



REGIANCE and the first Adaptation Mission projects cluster

REGIANCE Open Training Session n°1

22 March 2023 | Jole Lutz (ICLEI Europe)

on behalf of the REGIANCE team



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The REGIANCE consortium is committed to include gender and intersectionality as a transversal aspect in the project's activities. In line with the EU guidelines and objectives, all partners recognise the importance of advancing gender analysis and sex-disaggregated data collection in the development of scientific research.

The projects



Type	Innovation Action	Innovation Action	Innovation Action	CSA
Budget	15M€	16M€	12M€	3M€
Nr case studies	11	7	6	7
	ecosystem for climate change adaptation solutions	all 7 EU biogeographical regions	Water-focused	Low capacity regions
Lead	U Thessaly	EURECAT	U Antwerpen	IEECP

The projects



Builds an ecosystem for climate change adaptation solutions based on Systems Innovation Approach (SIA) the BRIGAD Climate Innovation Window (CIW) platform, co-created and co-designed by stakeholders.

<https://arsinoe-project.eu>



By using an adaptation framework based on multi-sectorial, multi-scale and multi-impact solutions and building on Resilience Knowledge Boosters (RKBs), IMPETUS aims to align various governance levels and adaptation policies.

<https://climate-impetus.eu>



Establishes a “Transformational Adaptation process”, as the set-up of the innovation ecosystem, a pathway selection, the demonstration of Region Specific Portfolios (RSPs) “solutions”, monitoring and its acceleration.

<https://transformar.eu/>



Aims to foster the adoption of regional climate resilience pathways, wide dissemination and replication of the solutions within most impacted and low-capacity regions (engaging with regional authorities and key stakeholders).

