

Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Let's build the Green Living Areas Thematic Community!



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



**Co-funded by
the European Union**



**Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط**

A project labelled by the UfM

Let's build the Green Living Areas Thematic Community!

Chairwoman: Alexia Boulanger – Environment Park

9.15 – 9.30: Welcome from Giacomo Portas, President of Environment Park, Judith Cazas – Interreg EURO-MED Programme and Danilo Ceh – C4LA lead Partner

9.30 – 9.45: Motivational speech from Prof. Guido Saracco, Politecnico di Torino

9.45 – 11.20: Session 1 – Who are we, and what is our action plan?

Moderator: Laia Vinyes, MedCities

Presentation of the C4LA & D4LA projects (10 min)

3 minutes pitch to present Thematic Projects

11.20 – 11.45: Coffee Break

11.45 – 13.15: Session 2 – The Ecosystemic Transition Unit model for the Green Living Areas (Co-creation Workshop)

Moderator: Joanna Grodzka, EMEA

Presentation of the ETU model of the Renewable Energy project & testimonials

Co-creation of the Ecosystemic Transition Unit model for the Green Living Areas

13.15 – 14.30: Lunch Break

14.30 – 15.45: Session 3 – Let's work together!

Thematic Working groups

15.45 – 17.00: Community building activity

Networking cocktail



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Welcome and Greetings

Davide Damosso, Operative Director of Environment Park

Judith Cazas – Interreg EURO-MED Programme Officer

Danilo Ceh – Community4LivingAreas lead Partner

Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 1 – Who are we, and what is our action plan?



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union

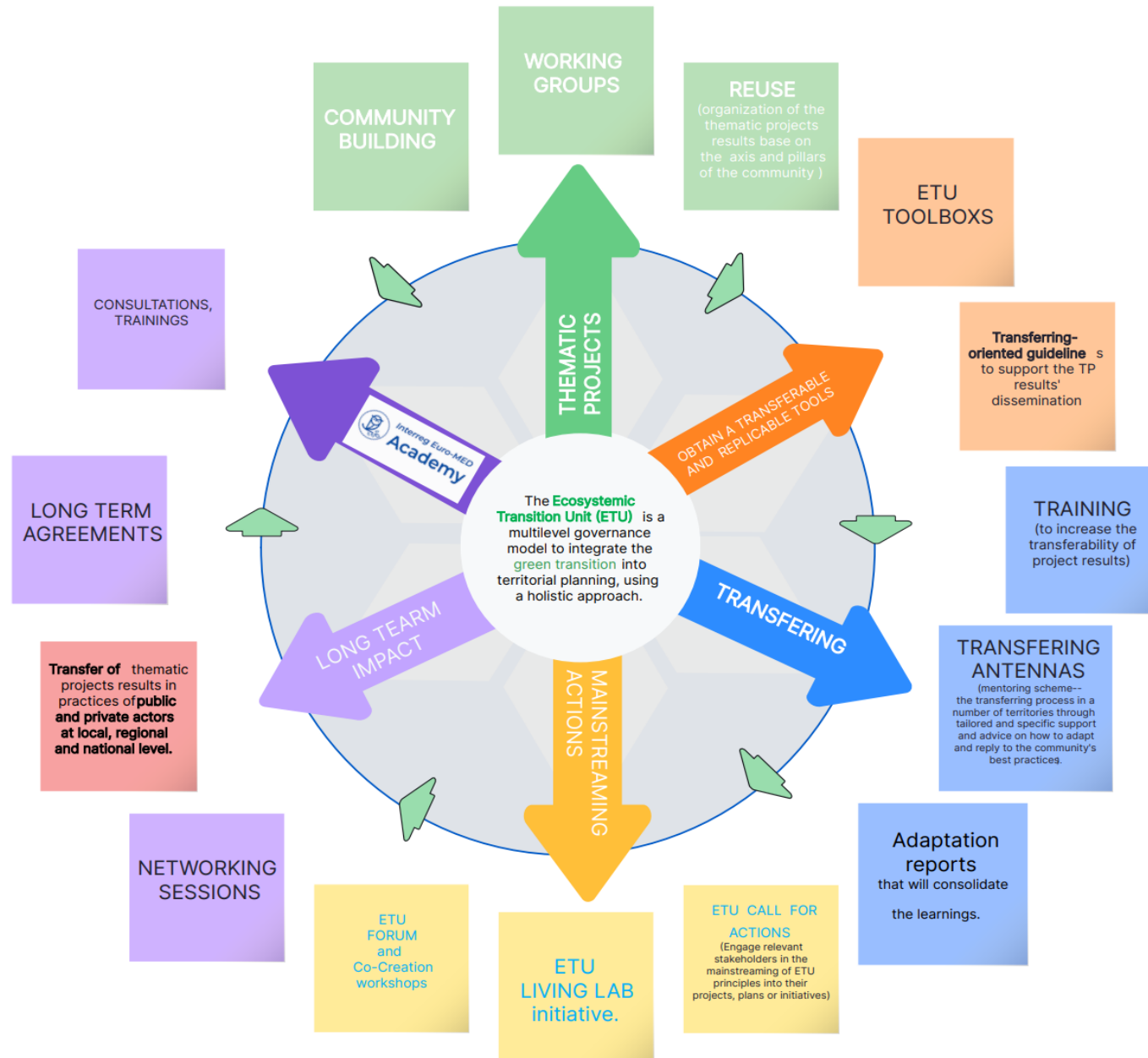


Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Community4LivingAreas – C4LA

**Danilo Ceh – SCIENTIFIC RESEARCH CENTRE BISTRA PTUJ
Lead Partner**





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Dialogue4LivingAreas - D4LA

**Bernard Massabo – Metropolis City of Nice
Lead partner**



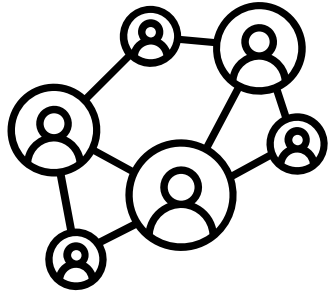
Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

What is the **Institutional Dialogue Project**' 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.

Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 1 – Thematic Projects pitches First round



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

ArtMED - Planning for autonomous mobility on demand in the Euro-MED area

Mitja Kobe
Coordinator, Municipality of Postojna



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

ArtMED aims to support public (transport) authorities to better plan for the integration and deployment of autonomous mobility on demand. Our project aims to address challenges faced by sparsely populated areas that make transportation difficult for residents. We aim to incorporate autonomous vehicles as means of transportation which would reduce emissions and cost while improving efficiency. Also transportation would be available on demand which would lower the cost of public transport and make schedules of routes and routes themselves more flexible for passengers. With the creation of vision statements, investment plans and transport model designs, project will pave the way for more accessible, inclusive and environmentally friendly public transport systems in underserved regions.





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Bauhaus4MED

Darko Ferčej

E-zavod, head of EU project Unit





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

BauNOW

BLAŽ, Barborič
project manager



Green living areas

Interreg Euro-MED



Co-funded by the European Union

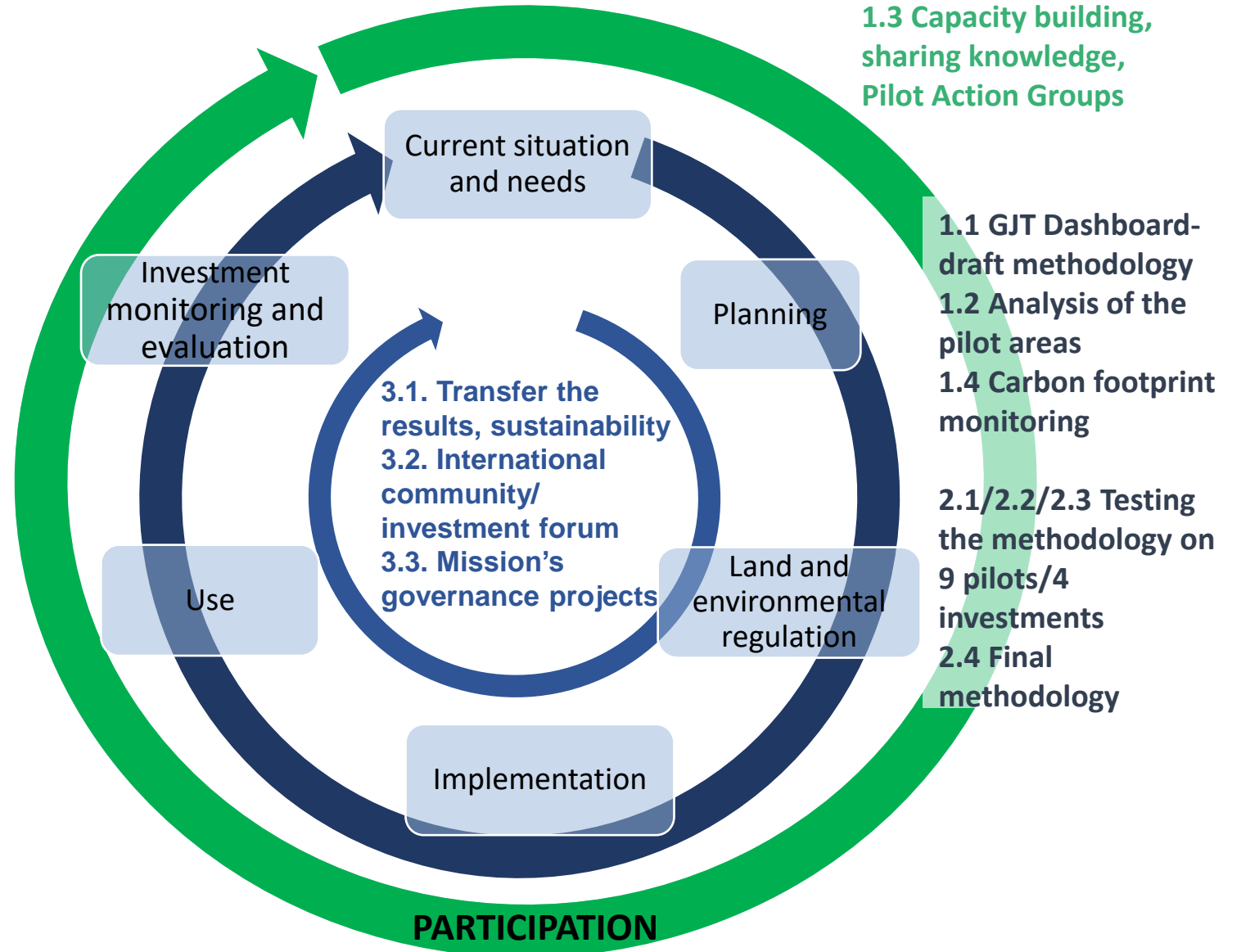


Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

BACKGROUND =
Energy Transition ambition

EU green transition process





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

CO₂ PACMAN

COoperation and CO-designing PArtnership for CliMAte Neutrality

Simone BASTIANONI
University of Siena

Alexia SPYRIDONIDOU
European Public Law Organisation





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

E-MED

Increasing capacities of PTO and PTA in the EURO-MED area by testing novel solutions to effectively manage public transport's transition towards energy efficiency and resource-efficiency

Miquel Estrada

Full Professor. Universitat Politècnica de Catalunya-UPC



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM



Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 1 – Thematic Projects pitches Second round



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

EnerCmed

**Testing energy-community & climate-resilient integrated paradigm
for carbon neutrality and energy poverty shielding in MED city-port hinterlands**

CORRADO, Schenone

professor, University of Genoa



**Green living
areas**

**Interreg
Euro-MED**



**Co-funded by
the European Union**



**Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط**

A project labelled by the UfM

6 Renewable Energy Communities coupled with Nature Based Solutions in marginalized neighborhoods of 5 MED cities: Genova, Patras, Valencia, Pula & Novigrad





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

GARDEN

ALINA Al-Garby

**Project administrator, Faculty of Mechanical Engineering and Naval
Architecture, University of Zagreb**



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

GREENMO

PANAGIOTIS, Papantoniou
Assistant Professor, University of West Attica, EL



INFIRE



“INFIRE”

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

The INFIRE Project in a nutshell

Dimitris Kokosioulis / Dynamic Vision



Main Expected Results

- utilizing the green finance evaluation toolkit for planning and financing climate solutions
- applying a joint strategy for innovative financing in the Euro-MED region
- developing the INFIRE action plan for public authorities
- enhancing capacities in planning, financing, and monitoring climate measures
- enabling the stakeholders to adopt the jointly developed solutions for effective climate planning, fostering green living areas and supporting Euro-MED ambitions.





