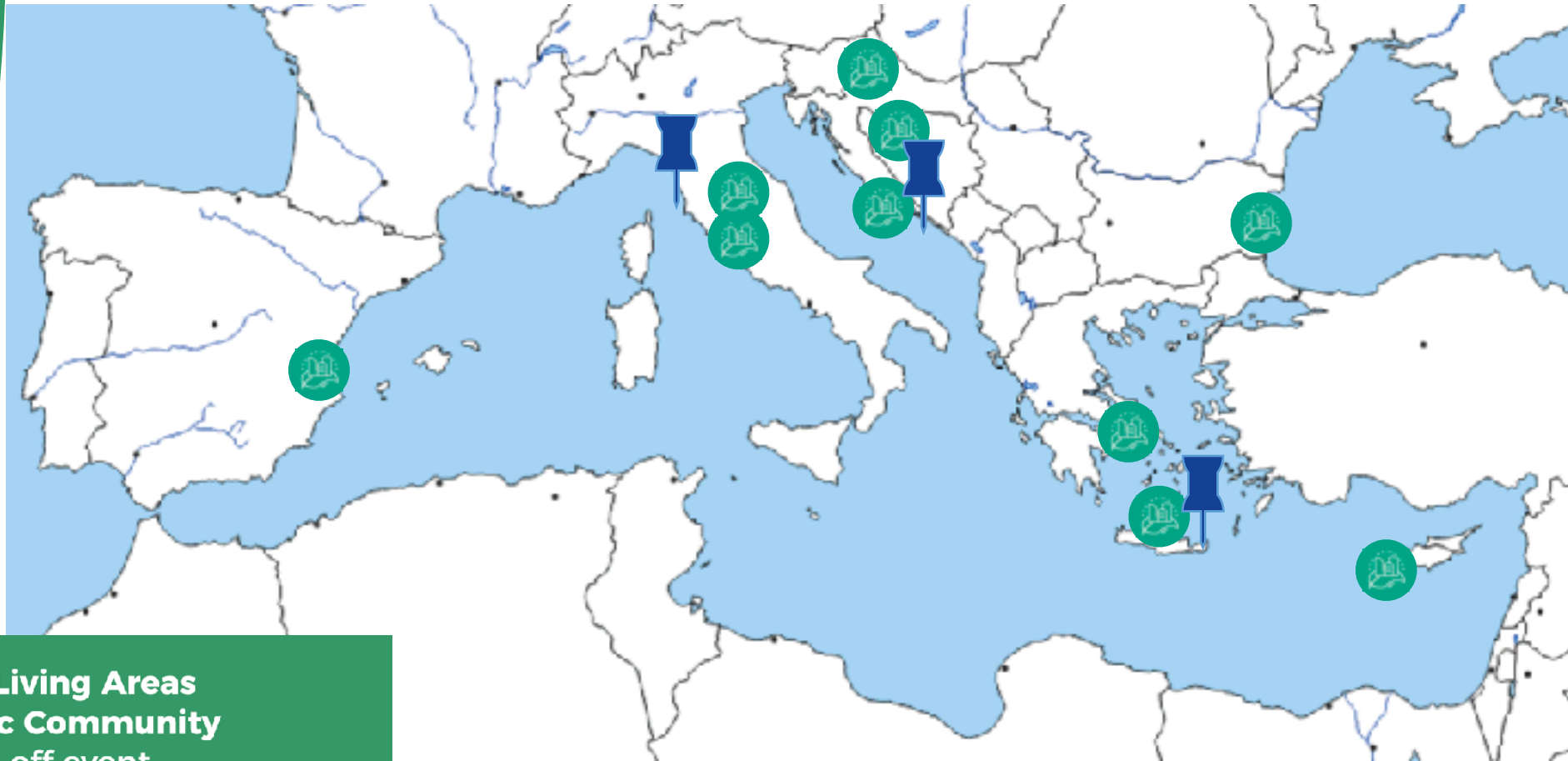


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Partners and Islands



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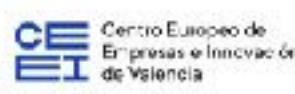
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Partners

1. University of Siena (LP)
2. University of Florence - Architecture (DIDA)
3. The Int. Centre for Sustain. Dev. of Energy, Water and Environment Systems
4. European Business and Innovation Centre of Valencia (BIC Valencia)
5. European Public Law Organization
6. GEOIMAGING
7. Technical University of Crete
8. Split-Dalmatia County
9. Development Agency of the Una-Sana Canton
10. Green Industry Innovations and technology transfer Foundation

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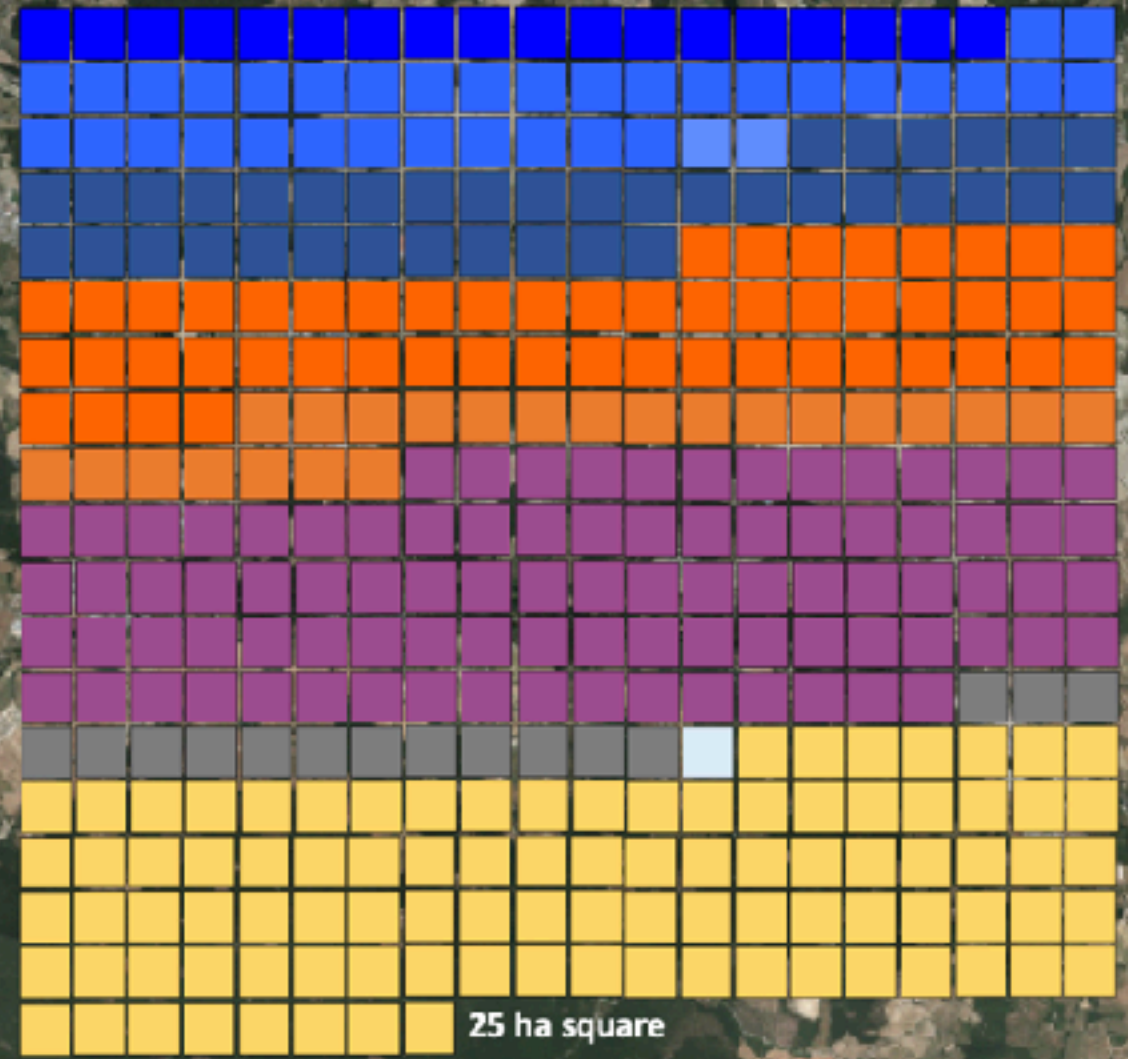
Questions behind CO2 PACMAN

1. Why is it so difficult to plan for Climate Neutrality?
2. Is it possible to provide tools that help in this effort?
3. How to prevent the general public's frequent skepticism/opposition towards renewable energy located nearby?
4. Are schools/universities ready to teach students how to approach decarbonization?
5. Is it possible to facilitate this transition financially?



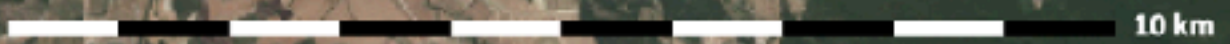


CHALLENGE



- EL residenze 7800 MWh
- EL servizi 14.700 MWh
- EL illuminazione 1000 MWh
- EL industria 33.200 MWh
- Gas residenziale 27.000 MWh
- Gas industria 22.000 MWh
- Mobilità 4600 t fuel
- Rifiuti 6000 t
- Risorse Idriche 650.000 m³
- Food

9200 ha foresta equivalente





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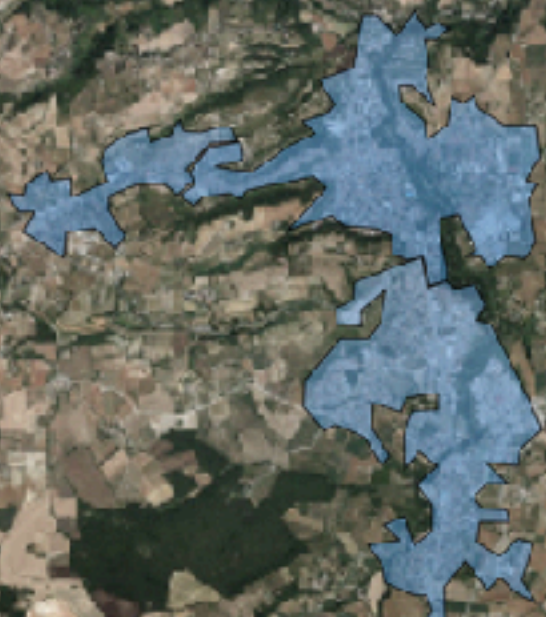


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Carbon uptake
Forestazione
20.852 t CO₂
1545 ha forestland



21.000 t assorbite nel comune
≈15.550 ha foresta reale

9200 ha foresta equivalente



10 km



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COoperation and CO-designing
PARTnership for CLiMAtE Neutrality

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Thank you!

Simone Bastianoni

Department of Physical, Earth and Environmental Sciences
University of Siena

bastianoni@unisi.it

www.ecodynamics.unisi.it

Piazzetta Enzo Tiezzi, 1 - 53100 Siena (Italy)



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Centre Europeo de
Empreses e Innovacion
de Valencia



Circular Economy &
Climate Institute



TECHNICAL UNIVERSITY OF CRETE
SCHOOL OF CHEMICAL AND
ENVIRONMENTAL ENGINEERING
RENEWABLE AND SUSTAINABLE ENERGY
SYSTEMS LABORATORY



SPLITSKO
DALMATINSKA
ŽUPANIJA



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ReMED

Towards Climate Resilient Mediterranean Cities

Andrea Moro
iiSBE Italia R&D

Background: the challenge

- ▶ Urban areas are known to be among the main contributors to climate change worldwide.
- ▶ At the same time, urban areas are especially at risk from the impacts of climate change.
- ▶ There is a growing recognition that climate change is here for the long term, and that actions is needed, not just mitigation, but also to adapt to the impacts that we can expect to see now and in the future.
- ▶ Cities are urged to identify and implement adaptation measures



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Main objective

Climate change is a long-term problem. It's urgent to develop innovative approaches to minimize climatic risks and to increase the resilience of Mediterranean cities



ReMED will develop innovative methods and tools to raise the capacity of public authorities in developing, implementing and monitoring adaptation measures at building and urban scale.



ReMED

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Key information

Start: January 1, 2024

Duration: 33 months

Budget : 2.406.287 euro

Number of partners: 9

Countries:

Italy, Spain, Croatia, Malta, Greece



Consortium



L-Università
ta' Malta

University of Malta (Lead partner)



GOVERNMENT OF MALTA
MINISTRY FOR GOZO
AND PLANNING

Ministry for Gozo



iiSBE Italia R&D



COMUNE DI GENOVA

Municipality of Genova



National Observatory of Athens



Municipality of Fyli



Municipality of Crikvenica



CIEDES Foundation



Ayuntamiento
de Málaga

Municipality of Málaga



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Activities and outputs

► WP1: ReMED Platform

Set up of the ReMED Platform, and integrated set of tools and methodologies to support cities in the definition and implementation of optimal adaptation measures.

The core of elements of the ReMED Platform are the ReMED Assessment System (building and urban scale) and Decision Support Framework.



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ReMED Assessment System

- ▶ Multi-criteria assessment system to measure and score the level of climatic risk of buildings and neighborhoods
- ▶ Adaptation of the CESBA MED Assessment System (as updated in the ENI CBC MED Sustainable MED Cities project) to be usable in climate risk evaluation
- ▶ Integration of the IPCC concept of climate risk (vulnerability, exposure, and hazard) using the impact chains approach.



