

CLIMAAX4CIRA: Planning for Future Resilience & Sustainability

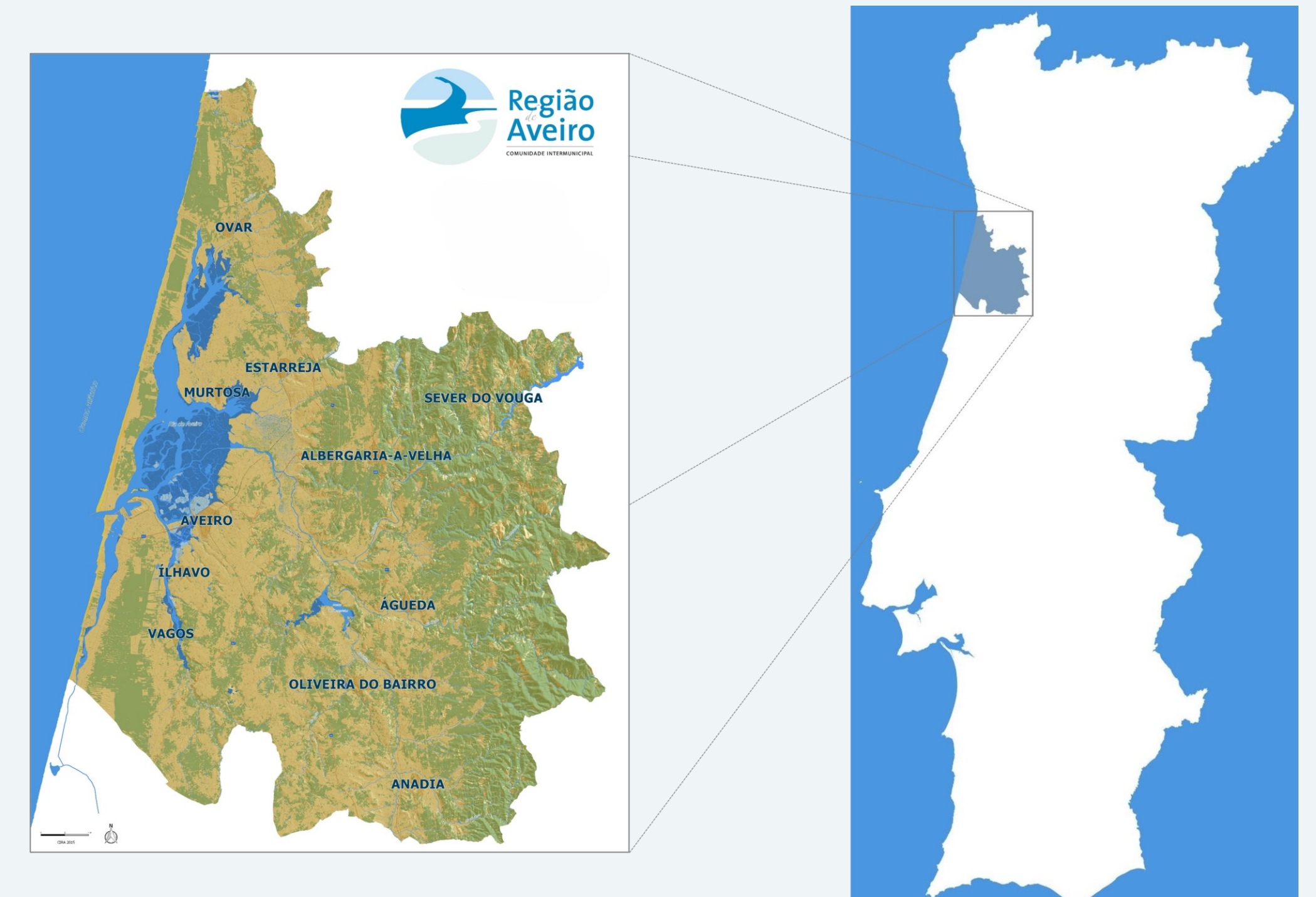
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Intermunicipal Community of the Aveiro Region

Aveiro Region, in central coastal Portugal, spans 11 municipalities and is shaped by its proximity to the Atlantic Ocean and the Ria de Aveiro lagoon. The territory combines low-lying coastal zones—vulnerable to flooding and sea level rise—with inland areas dependent on agriculture and exposed to drought. It's a diverse region economically (agriculture, tourism, industry) and demographically (rural and urban zones). The combination of natural exposure and socio-economic importance makes Aveiro a priority for climate resilience planning.



Major Climate Challenges in Aveiro Region

-  **Rising Temperatures & Heatwaves:** Temperatures could rise by up to 2.0°C by mid-century, increasing the frequency and intensity of heatwaves. This affects public health, agriculture, and water resources.
-  **Drought & Water Scarcity:** Less rainfall and higher temperatures are already leading to more severe droughts, threatening water supply and reducing agricultural productivity.
-  **Extreme Rainfall & Flooding:** Fewer rainy days, but more intense storms, raise flood risks—especially in coastal and lagoon areas. Infrastructure and homes are particularly vulnerable.
-  **Coastal Erosion & Sea Level Rise:** The region's coastline and the Ria de Aveiro face rising sea levels and sediment loss. This endangers biodiversity, fisheries, and economic activities linked to the coastal landscape.