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

LOGREENER

Composing Local Green Energy Transition

Yolanda Nicolau
European Projects Manager
Valencian Federation of Municipalities and Provinces



**Green living
areas**

**Interreg
Euro-MED**



**Co-funded by
the European Union**



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM



Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 1 – Thematic Projects pitches Third round



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

MED COLOURS

MEDiterranean **COL**laborative **LOG**istics for the **UR**ban **S**pace

Lorenzo Cello

**Project Manager, Institute for Transport and Logistics Foundation
(ITL Foundation)
Bologna, Italy**



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

MEDiterranean COllaborative LOGistics for the URban Space

- 11 Project Partners
- 7 Associated Partners
- 6 Sustainable Urban Logistics Plans (SULPs)
- 5 Pilot Actions



MED COLOURS



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Novel Support tools to Mediterranean Governments Exploiting Behavioural Incentives NUDGES

**Dr. Eudokia Balamou
Operations Manager
Larnaca and Famagusta Districts Development Agency**



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

Green > Nudges

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





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

ProLIGHTmed

Progressive solutions in greener optimization of public lightning in EURO-MED area

PREDRAG Janković
TA expert, team member
Municipality of Tuzi, Montenegro - Lead partner



Green living areas

Interreg Euro-MED

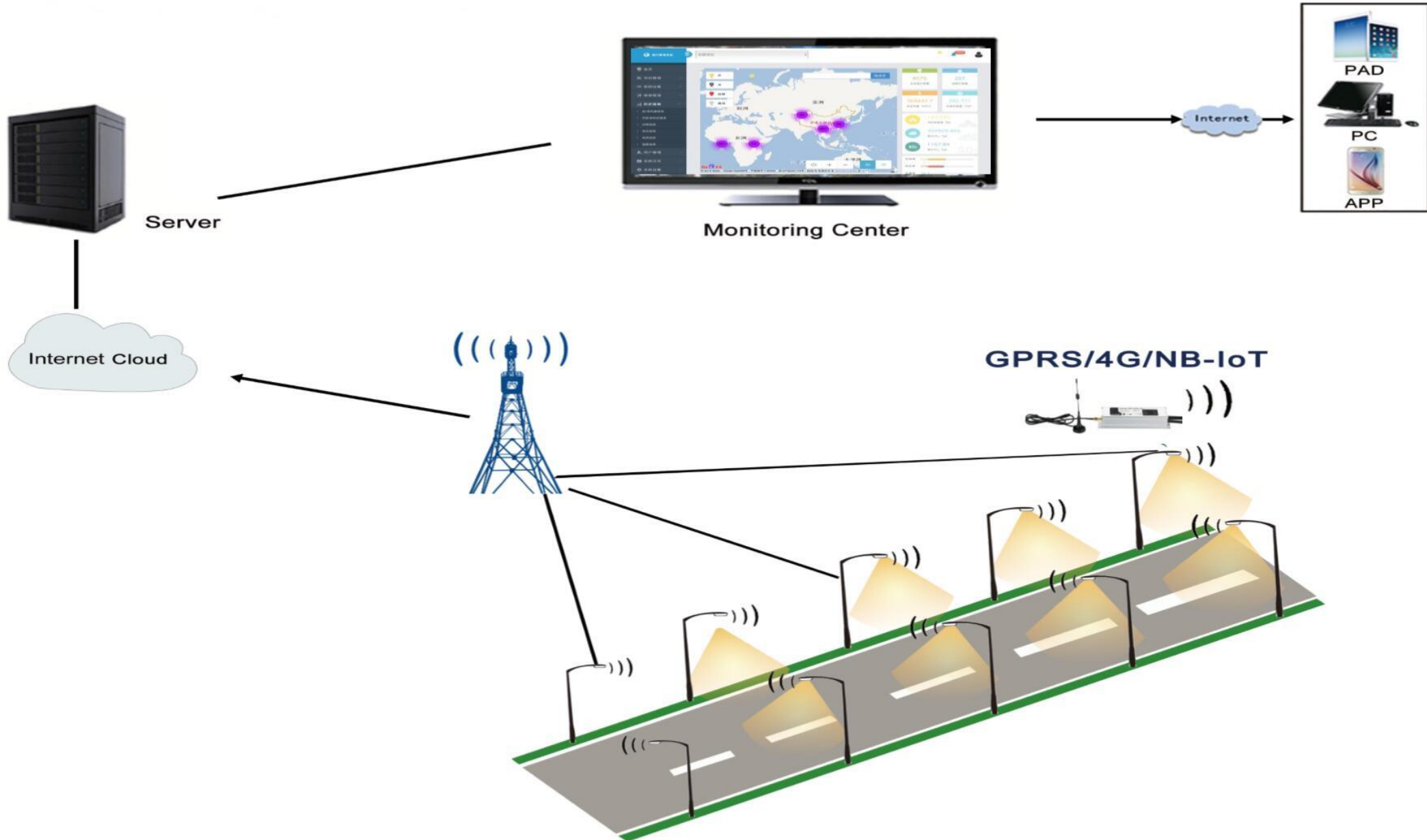


Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

RECinMED

**A multitude of inclusive Renewable Energy Communities
in the Mediterranean Region**

Marco Affronte

Project Coordinator on behalf of the LP - School Center Velenje

Contacts: affronte@gmail.com



Green living areas

Interreg Euro-MED



Co-funded by the European Union

A project labelled by the UfM



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط



RECinMED

Interreg Euro-MED



Co-funded by the European Union



**Green living
areas**

**Interreg
Euro-MED**



**Co-funded by
the European Union**



**Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط**



**L-Università
ta' Malta**

A project labelled by the UfM

ReMED

**Spokesperson: Faye Sciberras
Research officer – University of Malta**

**University of Malta Team: Dr Ruben Paul Borg, Dr Edward Gatt,
Dr Glorianne Borg Axisa, Ms Andrea Francesca Bellia**



ReMED



Green living areas

Interreg Euro-MED



Co-funded by the European Union

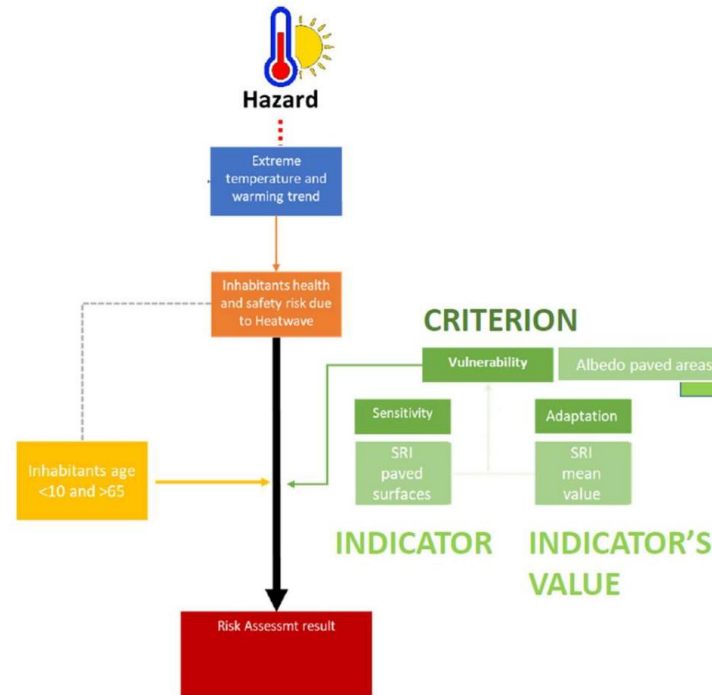


Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط



L-Università ta' Malta

A project labelled by the UfM



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	%



ReMED

Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 1 – Thematic Projects pitches Fourth round



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

RENEWPORT

***Harnessing RENEWable energy potential for clean
energy transition of MED PORTs***

Mr. Alberto Cozzi

**Port Network Authority of the Eastern Adriatic Sea
Ports of Trieste and Monfalcone**



**Green living
areas**

**Interreg
Euro-MED**

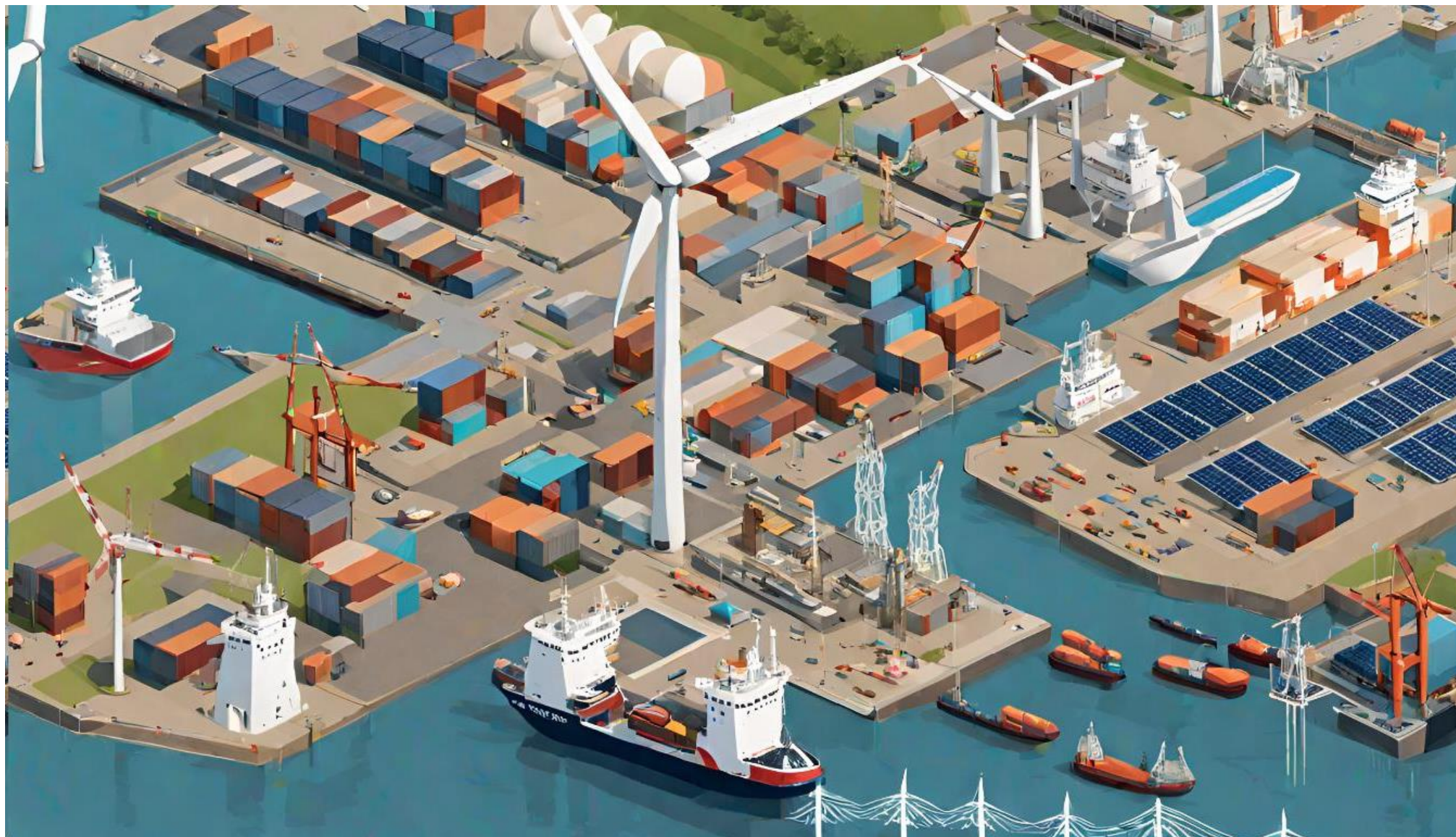


**Co-funded by
the European Union**



**Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط**

A project labelled by the UfM





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

RuralMED Mobility project

ALFREDO Pérez

Project manager at AGENEX – Extremadura Energy Agency



Green living areas

Interreg Euro-MED

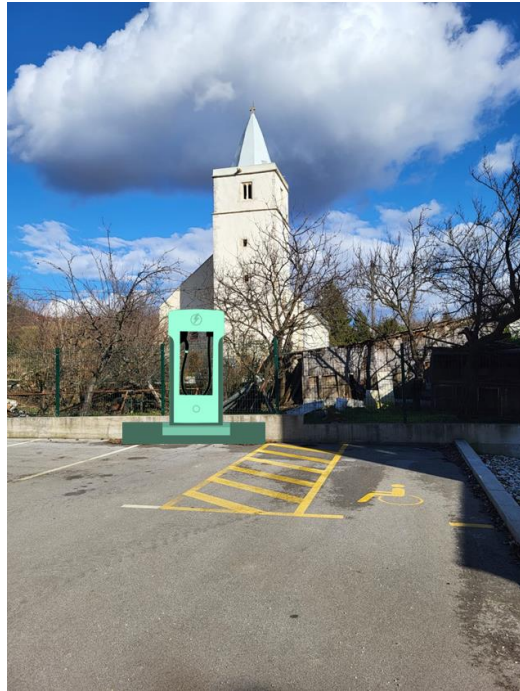


Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM



PORTUGAL
SPAIN

ICT
MOBILITY
PLATFORM
& APPS

Ceuta
SPAIN
Melilla
SPAIN

ITALY

SLOVENIA

CROATIA

OSNIA-
HERZEGOVINA

MONTENEGRO

BULGARIA

NORTH
MACEDONIA

ALBANIA

GREECE

MALTA

CYPRUS





**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

STREETS FOR CITIZENS



Streets for Citizens

**Interreg
Euro-MED**



Co-funded by
the European Union

MIRJANA NENAD

external project manager, Javne službe Ptuj d.o.o., Ptuj, Slovenia



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM



Play Street, boys playing stickball, ca. 1916. NYPD Collection, NYC Municipal Archives.

