

Welcome!

Please give 4 minutes of
your time to participate
in a brief stakeholder
survey!



WORKSHOP

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future



Empowering rural islands
for Climate Action

What is ICONIC?

ICONIC is a forward-looking project designed to enhance energy independence, climate neutrality, and sustainable development in rural and island communities across Europe.

Why ICONIC Rural Islands?

Across Europe, many rural islands face limited economic opportunities, social isolation, and dependence on external energy sources.

Their unique geography and climate can be a double-edged sword: while isolation can increase social and energy vulnerability, it also gives islands great potential to become climate-resilient and self-sufficient.

Main objectives

- Climate Neutrality
- Empowering Rural Islands
- Fostering Innovation
- Innovative Governance Spaces
- Spreading the word!

How?

ICONIC will deploy social and technological innovations:

- **Technological innovations**→ implemented to promote energy independence, such as the deployment of renewable **energy** systems, smart **water management**, off-grid **biogas systems**, and **sustainable mobility** solutions
- **Social innovations**→ **Climate municipal working groups & Multi-actor climate assembly**

Where?

These innovations are tested through real-world pilot demonstrations in rural islands across Europe where the project works closely with local stakeholders:



8-10 October 2025 *Milano*



WORKSHOP

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future

3

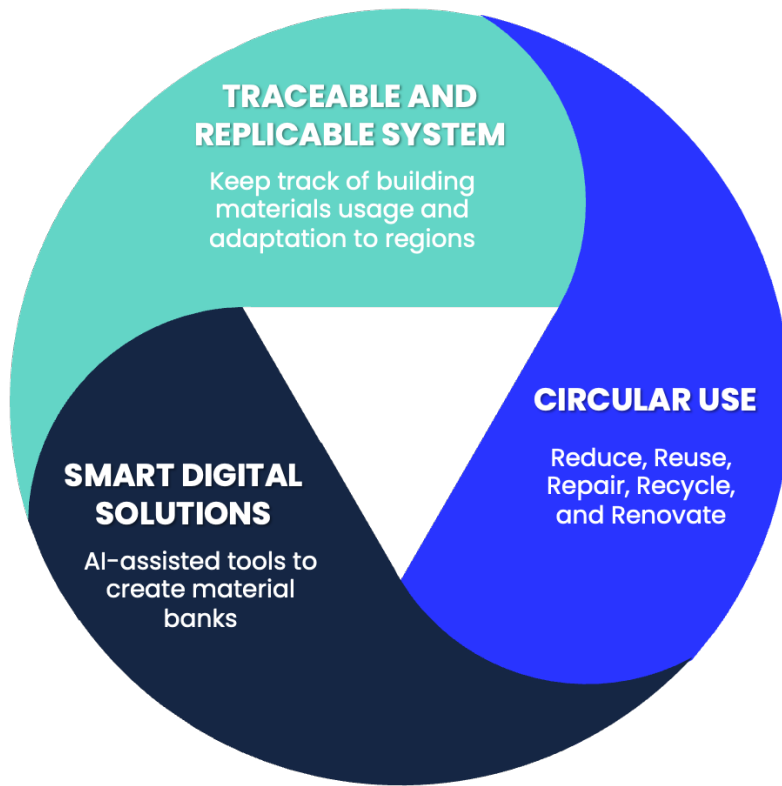
Pilots

17

Partners

42

Months



Funded by
the European Union

WORKSHOP

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future



Forest Management- Wildfire Prevention



Digital dashboard
with updated fire
risk indices



NBS to avert
wildfires



Community-
energy systems
manual

Sustainable Energy Systems



CCUS on rural
communities



Renewed demand-
responsive transport app

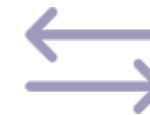
Climate-Neutral Mobility



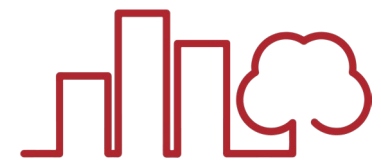
Standards and policy
recommendations



Training activities and
educational materials



Guidelines for
reproducibility



**SUSTAINABLE
PLACES 2025**

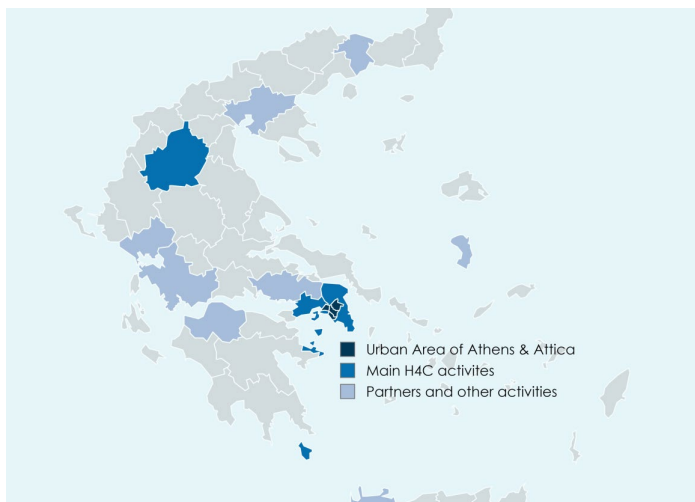
8-10 October 2025 *Milano*

WORKSHOP

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future



A First-of-a-kind **Hub for circularity** demonstrator in Greece
December 2024 - November 2029



- ✓ Cross-sectoral **collaboration and knowledge exchange**
- ✓ **Materials** (textiles, urban solid waste, CWD and industrial waste), **Energy & Water** Circular solutions
- ✓ Advanced **digitalization and robotics** for optimizing flows
- ✓ **Governance** models and policy alignment

WORKSHOP

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future



WOOD2WOOD

Why?

- The construction and demolition waste (CDW) generates 30-40% of global solid waste and consumes 40-50% of raw materials.
- 75% of CDW remains untapped, neither reused nor recycled.
- In Europe, CDW is a significant waste stream containing 20-30% of materials like wood, making it a key focus of EU waste policy.