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ReMED Assessment System

RBTool = assessment tool at building scale

RNTool = assessment tool at neighbourhood scale



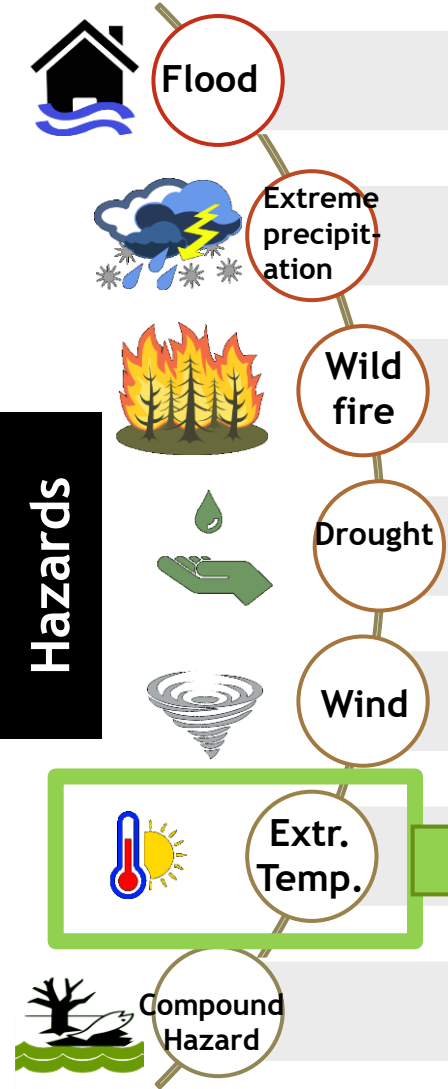
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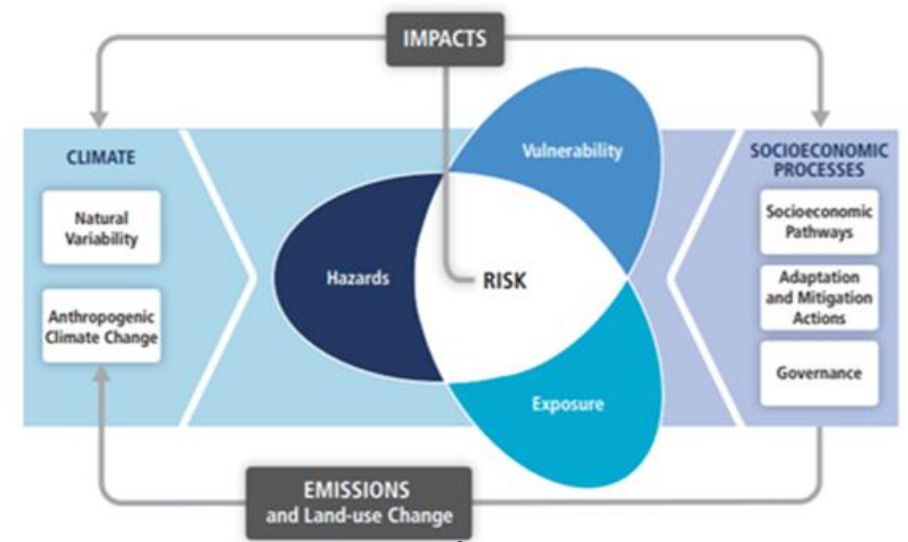
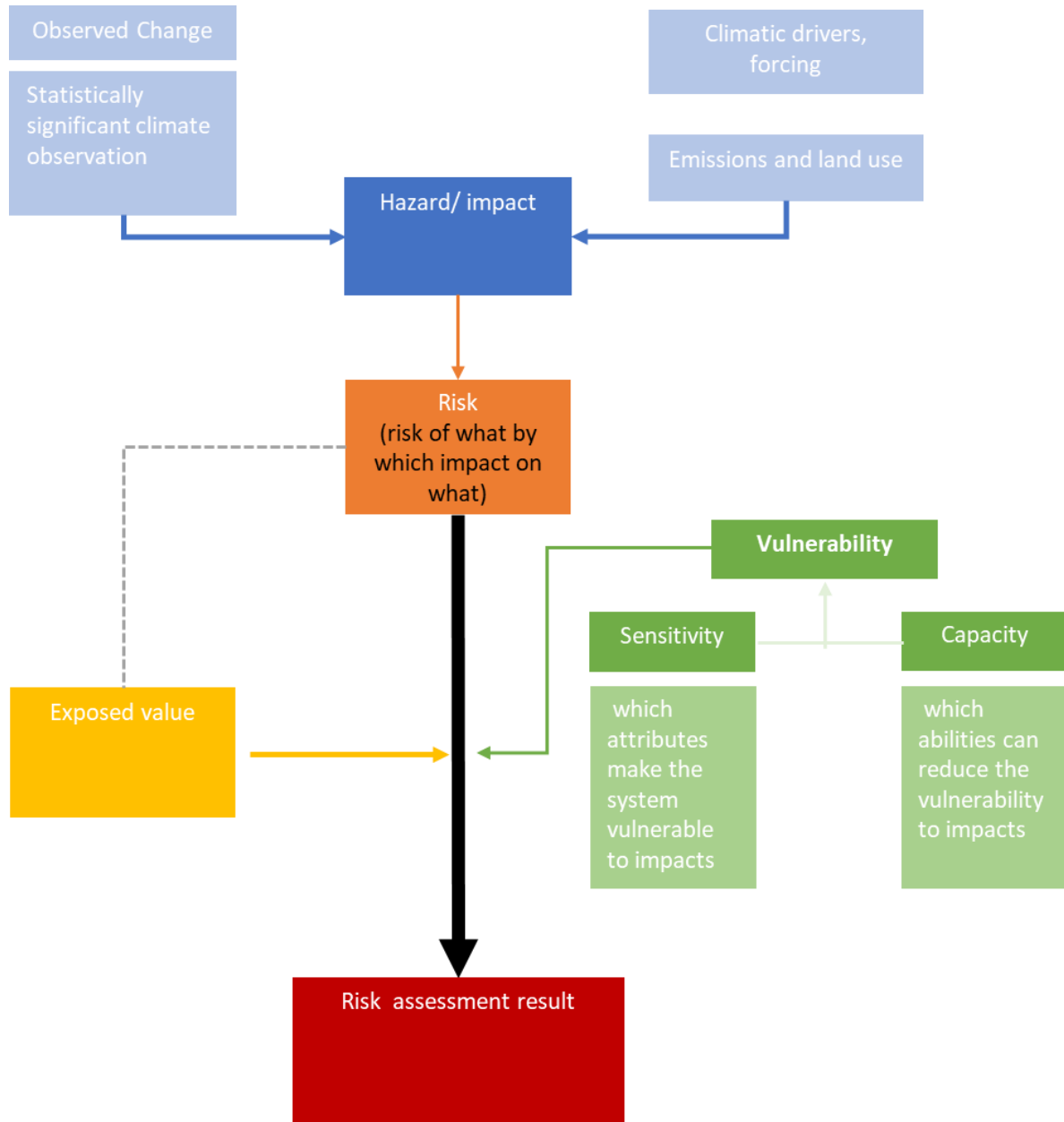
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Urban sectors

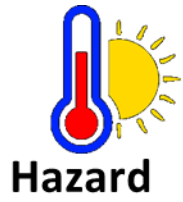


	Health	Buildings	Infrastructures	Services	Mobility	Ecosystems
Flood	Risk	Risk	Risk	Risk	Risk	Risk
Extreme precipitation	Risk	Risk	Risk	Risk	Risk	Risk
Wild fire	Risk	Risk	Risk	Risk	Risk	Risk
Drought	Risk	Risk	Risk	Risk	Risk	Risk
Wind	Risk	Risk	Risk	Risk	Risk	Risk
Extr. Temp.	Risk	Risk	Risk	Risk	Risk	Risk
Compound Hazard	Risk	Risk	Risk	Risk	Risk	Risk

Climate risk for inhabitants: thermal discomfort



Impact chain approach to assess the climate related risks based on the IPCC ARs



Hazard

Extreme temperature and warming trend

Inhabitants health and safety risk due to Heatwave

Inhabitants age <10 and >65

Vulnerability

Sensitivity

Adaptation

SRI paved surfaces

SRI mean value

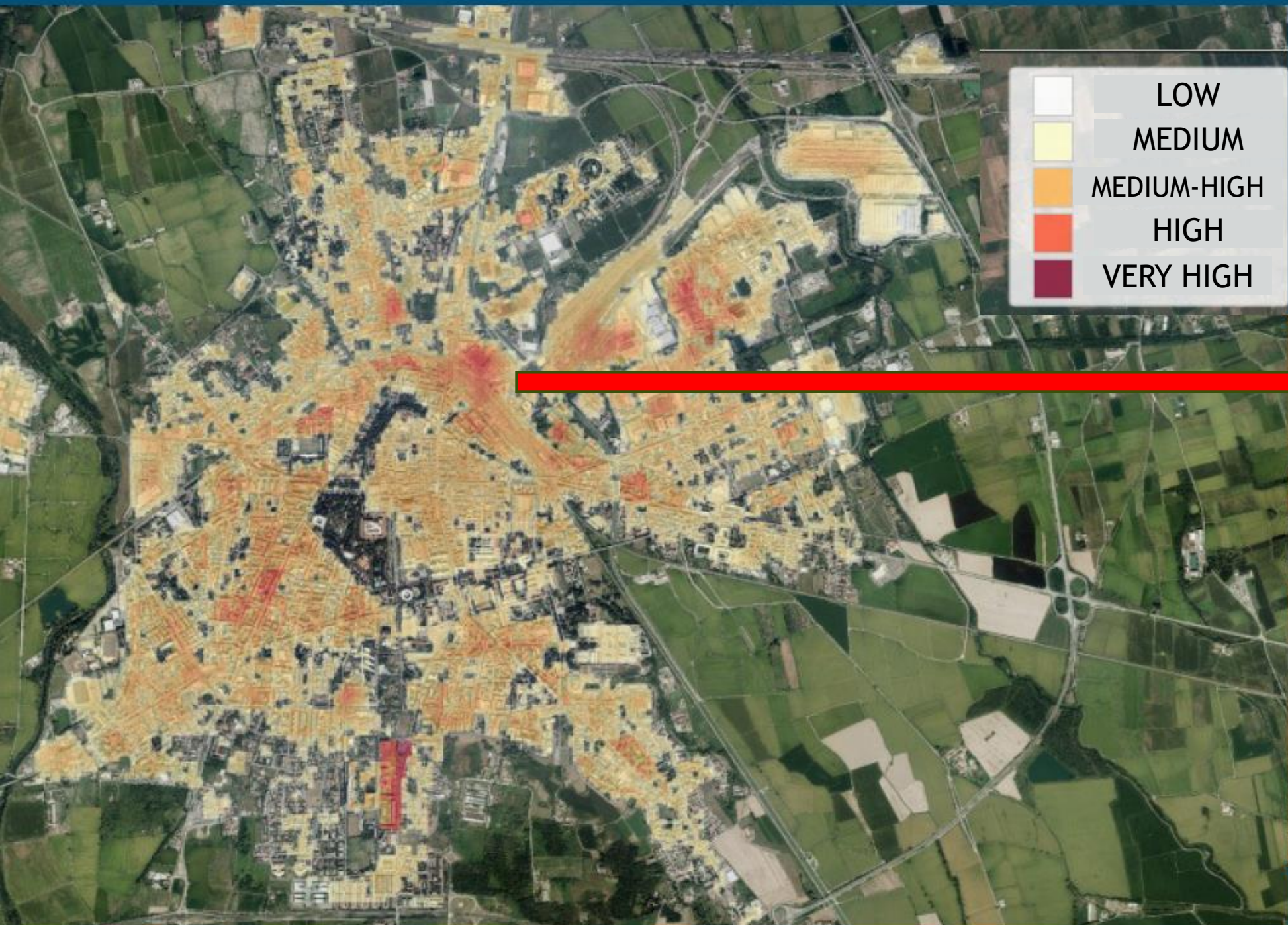
Risk Assessment result

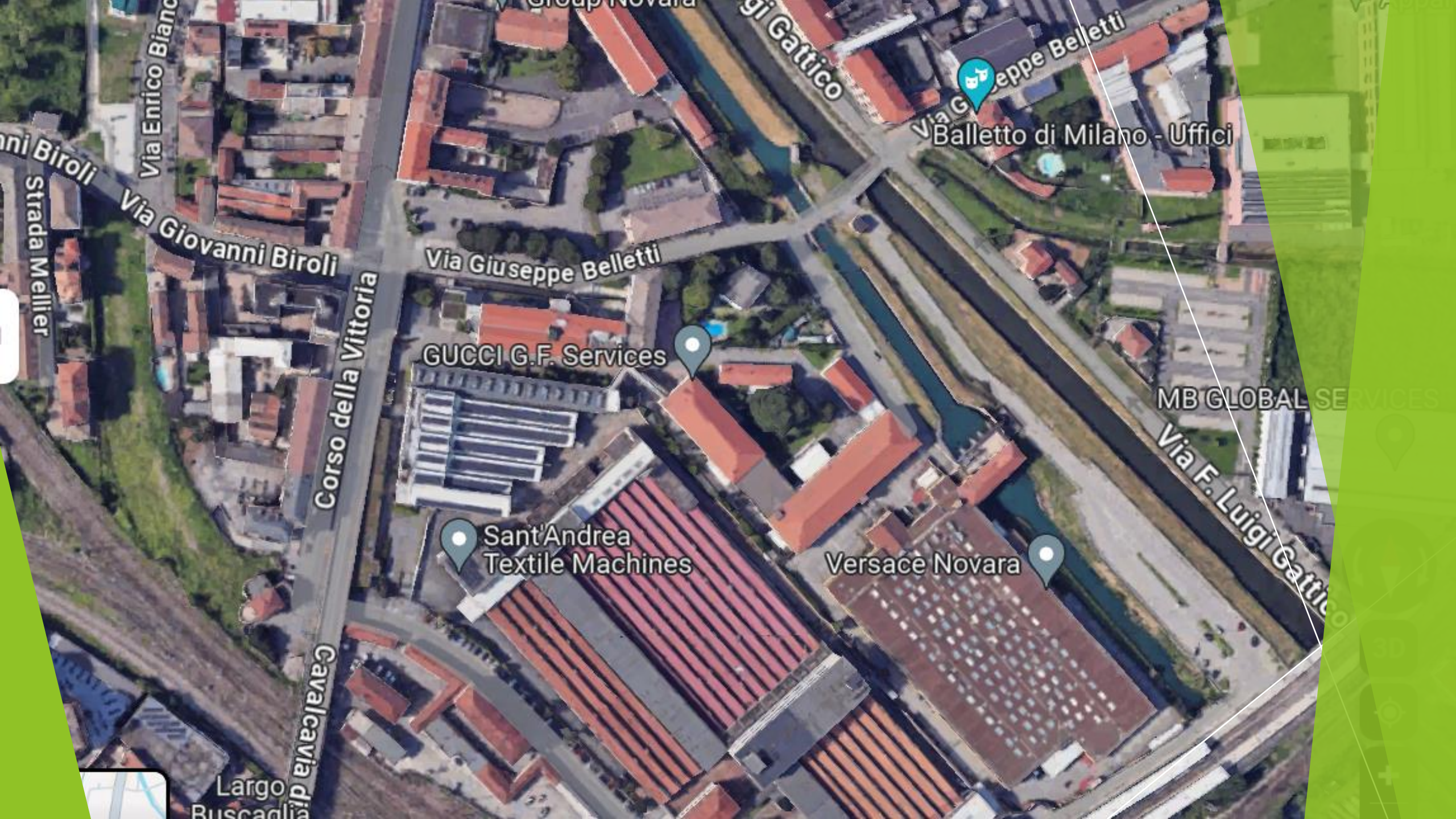
RNTool

Assessment criteria

Vulnerability (Criterion)	Sensitivity (Indicator)	Level of Adaptation (Indicator's value)
Albedo Paved areas	Mean SRI Value	Value
Albedo Roofs	Mean SRI value	Value
Green areas	Percentage of green areas on total area	%

RISK MAP





Strada Mellier

Via Giovanni Biroli

Via Enrico Bianco

Via Giovanni Biroli

Corso della Vittoria

Via Giuseppe Belletti

GUCCI G.F. Services

Sant'Andrea
Textile Machines

Versace Novara

Balletto di Milano - Uffici

Via Giuseppe Belletti

MB GLOBAL SERVICES

Via F. Luigi Gattico

Largo Buscaglia

Cavalcavia di

Diagnostic phase, Hazard - Extreme Temperature

Vulnerability (Criterion)	Sensitivity (Indicator)	Level of Adaptation (Indicator's value)
Albedo Paved areas	Mean SRI Value	Value
Albedo Roofs	Mean SRI value	Value
Green areas	Percentage of green areas on total area	%