Source: <https://www.archives.nyc/blog/2018/6/21/summer-in-the-city>



Engagement of citizens, Slovenia



Piazze Aperte, Milano, Italy



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط

A project labelled by the UfM

URWAN

Urban Regenerative Water Avant-garde(N)

Andrea Vignoli
Project coordinator, ANCI Lazio (Rome, Italy)



**Green living
areas**

**Interreg
Euro-MED**



**Co-funded by
the European Union**



**Union for the Mediterranean
Union pour la Méditerranée
الاتحاد من أجل المتوسط**

A project labelled by the UfM



Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

ECOSYSTEMIC
TRANSITION UNIT

ETU



Session 2 – The Ecosystemic Transition Unit Model for the Green Living Areas



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



1. Presentation of the ETU model of the Renewable Energy project

Danilo Ceh Scientific Research Centre Bistra Ptuj

2. Testimonials: the ETU initiative

Municipalities: Brdovec & Ragusa,
Fundación Musol & Associazione Nazionale Comuni d'Italia/ Lazio

3. Introduction to the ETU model of the GLA mission

Danilo Ceh Scientific Research Centre Bistra Ptuj

4. ETU model of the GLA mission co-creation session

Joanna Grodzka Euro-Mediterranean Economists Association

5. Online questionnaire

**ECOSYSTEMIC
TRANSITION UNIT**

ETU



**The Ecosystemic Transition Unit
(ETU) model: a support for the
green transition at local level**





Supporting sustainability transitions under the European Green Deal with local plans:

- ❑ **Sustainable Urban Mobility Planning (SUMP):** strategic and integrated approach to deal with the complexity of urban transport
- ❑ **Sustainable Energy Action Plans (SEAPs) and Sustainable Climate and Energy Action plans (SECAP):** detailed overview on the energy situation and GHG emissions of a municipality and defines quantifiable actions to reduce emissions, identify energy efficiency measures and adopt renewable energy targets. It also offers actions to adapt to climate change taking into account the risks that are relevant to the area such as floods or heat waves. Another goal is taking action to alleviate energy poverty.
- ❑ **Local Urban Plans (LUP):** tool for urban planning, giving priority to environmental protection and conservation of natural resources
- ❑ **Green Urban Plan (GUP):** strategic tool for urban territory transformation and green spaces; it mainly defines key principles, criteria, and actions for the management of urban green areas.
- ❑ **Urban Greening Plans** include “measures to create biodiverse and accessible urban forests, parks and gardens; urban farms; green roofs and walls; natural base solutions, treelined streets; urban meadows; and urban hedges.”
- ❑ **Local Climate Change Action Plan (LCCAP):** action plan formulated by local governments to address climate change concerns. It focuses on both climate change adaptation and mitigation and describes how LGUs plan to respond to the impacts of climate change and mainstream them into local development plans (i.e. land use plan, sectoral development plan, investment program).
- ❑ **Local Green Deals (LGDs)** for cities: New approach to accelerate the transformation towards sustainability. Even though many projects and governance are already taken by cities, the goals of each plan need to be aligned with the ambition of the EGD to ensure an adequate transformation at the local level.

HOW to assist regions, cities and other local authorities
in developing, implementing and monitoring climate
change adaptation plans?



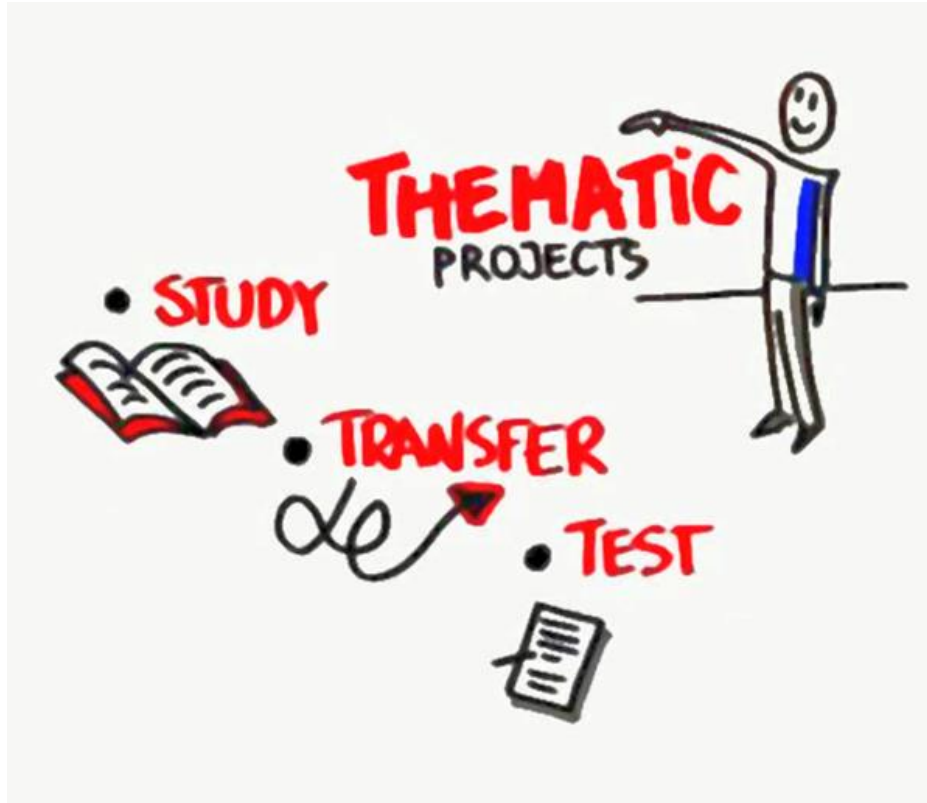


Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union



Tools, processes, practices,
solutions, guidelines,
procedures, templates, and
systems.

ECOSYSTEMIC
TRANSITION UNIT

ETU





Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

ECOSYSTEMIC
TRANSITION UNIT

ETU



We develop the ETU MODEL a practical guidance for local authorities. The ETU Model outlines all the solutions coming from thematic projects which have replicable added value needed to develop and implement an adaptation strategy/plan and makes references to valuable guidance materials and tools.

The model offers valuable support to both the cities that are just starting on adaptation planning and to those more advanced in the adaptation process.



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

What is
governance
model?

The **ETU model** is defined as a **governance model** to support the urban, rural and islands territorials using **green transition strategies** as a starting point.

ECOSYSTEMIC
TRANSITION UNIT

ETU





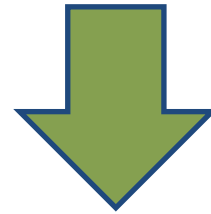
Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

A governance model can be defined as the overarching set of tools, processes, practices, guidelines, procedures, templates, and systems, used to support and oversee the management and development of plans/projects/strategies.



ETU GOVERNANCE MODEL

provide options for the organisations on how they can **apply different practices in development plans**. Tools and practice cover the roles and responsibilities required for technical, decision-making and internal processes, policies and procedures used to manage plans.



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union



The ETU Model is addressed to local and regional authorities, entities and organisations that:

- Need to adopt a holistic and strategic approach during the process of green transition.
- Are updating or developing their plans (SEAP, SECAP, SUMP,...)
- Want to foster a community approach on energy, renewables, mobility, green infrastructures, ...;
- Wish to promote a project or initiative linked to green and ecological transition in their territory.



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

The ETU model aims **to support local entities** to organize the complex's interaction around different plans (SECAP, SUMP, URBAN/RURAL plans....) and policies in a more integrated way.

It is complementary to existing **green development schemes**, to provide **simplified and effective use of tools and practices developed from thematic projects** and co-participation of civil society initiatives.



Green living areas

Interreg Euro-MED



Co-funded by the European Union

Origine of the ETU model

MED Renewable Energy Project



Green Living Areas Mission



Green living areas

Interreg Euro-MED



Co-funded by the European Union



Green living areas

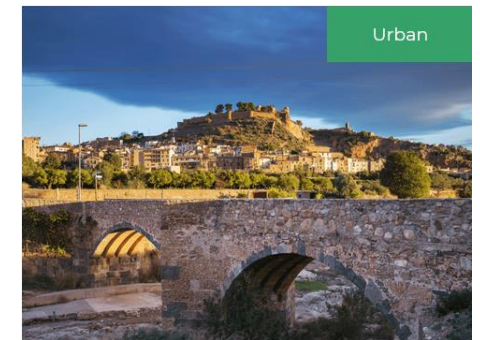
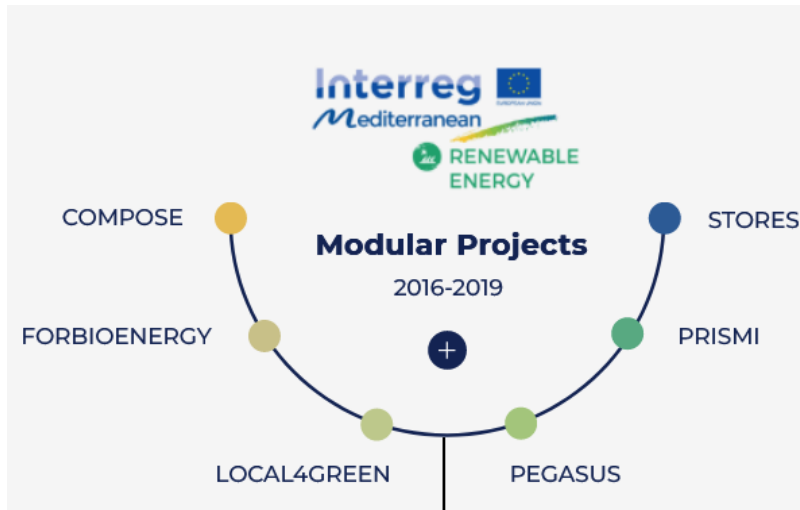
Interreg Euro-MED



