Project Overview

START DATE
June 1, 2023

DURATION
36 months

BUDGET
€3 Million

EUROPEAN PARTNERS
14

Aligning with the EU's Adaptation Mission

VALORADA contributes to EU's Adaptation Mission, which seeks to support the transformation of 150 European regions and communities towards climate resilience by 2030. Our approach involves:

1. **Accelerating Societal Transformations:** Fast-tracking sustainable practices.
2. **Demonstrating Systemic Transformations:** Showcasing comprehensive changes for climate resilience.
3. **Improving Climate Data Access:** Enhancing data access for informed decisions.

Project Coordination

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VALORADA EU

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VALIDATED LOCAL RISK ACTIONABLE DATA FOR ADAPTATION

The Challenge

Regions and municipalities produce large volumes of socioeconomic, demographic or land-use data, which can provide meaningful characterisation of climate risk and vulnerability at local scale. While the integration of these data in local decision making is still low, the usability of climate information requires a local and contextualised understanding of climate risks. **VALORADA's challenge is to build on existing locally -sourced data and information- data which is already integrated into local administrative practices and competencies and without having to demand the generation or collection of new datasets.**

Value Proposition

VALORADA aims to increase the use of available climate information by regional and local administrations by co-designing climate-data services that grant "climate value" to locally sourced datasets in regions and communities. VALORADA wants to empower European regions and cities to steer the upcoming societal transformation towards sustainable and climate-resilient development through their own actions.

Objectives

- Assessing the data baseline for climate adaptation and climate resilience needed on a regional and local scale.
- Showcasing the added-value of prototype data-manipulation tools through demonstration activities and evaluation.
- Maximising the impact of VALORADA tools and applications following the FAIR data principles.

Our Demonstrators

VALORADA's visionary framework is taking shape through five dynamic demonstrators, each focusing on different sectors, climate risks, and community systems.

Gabrovo and Burgas Municipalities, Bulgaria

- Monitoring of flash floods
- Monitoring on drought and forest fires, air quality monitoring and heat islands in urban areas
- Looking at adaptation solutions for mostly urban environment
- Monitoring of air quality, heat islands, wild fires, extreme rainfall, drought (Burgas)
- Wetlands monitoring (Burgas)

Statutory City of Přerov and Statutory City of Mladá Boleslav, Czechia

- Determining the most vulnerable urban green areas as well as the key urban green infrastructure
- Predicting the health state of the urban green functional areas in the future
- Proposing additional nature-based solutions to enhance the city's adaptation capacity, and thus its climate resilience

Occitania Region, France

- Assessing risks for agriculture and viticulture during hot, water-scarce summers
- Identifying urban heat islands and their impact on vulnerable populations, considering the benefits of more vegetation
- Evaluating risks from rising Mediterranean coastal water levels on soil, water salinity, and local agriculture

Region of Central Greece

- Evaluating the risks for the agriculture regional sector linked to hot summer periods, lack of water available for irrigation, soil erosion
- Assessing the risks linked to water level increase in the Mediterranean coastal zone

Molise Region, Italy

- Evaluating the risks for the agriculture and livestock sector linked to climatic changes with a main focus on social vulnerability due to the aged population and evaluation of potential adaptation measures
- Assessing the risks linked to water level increase and extreme events in the Adriatic coastal zone