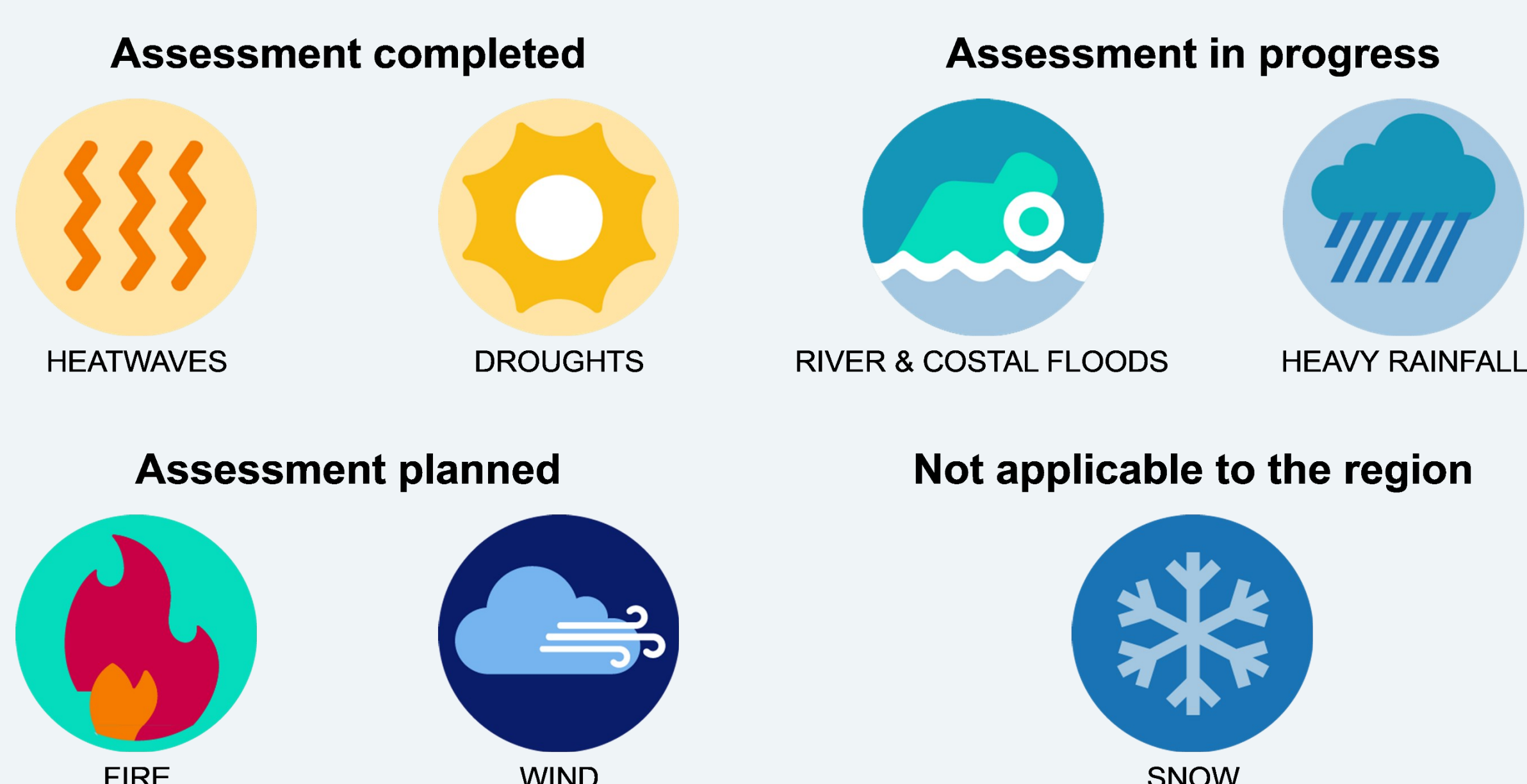
CLIMAAX4CIRA Implementation

Objective:

CLIMAAX4CIRA aims to enhance climate resilience in the Aveiro Region by conducting a comprehensive, multi-hazard climate risk assessment. This initiative focuses on the region's most pressing vulnerabilities: heatwaves, droughts, floods, and coastal erosion. By integrating scientific tools with local knowledge, the project supports informed decision-making and long-term planning.

Phase 1 – Climate Risk Assessments (CRA) toolbox:

In the initial phase, the CLIMAAX CRA methodology is being applied to assess the climate hazards most relevant to the Aveiro Region. To date, the following risk workflows have been completed or are under development:



Expected Outcomes:

- Risk maps and vulnerability profiles for priority hazards
- Adaptation measures co-designed with stakeholders
- Integration of risk evidence into intermunicipal planning tools
- Increased technical capacity for managing climate risks
- Improved public engagement and awareness.

Project Partners:



Funded by
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CLIMAAX
climate ready regions