Co-funded by the European Union

MED Renewable Energy Project

Euro-MED local authorities





Green living areas

Interreg Euro-MED

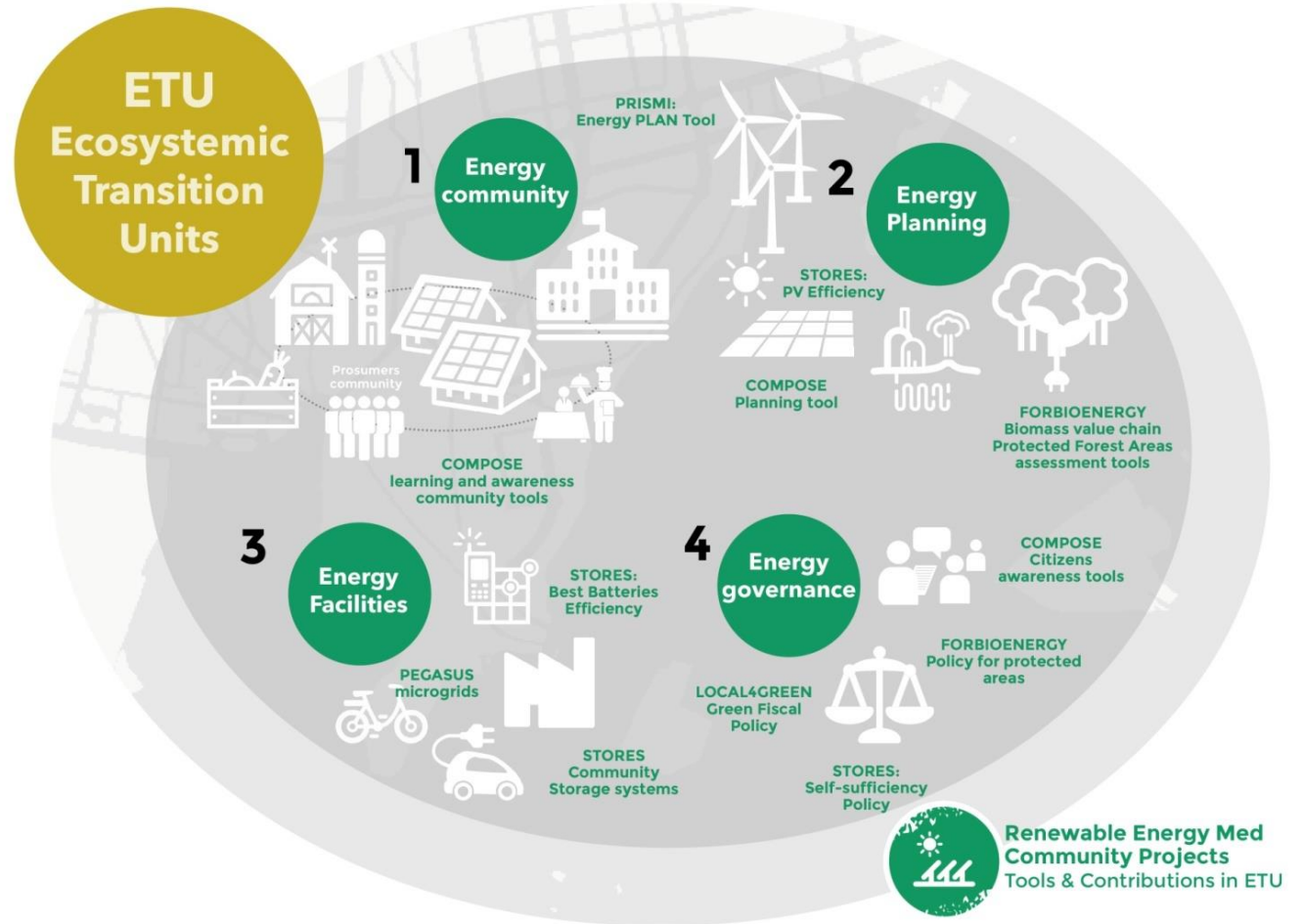


Co-funded by the European Union

The ETU: how it worked?

Ecosystemic Transition Units

Support for implementation of energy transition plans in small villages and islands



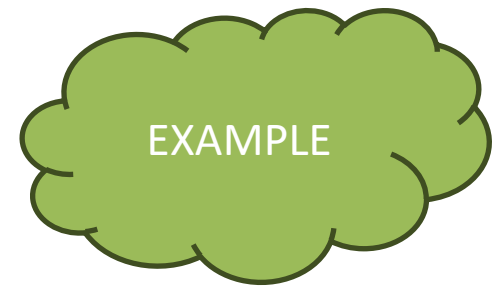


Green living areas

Interreg Euro-MED

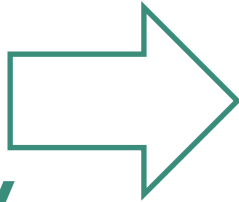


Co-funded by the European Union

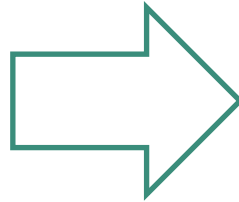


The ETU: how it worked?

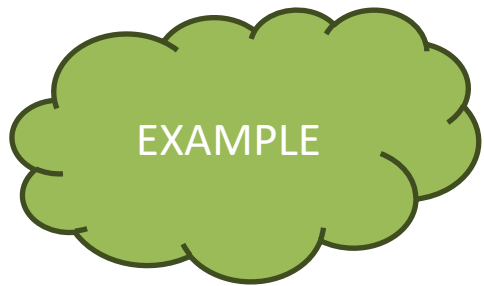
Modular Project Community



- Tools
- Guidelines
- Templates
- Policies
- Procedures



		Pillar 1 Energy Planning Territorial component	Pillar 2 Energy Facilities Technological component	Pillar 3 Energy Community Social component	Pillar 4 Energy Governance Organisational component	
Preliminary Phase	General knowledge		 		 	
Year 1	Auditory	Inventory of emissions				
		Vulnerability climate change risk	 			
		Identification of main areas of adaptation				
Year 2	Action Plan	Diagnosis Impacts and Emissions	 			
		Mitigation Plan	 	 		
		Adaptation Plan	 			
		Communication Plan				
Year 3	Execute	Implementation				
Year 4	Monitoring and adjust	Follow up	 	 		



Green living areas

Interreg
Euro-MED



Co-funded by
the European Union

The **ETU model mainstreaming** goes through the use and application of the **ETU toolbox** in each one of the different stages of the development of SECAP .

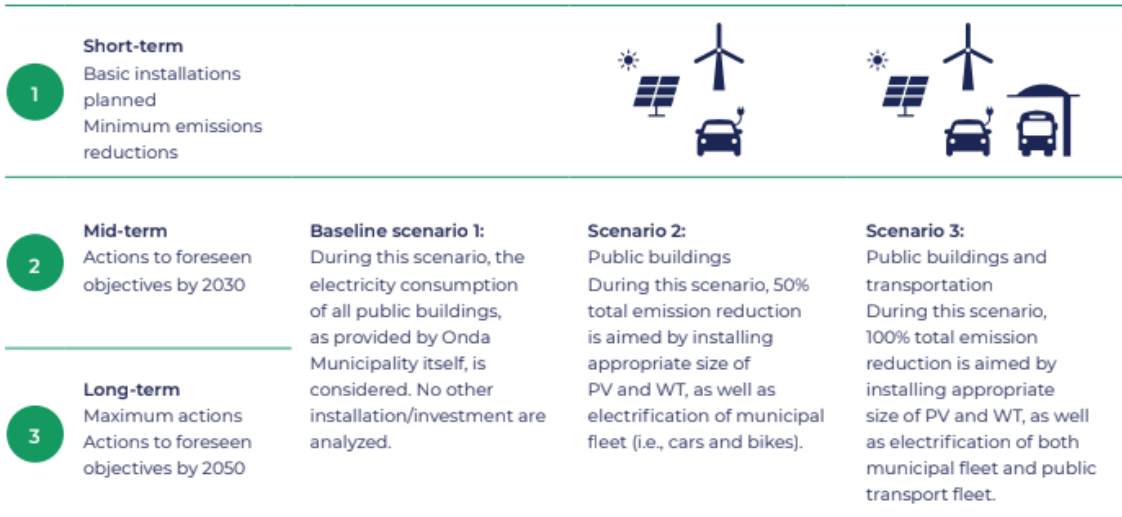
The potential integration of the ETU pillars and tools (from the results of thematic projects) can **offer support in each one of the SECAP stages**, from strategy definition to action plan and monitoring stages.

		COMPOSE	FORBIOENERGY	PRISMI	STORES	PEGASUS	COMPOSE	LOCAL4GREEN	PEGASUS
		Pillar 1 Energy Planning Territorial component			Pillar 2 Energy Facilities Technological component		Pillar 3 Energy Community Social component		Pillar 4 Energy Governance Organisational component
Year 1	Preliminary Phase	General knowledge	COMPOSE		STORES	PEGASUS	COMPOSE	LOCAL4GREEN	PEGASUS
	Auditory	Inventory of emissions							
		Vulnerability climate change risk	FORBIOENERGY	PRISMI					
		Identification of main areas of adaptation	COMPOSE					COMPOSE	
Year 2	Action Plan	Diagnosis Impacts and Emissions	PRISMI	FORBIOENERGY				LOCAL4GREEN	
		Mitigation Plan	FORBIOENERGY	PRISMI	STORES	PEGASUS	COMPOSE	LOCAL4GREEN	
		Adaptation Plan	FORBIOENERGY	PRISMI	STORES		COMPOSE	LOCAL4GREEN	PEGASUS
		Communication Plan	COMPOSE						
Year 3	Execute	Implementation	FORBIOENERGY		PEGASUS		COMPOSE	LOCAL4GREEN	
Year 4	Monitoring and adjust	Follow up	FORBIOENERGY	PRISMI	STORES	PEGASUS	COMPOSE	LOCAL4GREEN	

EXAMPLE: ETU model/toolbox application in SECAPs.



CASE of ONDA (24,980 inhabitants)



From the tools from the ETU Model we selected to support the characterization of these scenarios with PRISMI tool: toolkit identifies potential renewable energy resources within the boundaries of the municipality. It allows the estimation of three self-sufficiency scenarios responding to SECAP targets and SDG Climate Action targets.

The ETU: how it worked?

This analysis was considered useful by Onda Municipality, as part of the decision-making process after the approval of their SECAP.

The scenarios estimated by PRISMI tools help to identify the impact on CO2 equivalent emissions mitigation by increasing local renewable energy sources.



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

2. Testimonials: the ETU initiative

Municipality Brdovec: Branimir Greguric

Municipality Ragusa: Alexia Boulanger

Fundación Musol: Francesco Filippi

ANCI Lazio: Andrea Vignoli

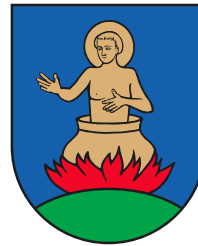
ECOSYSTEMIC
TRANSITION UNIT

ETU



ETU Application Testimonial Municipality of Brdovec

Branimir Gregurić



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

10/04/2024 - Torino



Mission 3 Promoting green living areas



Municipality
of Brdovec



Northwestern part of Zagreb County
Borders with the Republic of Slovenia

Area: 37,6 km²

Population: 10.737 (2021 Census)