<https://regilience.eu/>

Our regions

ADDRESSSED SDGS

KEY COMMUNITIES SYSTEMS

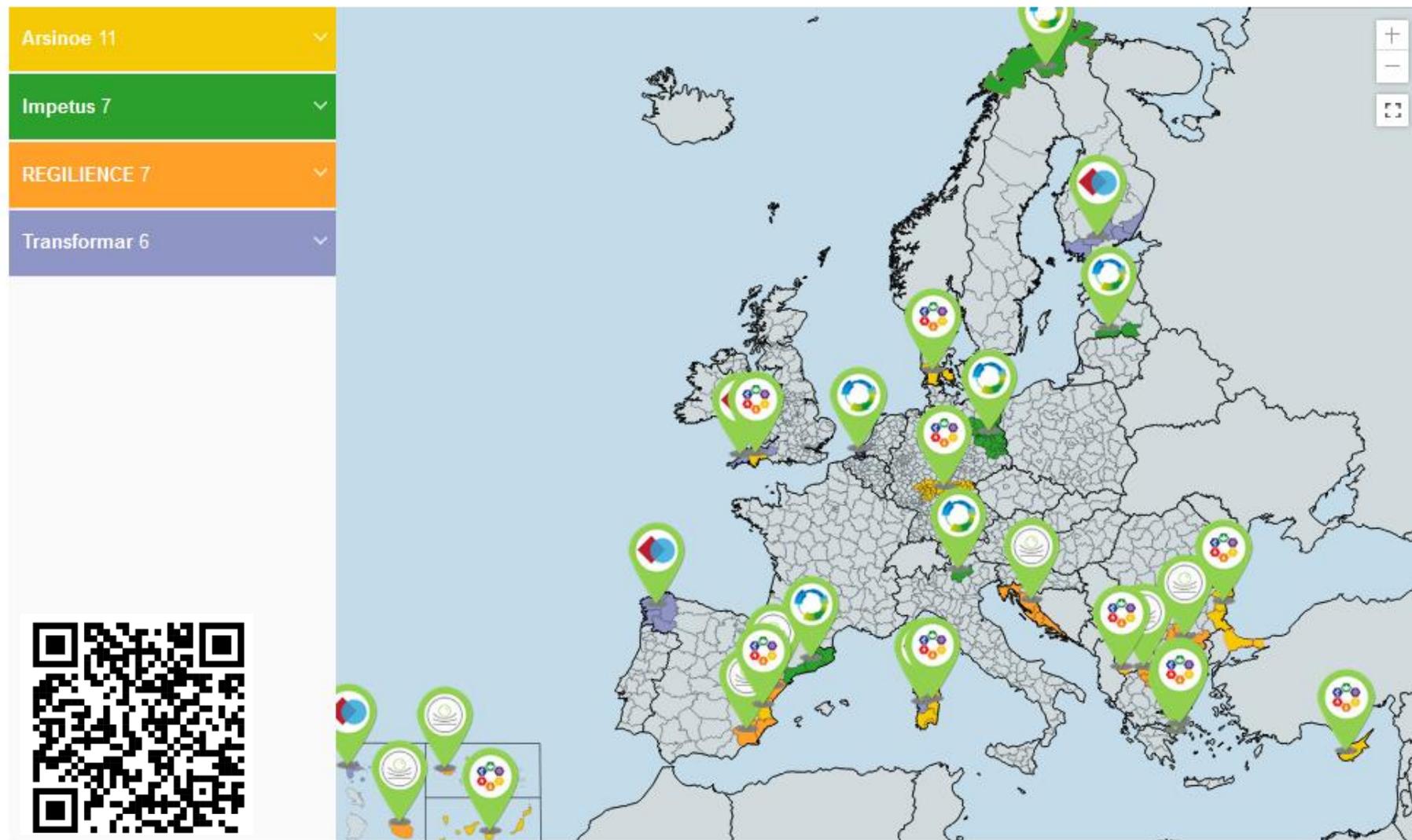
Clear all Search

Arsinoe 11

Impetus 7

REGILIENCE 7

Transformar 6



The image shows a screenshot of a web application interface. At the top, there are two search bars: 'ADDRESSSED SDGS' and 'KEY COMMUNITIES SYSTEMS'. Below these are buttons for 'Clear all' and 'Search'. On the left side, there is a vertical sidebar menu with four colored items: 'Arsinoe 11' (yellow), 'Impetus 7' (green), 'REGILIENCE 7' (orange), and 'Transformar 6' (purple). The main area of the interface is a map of Europe, with numerous green location pins placed across various countries. Each pin contains a small circular icon with a colorful geometric pattern. In the bottom-left corner of the map area, there is a QR code.

<https://regilience.eu/maps/>

Or

Scan this QR code
to get access →



Our regions

<https://regilience.eu/maps/>

Or

Scan this QR code
to get access →

The screenshot displays a web application interface for 'Our regions'. On the left, there is a vertical list of filters under the heading 'ADDRESSED SDGS'. The filters are: 'Arsinoe 11' (yellow), 'Impetus 7' (green), 'REGILIENCE 7' (orange), and 'Transformar 6' (purple). Below this list is a QR code. On the right, there is a map of Europe with several green location pins. A dropdown menu titled 'KEY COMMUNITIES SYSTEMS' is open, showing a list of categories: '1 - Ecosystems & Nature-based Solutions', '2 - Critical Infrastructure', '3 - Health & Wellbeing', '4 - Water Management' (highlighted in blue), and '5 - Land use & Food systems'. The map also features a search bar with 'Clear all' and 'Search' buttons, and zoom controls (+, -, and a square icon).

