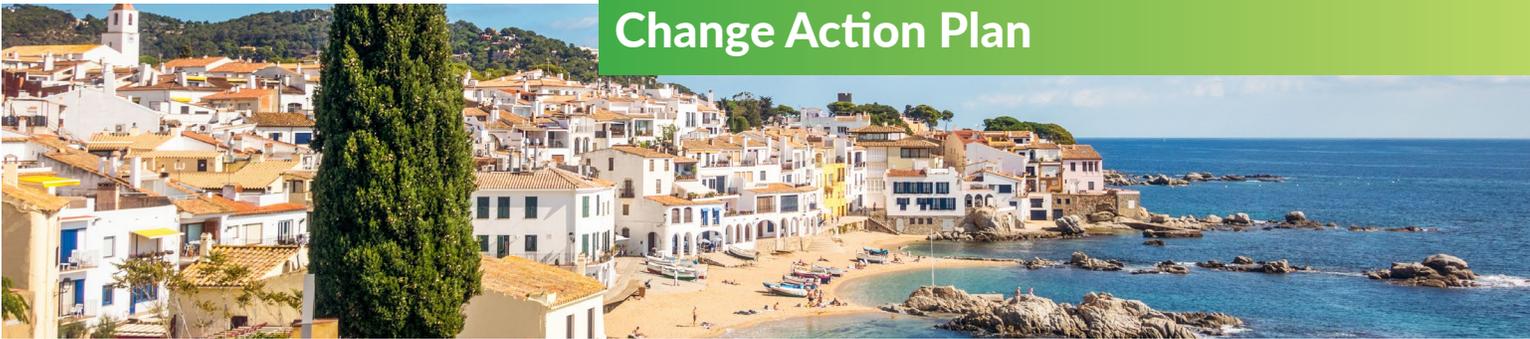


## CASE STUDY

# Spain's National Climate Change Action Plan



### IDENTIFYING HAZARDS:

To promote adaptation to the climate change scenario expected for the 21st century, the Spanish government has developed regional climate-hydrological models which allow for the evaluation of different scenarios; reviewed the impact on expected hydrological changes on other economic sectors that are dependent on water resources; evaluated water management options under these climate scenarios; and **required the incorporation of climate data in the Environmental Impact Assessments done for new projects in the water sector.**

The Spanish government has created a web portal climate tool, the Plataforma sobre Adaptación al Cambio Climático en España ([Platform for Adaptation to Climate Change](#)), to **provide public and private developers with projected information on several key climate hazards that can be adjusted by a number of input parameters, including time horizon (short-, medium-, and long-term), time of year, and according to different Representative Concentration Pathways (RCPs), i.e. modeled climate change scenarios.**

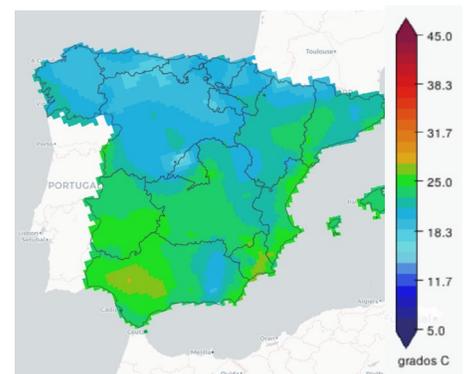
### POLICY APPROACHES TO INCREASE RESILIENCE:

[Spain's National Climate Change Action Plan](#) **incorporates both top-down and bottom-up approaches.** The top-down approach begins with global climate forecasts and focuses on the long-term impacts of climate change and the physical vulnerability to changes and is organized through the Coordination Commission on Climate Change Policy made up of the national government and the governments of the autonomous communities of Spain. The bottom-up approach is based on local adaptive capacity and the vulnerability of society assessments. This approach involves a series of ongoing roundtables, seminars, trainings, and information on the design and development of projects aimed at promoting dialogue on adaptation approaches by businesses, insurers, consumers, NGOs, scientific institutions, and other identified stakeholders, coordinated by the Ministry of Environment.

**For the water sector, this bottom-up approach has encouraged experimentation with a wide variety of methods** to enhance adaptation at a local level, including reuse and recycling of water resources, water-saving measures, and drought management. The implementation of the national adaptation plan relies heavily on the exchange of information between the government, the private sector, and other stakeholders. The plan was developed through several roundtables with key stakeholders, and an important aspect of it is for continuous updates through this bottom-up approach of dialogue and feedback to refine the information provided from all stakeholders to improve the adaptation plan and develop actionable sector plans.

### Map of Spain in Future Climate Scenario

Source: Spain's Platform for Adaptation to Climate Change



## PRIORITIZE RESILIENCE EFFORTS:

Through its bottom-up and top-down coordination, the Ministry of Environment develops Work Plans for each economic sector on an annual basis which lay out activities, guidance, examples, and priority projects for adaptation. The participation of so many stakeholders in the process allows the Coordination Commission to gather as well as disseminate information on climate adaptation needs and innovative approaches. Each annual Work Plan involves extensive input and information sharing on regional climate assessments, climate scenario economic impacts, and sector-specific climate considerations to prioritize Work Plan actions.

The Ministry of Environment, through the Platform for Adaptation to Climate Change, provides a basis of predictive data on hazards and their impacts at the national, Autonomous Region, and municipal levels to ensure consistency in stakeholders' identification of climate hazards. These data provide the inputs needed to integrate climate resilience into projects of all types, including those in the water sector by subnational governments as well as private sector project developers. The widespread utilization of the same basic data, through the platform's tools, allows the Coordination Commission to more easily review and compare climate assessments carried out by stakeholders and propose and prioritize adaptation actions for the Work Plans.

**Interested in learning more about this work or Climate Finance Advisors, contact us here: [info@climate-fa.com](mailto:info@climate-fa.com)**