



# National Roadmap for Adaptation XXI

## Portuguese Territorial Climate Change Vulnerability Assessment for XXI Century



**Eduardo Santos**

Head of Department  
Climate Change Department

September 7<sup>th</sup> 2020







- ✓ **Increased frequency and intensity of forest fires**
- ✓ **Increased frequency and intensity of heat waves**
- ✓ **Increased frequency and intensity of droughts and water scarcity**
- ✓ **Increased susceptibility to desertification**
- ✓ **Maximum temperature increase**
- ✓ **Increased frequency and intensity of extreme precipitation events**
- ✓ **Rising sea level**
- ✓ **Increased frequency and intensity of extreme phenomena that cause coastal erosion**

**Paris Agreement: Holding global average temperature increase to 1,5°C | 2°C**

## EEA Grants 2014-21 Pre-Defined Project – Environment Programme

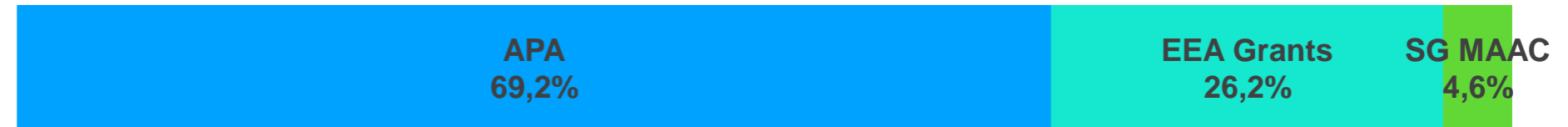
Systematize and update existing knowledge about climate vulnerabilities in different global temperature increase scenarios and integrate planning exercises with territorial expression

Define methodologies and criteria for integrating vulnerabilities into climate change and future impacts on sectoral planning, including costs of action and inaction

- Timeline: Set 2020 – Dez 2023

- Budget: 1 300 000 €

- Financing:



- Promoter:



- Partners:



# NRA XXI OBJECTIVES

Support the activities of the NAS (ENAAC 2020), the implementation and monitoring of the NAP (P-3AC), as well as other strategic and planning tools for CC Adaptation

Contribute to the implementation of National Spatial Planning Policy Programme (PNPOT), identifying and mapping the vulnerable territories to CC, aiming to guarantee socioecological resilience of territories on the different planning and management levels

Develop tools to identify climate vulnerabilities, based on the best available knowledge, to support decision-making at the various territorial levels

Reference basis for communication and awareness actions

**Characterization of socioeconomic impacts**

Characterize socioeconomic impacts of CC at different territorial scales and assess financial needs

**Reference for communication and awareness**

**Knowledge on planning mainstreaming**

**Decision-making support tools**

**Identification of investment needs**

Knowledge development and dissemination on how adaptation is being integrated into the various territorial and sectorial planning instruments, as well as the actors involved