Our regions

ADDRESSED SDGS

KEY COMMUNITIES SYSTEMS

Clear all

Search

- Arsinoe 11
- Impetus 7
- REGILIENCE 7
- Transformar 6

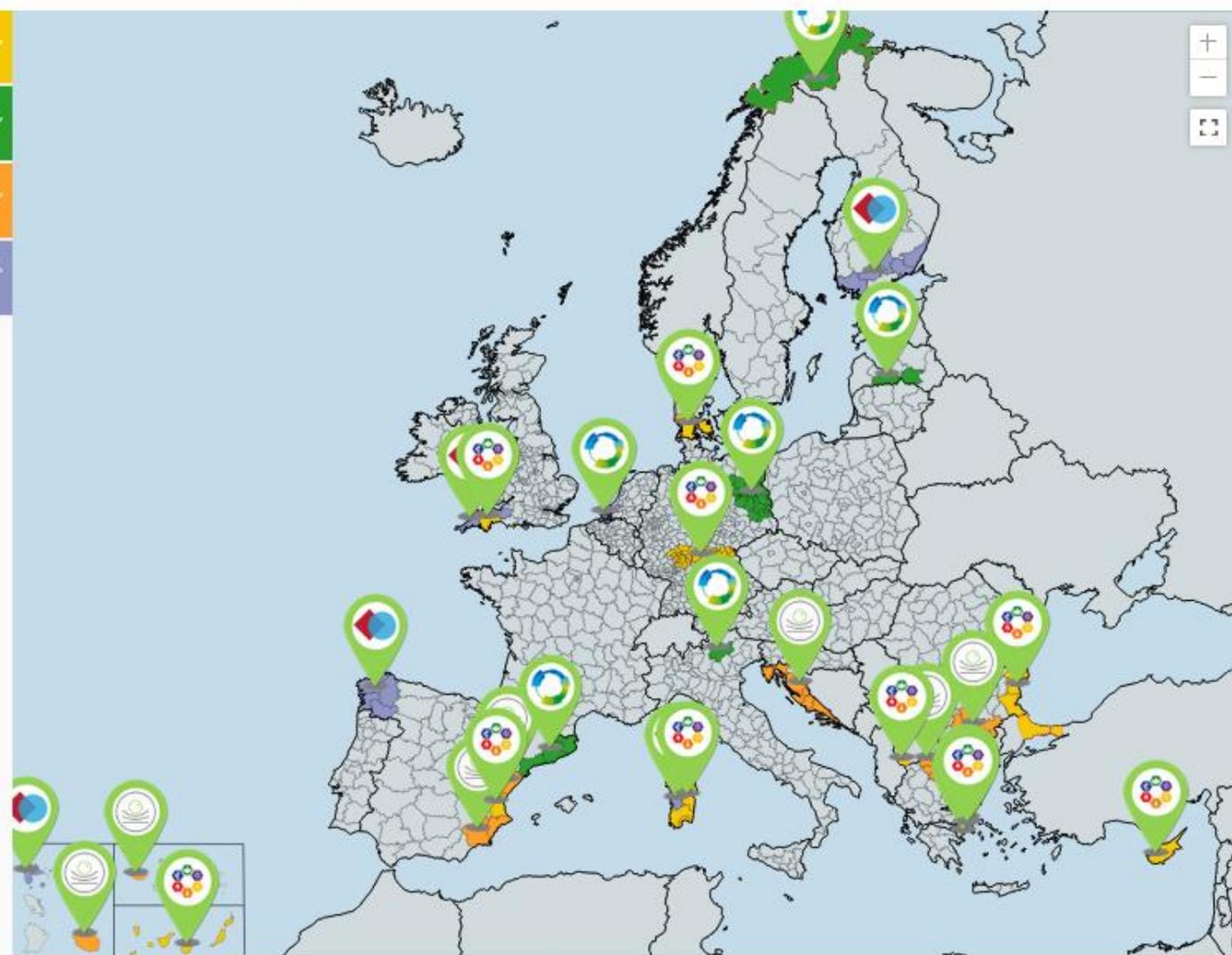
City of Lappeenranta

Westcountry region

Guadeloupe Archipelago

Oristano

Galicia Region



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Our regions

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ADDRESSED SDGS

KEY COMMUNITIES SYSTEMS

Clear all

Search



- Arsinoe 11
- Impetus 7
- REGILIENCE 7
- Transformar 6
- City of Lappeenranta
- Westcountry region
- Guadeloupe Archipelago
- Oristano
- Galicia Region



Region name: Galicia Region

Name of the project: Transformar

Local Project Partner Organization



Resilience topic/sector addressed

Mussel and clam aquaculture; monitoring and digitalisation, IoT

Key Facts/current situation

Galicia's regional population includes some 2.7 million people. The region has developed a Galician Climate Change Strategy 2050, and an Integrated Regional Plan for Energy and Climate for the period 2019-2023 which is meant to guide the implementation of the strategy.