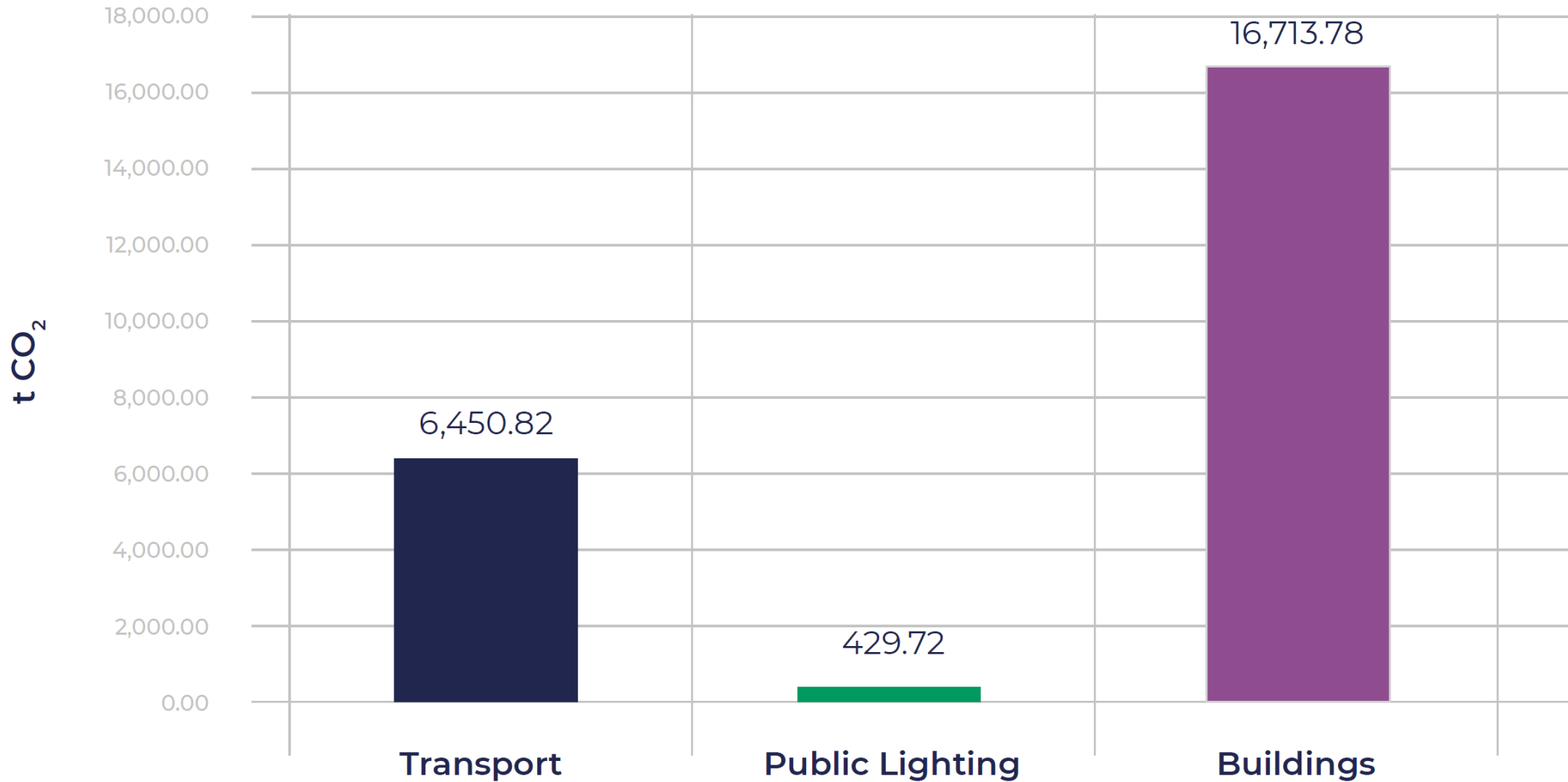


Description of the ETU Flagship Case

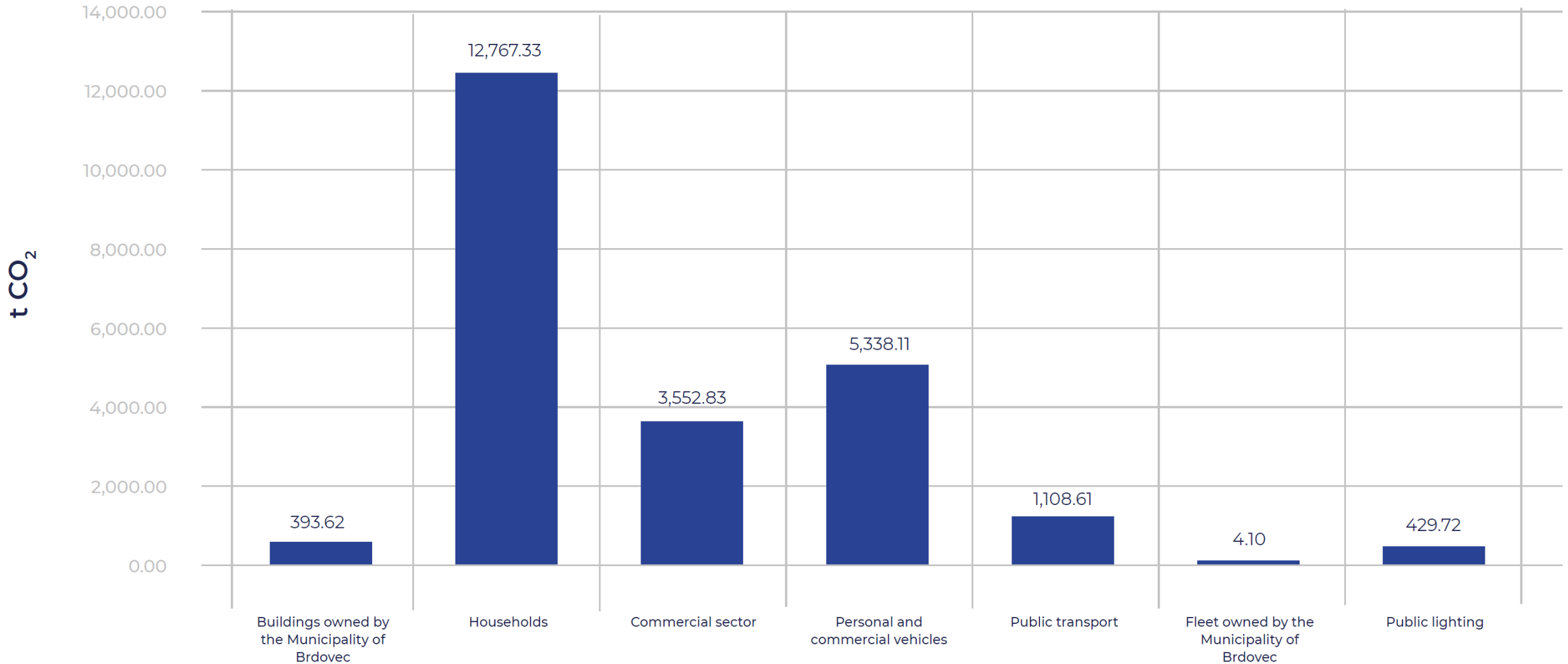
Total energy consumption is roughly 116,000 MWh per year
(buildings 71%)

Baseline emission Inventory of the Municipality of Brdovec is roughly
23,5 kt CO₂.

CO₂ Emission per sector



CO₂ Emission per subsector







A glowing street lamp on a utility pole against a clear blue sky. The lamp is illuminated, casting a warm yellow light. The utility pole is grey and has several wires attached to it. The background is a clear, light blue sky.

PRISMI

Promoting RES
Integration for
Smart
Mediterranean
Islands

LOCAL4GREEN+

Local fiscal
policies to
promote
renewable
energy sources

ETU model application

- **PRISMI: three scenarios for utilization of local RES to 2030 and 2050:**
 - BAU
 - RES Gradual energy transition
 - RES Fast energy transition
- **LOCAL4GREEN: Fiscal policies identified:**
 - 100% reduction of the communal contribution fee for new buildings local RES

Results of the Flagship case of the ETU Initiative

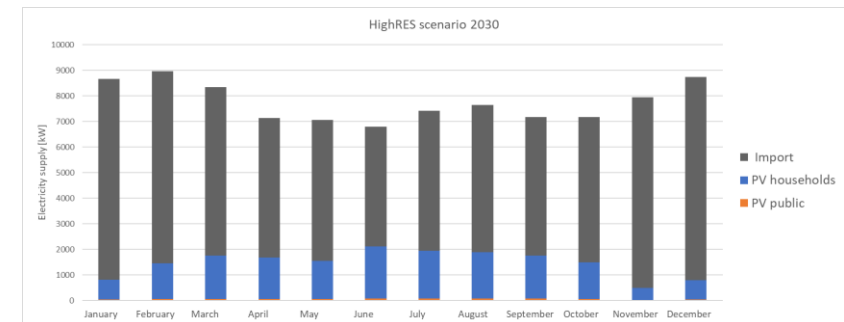
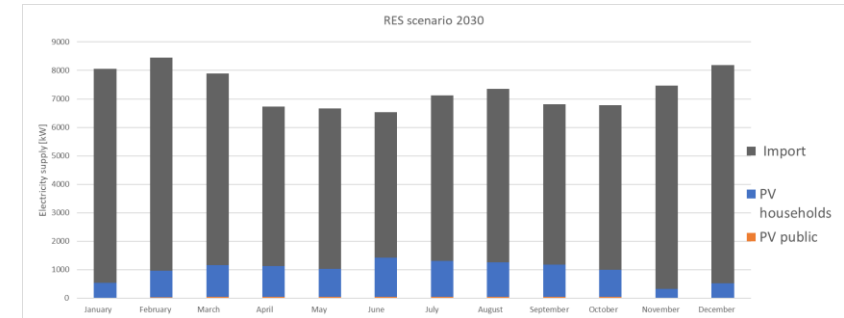
2030 Scenario

PRISMI PLUS TOOL

- **Gradual energy transition:**
 - Energy produced from local RES: 8.660 MWh
 - Share of RES in total primary energy: 38%
 - Share of RES in production of electricity: 13.4%
 - CO₂ emissions: 9,968 kt CO₂
- **Fast energy transition:**
 - Energy produced from RES: 12,990 MWh
 - Share of RES in total primary energy: 53.6%
 - Share of RES in production of electricity: 19.1%
 - CO₂ emissions: 6,283 kt CO₂

LOCAL4GREEN PLUS TOOL

- **100% reduction of the communal Contribution fee for new buildings in the residential subsector using local renewable energy sources**
 - Energy savings: 6,320 MWh
 - CO₂ emission reduction: 1,277 t CO₂



Results of the Flagship case of the ETU Initiative

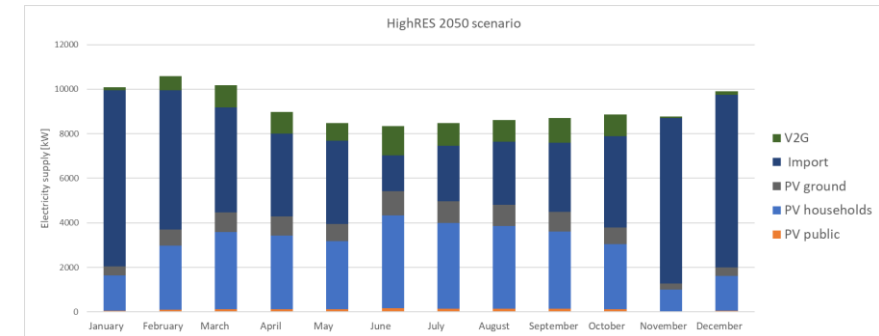
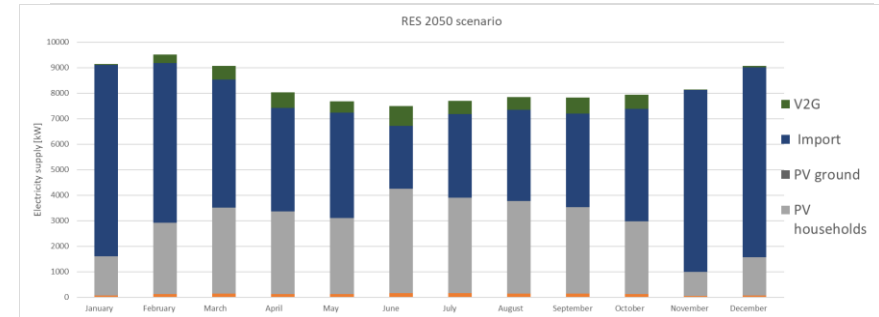
2050 Scenario

PRISMI TOOL

- **Gradual energy transition:**
 - Energy produced from local RES: 25,970 MWh
 - Share of RES in total primary energy: 97.3%
 - Share of RES in production of electricity: 37.6%
 - CO₂ emissions: 0 kt CO₂
- **Fast energy transition:**
 - Energy produced from RES: 33,080 MWh
 - Share of RES in total primary energy: 100%
 - Share of RES in production of electricity: 44.8%
 - CO₂ emissions: 0 kt CO₂

LOCAL4GREEN PLUS TOOL

- **100% reduction of the communal Contribution fee for new buildings in the residential and commercial subsectors using local renewable energy sources**
 - Energy savings: 23,701 MWh
 - CO₂ emission reduction: 4,788 t CO₂





SECAP preliminary results

	2009 SEAP	2022 SECAP	Change	Change (%)
Public lighting (kWh)	1 330 394	317 035	-1 035 359	-76,17%
Transport (TJ)	87,33	94,50	+7,17	+8,21%
Residential Buildings Electricity (kWh)	7 486 867	13 951 786	+6 464 919	+86,35%
Residential Buildings Heating (kWh)	43 267 522	29 973 969	-13 293 553	-30,72%



TEVA Pliva Goes Green

Solar power plant with a capacity of 9.71 MW installed in Savski Marof (Pliva's production facilities)

Largest capacity for the production of electricity for self-consumption in Croatia.

Financing via Power purchase agreement (PPA)

Over the summer 10% to 15% output expected to be delivered to the grid

Transferability

Use of ETU Toolbox

Cooperation and Commitment

Learning from others:
„Standing on the shoulders of
giants”



DUGO SELO

6 112 107

HŽPP

SAVSKI MAROF

Thank you for your attention!