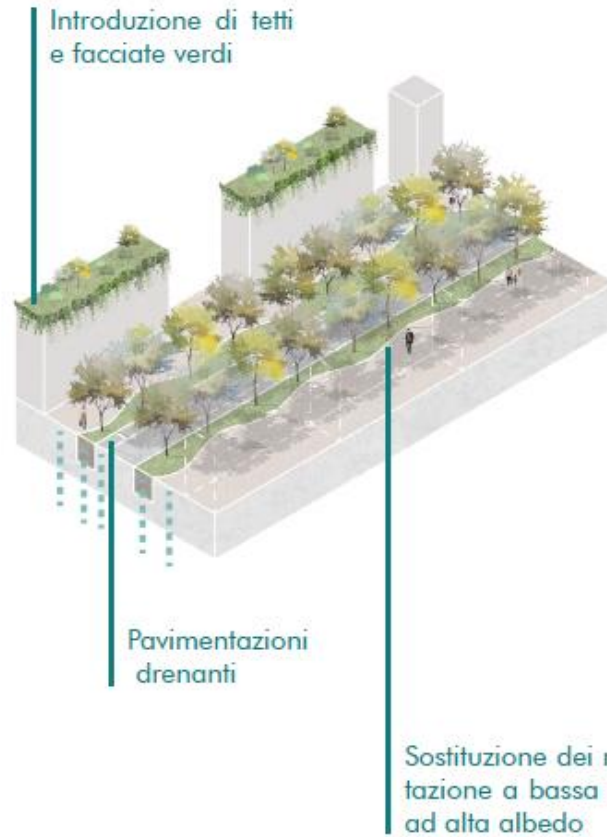
Performance	Score
NEGATIVE LEVEL OF ADAPTATION	-1
MINIMUM ACCEPTABLE LEVEL OF ADAPTATION	0
MODERATE IMPROVEMENT	1
SUBSTANTIAL IMPROVEMENT	2
GOOD LEVEL OF ADAPTATION	3
INCREASE of the GOOD LEVEL OF ADAPTATION	4
EXCELLENT LEVEL OF ADAPTATION	5



SCORE

EVALUATION OF SCENARIO - DECISION MAKING

2,5



1,8

Source: Poltecnico of Torino



ReMED

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Euro-MED

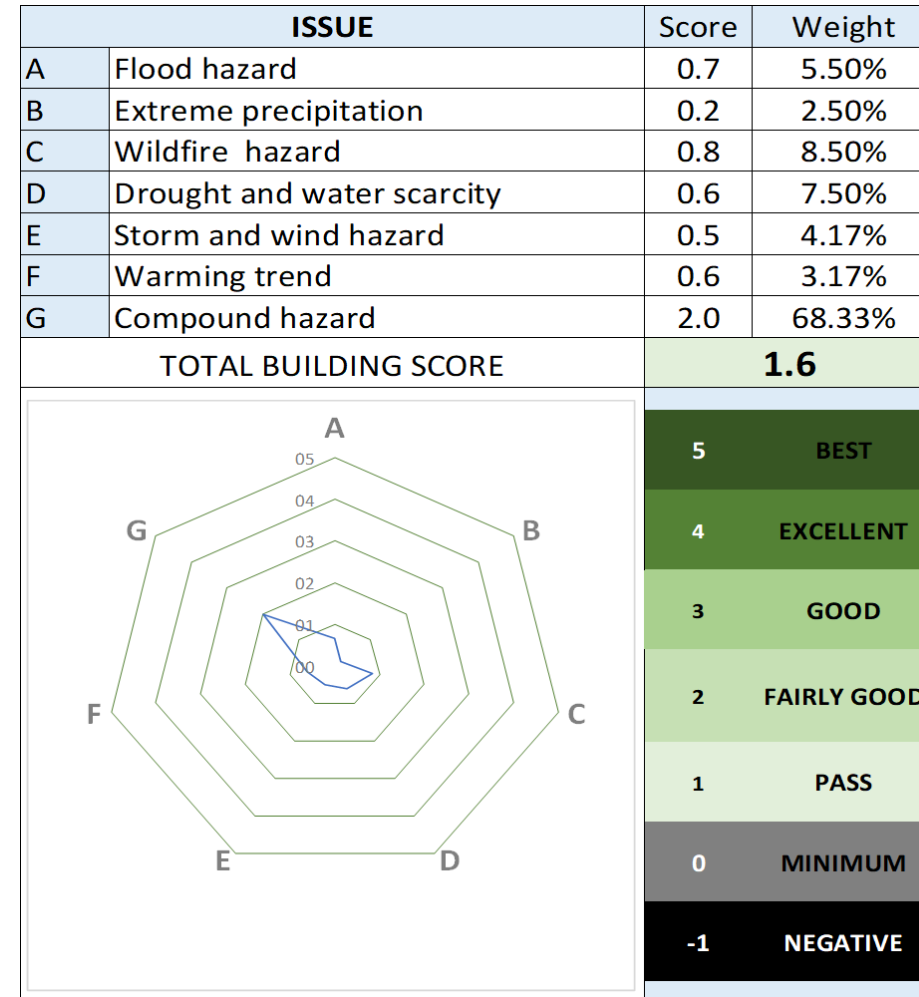


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the European Union

LEVEL OF ADAPTATION IN RELATION TO THE 7 CLIMATIC HAZARDS

The aggregation of the categories' scores produces the score at issue level (climatic hazard).

Higher the score, better the level of adaptation (-1, +5)



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Diagnosis: Understanding the current level of risk



Set goals: measurable and verifiable



Concept: development of alternative scenarios



Prioritization: Selecting the optimal scenario



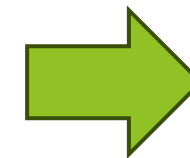
Design/Plan: turn the scenario into a project



Implementation: realization of the measures



Monitoring: verification of results obtained



MASTERPLAN
GREEN URBAN PLAN
SECTORIAL PLANS



ReMED

Interreg
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ReMED activities and outputs

▶ WP2: Test of the ReMED Platform

Test of the ReMED Platform on 5 pilot case studies to facilitate its uptake and use by public and local/regional authorities in synergy with climate policy instruments. The test will allow to identify possible improvements of the ReMED Platform.

▶ WP3: Raising the impact of policy instruments

Integration of the ReMED Platform into policy instruments to maximize their effectiveness as tools for the implementation of optimal resilience and adaptation measures.



ReMED

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Euro-MED



Co-funded by
the European Union

ReMED Capacity Building

- ▶ ReMED will deliver **capacity building measures towards public authorities in the use of the ReMED Platform** to facilitate its practical use and uptake.
- ▶ The focus of the capacity building process will be the test of the ReMED Platform to **support the implementation of adaptation measures through policy instruments** (Spatial Plans, SEA, Adaptation Plans).
- ▶ The main output of the project will be an **overall raised capacity of public authorities in deploying effective measures to improve the level of climate change adaptation of cities.**



ReMED

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the European Union

ReMED Multi Level Governance approach

- ▶ ReMED will support a **Multi-Level Governance (MLG)** in climate adaptation
- ▶ Policy coordination and alignment: the ReMED Platform can be used to **assess the coherence among strategies and plans issued at different governmental levels** (vertical) and among **sectorial plans** (horizontal)
- ▶ **Stakeholders' engagement** and comprehensive understanding: integration of diverse perspectives and expertise to develop effective adaptation measures



ReMED

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Participatory approach: Local Project Committees

General consultation groups at local level, involving stakeholders with different backgrounds for collecting feedbacks and disseminating project's results.

LPCs are the main strategy to **actively involve target groups** in the ReMED project



ReMED

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ReMED

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the European Union

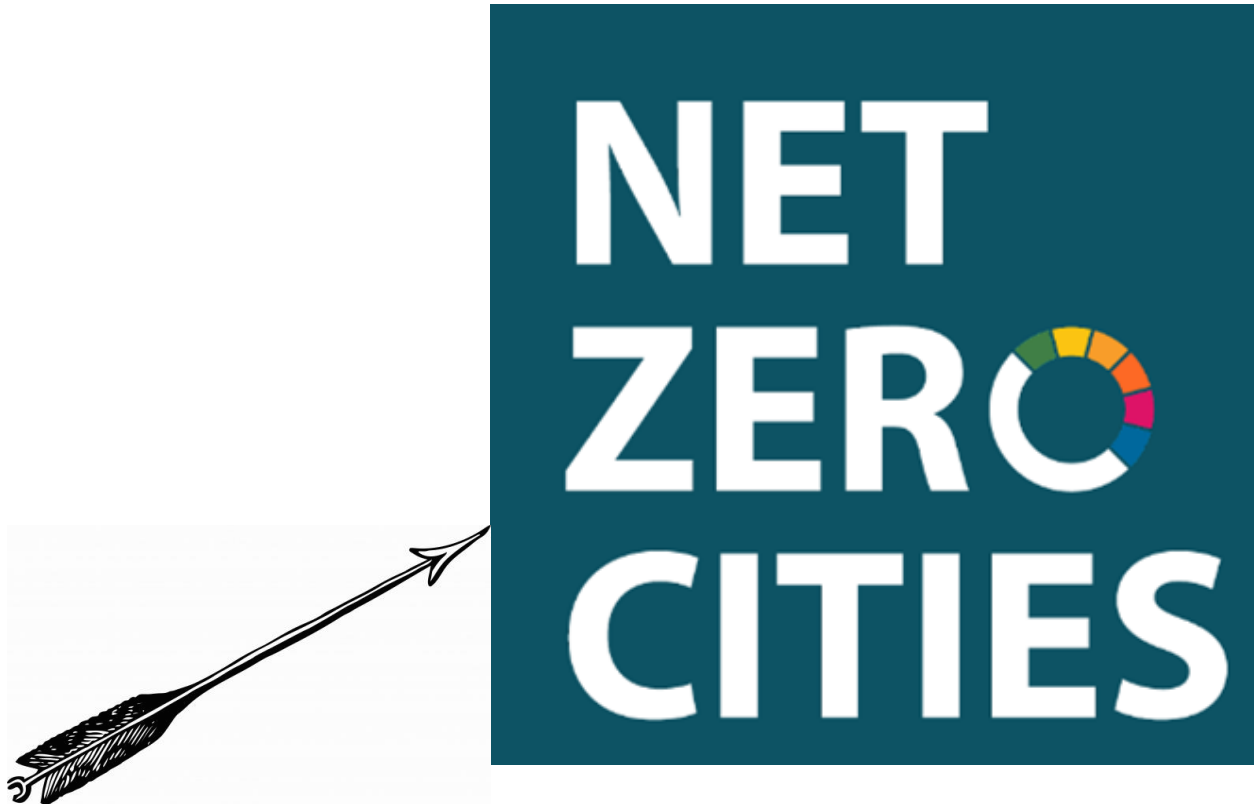
Thank you for your attention !

THE TURIN GREEN AND CIRCULAR TRANSITION

Laura Ribotta

Innovation and European funds department
City of Torino

100 Climate-neutral Cities by 2030 – by and for the Citizens



How we act



What do we do with our European projects?

- **Toward an autonomous city**
- **Waste Management**
- **Education**

Toward an autonomous city

Energy

What's the role of the city?

- help private organisations who want start a new **REC** (Renewable energy community)
- public land/roofs concessions for renewable energy installations?
- be active part in a REC?
- build up new **PEDs** (positive energy districts)



Let's Gov
(1st June 2023)
project
(Horizon Europe,
100 cities mission)

TIP4PED
(1st January 2024)
project
(Horizon Europe)

Toward an autonomous city

Urban Gardens

Urban gardens represent the type of urban green space that has had the greatest growth in recent times. In the space of ten years, the surface area of vegetable gardens has more than doubled. **Today the area dedicated to urban horticulture exceeds 400,000 square meters**, of which about **330,000 square meters represent spontaneous activities** and the remaining part regulated gardens managed by the districts (7 in all) and associations and third parties (23 in all). 3 new vegetable gardens are currently under construction. The urban form is the main reason why most of the cultivated area is located in peripheral areas of the city, and especially on residual land on the edges of the banks of the Sangone and Stura.

Cit from "Green infrastructure strategic plan"

Some examples of **NGO** active in Torino about urban gardening

[ORME](#)

[Orti Generali](#)

[Orti Alti](#)

[Rete ONG](#)

[Cascina Falchera](#)



[proGleg](#)

(closed)

project

(Horizon 2020)

[cofarm4cities](#)

(1st April 2023)

project

(Interreg Central Europe)

Toward an autonomous city

Soil less agriculture

Torino city lab test:
[Urban acquafarm](#),
aquaponic system.

[CWC](#) Interreg pilot:
aeroponic green house
on a green roof.

DR  P CITY 



Toward an autonomous city

Food

Food lab: implementation of the food lab by applying the circular business management model to the Orti Generali kiosk and Locanda del parco, with the supervision of UNISG: University of Gastronomic Sciences.

Extention to all the city of circular business models testing activities to support the production/processing of food within local business and shops, including bars, restaurants, local associations (managing collective catering) and open markets. This activity will include demonstrative actions and dissemination and communication initiatives

Fusilli

(1st January 2021)

project

(Horizon 2020)



Toward an autonomous city

#SME4GREEN

The project will establish and initiate the implementation of two

Local Green Deal

in Turin and Ilfov, mobilizing local stakeholders toward a new, sustainable and inclusive recovery. In this process we will be inspired by the city of Amsterdam (Netherlands), a leading example in the field of green.

SME4GREEN
(1st May 2022)
project
(COSME)

Toward an autonomous city

Call Torino City Lab Circular food



TORINO
CITY LAB



#SME4GREEN

Aim:

Select stakeholders interested in co-developing and testing under real-world conditions, innovative solutions in the circular economy related to food production, distribution and marketing, in order to assess their technical feasibility, potential access and replicability, market sustainability, and related positive impacts on target communities.

Target Area

Target area of the experiments is the territory of the City of Turin.



Waste Management



CLIMA

BOROUGH



CLIMABOROUGH
(1st January 2023)
project
(Horizon Europe)

Waste Management



PILLAR 1
(WP₁ - WP₂ - WP₃)
Development, design and digitalisation



Urban forest exploitation, materials development



DfMAD
(Design for
Manufacture,
Assembly and
Disassembly)



Advanced digital solutions for circularity

PILLAR 2
(WP₄ - WP₅)
Documentation and demonstration



Performance documentation and validation



Sustainability assessment



Full scale demonstration

PILLAR 3
(WP₆ - WP₇)
Deployment and business models



Business models and IPR management



Training material

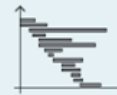


Policy guidance

Market uptake



WP 8
Dissemination &
communication



WP 9
Project
management

Education

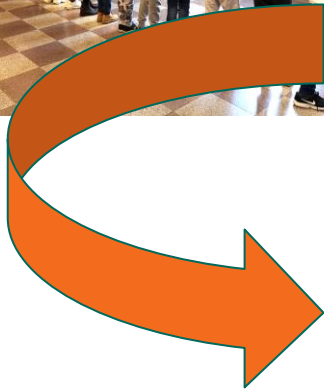
young

Climathon



2019: what's circular economy?
(in collaboration with Mercato Circolare)

From linear economy...



