

Decade Collaborative Centre for Coastal Resilience

Strategic initiatives

- **Improve science information for all**

Transform our understanding, improve monitoring and prediction, and fill knowledge gaps through coordination, synthesis, and new actions.

Many people call coastal regions their home, however these areas are highly vulnerable and suffer greatly from human impacts on marine ecosystems. Recognizing the urgent challenges faced by coastal communities, which are amplified by climate change, efforts are underway to develop new science and technology for studying coastal ecosystems and their human dimensions. However, our knowledge of long-term changes and combined effects has been limited until recently.

Contributing to this effort, the DCC-CR focuses on documenting case studies, recommending new science and technology actions, supporting community-based research for coastal resilience, and advising on advancements in coastal science and engineering.

- **Enhance stakeholder engagement**

Raise awareness, from coastal communities to IOC-UNESCO and its Member States, about actionable science during the Decade

In an effort to create actionable knowledge for decision-making, new approaches are now being implemented across the academic field where researchers and knowledge-users collaborate and share their expertise to build new, more accessible products.

The objective is promoting meaningful interactions and equitable partnerships throughout the Decade science creation process is a crucial step for a successful and useful stakeholder engagement.

We involve stakeholders in the development, testing, and adoption of science and technology for coastal resilience resulting from Decade Actions. Through various channels and platforms of engagement, we will work to establish a strong community that can contribute to and support the activities and the innovation created within the Decade.

- **Promote equitable education**

Make the findings of the Decade Actions accessible through open access publications and reference catalogs

Our understanding of marine hazards and the impacts of climate change has increased over the past two decades. However, this knowledge has not been equally shared among different

communities, particularly between the Global North and South. To address this imbalance, it is important to develop educational materials and training activities that can prepare and inform the public, early career professionals, and interested practitioners about coastal resilience.

There are challenges in achieving this objective, such as ensuring that training resources are accessible to diverse communities and translating complex concepts into easily understandable content for the general public, including culturally relevant material.

Specific training courses will be organized in collaboration with the Decade Actions to transfer knowledge, enhance capacity, and promote ocean literacy.

- **Uphold environmental justice for coastal communities**

Conduct a thorough literature review and fieldwork on selected cases in the Global South. Climate change disproportionately affects impoverished and vulnerable coastal communities in the Global South. Achieving coastal resilience requires integrating new scientific concepts with the principles of environmental justice. Environmental justice involves fair distribution of environmental benefits and harms, inclusive participation in decision-making, and recognizing diverse identities and their perspectives on the environment.

This strategic objective is still in its early stages, particularly concerning coastal areas. We argue that a case-study approach using empirical research is necessary to understand the intricate relationship between environmental justice and resilience in practical terms.

Affiliated Decade Actions (few listed hereafter):

More can be found on [here](#)

- **Primary**

Coastal livelihoods: preserving oceans to strengthen coastal resilience

European Marine Board

Ocean Decade Tsunami Programme

- **Secondary**

Blue Climate Initiative

Coast Predict

Global Ecosystem for Ocean Solutions

- **Other relevant initiatives**

Save the Waves App

Sea'ties

SeaPaCS