Branimir Gregurić
Municipality of Brdovec
branimir@brdovec.hr



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union

3. Introduction to the ETU model of the GLA mission *Danilo Ceh Scientific Research Centre Bistra Ptuj*



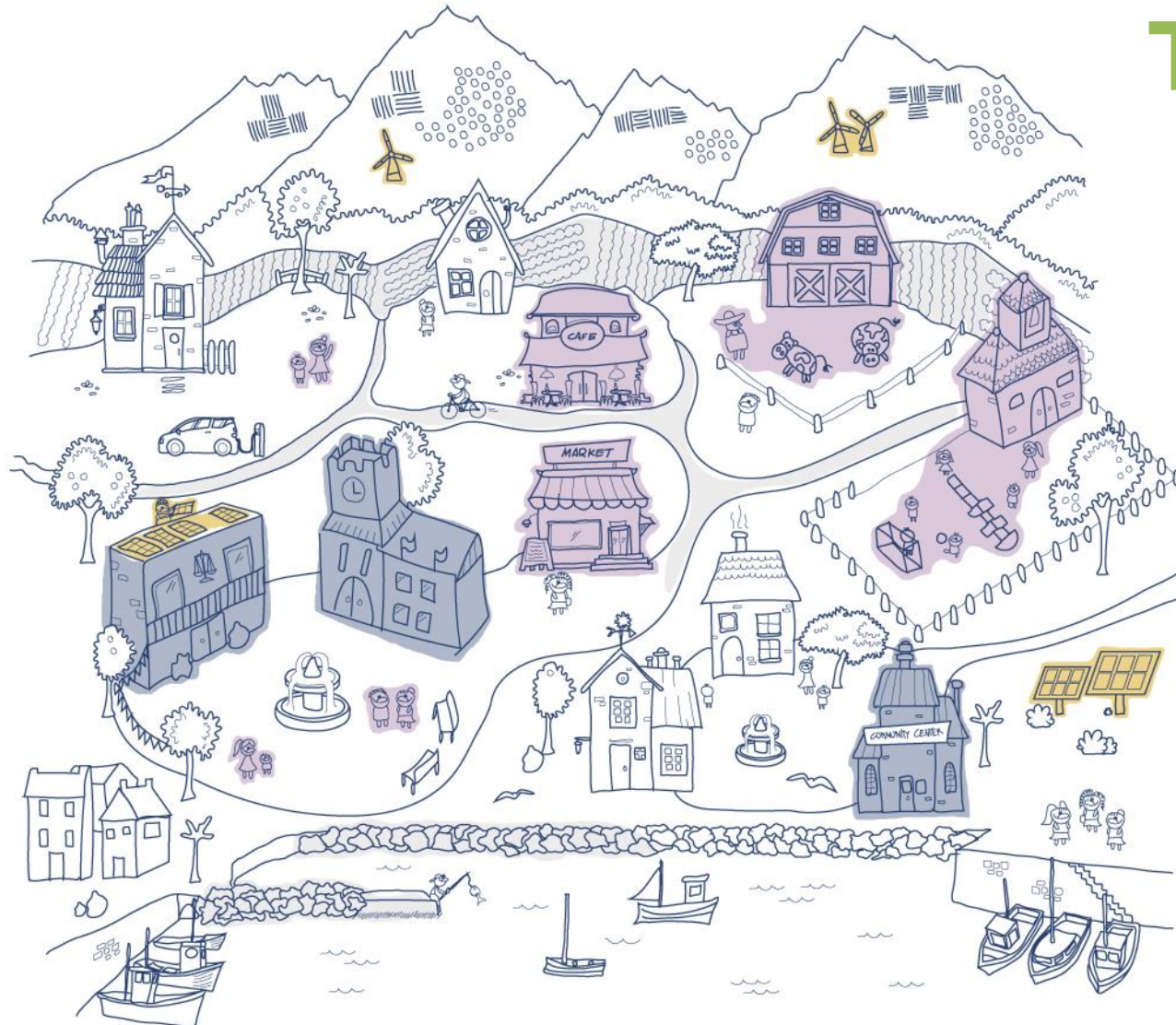


Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

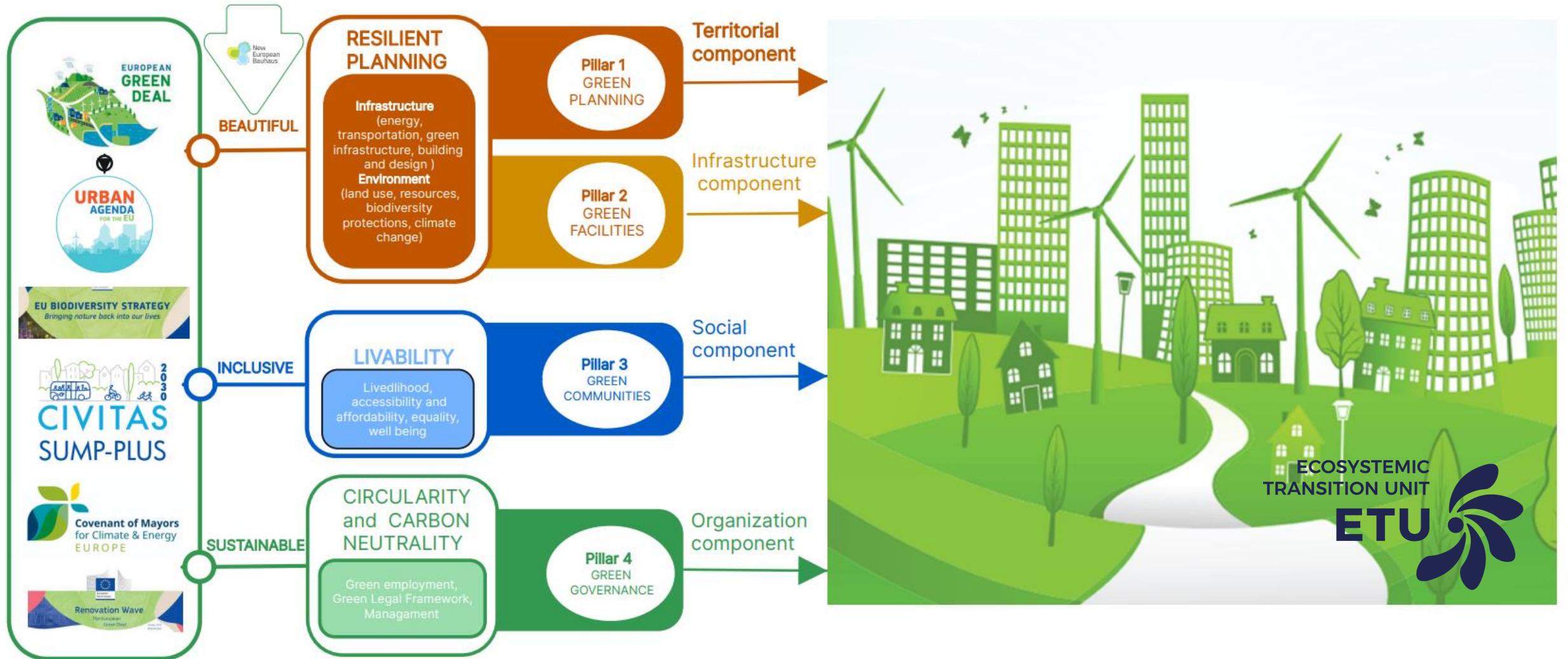


The „NEW ETU MODEL“ at a glance.



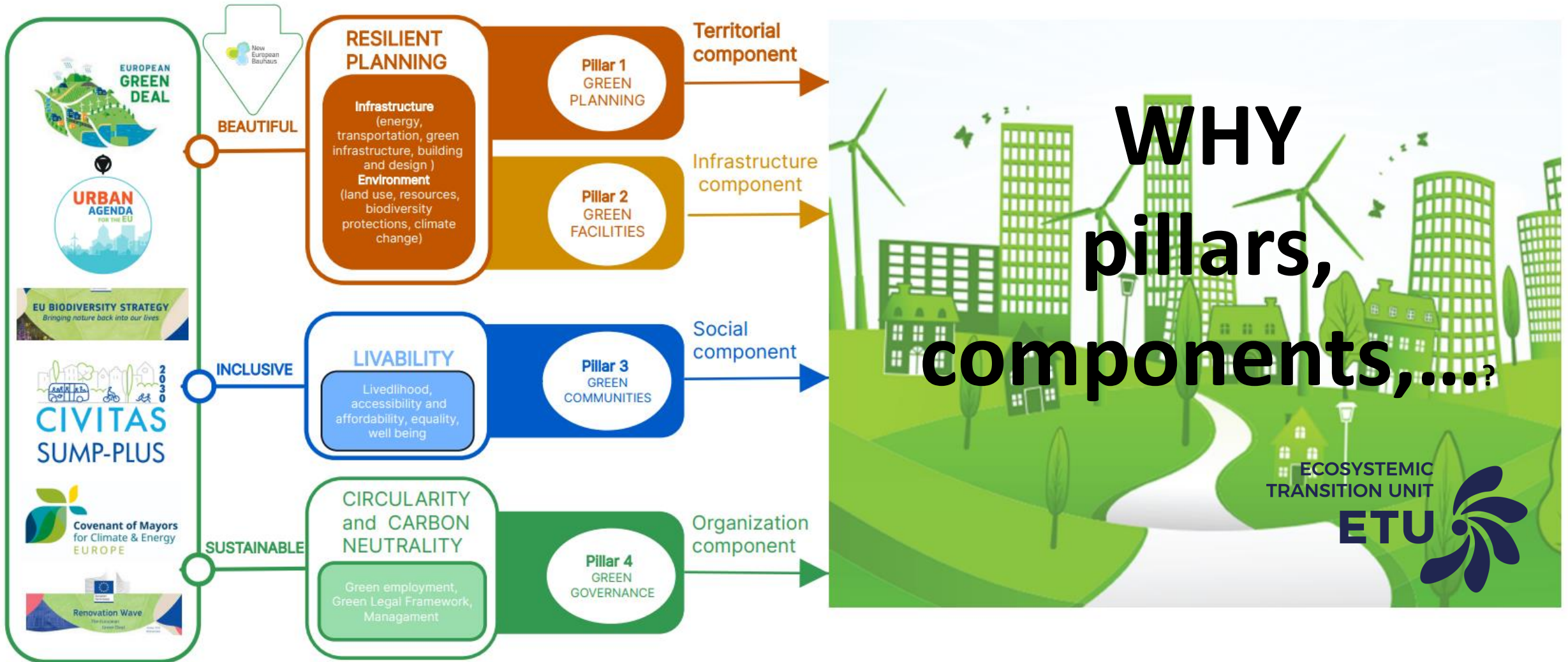


The „NEW ETU MODEL“at a glance:





The „NEW ETU MODEL“at a glance:





Categorization and classification

are two related processes that help organise and understand data.

- Categorization is the process of grouping data into meaningful categories based on common attributes or criteria.
- Classification is the process of assigning data to predefined labels.

Both processes can help you reduce complexity, improve quality, and enhance usability of data.



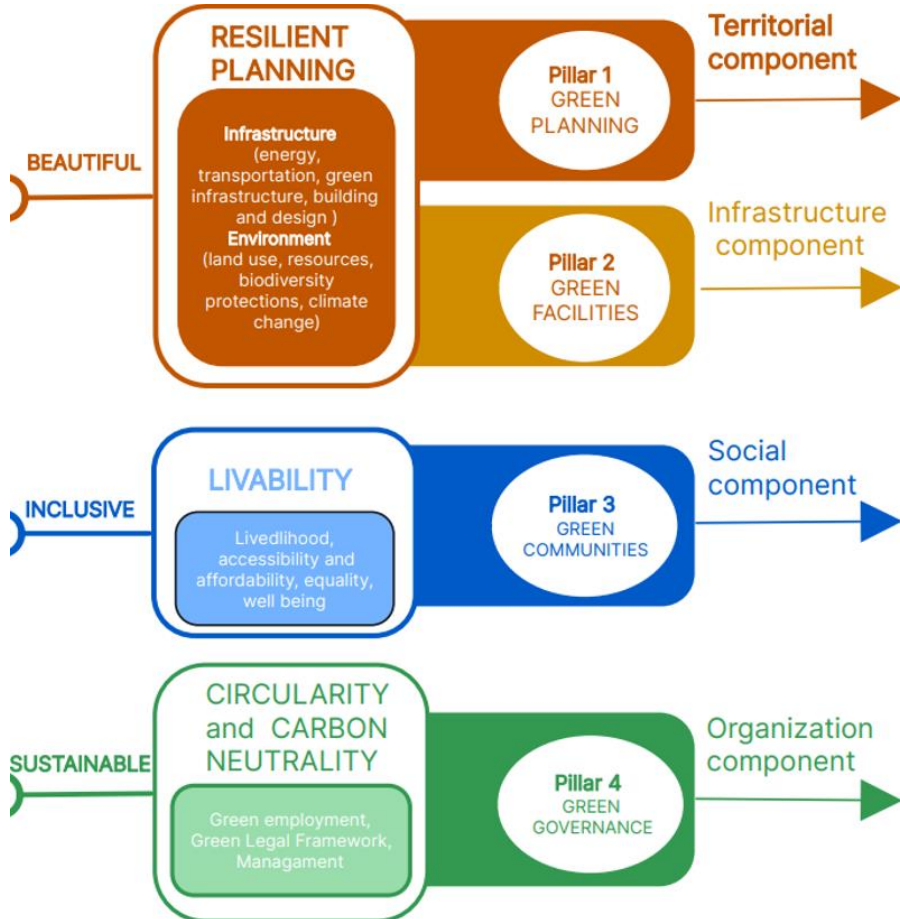


The **Ecosystemic Transition Unit** relies on an approach to provide an adequate response to territories in transition, taking into consideration **the interactions between components** setting out of the concept of the **New European Bauhaus (NEB)**.