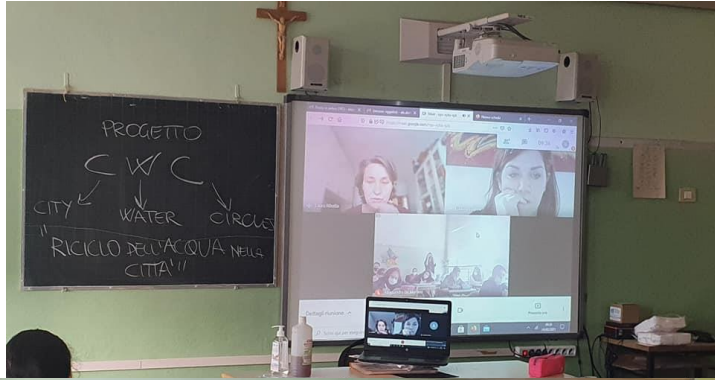
To circular economy...
Hydroaid – Scuola internazionale dell'acqua, SMAT Torino)



2018: water circularity (in collaboration with Il Pianeta Azzurro ed Hydroaid – Scuola internazionale dell'acqua, SMAT Torino)



Education

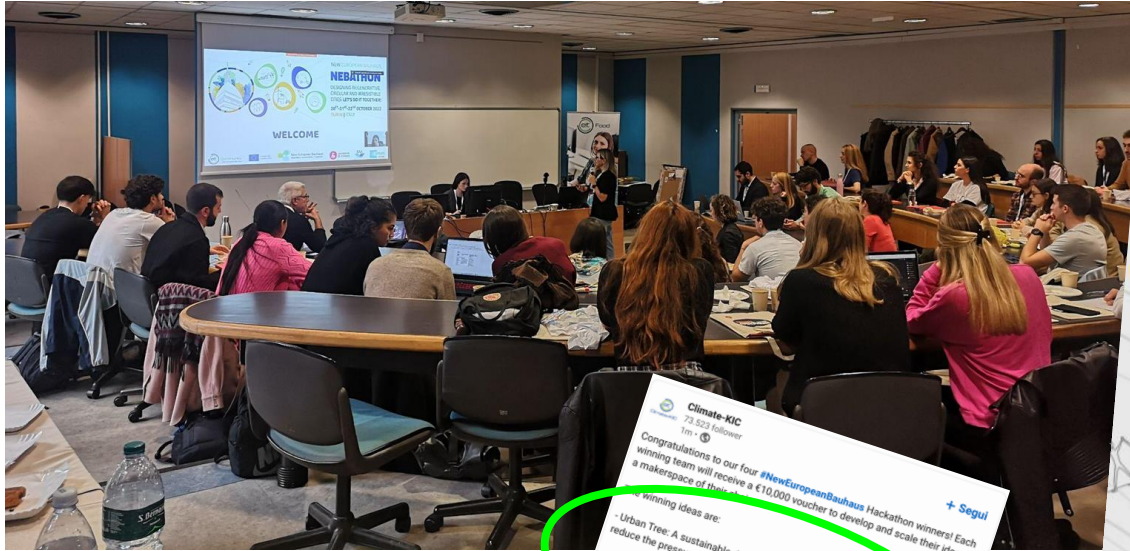


CWC project: save the water!
Circular economy applied to water circle.



Education

Helping UNITO in the organisation of NEBathon



Climate-KIC
73.523 follower
Tim · @

Congratulations to our four #NewEuropeanBauhaus Hackathon winners! Each winning team will receive a €10,000 voucher to develop and scale their ideas in a makerspace of their choice.

Winning Ideas are:

- Urban Tree: A sustainable drainage system covered by plants that aims to reduce the pressure on city sewage systems and make our cities more green
- Molo61: Creating a multi-functional space from sustainable materials for young people in the Heart of Turin
- PUITO: Giving new life to a dangerous aquatic plant and contributing to vital research on its use in circular materials such as bioplastics and natural fertilizers
- Orlegi: Allowing citizens to have a say in making their cities greener through an innovative app

Read more about the programme and winners.
[Vedi traduzione](#)

SAVE THE DATE! Oct 20th-21st-22nd

NEB4Cities Goes Circular!

New European Bauhaus

APPLY HERE!

eit Community
New European Bauhaus

Funded by the European Union

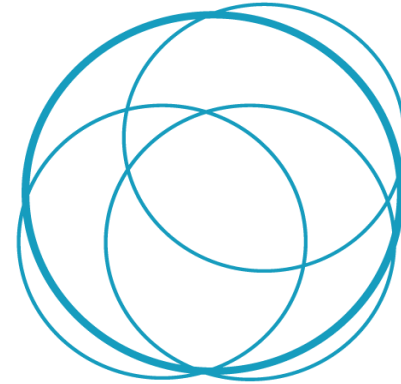
UNIVERSITÀ DI TORINO

SAA
School of Management

Education

The City of Turin promotes the PhD in **Innovation of the Circular Economy** at the University of Turin.

- Cuomo, F.; Ravazzi, S.; Savini, F.; Bertolini, L. (2020) *Transformative Urban Living Labs: Towards a Circular Economy in Amsterdam and Turin*. Sustainability, 12, 7651.
- Ascione G.S.; Cuomo F; Mariotti N.; Corazza L. (2021) *Urban Living Labs, Circular Economy and Nature-Based Solutions: Ideation and Testing of a New Soil in the City of Turin Using a Multi-stakeholder Perspective*. Circular Economy and Sustainability.
- Cuomo F.; Lambiase N.; Castagna A. (2021) *Living lab on sharing and circular economy: The case of Turin*. Health Informatics Journal



INNOVATION
FOR THE
CIRCULAR
ECONOMY
Innovative PhD Programme

Thanks!

laura.ribotta@comune.torino.it

project manager at:

<https://progireg.eu/>

<https://fusilli-project.eu/>

<https://www.interreg-central.eu/Content.Node/CWC.html>

<https://www.torinoeuprojects.it/it/progetto/sme4green/>

<https://www.torinoeuprojects.it/climaborough/>

<https://www.torinoeuprojects.it/cofarm4cities/>

<https://woodcircles.eu/>

<https://www.torinoeuprojects.it/lets-gov/>

<https://www.torinoeuprojects.it/en/tips4ped/>



Presented by:
Mayor of Chalki Island
Evangelos G. Fragkakis

1st GR Eco Island



Chalki is a Greek island of the southeast Aegean in the Dodecanese island group. It is located 5 miles west of Rhodes,



1st GR Eco Island



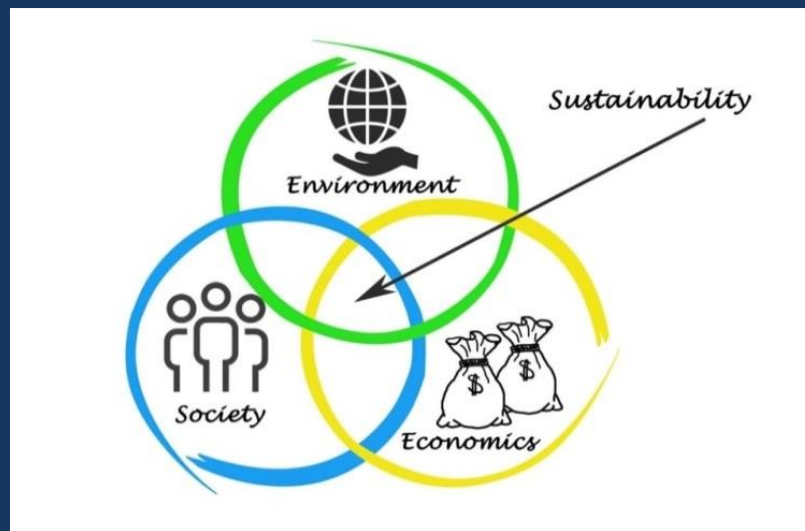
The GR-eco Islands is a strategic initiative of the Greek Government

Aiming to transform the Greek islands into models of green economy, energy autonomy, digital innovation and ecological mobility.

- The increased use of Renewable Sources of Energy
- The creation of digital infrastructure
- The promotion of Energy Efficiency
- The sustainable management of Water and Waste
- The e-mobility and electrification of transports
- The “Green” Transformation of agriculture and Tourism



Chalki in the Era of Sustainability and Energy Transition



Due to its Small Size Chalki Island it aspires to function as a model for the Energy transition of the Greek islands.



Our Vision is to become Energy Autonomous, utilizing Renewable Sources of Energy through a mild sustainable “GREEN” growth.

1ST GR Eco Island

With the installation of a 1 MW Photovoltaic Park.



1st GR Eco Island

With the installation and operation of a smart electrical network.



1st GR ECO Island

By promoting electrification.



1st GR Eco Island

By installing charging stations for electric vehicles through RES.



1st GR Eco Island

By installing a New Smart Public Electric Lighting Network



1st GR Eco Island

The vehicle that brought us to today

CHALKI'S ENERGY COMMUNITY "CHALKION"

**Energy Communities
under the
Clean Energy Package**



1st GR Eco Island

MUNICIPALITY OF CHALKI ISLAND

Savings of **€180.000 – €250.000 per year**

80% Electricity Bill Reduction for residents, businesses and the Municipality of Chalki

Savings of 1.800 tons of CO₂

Savings of €215.000 per year for Services of General Interest due to the replacement of thermal production units

€120.000 per year due to non-carbon emission respectively cost = €60/ tn
CO₂

1st GR Eco Island

ACTIONS TO SAVE THE PLANET FOR FUTURE GENERATIONS.



Interreg



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l'Union Européenne
Cofinanziato
dall'Unione Europea



RECROSSES

France – Italia ALCOTRA

RECROSSES

One-stop-shop supporting Renewable Energy Communities

What's new for Green Living Area?

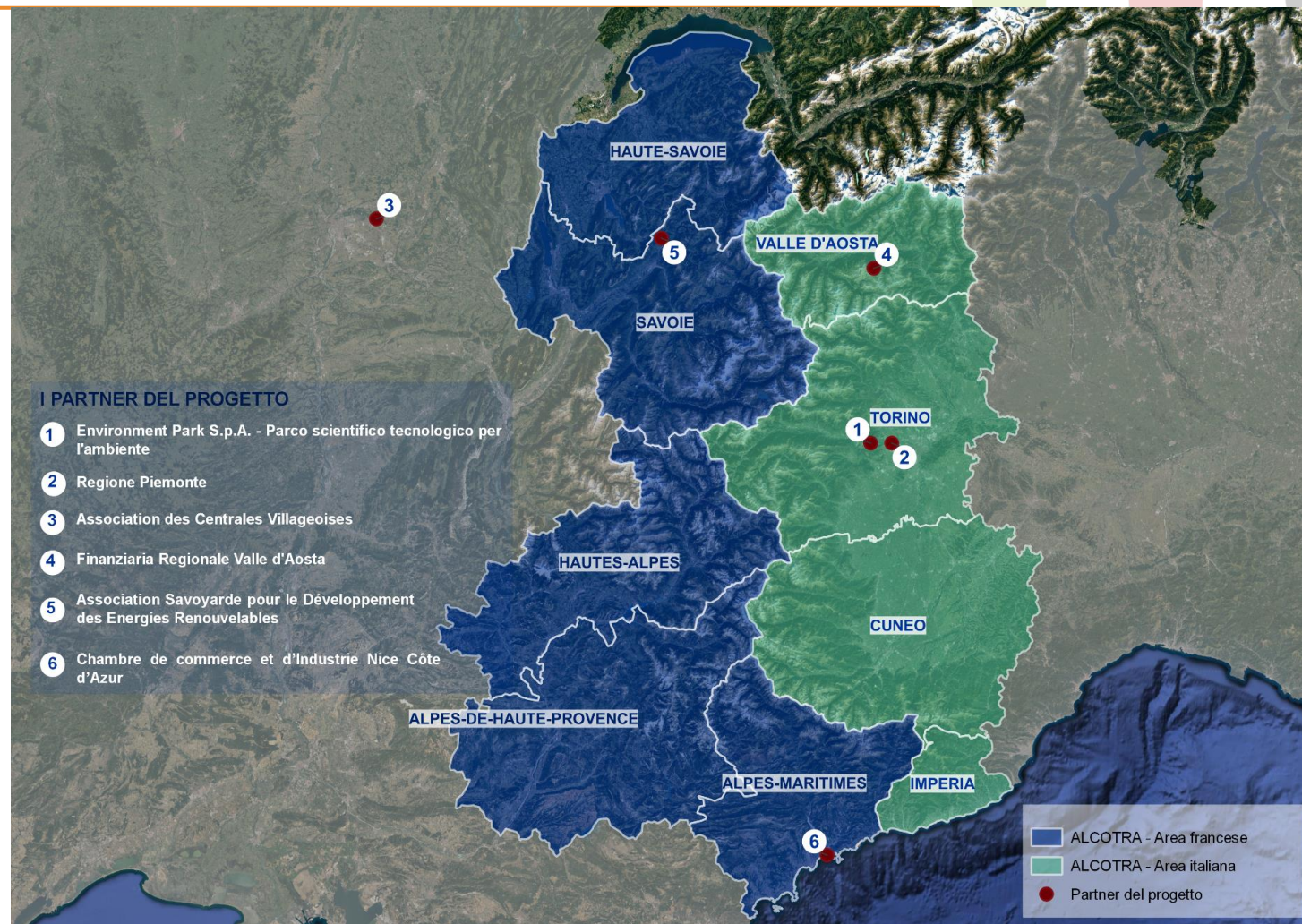
11 April 2024 Environment Park, 60 – Turin

STEFANO DOTTA

RECROSSES

Project financed by the European cross-border cooperation programme for the Alpine region between France and Italy – Interreg ALCOTRA

- Priority axis of the programma:
Improving knowledge of the territory to meet the environmental challenges of the ALCOTRA area
- Specific objective of the programme 2.2
Promoting renewable energies in accordance with Directive (EU) 2018/2001
- Project duration: 36 months
- Start: November 2023
- End: October 2026



RECROSSES - Objectives

General Objective

Support the start-up and growth over time of Renewable Energy Communities in both Italy and France

Specific objectives:

- To establish a common methodology between Italy and France, based on existing experiences in the two countries, for the start-up and development of RECs
- Develop support tools for the management of RECs
- Implement in Italy and strengthen in France the technical support service for the start-up and growth of ERCs (ONE STOP SHOP)
- Support with OSSs the start-up and/or growth of at least 30 RECs on the ALCOTRA territory



RECROSSES – Attività previste



Methodologies

- Development of common methodologies (start-up, citizen and stakeholder involvement, management, governance, sizing)

Exchange of Experiences

- Mutual learning and visits to existing ERCs between Italy and France
- Creation of collaborative relationships between IT and FR RECs through agreements

TOOLS

- RECROSSES TOOL of energy simulation and REC pre-dimensioning
- RECROSSES TOOL of REC investment plan simulation
- RECROSSES TOOL for the management of services provided by CERs
- Training on the use of TOOLS

RECROSSES – Attività previste



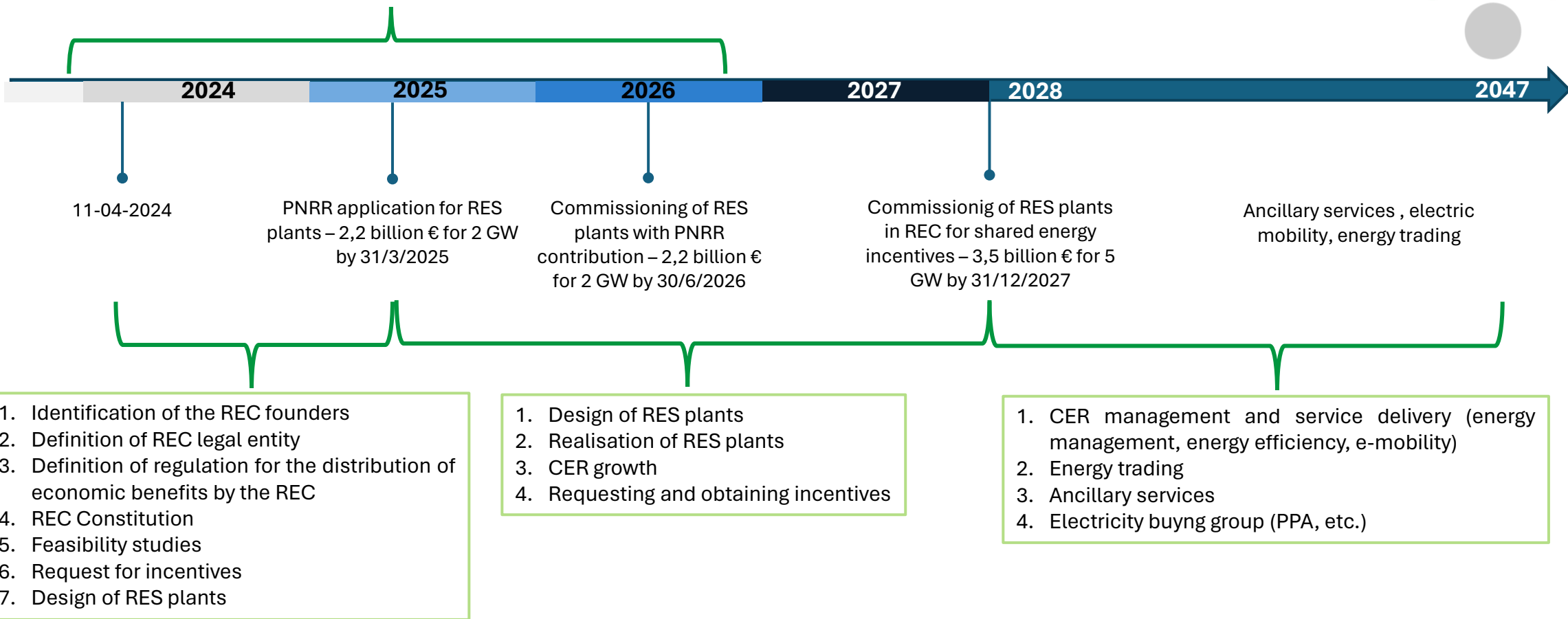
ONE STOP SHOP

- Design of technical assistance services to support citizens, SMEs and PA in the start-up and growth of a CER
- Implementation and/or enhancement of two WEB portals (IT and FR)
- Activation of OSSs and related consultancy services
- Training activities
- OSS business plan