**PNPOT implementation**

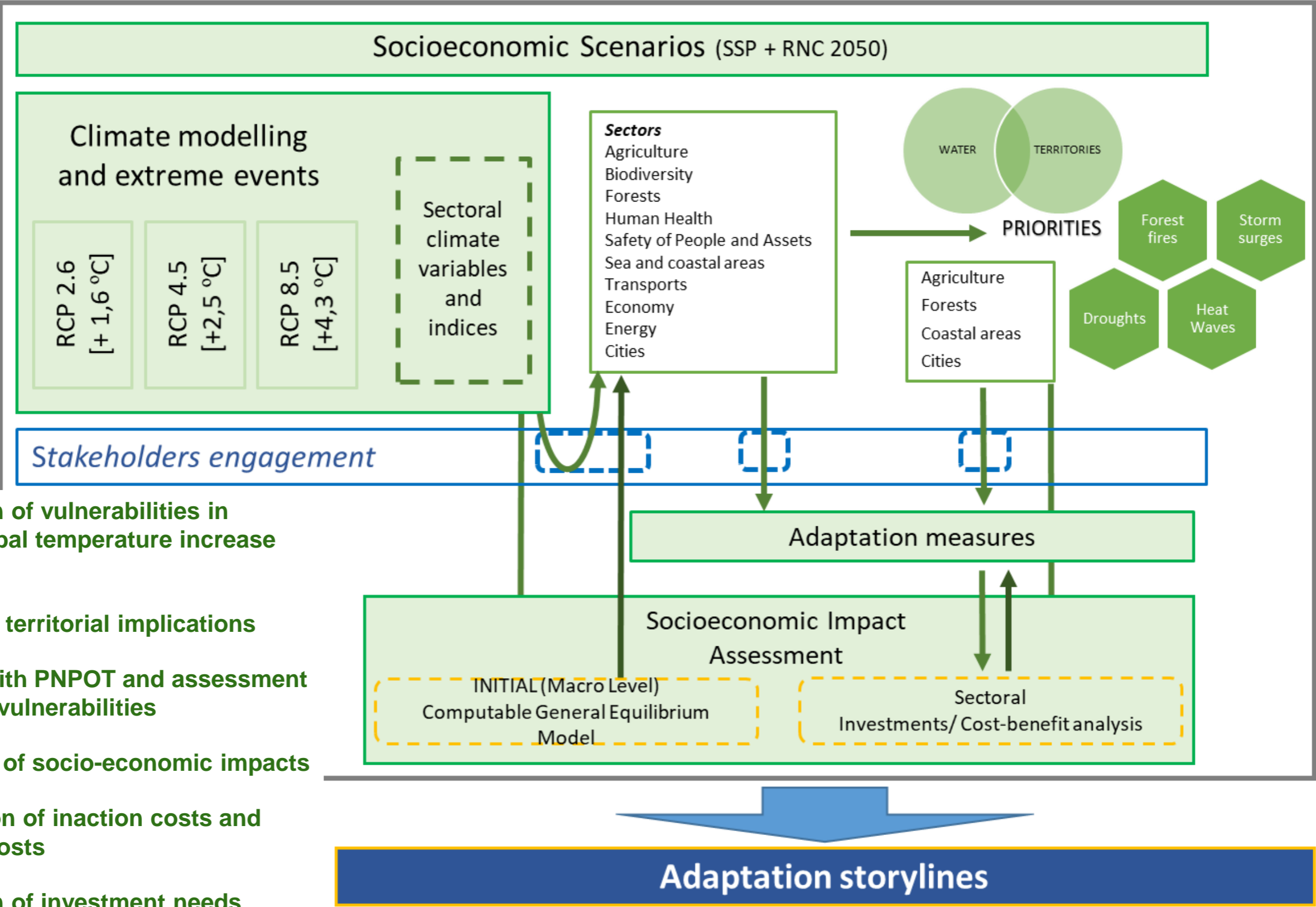
**Mainstreaming in projects design**

Identify needs for the implementation of adaptation at all sectorial and territorial levels, including cross-sectoral approach according to territorial specificities