According to ecosystems, the NEB is composed from **three core values** which will bring the cultural and creative dimension to European Green Deal and other EU initiative to strengthen innovation, technology and economy. The NEB is about the spaces where we live and the way we would like to live together, while respecting the planet and protecting nature. A triangle of three inseparable core values guides the NEB:

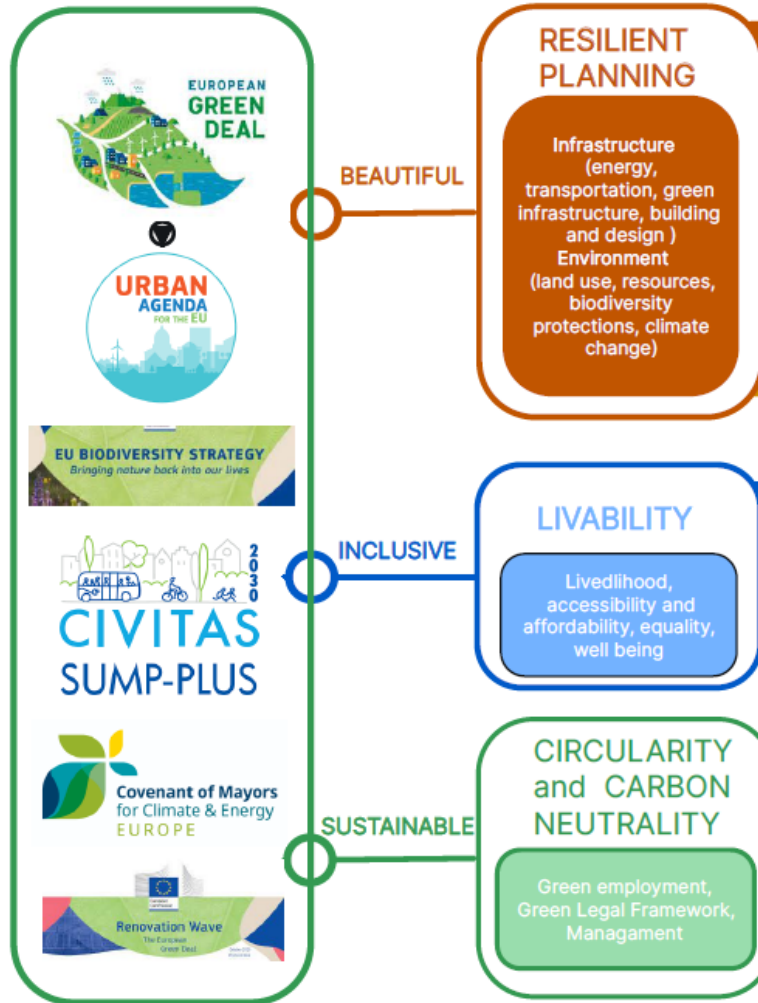
- **sustainability**, from climate goals to circularity and biodiversity;
- **aesthetics**, quality of experience and style, beyond functionality; and
- **inclusion**, including accessibility and affordability.

The objective of ETU model is to **align** these values to develop the creative solutions that best address people's needs, with efficiency gains and aiming for a lower overall cost. **It is necessary to properly interconnect the synergies and complementarities among planning, management and policy-making processes.**



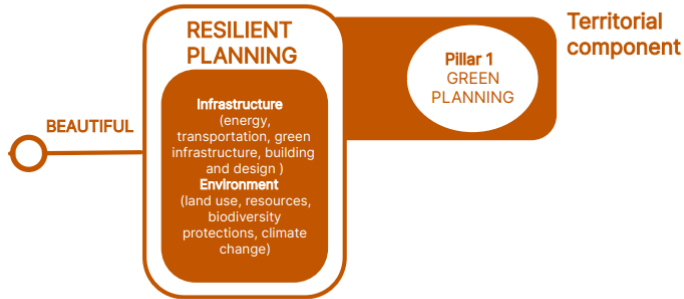
The pillars will be **aligned** with the New European Bauhaus initiative (hereinafter NEB) focused on promoting long-term solutions in collaboration with citizens to deliver transformation that match the needs and demand of a wider community.

The overall purpose of ETU model is to **demonstrate new solutions to boost the transformation of cities, rural and peri-urban**, by bringing individuals and communities closer to nature, bringing a sense of belonging, addressing the needs of territories, and communities that needed specific attention, and transforming value chains and life of materials towards circularity.



According to green transition the ecosystem of the ETU model is composed of three main elements coming from three main core values from NEB:

- **Resilient planning** which refer to everything related to territorial planning and the share of environment, infrastructures and services, from agriculture, industry and urban/rural land-use, to mobility and the energy infrastructure such as space reserved for energy production.
- **Livability** which includes all living beings, gathers the tools that are useful for community building and management of communities. Livability describes the diverse aspects of society, surroundings, and shared experiences that shape a community. It focuses on the human experience and is specific to place and time.
- **Circularity** which would be defined as the dynamics and the level of organisation a system can achieve to reduce environmental impacts and prioritizes durability, adaptability and recyclability.

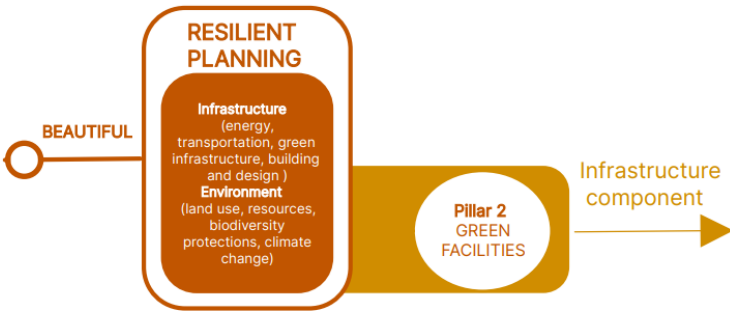


„Integrating resources in territorial planning in order to ensure use and designs of the land use and to build the environment “

This pillar represents the territorial planning component. The pillar aims to support technicians, engineers, mobility, urban planners in the development of their plans defining future self-sufficiency scenarios and horizon targets, according to the potential of local sources.

The pillar deals also with the efficient placement of urban and rural land use activities (urban designs, placemaking, urban regeneration,..), infrastructure (mobility and green infrastructure, energy systems public spaces,...), and settlement growth.

Territorial planning is a technical process that is focused on the development and design of land use and the built environment, including infrastructure passing into and out of areas, such as transportation, communications, and distribution networks and their accessibility.

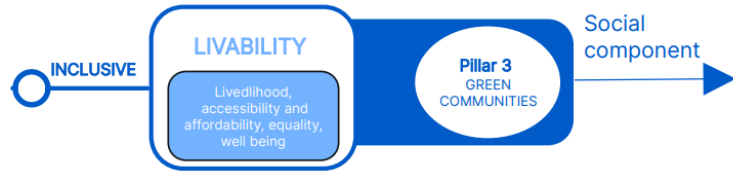


This pillar represents the technological component of the ETU model and refers to the **green infrastructure** allocated in the territory in terms of **equipment and facilities** such as renewable energy infrastructure, transport route infrastructure, EV infrastructure, natural base solutions, windmills, biomass or biogas plants, hydrogen plants, district heating and lighting, the electrical grid distribution,....

„Optimization of green infrastructure in order to attract investment & encourage innovative models“

This pillar also considers everything related to energy efficiency from buildings' energy consumption to energy production, distribution, and storage systems. This pillar pays attention to **technological innovation, smart solutions and tools that support the design, deployment and management of the facilities and equipment required linking to green development.**

It is a component for planning practitioners/technicians, engineers or urban planners, providing tools, practises and approaches for sustainability and resilience, explaining what needs to be done, when, and what is needed to achieve it.



„Encouraging an green transition from a bottom-up approach. Ensure capacity building as a key driven force of decision making process “

The third pillar represents the social component of the ecosystemic transition, with the main objective of enhancing the well-being and livelihoods of all people without exclusion.

Responding to the social component of the ETU model, this pillar gathers **the tools that are useful for community building and management of communities** (renewable energy communities, neighbourhood communities, urban planning participation approach,..).

The community pillar also links **solutions/practices to social innovation through capacity building and co-creation processes** around energy, mobility, climate adaptation and green transition.

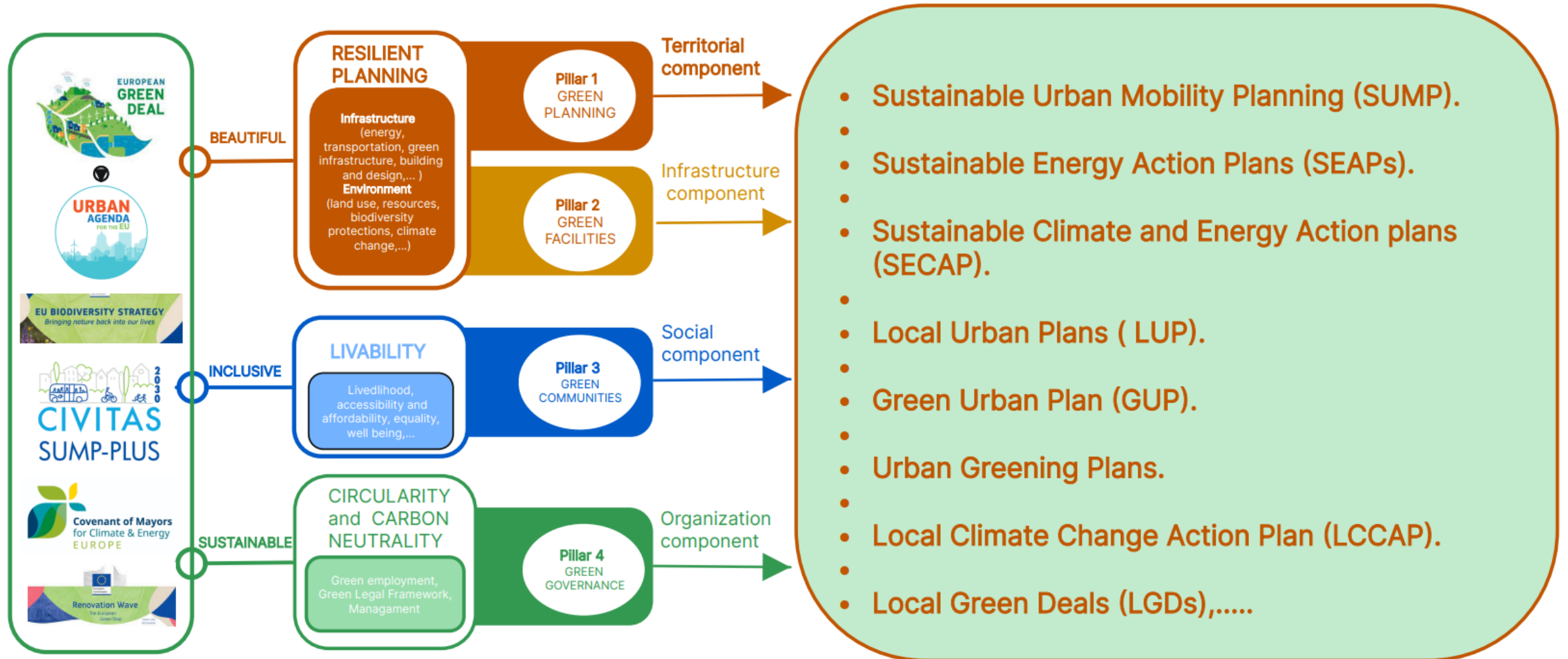


„Multilevel
coordination and
engagement for a
green local economy
as an added value of
territories“.