COMMUNICATION

- OSS launch events
- WEB site, YouTube and social media account (LinkedIn e X)
- Communication activities aimed at creating a network of professionals, RES installation companies, useful for RECs
- Communication activities for user engagement

RECROSSES – TIMELINE Italian REC



RECROSSES – OSS in Italy



The OSS addresses the territory of the Autonomous Region of Valle d'Aosta, the Metropolitan City of Turin and the Province of Cuneo and provides the following services



Technical-legal consulting service



Training and info-day



Support in applying for incentives



Support in revenue sharing



network of installers



Link

Since 8 April, the RECROSSES IT portal has been operational through which it is possible to access the services offered by the Italian OSS

<https://www.sportelloenergia.envipark.c>



RECROSSES – Technical-legal consulting service



PROGETTO FOCUS CER SERVIZI NEWS

Consulenza tecnica-legale


Over-the-counter question and answer service. Through this service, a person interested in setting up a new REC or developing an already established ERC can send a question or query for technical or legal clarification. The OSS will reply by e-mail or by organising a specific remote meeting.

Activation of a cycle of meetings aimed at the establishment of a new REC or the development of an existing one, the cycle of meetings (on legal, technical and economic aspects) will be a maximum of 4 per REC



RECROSSES – Training and info-day



PROGETTO FOCUS CER SERVIZI NEWS 

Organizzazione giornate formative e informative

The service is aimed at both start-up and established RECs and includes the organisation of a training and information day for citizens, SMEs and both public and private entities on the topic of Renewable Energy Communities, in order to raise awareness and promote their establishment and development.

The Info-day will be organized as follows:

- duration between 2 and 4 hours depending on requests;
- it may take place either in person, or remotely
- the topics will be agreed between the applicant and the reference partners for the specific regional territory.



RECROSSES – Support in applying for incentives



PROGETTO FOCUS CER SERVIZI NEWS

Supporto al referente per la richiesta di incentivi

The support in applying for incentives is addressed to already established RECs and aims at providing help and support to the REC to facilitate the application process for the following types of incentives:

- Shared energy incentive tariff (DM 414/23) through the GSE portal
- PNRR grant for RES plants located in municipalities with a population of less than 5,000 inhabitants and included in CERs (DM 414/23) through GSE portal
- Regional incentives
- Incentives provided by Bank Foundations



RECROSSES – Support in revenue sharing



PROGETTO FOCUS CER SERVIZI NEWS

Supporto al referente riparto ricavi

The support in revenue sharing is addressed to already established RECs and aims at providing help and support in order to facilitate the activities of allocating the annual revenues among the REC members.

During the activity, the OSS will be able to suggest improvements to the regulation in order to be fairer and in line with the expectations of the CER, balancing the interests of producers and consumers in compliance with the provisions of DM 414/23.

Se ti interessa questo servizio invia la richiesta compilando uno dei due moduli sottostanti, a seconda del territorio di provenienza.

REGIONE PIEMONTE	REGIONE VALLE D'AOSTA
NOME*	NOME*
COGNOME*	COGNOME*
ENTE O IMPRESA DI APPARTENENZA*	ENTE O IMPRESA DI APPARTENENZA*
INDIRIZZO*	INDIRIZZO*
EMAIL*	EMAIL*
TELEFONO*	TELEFONO*
SERVIZIO RICHIESTO*	SERVIZIO RICHIESTO*
MESSAGGIO*	MESSAGGIO*
PRIVACY* <input type="checkbox"/> Spuntando questa casella accetti la nostra politica sulla PRIVACY	PRIVACY* <input type="checkbox"/> Spuntando questa casella accetti la nostra politica sulla PRIVACY
<input type="button" value="INVIA"/>	<input type="button" value="INVIA"/>

Interreg



Cofinancé par
l'Union Européenne
Cofinanziato
dall'Unione Europea



RECROSSES

France – Italia ALCOTRA

Thanks for your attention

Stefano Dotta – Environment Park
stefano.dotta@envipark.com

Interreg
Euro-MED



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the European Union

WELCOME

to the Institutional Dialogue Process!
Shaping Policies for Green Living Areas



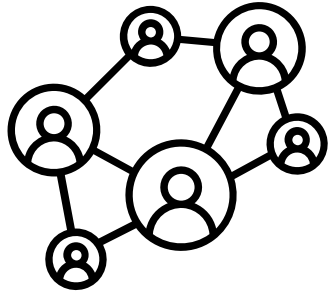
Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

What is the **Institutional Dialogue Process**' objective?



Supporting
Engagement and
cooperation

- **Amplifying** the transfer of policies by fostering dialogue among key Euro-Mediterranean policymakers and public stakeholders, for improved quality of life of citizens.
- **Assisting** Thematic Projects in strengthening implementation of their policy solutions and promoting their successful policy instruments.

Interreg
Euro-MED



Co-funded by
the European Union

What are the benefits of participating in the Institutional Dialogue Process?



Green living
areas

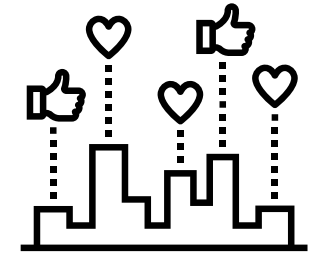
Interreg
Euro-MED



Co-funded by
the European Union

What are the **objectives of participating in the Institutional Dialogue Process?**

1. Adopting an action-oriented approach within the Institutional Dialogue Process
2. Sharing gained knowledge
3. Enriching solutions through dialogue
4. Discussion the existing/re-use/new policy instruments





EUROPEAN UNION



EU MISSIONS

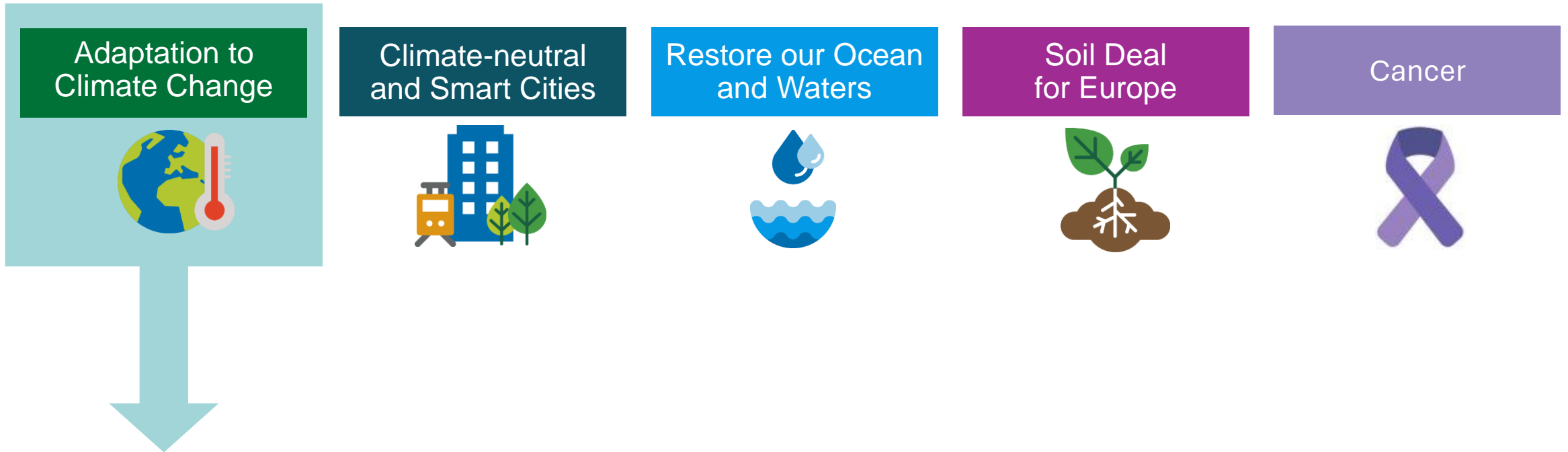
ADAPTATION TO CLIMATE CHANGE



#EUmissions #HorizonEU #MissionClimateAdaptation



EU Missions:



Objective: To support at least 150 European regions and communities towards climate resilience by 2030



EU Mission Adaptation to Climate Change

The Mission contributes to the implementation of the EU Adaptation Strategy by helping regions and local authorities to:

- Better understand the climate risks that they are and will be confronted with
- Develop their pathways to be better prepared and cope with a changing climate
- Test and deploy on the ground innovative solutions needed to build resilience to climate change

EU Adaptation Strategy Vision:
by 2050 the EU will be a climate-resilient society, fully adapted to the unavoidable impacts of climate change





Introducing MIP4Adapt

The **Mission Implementation Platform (MIP4Adapt)** supports European regional and local authorities prepare and plan their adaptation pathways to climate resilience by:

Using existing climate vulnerability and risk assessments to develop climate adaptation plans

Developing climate adaptation plans to address the identified climate vulnerabilities and risks

Stimulating engagement and mobilisation of citizens and stakeholders in inclusive approaches to climate adaptation



MIP4Adapt Support Offering

All regions and local authorities receive support, while the Charter Signatories have some additional benefits.

Regions and Local Authorities

- Access to knowledge and data resources on the Mission Portal
- Communications support
- Networking opportunities
- Events and workshops
- Access to Mission Solutions

Charter Signatories

- Technical Assistance: Designing climate adaptation pathways and solutions
- Technical Assistance: Facilitating access to funding for adaptation projects
- Citizen engagement training and support
- Networking opportunities with similar regions and share experiences
- Participation in webinars, dialogues, trainings, forums



1. The Community of Practice

Aims

1. To facilitate the exchange of knowledge and experience
2. To strengthen coordination and collaboration among participants

Participants

Charter Signatories
Friends of the Mission
Mission projects
National adaptation Contact Points
Member State authorities
European institutions

750+

members on the
online Community,
and growing!

Sign up to the online Community of Practice
[EUSurvey - Survey \(europa.eu\)](https://europa.eu/eusurvey)



2. Mission Projects

- A wide range of EU-funded projects have completed or are undertaking research and creating innovative solutions for climate adaptation.
- They are developing guidance, tools, data, and case studies to help regional and local authorities deliver the EU Mission on Adaption to Climate Change.

8

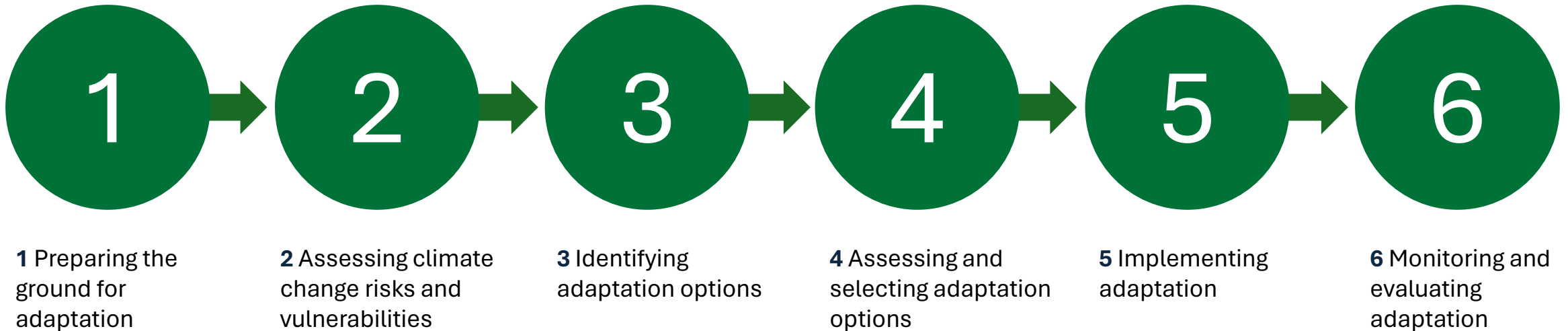


A list of EU Mission on Adaptation to Climate Change projects is available on the [Mission Portal](#)



3. Climate-ADAPT Tools

The **Regional Adaptation Support Tool (RAST)** provides guidance on each of the six steps that you need to consider during the adaptation planning process. These steps are:





3. Technical Assistance

MIP4Adapt's **technical assistance** provides regional and local authorities that are Charter Signatories with tailored support to:

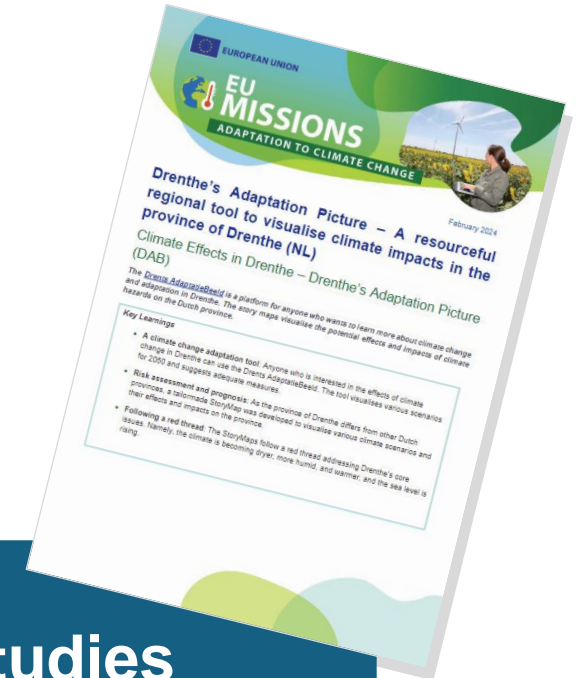
- Move from risk assessment to the development of adaptation pathways
- Identify appropriate climate adaptation demonstration projects, accessing relevant funding, and financing
- Stimulate citizens' and stakeholders' mobilisation and engagement in establishing transformative pathways towards climate resilience





Mission Solutions

- The Mission is developing solutions to support regions and local authorities in their adaptation journey.
- These solutions showcase the successful implementation of effective climate adaptation solutions across Europe.



Mission Stories

Mission Stories showcase real-life examples of regional or local actions around the planning, funding, implementing and monitoring of solutions to inspire others to take action on climate adaptation.

Mission Case Studies

Mission Case Studies offer extensive and thorough analysis of adaptation experiences in Europe, highlighting useful practices and transformative solutions.