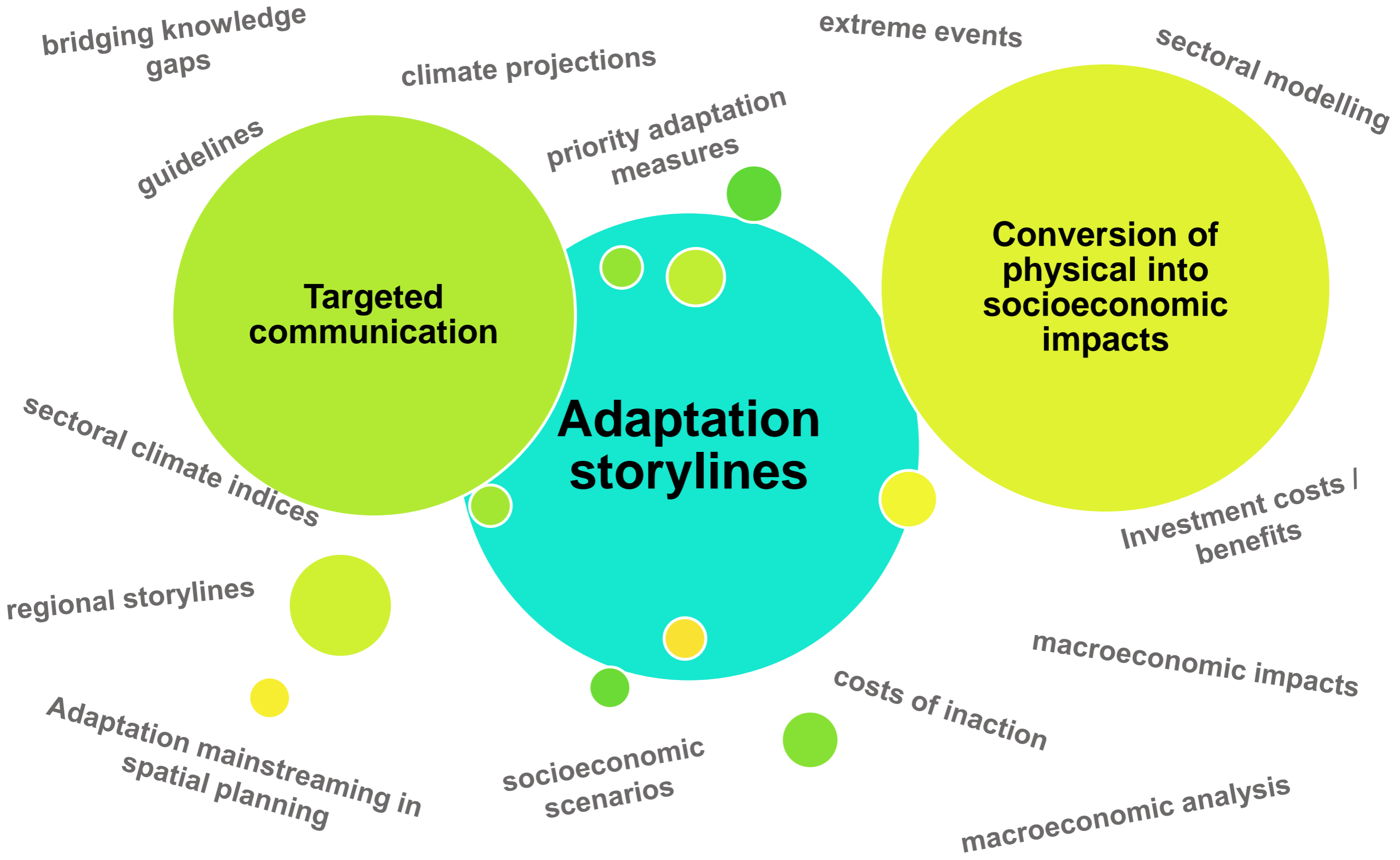
Support the progressive mainstreaming of adaptation to CC in the design of direct and indirect intervention projects in the territory

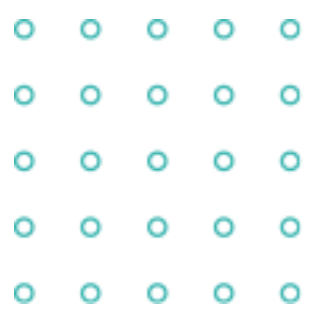
**Support to adaptation policies**





- ✓ Identification of vulnerabilities in different global temperature increase scenarios
- ✓ Sectoral and territorial implications
- ✓ Alignment with PNPT and assessment of territorial vulnerabilities
- ✓ Assessment of socio-economic impacts
- ✓ Determination of inaction costs and adaptation costs
- ✓ Identification of investment needs





**apa**  
agência portuguesa  
do **ambiente**

Thank you

[apambiente.pt](http://apambiente.pt)

[RNA2100@apambiente.pt](mailto:RNA2100@apambiente.pt)