Ambitions/expected results

With this Demo Site, TransformAr will:

- Mitigate the climate-related threats to Mussel culture;
- Identify strategic priorities and focus efforts when adapting the mussel culture to climate change.



Activities developed across the projects



Analyse: Activities that focus on analysing states or developments, e.g. a vulnerability assessment for a city;



Inform: Activities that focus on delivering information to target groups, e.g. setting up a climate innovation hub;



Infrastructure & Management – Water: Activities that deal with building or upgrading water-related infrastructure or with water management, e.g. implementing a stormwater management system;



Monitor: Activities that focus on collecting and analysing data for monitoring purposes, e.g. monitoring flow rates and water quality in a river;



Infrastructure & Management – Soil: Activities that deal with building or upgrading soil-related infrastructure or with soil management, e.g. treating soil to reduce its salinity;



Create software: Programming apps, websites or any other software, e.g. creating a citizen app with information on climate impacts;



Create / nurture networks: Activities that focus on establishing, strengthening or widening any networks of people, e.g. creating an alliance for a resilient coast;



Map: Activities concerned with mapping information onto a geographical space, e.g. creating a map with heatwave hot spots for a municipality;



Provide access to capital: Activities that focus on providing access to financing for climate-related actions, e.g. setting up a regional fund where small-scale projects can apply for funding;



Develop plan / strategy: Activities concerned with drafting plans or strategies on how to deal with impacts of climate change or strengthen resilience, e.g. developing an adaptation strategy for a coastal region;



Install sensors: Activities that deal with installing equipment for the purposes of data collection, e.g. installing a sensor that measures nutrient levels in a lake.

Tools and solutions

This overview aims to compile the different tools which are in process of development by the four projects. Its main purpose is to:

- Foster **co-creation and synergies** between tools in the development stage
- Enable **uptake of tools** by other Mission projects or initiatives
- Enable the European Environmental Agency to identify tools to be integrated into **Climate-ADAPT's Adaptation Support Tool (AST)** and its steps:

1. Preparing the ground for adaptation
2. Assessing climate change risks and vulnerabilities
3. Identifying adaptation options
4. Assessing adaptation options
5. Implementing Adaptation
6. Monitoring and Evaluating Adaptation

	Name of the tool	Climate-ADAPT AST steps					
		1	2	3	4	5	6
1	ARSINOE Data Catalogue	x					
2	Hot Spot Risk Assessment Tool		x				
3	Resilience Knowledge Boosters		x	x			
4	Cascading impacts and permutable services modelling tool		x	(x)	x		
5	System Dynamics Modelling (SDM) tool		x		x		
6	Distributed Hybrid Modelling for Climate Resilience Analysis		x		x		
7	Traffic Impact Assessment Model		x		x		
8	Playbook for transformational adaptation			x	x		
9	Maladaptation self-assessment tool				x		
10	Choice experiment survey for understanding the acceptance of transformational adaptation solutions				x		
11	Socio-economic impact assessment of adaptation solutions				x	x	
12	Climate adaptation funding overview tool					x	
13	Knowledge Graph (SustainGraph)						x

Tools

Funding opportunities for climate adaptation at regional level

Easy guide

FUNDING OPPORTUNITIES guide

What you will find in the REGILIENCE Funding Opportunities leaflet:

Funding opportunities have different eligibility criteria in terms of sectors and actors and require different level of effort to apply. To facilitate the reading of our leaflet we use symbols to represent each one of them.

Please find below the explanation of the symbols you will encounter in the leaflet of each fund.

- Agriculture
- Buildings
- Transport
- Forestry
- Energy
- Health
- Ecosystem restoration
- Tourism
- Coastal areas
- Water management
- Biodiversity protection
- Disaster Risk Reduction
- Marine and Fisheries
- Other
- NGO
- Companies, SMEs, private associations
- Local authorities and administrative bodies
- Social, cultural, educational institutions

Required language for application

Eligible countries

Low effort Medium effort High effort

REGILIENCE
Regional Pathways to Climate Resilience

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101036560. The sole responsibility for the content of this publication lies with the authors.

Joint Newsletter

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Thank you!