Citizen Engagement Support

- MIP4Adapt has developed a “do-it-yourself” (DiY) manual for regional and local authorities to improve their citizen engagement plans and actions.
- Support is also available for Charter Signatories organising community-level events to engage directly with citizens and stakeholders as part of their climate adaptation efforts.





EUROPEAN UNION

EU MISSIONS
ADAPTATION TO CLIMATE CHANGE



Arcadia

URBREATH

GreenInCities

ReGreenation

Cascading Funding

Water Management

Citizen Engagement

Nature-based Solutions



Urban Greening

Mission Projects

Critical Infrastructure



Large-scale demos



Finance & Resource

Knowledge & Data



Economic Systems





Mission Forum

- 22 to 24 May in Brussels





EUROPEAN UNION



Thank you !

Elodie Bossio – Deputy director
FEDARENE

#EUmissions

#HorizonEU

#MissionClimateAdaptation

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Interreg EURO - MED EUCLID Institutional Dialogue Governance Project on Green Living Areas

POLICY MAKING IN THE GREEN LIVING AREAS CONTEXT

DIANA ZANABRIA

JORDI PASCUAL





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POLICY MAKING AND THE GREEN LIVING AREAS MISSION

Our main goal is to **transfer and mainstream results and policy transformation within and beyond the programme area**, ensuring a wider and holistic view aiming for an impact that surpasses our current implementation period.

For that...



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Strategic Synergy Identification and Collaboration Enhancement Among GLA Projects, the Program, and Other European & Mediterranean Initiatives

Support Through Key Policy Maker Engagement and Network Involvement

Exchange of Experiences and Knowledge Enhancement

Aligning with Global Trends and Adapting Continuously for a Lasting Mediterranean Impact

D4LA

Thematic Projects

Enhancing the **Transfer and Integration of Results for Policy**

Transformation—
Expanding Program Impact Beyond Boundaries and Supporting **Policy Design and Development.**

SUPPORT



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HOW WILL WE SUPPORT THE THEMATIC PROJECTS THROUGH SPECIFIC ACTIONS?

01

Successful reference cases across the Mediterranean for specific topics and issues.

- Policy mapping

02

Peer-to-peer exchange of experiences.

- Institutional Dialogue through the Living Lab methodology
- Future EUCLID association

03

Exchange and support with key stakeholders to ensure a wider and holistic view.

- Future EUCLID association

Integrating present and future Thematic Projects, their topics, needs and interest.

Considering suggestions from the JS and the program.



Involvement and recommendations from key policy related stakeholders in the mediterranean (external stakeholders).

Considering environmental governance trends at global, European, and Mediterranean levels related to policymaking (common issues and international agreements).

Adaptable to the interests and needs of Thematic Projects (current and future)



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BUT FIRST... TO WHAT TYPE OF POLICY ARE WE REFERRING TO?

To "**Policy Instruments**" referred to any **policy, strategy, or plan in any phase of policymaking**—such as discussion, pre-approval, negotiation, implementation, or completion—developed by public authorities and implemented to improve a specific territorial situation.

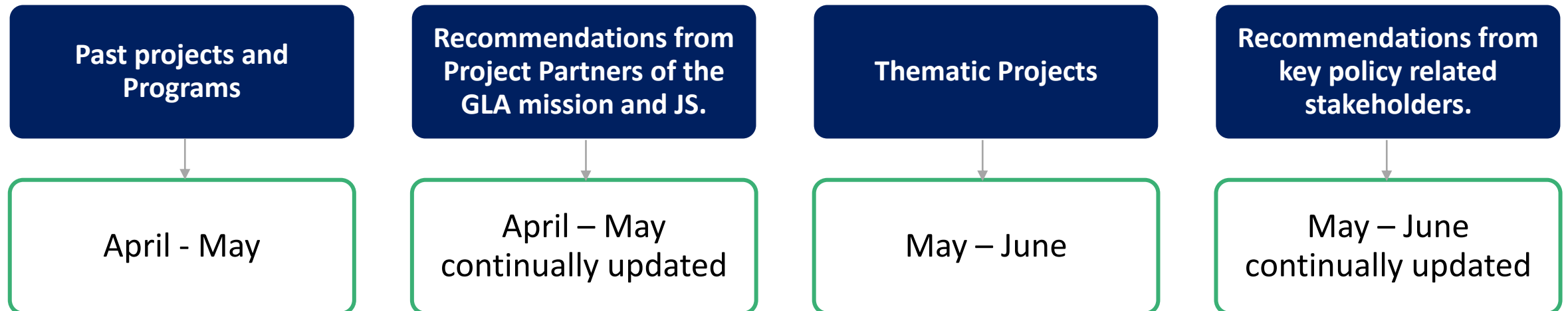
Source: Interreg Europe (n.d.)

<https://www.interregeurope.eu/originn/policy-instruments>



THE POLICY MAPPING

- Will be adapted throughout the program implementation period, to identify successful policies in the GLA topics.
- It will provide with key reference cases, innovative solutions, and adaptability, scalability and transferability scenarios.
- The mapping will from:





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•The ability to be applied easily in various contexts, adjust flexibly to different conditions, and expand or reduce its scope effectively, ensuring its broad applicability and effectiveness.

Adaptive Capacity



•The duration and timing of the policy instrument's applicability. This also includes its relevance and effectiveness throughout its lifecycle.

Temporality



•The geographical extent and specific areas affected by the policy.

Spatial scope



•Capability to enact foundational changes, not just address specific issues.

Structural policies (type of policies)



What to consider for successful cases in policy instruments?

•Policy's effectiveness in incorporating diverse stakeholder input during formulation, fostering community involvement in its implementation, and ensuring cross-cutting inclusivity (gender, disability, etc.) throughout all phases.

Participatory approach



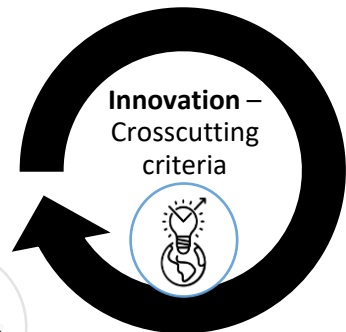
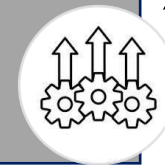
•The financial feasibility of the policy, including cost-effectiveness, budget allocation, and financial sustainability.

Financial Operability



•How feasible it is to implement a policy in terms of management, considering the simplicity or complexity of its operational execution.

Management Operability



Innovation – Crosscutting criteria



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UNDERSTANDING YOUR NEEDS AND EXPECTATIONS...

In a week we will launch an **online questionnaire for all Project Partners from the GLA Thematic Projects**. Our aim is to grasp the policy needs of Thematic Projects, enhancing our support and advocacy for Green Living Areas policies throughout the Mediterranean.

Your inputs are crucial for our shared success.

LET'S STAY CONNECTED!

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Public transversal Euro Mediterranean Living Lab(EUCLL)

Marina Kouta
Yorgos Stephanedes



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ



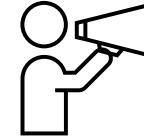
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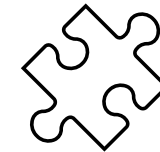
Policy Labs



User engagement



Multi-stakeholder
participation



Co-creation

- Are **dedicated teams** developing public policy using **innovative methods involving all stakeholders in the design process**

Policy labs as an **engagement approach** for facilitating research evidence uptake into policy and practice. > Policy Dialogue

Engaging with policymakers and the policymaking process requires collaborative working models, navigating through the experiences, values and perspectives of policymakers and other stakeholders, as well as communicating evidence in an accessible manner.

Hinrichs-Krapels, et al. (2020)

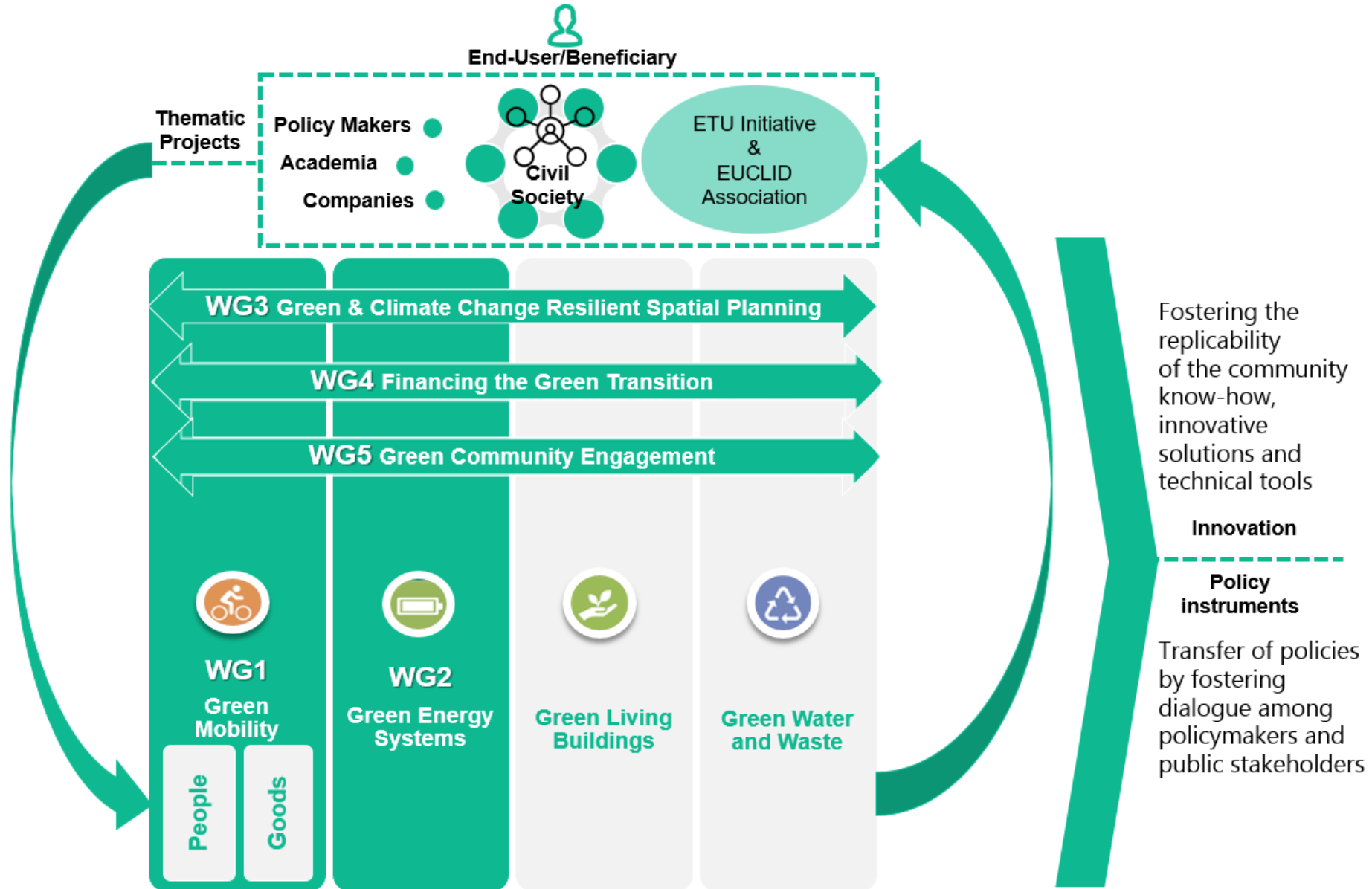


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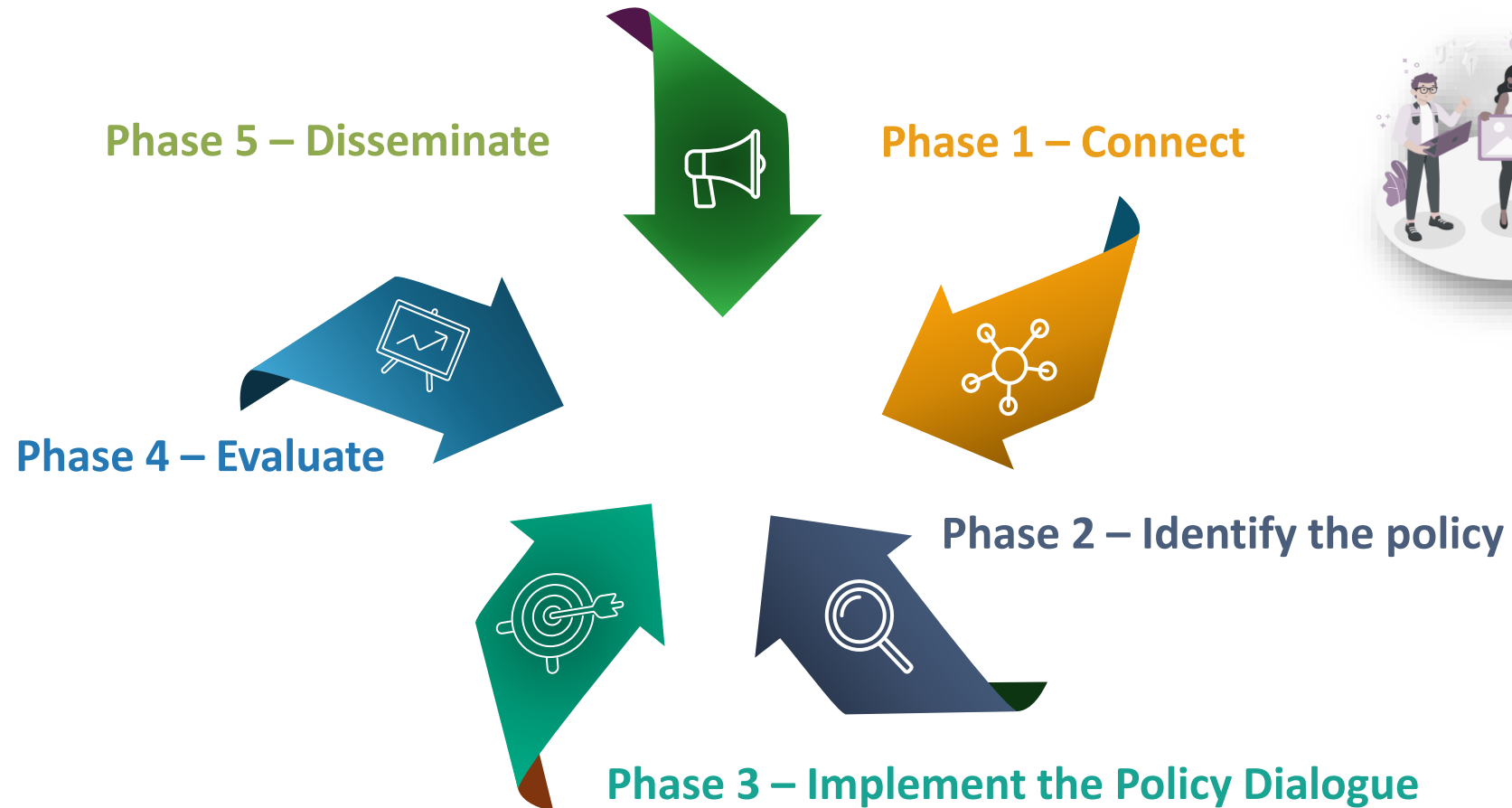
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EUCLL Approach & Set-Up





Phase 1 – Connect

- Step 1: Contact Database for Thematic Projects representatives in WGs.
- Step 2: External Euro-Mediterranean policymakers in the Green Living Areas aspects

**Where
are
we
now?**

Phase 2 – Identify the Policy

Step 1: Out of the policy mapping and 1st evaluation.

Step 2: For the three (3) mature priority issues per Working Group → jointly decide the **highest priority** issue using a **set of criteria** and **prepare the evidence-based analysis** for them!