What?

- W2W transforms contaminated wood waste from CDW and furniture waste into high-value products.
- W2W leverages advances in sorting and separation technologies, digital tools, and supporting policies to create efficient recycling and upcycling processes.
- The approach fosters sustainable value chain supporting a circular economy.

How?

**Advanced Sorting
Technologies**

**Upcycling
Technologies**

Digital Tools

**Framework for
Policy, Market & Skills**

Urban cocreative, sustainable, and inclusive ecosystem for the reprocessing of reinforced polymers on the truck.

YouRban is a pioneering initiative that fosters a vibrant urban ecosystem dedicated to **the reprocessing and upcycling** of materials, with a focus on **reinforced polymers** from local sources. This project brings together **citizens, artists, designers, architects, small-scale producers, artisans, and Urban Factories** to create a collaborative environment.

The initiative features a **10-day events centered around a** mobile plant housed in a **truck**. This mobile plant tours **Milan and Barcelona**, welcoming all community members.



Funded by
the European Union



Re-valuing Resources Workshop

Re-Valuing Resources:
Cross-Sectoral Circular Solutions for a Sustainable Future



De-and Remanufacturing for Circular Economy Investments in the Composite Industry.

The DeremCo project will integrate in a systemic approach to different innovation actions aimed at enhancing the profitability of **reinforced plastics recycling** and reuse in **value-added products**.

DeremCo will exploit the **interregional partnership** to achieve a large-scale demonstration of circular economy solutions for **demand-driven Fiber-Reinforced Plastics**, unlocking the great potential of EoL composite materials as new manufacturing sources.



**SUSTAINABLE
PLACES 2025**

8-10 October 2025 *Milano*



Co-funded by
the European Union



Re-valuing Resources Workshop

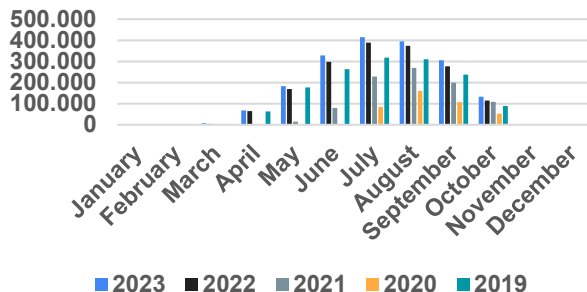
Re-Valuing Resources:

Cross-Sectoral Circular Solutions for a Sustainable Future

Waste management problems in the islands:

- Massive touristic flows in the islands,
- High season peaks in local consumption,
- Limited land for management facilities,
- Insufficient stability of waste volume,
- Increasing amounts of solid waste
- Illegal waste dumping,
- High transportation costs for recovered materials,

Number of International Airport
Arrivals in Corfu



Solution

Designing, developing and demonstrating a novel decentralised systemic circular solution, exploiting a **mobile, modular, sorting, recycling and reprocessing plant on Boat** that will **handle waste generation peaks in islands** on demand, locally **transforming waste into new products** meeting the **needs of island citizens and tourists**, raising awareness and introducing **new tourism packages and attractions**

2 Pilots will CoCreate new objects, spaces and experiences through an Island Participatory Approach

Ionian Islands



Eolian Islands



WORKSHOP

Re-Valuing Resources: Cross-Sectoral Circular Solutions for a Sustainable Future