The fourth pillar represents the level of organisation of the ecosystemic transition unit, focusing on increasing the circularity of the processes involved. In terms of energy and green development, this pillar gathers the governance tools from the legal, regulatory and policy frameworks at the local level to encourage multilevel coordination towards a green local economy.



ETU model components and mainstreaming plans/policy.





Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

The ETU MODEL in brief...

The ETU MODEL will help local authorities to shape their strategic action plans, integrating as much as possible practices, plans and tools from Green Living Areas thematic projects with a holistic vision.





Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

The process of the development of the new ETU MODEL for the Green Living Areas Thematic Community is structured in 3 stages:

1st Stage:

Thematic working groups (1) and co-creation workshop will be relevant platforms to enhance the replicability and transferability of the project's results, better understand the takers and support the transferring and integration of the thematic results to the ETU model components. Finalizing the **ETU Toolbox(2)** as the main instrument which will gather tools, practices and methodologies.

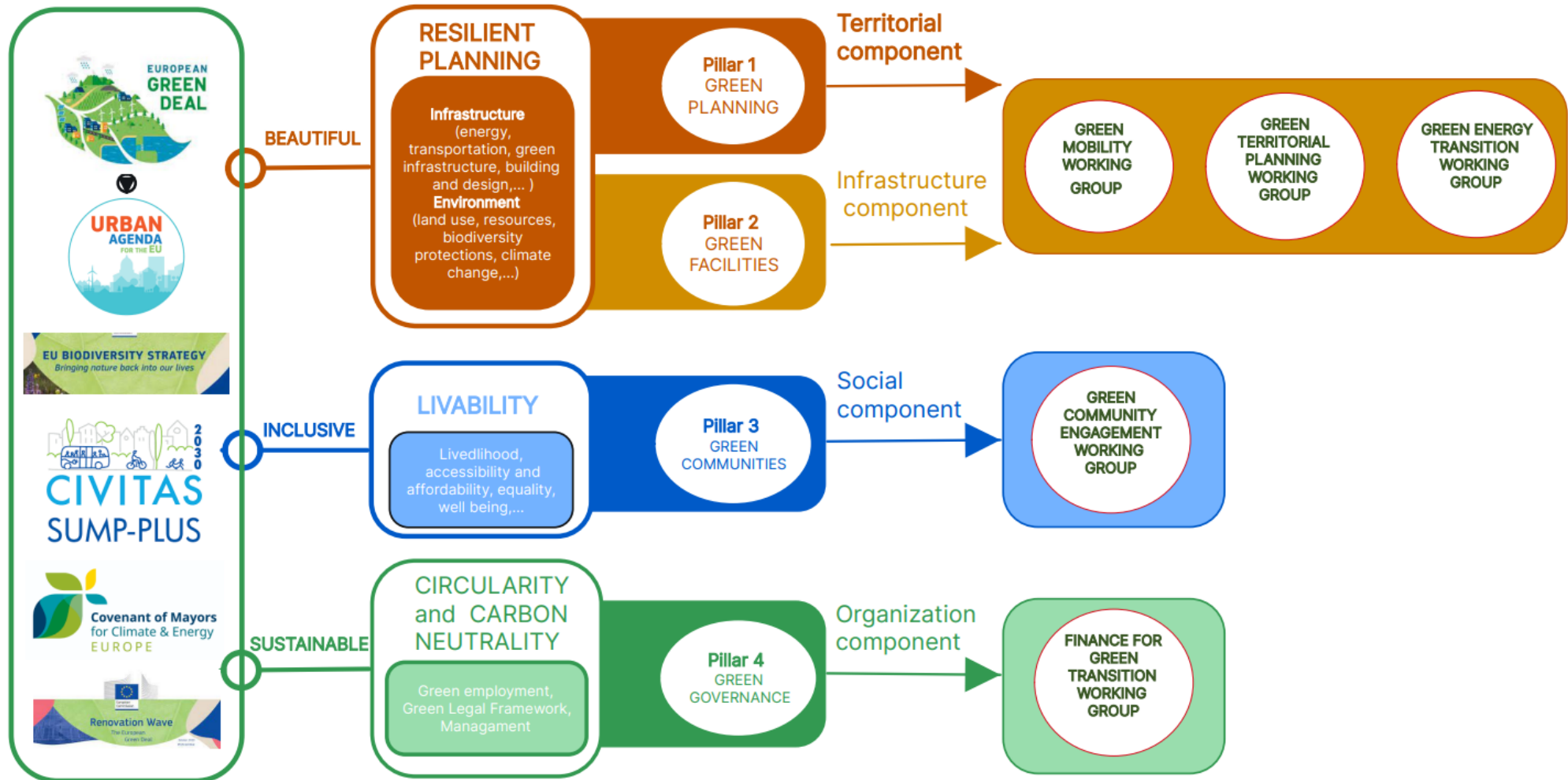
2nd Stage:

- The Mainstreaming Process, which included the transferring antennas to reach local authorities and stakeholders that potentially could be engaged as takers and replicants of the tools;
- Launch actions of open access to show stakeholders the potentialities of the tools and technical support provided.
- Launch of the **ETU INITIATIVE LIVING LABS (3)**, addressed to local entities to submit their projects and plans in which they were aiming to apply the ETU toolbox.

3rd stage: the Commitment campaign to boost the municipalities to include the ETU principles in their green projects and plans.



1) Thematic working groups will be relevant platforms to enhance the replicability and transferability of the project’s results, better understand the takers and support the transferring and integration of the thematic results to the ETU model components.





Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

2) ETU Toolbox

Toolbox as an instrument to mainstream thematic project results it on real cases.

The objective of the ETU Toolbox will be to gather tools, practise and methodologies that give support to green transition initiatives as an open source for local authorities, citizens and communities. The ETU Toolbox will have the most relevant outcomes and results obtained from the community of projects of the Green Living Areas mission.

The **ETU Toolbox** will organise the tools according to pillars (ETU Model).



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

3) ETU INITIATIVE LIVING LABS

The Capitalisation strategy of the Community of Green Living Areas mission will be driven through the **ETU Initiative Living Lab** approach (previously known as the ETU Initiative), which involves transferring thematic project results to local entities dedicated to the drafting of energy/green plans, preparation, and management of energy transition projects.

The ETU LIVING LAB approach aims to contribute to the effort of adaptation to climate change by mobilizing empowered territories to trace their green-transition roadmap through **capitalization of the outcomes of the ETU handbook and ETU model into ongoing projects, plans and initiatives.**



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

ETU Initiative Living LABS: the co-creation and systemic thinking process

We will create:

- **ONLINE PLATFORM** which will serve as main element for discussion and track monitoring.
- **ETU INITIATIVE FORUM** gathering key actors to participate in the definition of joint solutions and policy recommendations.
- A **CALENDAR** of activities aligned with the stages of the project will be established.
- Transnational **CO-CREATION WORKSHOPS**-addressing ecosystemic approaches tackling common territorial challenges on: mobility, energy transition, circular economy, sustainable finance, citizens well-beingy,....
- **ETU INITIATIVE POLICY** paper built upon living labs and joint actions and solutions
- **3 ETU INITIATIVE CALLS** (relies on testing the tools from ETU Handbook, to achieve an ecosystemic approach by liaising societal challenges, green transition and adaptation to climate change)
- **ETU LIVING LABS GUIDELINE** – these guidelines aim will be to explain the results of joint solutions applying the ETU approach and their final governance impact.



Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

ECOSYSTEMIC
TRANSITION UNIT

ETU



*Thank
you!*





Green living
areas

Interreg
Euro-MED



Co-funded by
the European Union

4. The ETU model of the GLA mission co-creation session

Joanna Grodzka *Euro-Mediterranean Economists Association*

ECOSYSTEMIC
TRANSITION UNIT

ETU





What is your project's main theme?

<p>PILLARS</p> <p>↓</p>	<p>Green Territorial Planning</p>	<p>Green Community Engagement</p>	<p>Green Mobility</p>	<p>Green Energy Systems</p>
<p>ORGANISATIONAL <i>governance, policy, training</i></p>				
<p>ENVIRONMENTAL <i>ecosystem preservation</i></p>				
<p>SOCIAL <i>community building, engagement, health</i></p>				
<p>TERRITORIAL <i>planning</i></p>				
<p>TECHNOLOGICAL <i>tech infrastructure</i></p>				
<p>FINANCIAL <i>financing the green transition</i></p>				

Which aspect of the local green transition does your project cover?

PILLARS



What are the tools belonging to that pillar?

ORGANISATIONAL

Tools from the **legal, regulatory, training and policy frameworks** at to encourage multilevel coordination towards a green local transition

ENVIRONMENTAL

Tools that focus on **ecosystem preservation** before, during and after the green transition process

SOCIAL

Tools useful for **community building, engagement, collaborative planning, health improvement**, etc.

TERRITORIAL

Tools related to the **development and design of land use and the built environment**, including **infrastructure** passing into and out of areas, such as **transportation, communications, and distribution networks** and their accessibility.

TECHNOLOGICAL


Tools helping to enhance the **green infrastructure** allocated in the territory in terms of **equipment and facilities, technological innovation, smart solutions** and tools that **support** the design, deployment and management of facilities and equipment.

FINANCIAL

Tools and solutions that **enhance the capacities** of the local authorities to finance the green transition process.



What is your project's main theme?

PILLARS 	Green Territorial Planning	Green Community Engagement	Green Mobility	Green Energy Systems
ORGANISATIONAL <i>governance, policy, training</i>	Methodology 1	Methodology 2	Solution 1	
ENVIRONMENTAL <i>ecosystem preservation</i>	Tool 4 Solution 2		Tool 1	
SOCIAL <i>community building, engagement, health</i>			Solution 3	Tool 3
TERRITORIAL <i>planning</i>		Solution 4	Methodology 3	
TECHNOLOGICAL <i>tech infrastructure</i>	Solution 5	Tool 2	Methodology 4	
FINANCIAL <i>financing the green transition</i>				

Which aspect of the local green transition does your project cover?



Green living areas

Interreg Euro-MED



Co-funded by the European Union

PILLARS	Green Territorial Planning	Green Community Engagement	Green Mobility	Green Energy Systems
ORGANISATIONAL <i>governance, policy, training</i>	Tools & Solutions developed by the Thematic Projects			
ENVIRONMENTAL <i>ecosystem preservation</i>				
SOCIAL <i>community building, engagement, health</i>				
TERRITORIAL <i>planning</i>				
TECHNOLOGICAL <i>tech infrastructure</i>				
FINANCIAL <i>financing the green transition</i>				



Identify & facilitate synergies between Thematic Projects



Catalogue of tools & solutions for municipalities & other stakeholders

<p>Taker/s of your project's tools</p>	<p>What kind of problem your project's tools will solve?</p>	<p>What is the application scale of your project's tools/solutions?</p>
<p>What is the extra value of your project's tool/solution?</p>	<p>Which local/regional plan do your project targets?</p>	<p>How will you measure the impact assessment of your project?</p>

WG name:

4. Co-creation of the ETU model for the GLA

practical exercise

WG Name	Room
WG1 Green Mobility	Kyoto
WG2 Green Energy Transition	Johannesburg
WG3 Green & Climate Change Resilient Spatial Planning	Kyoto
WG4 Financing the Green Transition	Copenhagen
WG5 Green Community Engagement	Copenhagen

Green Living Areas Thematic Community

Kick-off event

10th & 11th of April 2024

Session 3 – Let's work together!

Thematic Working Groups



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union



**Green living
areas**

**Interreg
Euro-MED**



Co-funded by
the European Union

5 Thematic Working Groups

- 1. Green mobility**
- 2. Green Energy Systems**
- 3. Green & Climate Change Resilient Spatial Planning**
- 4. Financing the Green Transition**
- 5. Green Community engagement**



Green living areas

Interreg Euro-MED



Co-funded by the European Union

Next steps for the Green Living Areas Thematic Community...

1° Thematic Working Groups meetings (Turin)

2nd Thematic Working Groups meetings (online)

1° Green Living Areas Institutional Dialogue
10° of October 24 (Bruxelles)

3rd Thematic Working Groups meetings (online)

4th Thematic Working Groups meetings (Barcelona)

EUSEW Event

5th Thematic Working Groups meetings (online)

ETU Initiative 1° Co-creation workshop (Turin)

ETU Initiative 2° Co-creation workshop (Barcelona)

Training session to increase the transferability of project results (Barcelona)

ETU Initiative online platform

April 2024

June 2024

October 2024

Dec.24/Jan.25

May 2025

June 25

Oct. 25