Phase 2 – Identify the Policy **Criteria for Priority**

Criteria Category	Question
Impact	How big is the problem? 1.1 Thematic Coverage 1.2 Geographical Coverage
Improvability	Are there significant gaps between best practice and standard practice? Is there evidence that existing gaps can be narrowed or eliminated? 2.1 Gap between best practice and standard 2.2 Evidence-based, Empirical-based or Research-based background to support the dialogue 2.3 The progress (concerning the gap) that can be covered in a 3-month period
Representation	Is there sufficient and suitable representation in the EUCLL membership? 3.1 Evaluate if the contact database for the stakeholders includes suitable/committed candidates to perform the dialogue
Inclusiveness	Will addressing the priority area equally improves the quality of life of people across the Mediterranean area? 4.1 Impact in Society
Readiness	Is there any identified policy readiness that awaits our action? 5.1 Maturity of policy recommendation



Phase 4 – Evaluate

- *“Satisfaction and positive feedback from stakeholders regarding the inclusivity, transparency, and effectiveness of the policy dialogue process will be the main request for this process.”*

In this phase, **the evaluation of both the policy dialogue process and the improved policy solution will take place.**

Assess whether the proposed solutions will **affect on existing policy solution/new policy formation**, to what extend and over what period of time.



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Phase 5 – Disseminate

“Build consensus among political leaders to support and implement policies arising from the dialogue.”

The aim is to **communicate the results**, to **share gained knowledge and solutions** and to expand the network of stakeholders and to **enrich the solutions through continuous dialogue.**

Support of the Communication Team!



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Milestones



April '24

May '24

June '24

July '24

September '24

October '24



Let's start!



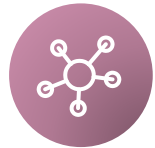
Policy Instruments

Through questionnaire survey



Survey

Analysis and integration



Stakeholder Mapping

Working Groups meetings



2024-2025 Core Group

Engaging Externals



Final Policies
Evidence-based analysis



1st Institutional Dialogue

European Week of Regions and Cities (EUWRC 2024)





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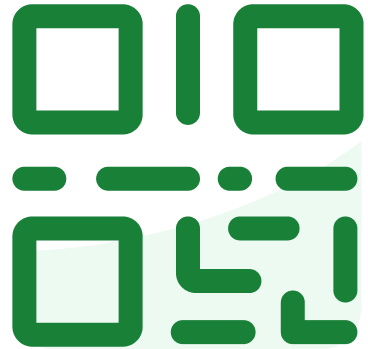
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Time to meet you!



slido

Join at slido.com

#2177554

ⓘ Start presenting to display the joining instructions on this slide.



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What is a Green Living Area **for us?**

Our team has properly defined the green living areas to provide a common understanding of this term

“A **Green Living Area** is the **effective integration of physical, digital, and human systems** in an area, supported by sustainable, continuously **improved policies through institutional dialogue**, to deliver a sustainable, equitable, prosperous, and inclusive future, and quality of life for its citizens”



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SWOT Analysis



STRENGTHS

Use one word to describe the Strengths
of a green living area:

S

WEAKNESSES

Use one word to describe the Strengths
of a green living area:

W

Use one word to describe the
Opportunities of a green living area:

OPPORTUNITIES

O

Use one word to describe the Threats of a
green living area:

THREATS

T

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**What are the upcoming steps
for the Institutional Dialogue Process?**



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Green Living Areas Institutional Dialogue

October 2024

Brussels, Belgium

First Institutional Dialogue, in the frame of the **European Week of Regions and Cities** (EUWRC 2024), in Brussels on 10th of October 2024!





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Find out more on our channels

Website

<https://green-living-areas.interreg-euro-med.eu>

Email Institutional Dialogue

dialogue4livingareas@interreg-euro-med.eu

Newsletter

[sent every six months](#)



Stay tuned!



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D4LA Partners

MÉTROPOLE NICE CÔTE D'AZUR



BERNARD MASSABO
bernard.massabo@nicedote.dazur.org



ALISON TORTI
alison.torti@nicedote.dazur.org



M. BELEN BENZAQUEN
benzaquenmaria.belen@gmail.com



HRVOJE MARAS
hmaras@regea.org

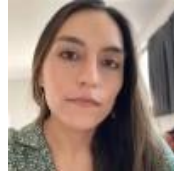


MIHAELA BABIČ
mbabic@regea.org

IREC^R
Shaping Energy for a Sustainable Future



JORDI PASCUAL
jpascual@irec.cat



DIANA ZANABRIA
dzanabria@irec.cat

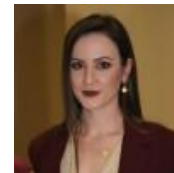


MICHELA FOSSA
fossa@ireliguria.it

UNIVERSITY OF PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

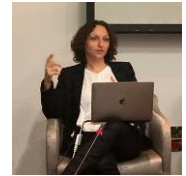


YORGOS STEPHANEDES
ystephanedes@upatras.gr



KOUTA MARINA
marina.kouta@g.upatras.gr

ANAPTYΞΙΑΚΗ ΛΑΡΝΑΚΑΣ & ΑΜΜΟΧΩΣΤΟΥ
LARNACA & FAMAGUSTA DISTRICTS DEVELOPMENT AGENCY



EUDOKIA BALAMOU
ebalamou@anetel.com

POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

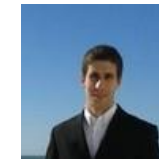


CLAUDIA RIBEIRO
CRibeiro@polisnetwork.eu



CARLOTTA INSERRA
Cinserra@polisnetwork.eu

LISBOA E+NOVA
Agência de Energia e Ambiente de Lisboa



RUI MENDES
ruimendes@lisboaenova.org

AEE
Agency for Energy Efficiency

KAMELIA TAJAJ
Kamelia.Tafaj@eficenca.gov.al



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What's new for Green Living Areas?

14.30 – 16.15:

Session 3 – How can citizens be engaged with the green transition at the local level?

Moderators: Mihaela Babić and Hrvoje Maras (REGEA)

Introduction – Hrvoje Maras (REGEA)

Solutions for engagement of citizens from the Green Living Areas Community:

1. Cristina Daniel (Energy and Environment Agency of Arrabida) – INFIRE project
2. Yolanda Nicolau (Valencian Federation of Municipalities and Provinces) – LOGREENER project
3. Eudokia Balamou (ANETEL) – NUDGES project

Panel session – Experiences with citizen involvement and advice for the new projects:

Moderators: Mihaela Babić and Hrvoje Maras (REGEA)

Panelists:

1. Francesco Filippi (MUSOL Foundation) – LOCAL4GREEN project
2. Oriana Corino (Fondazione Compagnia di San Paolo) - One-Stop-Shop for Citizens
3. Oliver Gajda (EUROCROWD) - Greenfoot Project
4. Lizeth Lopez (ALDA Europe) – Greenscape CE project

Closing remarks – Hrvoje Maras (REGEA)



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Why do citizens matter in the process of green transition?

- The green energy transition needs to be inclusive and fair – this can only happen with greater participation and engagement of citizens
- Social aspects of the green energy transition have to complement the technological advancements
- The EU seeks to strengthen the rights of citizens to produce, sell, store and consume renewable energy with ease and support, and without discrimination – moving away from the role of passive consumers to active prosumers and investors
- Local Authorities are in control of only a fraction of greenhouse gas emissions – collaboration with other stakeholders is crucial to achieve bigger impacts



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Why do citizens matter in the process of green transition?

- Local Authorities are the closest body of government to citizens
- Community or citizen ownership of energy initiatives developed by Local Authorities can take different forms of cooperation, through:
 - Financial stakes in community initiatives/projects
 - Co-creation of initiatives/projects or local policies
- Local Authorities need to be more approachable – adopting an open-door policy and allowing citizens to participate in the development of projects or policies more easily
- Awareness raising, providing financial or technical support for citizens' own energy and climate-related projects should be ensured by the local or regional authorities
- Fostering trust between both parties is the key goal to a successful energy transition



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Solutions for engagement of citizens from the Green Living Areas Community:

- 1. INFIRE** - Cristina Daniel (Energy and Environment Agency of Arrábida - ENA)
- 2. LOGREENER** - Yolanda Nicolau (Valencian Federation of Municipalities and Provinces - FVMP)
- 3. NUDGES** - Eudokia Balamou (Larnaca-Famagusta District Development Agency - ANETEL)



“INFIRE”

INnovative FInancing solutions for climate planning of REsilient and carbon neutral living areas

What's new for Green Living Areas?

Green Living Areas Thematic Community Kick-off event

11th of April 2024

Torino, Italy

Solutions for engagement of citizens from the Green Living Areas Community

Cristina Daniel



Our organisation



ENA – Energy and Environment Agency of Arrábida

Energy efficiency, renewable energies, environmental good practices towards energy transition, sustainable development

Non-profit association

Created in **2006** by the municipalities of Setúbal, Palmela and Sesimbra

Supported by IEE Programme.

25 associated members

3 Municipalities

Territory with **890 km²**

244 000 inhabitants

2 ongoing SECAPs

Arrábida Territory: heavy and cutting-edge technology industry, forest, agriculture and handicraft activities, tourism infrastructures and large natural areas.

ENA intervention:

PLANNING (Electric Mobility Plan, Local Climate Change Adaptation Plans and SEAPs/SECAPs - Covenant of Mayors, Local Roadmaps for Climate Neutrality Transition),

CIRCULAR ECONOMY (grape and wine process production),

CAPACITY BUILDING (decision support tools regarding energy efficiency in public buildings),

AWARENESS (community involvement in behavioural change through pedagogical tools) and

TECHNICAL SKILLS (support in energy management, in the design of energy efficient infrastructures, energy audits and implementation of energy management systems).



INFIRE

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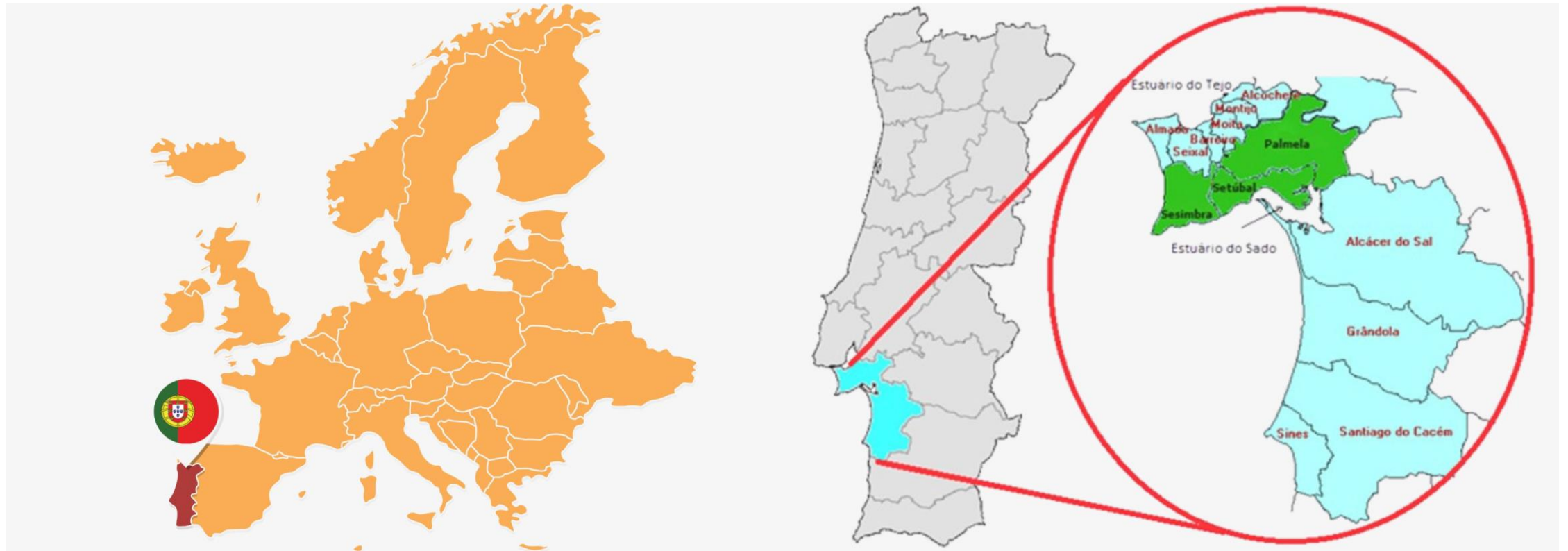
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Where we are

PORTUGAL

Region of Lisbon and Tagus Valley / Setúbal Peninsula

Arrábida Territory (Municipalities of Setúbal, Palmela & Sesimbra)



INFIRE consortium

PARTNER	FULL NAME	COUNTRY
LP1 REGPEL	<i>REGION OF PELOPONNESE</i>	GREECE
PP2 ENA	<i>Energy and Environment Agency of Arrábida</i>	PORTUGAL
PP3 REAP	<i>Regional Energy Agency of Pazardzhik</i>	BULGARIA
PP4 SERDA	<i>Sarajevo Economic Region Development Agency</i>	<i>BOSNIA AND HERZEGOVINA</i>
PP5 AREA	<i>AREA Science Park</i>	ITALY
PP6 REGEA	<i>North-West Croatia Regional Energy Agency</i>	CROATIA
PP7 DVISION	<i>Dynamic Vision</i>	GREECE
PP8 AURA-EE	<i>Auvergne Rhône-Alpes Energy Environment Agency</i>	FRANCE
PP9 ATMO AURA	<i>Atmo Auvergne-Rhône-Alpes</i>	FRANCE
PP10 Karlovac	<i>City of Karlovac</i>	CROATIA



Our role in INFIRE



Network with project partners and stakeholders for improved and shared skills in energy transition and decarbonisation pathways |

Share experience in Climate Adaptation and Carbon Neutrality planning, implementing and monitoring |

Coordinate WP3 - Testing and demonstrating the viability of concrete CACN solutions in involved Euro-MED living areas |

Stakeholders' mapping, engagement and training |

Support pilot entities in establishing and monitoring climate adaptation and carbon neutrality solutions |

Enhance and improve urban green areas' implementation and monitoring through pilot testing |

Work with pilot municipalities to address the lack of skills and resources, enhancing resilience to the energy crisis and climate change |

Raise awareness, build capacity and motivate decision makers, politicians, technicians, civil society, and citizens regarding climate change causes and effects.



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Engaging citizens through INFIRE



Objective

- ❖ To increase citizens' and stakeholders' engagement and participation through cocreation processes, contributing to behavioural change for greener Euro-MED living areas;
- ❖ To build capacity through training and testing, for implementing and monitoring climate adaptation and carbon neutrality solutions for greener Euro-MED living areas.



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Activities Overview

- ❖ Set up and test concrete solutions
 - Biosolar green roofs in the City of Karlovac (HR)
 - Nature-based solutions for urban areas in Arrábida (PT)
 - Nature-based solutions in municipal schoolyards in Belleville (FR)
 - EE heating and cooling for municipal buildings in Centar Sarajevo (BA)
 - Energy Help Desk for citizens to tackle energy poverty in Peshtera (BG)
 - Mobility Hub incorporating RES and NBSs in the centre of Kalamata (EL)



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Activities Overview (cont.)

