

Focus

The **Murcia lab** is exploring the possibilities of citizen science and collaborative mapping to define solutions to improve urban resilience against the impacts of climate change. By integrating concepts of urban design with active citizen involvement, the project introduces a unique focus, drawing from the adaptation of the **Spanish Urban Agenda** and establishing a framework to identify resilience-building actions for Murcia. Participatory techniques involve citizen using digital tools and urban exploration to map and comprehend climate-related issues such as heatwaves and floods.

Approach

The MURCIA Lab aims to develop:

1 | Knowledge to increase urban resilience to climate change hazards in Murcia districts.

- Use evidence-based knowledge
- Generate citizen-based knowledge of impacts

2 | Proposals to improve the city's response to climate change hazards based on key factor identification and scenarios development.

- Developed through a process involving citizen and urban managers.
- At the district level scale

3 | Promote the foresight vision in the strategic policies to adapt and mitigate climate change impacts.

Understand the problem

Process
kick-off

Community
mapping

Study visits
to districts

Factor
selection
and
projection

Scenario
drafting
workshop

Scenario development

Policy
testing
workshop

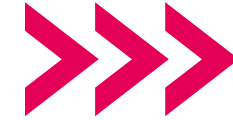
Strategic
guidelines

Policy exploration

Challenges

The lab focuses on the following challenges:

- **Reducing the impacts of urban heat islands:** how to enhance the livability of our cities through bioclimatic strategies and nature-based solutions.
- **Mitigating the impacts of heavy rainfall and flooding:** How to improve the city's response to managing large quantities of rainwater in a short time by adapting its infrastructure and public spaces.
- **Increasing the compactness of the city:** promoting actions aimed at making the consolidated urban fabric more compact, capable of meeting residents' daily needs, improving their quality of life, and encouraging sustainable transportation.



Ayuntamiento
de Murcia



MURCIA LAB

What is FUTURESILIENCE?

The FUTURESILIENCE project aims to strengthen European economic and social resilience through an enhanced ability to quickly respond to future crises. This will be achieved by facilitating the fast and effective use of policy relevant research and innovation (R&I) findings through 10 pilot cases called 'FutuResilience Labs'. During the experimentation, multiple stakeholders will discuss and test evidence-based strategies tailored to their specific context and matching their local needs.

Project consortium



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MURCIA LAB

Climate change crowdmapping
for better urban policy solutions



FutuResilience