



# valorada

VALIDATED LOCAL RISK  
ACTIONABLE DATA  
FOR ADAPTATION

## Project Overview



START DATE  
June 1, 2023



DURATION  
36 months



BUDGET  
€3 Million



CONSORTIUM  
14 European  
partners

## Challenges

Despite the vast amounts of socioeconomic, demographic, and land-use data generated by regions and municipalities, their integration into local decision-making remains limited. Yet, these data are crucial for accurately assessing climate risk and vulnerability at the local level. VALORADA aims to enhance the usability of climate information by fostering a more contextualized understanding of climate risks. By enhancing the usability and the collect of existing locally sourced data and integrating it into existing administrative practices and competencies, the project will support informed and actionable local decision-making.

## Objectives



Enhancing Data Integration for Climate Adaptation and resilience strategies through regional and local climate data needs assessment



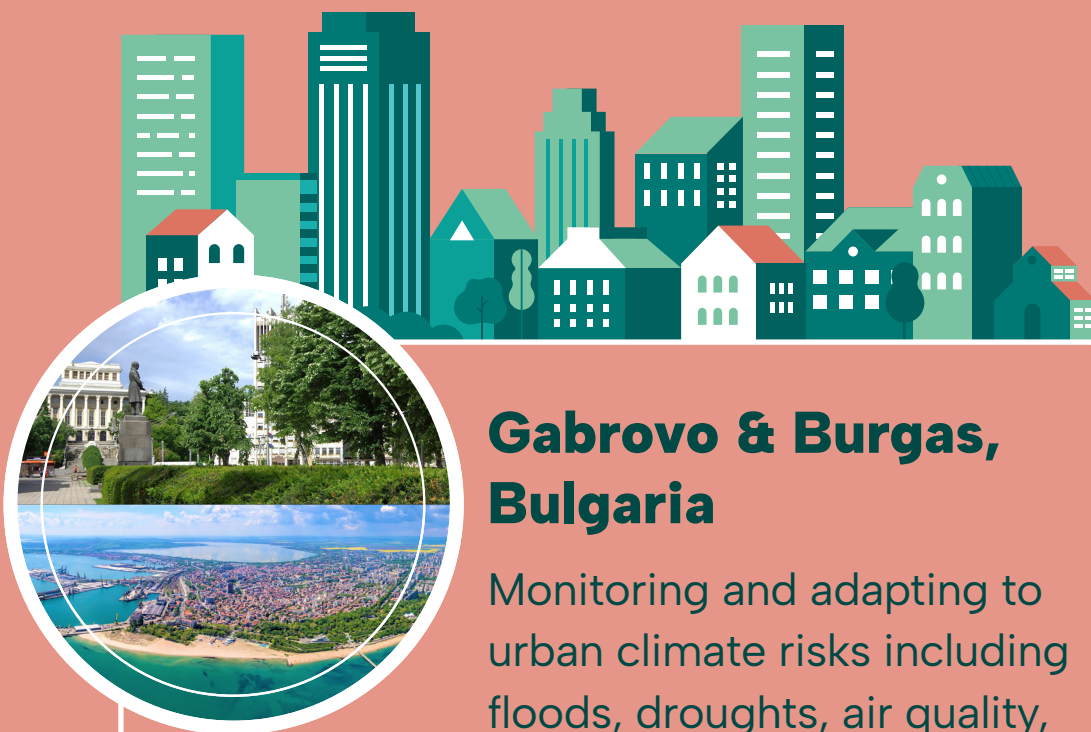
Developing and Showcasing Data-Driven Tools through demonstration activities and evaluations



Maximizing Impact and Interoperability of tools align with FAIR principles



## 5 Demonstrators



### Gabrovo & Burgas, Bulgaria

Monitoring and adapting to urban climate risks including floods, droughts, air quality, heat islands, wildfires, and wetland changes.



### Přerov & Mladá Boleslav, Czechia

Enhancing urban resilience through green infrastructure assessment, health prediction, and nature-based adaptation planning.



### Occitanie, France

Addressing heat, drought, and sea-level rise impacts on agriculture, viticulture, and urban populations.



### Central Greece

Tackling agricultural and coastal climate risks related to heatwaves, irrigation shortages, and soil erosion.



### Molise, Italy

Assessing climate impacts on agriculture and elderly populations, with focus on adaptation to coastal and extreme weather events.

## A unique data valorisation workflow

1

Climate Impact Chains

2

Climate risk indicators

3

Local Data for Climate Adaptation Profile

4

Value-chain of climate-adaptation relevant data

5

Municipal Climate Adaptation Data Library, template Catalogue and Protocol

6

Data valuation metrics

7

Visualisation tools

## Visualisation tools

4 innovative tools, available as web platforms with data access, each specializing in the assessment of a specific climate risk:



### Pixagri by TerraNIS:

Focused on **rural environments**, this tool evaluates **drought risks**, impacts on **water needs**, **agricultural production**, and **flood exposure**.



### Landia by TerraNIS:

Dedicated to **urban areas** affected by **urban heat islands**, analyzing **temperature increases** in cities compared to nearby rural regions.



### Terracoast by TERRA SPATIUM:

Designed for **coastal areas**, it monitors **shoreline evolution** and the effects of **coastal erosion**.



### Soil Erosion by Aristotle University of Thessaloniki:

Specializing in the **assessment of land degradation**, providing insights into **soil health** and **erosion risks**.



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## Contact Us



<https://www.valorada-project.eu>



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