- ❖ Establishment of 2 thematic clusters of pilots on Climate Adaptation and Carbon Neutrality (CACN)
- ❖ Formal collaboration agreements developed for each pilot
- ❖ Cocreation processes with citizens and relevant stakeholders to identify, develop and test innovative approaches and tools to CACN
- ❖ Creation and launching of a joint communication strategy and toolkit
- ❖ Roll-out of citizens and stakeholders' campaigns
- ❖ Establishment of working groups and dedicated local events



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Engagement critical steps

- ✓ Criteria for key stakeholders' identification in pilot territories
- ✓ Mapping key stakeholders for each pilot
- ✓ Contact and raise interest of relevant stakeholders
- ✓ Build and roll-out the citizens' campaigns
- ✓ Cocreation processes' preparation and set up
- ✓ Design and implementation of communication and dissemination activities for the GLA Community





INFIRE

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Thank you!

Cristina Daniel

ENA

cristina.daniel@ena.com.pt



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ
**ΠΕΡΙΦΕΡΕΙΑ
ΠΕΛΟΠΟΝΝΗΣΟΥ**



Sarajevska regionalna
razvojna agencija
SERDA
Sarajevo Economic Region
Development Agency



**Auvergne
Rhône-Alpes**
Énergie Environnement





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Green Living Areas Thematic Community

Kick-off event

Turin, 10th – 11th April 2024

Session 3 – How can citizens be engaged with the green transition at the local level?

LOGREENER Project

Yolanda Nicolau

Valencian Federation of Municipalities and Provinces



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1. Project overview



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Composing Local Green Energy Transition LOGREENER

What is our project objective?

Improve the capacities of local authorities to plan and deploy sustainable energy transition local plans, creating an optimized and comprehensive toolbox, based in the results of 3 Interreg MED projects: COMPOSE, PRISMI and LOCAL4GREEN.



LOGREENER

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LOGREENER TOOLBOX IS BASED IN COMPOSE

Platform to access tools and resources to foster more efficient implementation of energy planning, with RES and energy efficiency measures, using a methodological approach to engage the local stakeholders and integrating not only technical aspects, but also socio-economic and environmental aspects



LOGREENER

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LOGREENER TOOLBOX IS BASED IN PRISMI

Toolbox to identify the most promising Renewable Energy Sources (RES) that should be exploited in each territory and to collect the necessary data for an appropriate Energy plan



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LOGREENER TOOLBOX IS BASED IN LOCAL4GREEN

Tools to define and implement innovative local fiscal policies to promote RES:

- International and National Handbooks on green fiscal policy models
- Methodology to design local fiscal policies to promote RES

Engaging the citizens in the energy transition as they are the direct beneficiaries of the green fiscal policies



What is LOGREENER Target group?

Local Authorities and key multiplier stakeholders

When we do it?

From 1 January 2024 – 31 March 2026 (27 months)



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1. Project overview

Who we are?

- Valencian Federation of Municipalities and Provinces, FVMP, from Spain
- MUSOL Foundation, MUSOL, from Spain
- National Union of Municipalities and Mountain Authorities – Lazio Region Delegation, UNCEM Lazio, from Italy
- Technical University of Crete, TUC-ReSEL, from Greece
- University of Zagreb – Faculty of Mechanical Engineering and Naval Architecture, UNIZAG FSB, from Croatia
- Leader network Croatia, LmH, from Croatia
- Department for Development and International Projects of Zenica-Doboj Canton, DDIP ZDC, from Bosnia-Herzegovina
- Local Energy Agency Spodnje Podravje, LEASP, from Slovenia



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Who will participate as Associated Partners?

- 8 municipalities (pilot municipalities where the LOGREENER toolbox will be applied)
- 8 Key multiplier stakeholders (associations/network of municipalities, regional authority, research centre, university, commerce chambers network, local action group)





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2. Project Work Plan



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2. Project Work Plan

WP1 – Delivering an optimized toolkit to support planning and implementation of local energy plans

Upscale the results of COMPOSE, PRISMI and LOCAL4GREEN projects (Interreg MED 2014-20) and deliver an optimized holistic approach and an integrated toolkit for local authorities to improve their capacities to efficiently plan and deploy the local sustainable energy transition



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WP2 – Application of the integral toolkit to plan and deploy the local sustainable energy transition

Transfer the toolkit to key multiplier stakeholders and concretely to local authorities, in order to ensure a wider application of the output for the local energy transition planning processes



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WP3 – Impact Amplification of the joint transferable solutions in collaboration with the TCP and IDP

Ensure the impact amplification of the project joint transferable solutions in collaboration with TCP and IDP, enabling further exploitation of the project's tools and their integration in multi-level policy making



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3. Deliverables



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3. Deliverables

WP1

- Create an optimized toolkit built on the synthesis of the upscaled outputs of COMPOSE, PRISMI and LOCAL4GREEN
- Elaborate a teaching pack on the tool application: training modules and training videos to transfer the toolkit
- Produce peer-to-peer learning videos on the transferring of the toolkit (1 per country): summary of the application in the municipalities of the toolkit



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WP2

- Elaborate executive summaries on the process of application of the energy planning toolkit in municipalities: summarize the training and technical support process provided to each receiver municipality and the local policy impact of the application of the toolkit



WP3

- Elaborate tailored reports of the partners' participation in networks or other organizations events to disseminate the toolkit
- Produce International and National policy papers with recommendations to facilitate the local energy transition processes



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4. Outputs



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4. Outputs

WP1

- Jointly developed toolkit for local authorities to plan and deploy the sustainable energy transition built on the synthesis of the upscaled outputs of COMPOSE, PRISMI and LOCAL4GREEN

WP2

- New/updated energy transition local plans drafted with the support of the project's toolkit and technical support (6 local plans, 1 per partner country)



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WP3

- Local authorities and multiplier organizations cooperating across borders to transfer and capitalize the project's toolkit for local authorities to plan and deploy the sustainable energy transition (24 organizations: 8 partners + 16 associated partners)





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5. Beneficiaries



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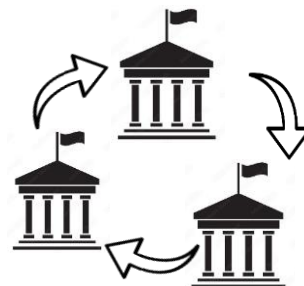


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5. Beneficiaries



Local, regional, and national policymakers



Associations of municipalities



Regional development and energy agencies



CoM coordinators and other organizations supporting municipalities in the energy transition in EuroMED, NEXT MED, SUDOE and POCTEP areas



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Thank you!

Yolanda Nicolau
European Projects Manager

ynicolau@fvmp.org



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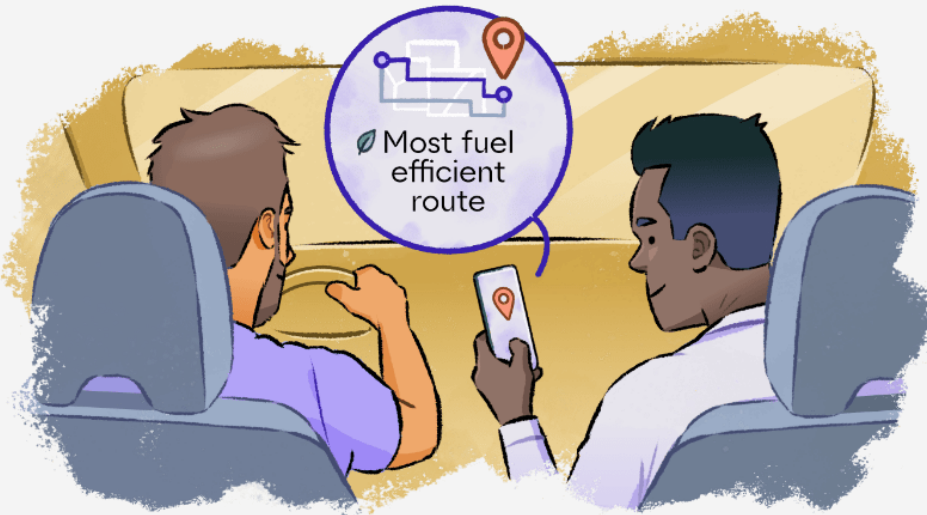


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Novel Support tools to Mediterranean Governments Exploiting Behavioural Incentives - NUDGES

The NUDGES project



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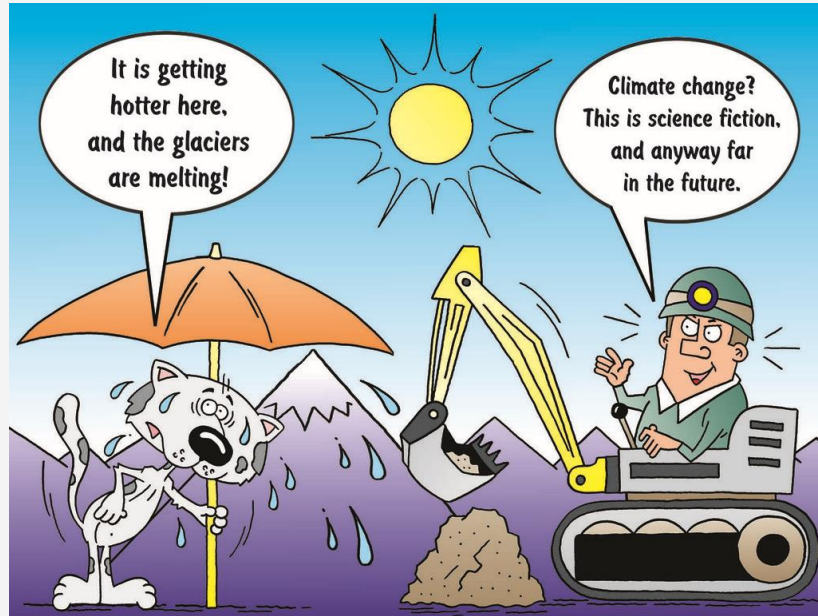


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Challenges Addressed



Gaps

- climate responsible attitudes and behaviours
- knowledge gap at policy level for potential of climate nudges
- lack of evidence for the intertwining of cultural and behavioural aspects

lee

Green > Nudges

...are interventions, big or small, that aim to influence behaviour to make people act more sustainable.

zz

green-nudges.com



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Objective



Leveraging the territorial diversities and cultural commonalities of Mediterranean countries - for the successful integration of "nudging" strategies into the urban climate change mitigation and adaptation policies of MED local, regional and national public authorities.

Creating a new and innovative community of interest and a Transferability Plan paving the way to additional research action in this domain

How we will do it?

6 experimental pilots

- potential behavioural influence of collective sensorial experiences (Sight, Hearing, Smell, Taste and Touch).
- Transversal pilot focusing on new generations.



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Partnership



8 Project Partners

- ❑ Larnaca and Famagusta Districts Development Agency - Cyprus
- ❑ MUSOL Foundation - Spain
- ❑ E-institute – Slovenia
- ❑ University "G. d'Annunzio" of Chieti and Pescara – Italy
- ❑ Aristotle University of Thessaloniki – Greece
- ❑ Knowledge Network Ltd – Croatia
- ❑ Development Agency of City of Prijedor "PREDA" – Bosnia and Herzegovina
- ❑ Museum of Humor and Satire – Bulgaria



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9 Associate Partners



Project Work Plan



WP1

**State of the art and
study directions**

WP2

Feasibility Proofing

WP3

**Assessment and Stock
Taking**

WP4

Compulsory Activities



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WPI: State of the Art and Study Directions



Identify by a suitable methodology of adoptable and replicable approaches to valorising "nudges" as policy tool

- ✓ Overlooking existing knowledge
- ✓ Creating a good practice database
- ✓ Defining a study methodology
- ✓ Sharing the project's substance
- ✓ Activating target policy communities



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WP2: Feasibility Proofing



SIX PILOT ACTIVITIES

The power of visuals

Bulgaria

Lunching a small idea contest for young artists in the production of drawings and cartoons

Sound inspiration

Spain

citizen awareness on effect of climate change on the "sounds" of the City – ways to reduce the carbon footprint of human activities

A Smell of Change

Slovenia

citizen awareness on effect of climate change on the "smells" of the City – visits to local points of the city to reduce the carbon footprint

Tasting the transformation

Greece

connections of products and recipes of the Mediterranean Diet and the risks and challenges of global warming and climate change

Touching the untouchable

Italy

Involve people from a socio-economically deprived neighbourhoods

Next generation citizens

Bosnia and Herzegovina

Attracting adults in common activities for the improvement of urban environment ⇒ to influence children's behaviours



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**SIX PILOT
ACTIVITIES**



**Set up local
stakeholder
committees**

Three moments of evaluation



The evaluation includes assessing behavioral changes related to cultural interventions, nudges, and a culturally similar control group,

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CULTURAL
INTERVENTIONS

CONTROL GROUP



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WP2: Feasibility Proofing

Analysis to examine similarities and critical points

Access three types of interventions with psychometric scale questionnaires



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A nudge intervention consists of using small clues or suggestions to influence people's behaviour in a positive way, without restricting their choices or coercing them in any way.



CULTURAL INTERVENTION

These interventions not only provide rational information, but also seek to engage emotions and work with existing social and cultural norms to promote desired behaviour.



CONTROL GROUP

We speak of components of a scientific study or experiment in which the participants do not receive any experimental treatment or intervention.



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WP3: Assessment and Stock Taking

Lessons from the results of the six pilots and evolve to a more structured reflection, clearly identifying needed future steps

Scaling up, out and deep potentials: A survey and interviews for collecting additional evidence from the pilot sites on the scalability potentials of used nudges/ comparative analysis of the 6 pilots and suggestions for future improvement

Building a Euro-MED community of interest: A strategy for the use of "nudges" as a tool for environmental policy making/ NUDGES Manifesto

Looking to the South of Mediterranean: Exploit existing links and partnerships with public institutions, academia and other stakeholders



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WP3: Assessment and Stock Taking

Lessons from the results of the six pilots and evolve to a more structured reflection, clearly identifying needed future steps

Packaging the results and lessons learned: Policy Brief and blueprint with a thorough description of the project rationale, aims, actual deliveries, value and potentials, aimed at a non-expert policy readership

Organising a final conference in Thessaloniki

Looking to the South of Mediterranean: Exploit existing links and partnerships with public institutions, academia and other stakeholders



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Project Outputs



- **Potential members of the soon to be established NUDGES community of interest**
- **NUDGES blueprints**
Jointly developed NUDGES blueprint grounded on the results of the 6 pilots oriented towards transnational replicability and transferability of the obtained result.
- **NUDGES Action Research Agenda for 2027**
List of priorities on fastening the pace of climate mitigation and adaptation actions in MED cities, and deepening the research and action focus on the connections between cultural policies and practices and the diffusion of environmental concerns and virtuous practices among the population.



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Project Results

Result 1: Joint strategies and action plans taken up by organisations

Target Value: 1 joint strategy/ action plan

Corresponding to the output indicator 3.1. NUDGES Manifesto the institutions adhering to the proposed community of interest will formally endorse this document (120 institutions).

Result 2: Solutions taken up or up-scaled by organisations

Target Value: 1 applied solution

Packaging the key results of pilot actions in a way that can be easily communicated, understood, and replicated in other contexts

Result 3: Organisations with increased institutional capacity due to their participation in cooperation activities across borders

Target Value: 12 organizations

Corresponding to the number of partners and associate partners of the project



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Beneficiaries



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THANK YOU FOR YOUR ATTENTION!!!



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Panel session: experiences with citizen involvement and advice for the new Euro-MED projects

1. **Francesco Filippi** (MUSOL Foundation)
2. **Oriana Corino** (Fondazione Compagnia di San Paolo)
3. **Oliver Gajda** (European Crowdfunding Network - EUROCCROWD)
4. **Lizeth Lopez** (ALDA Europe)



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Green Living Areas Mission Partners

• Thematic Community Project



• Institutional Dialogue Project



Let's work together!



Find out more on our channels



<https://green-living-areas.interreg-euro-med.eu/>



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