

# The UN Decade Collaborative Centre for Coastal Resilience: enhancing local communities for a resilient Coast



UN Decade  
Collaborative Centre  
for **COASTAL  
RESILIENCE**

Andrea Valentini, UN DCC-CR - Università di Bologna

The future of Coasts and Ports in a changing climate: needed actions and opportunities for a Sustainable Blue Economy | 7th November 2023 | Blue Economy room | Ecomondo



# ONU Ocean Decade

<https://oceandecade.org/>

Launched in January 2021, the United Nations Decade of Ocean Science for Sustainable Development (2021-2030), the ‘Ocean Decade’, **provides a convening framework for a wide range of stakeholders across the world to engage and collaborate outside their traditional communities to trigger nothing less than a revolution in ocean science.**

**Mission:** “Transformative ocean science solutions for sustainable development, connecting people and our ocean.”



**45** PROGRAMMES  
**214** PROJECTS  
**69** CONTRIBUTIONS  
**420** ACTIVITIES



DECADE ACTIONS LED  
BY PARTNERS FROM  
**42**  
COUNTRIES



# Ocean Decade Challenges for collective impact



Challenge 1  
**Understand and beat  
marine pollution**



Challenge 2  
**Protect and restore ecosystems  
and biodiversity**



Challenge 3  
**Sustainably feed the global  
population**



Challenge 4  
**Develop a sustainable and  
equitable ocean economy**



Challenge 5  
**Unlock ocean-based solutions  
to climate change**



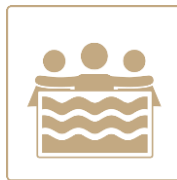
Challenge 6  
**Increase community resilience to  
ocean hazards**



Challenge 7  
**Expand the Global Ocean  
Observing System**



Challenge 8  
**Create a digital representation of  
the ocean**



Challenge 9  
**Skills, knowledge and  
technology for all**

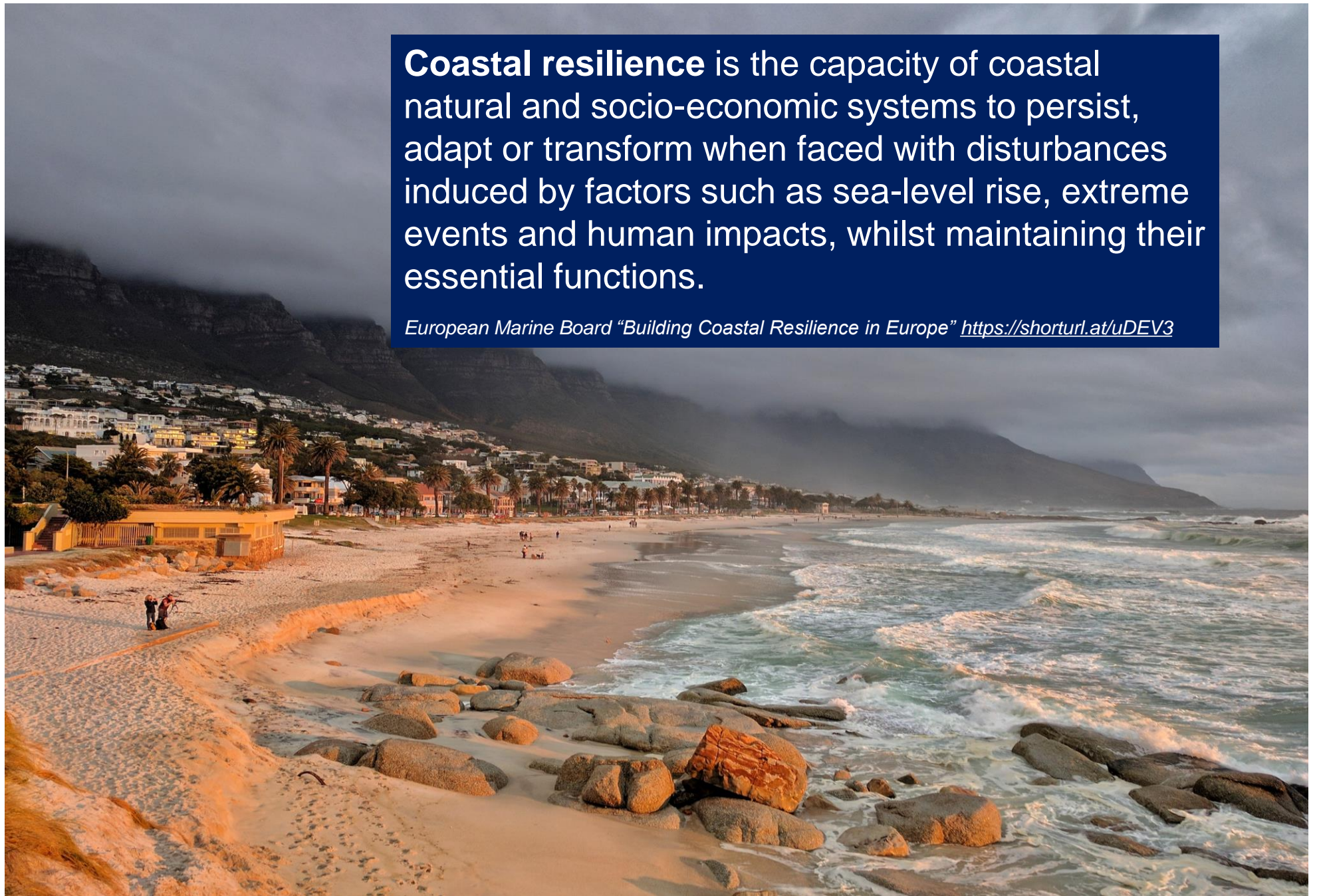


Challenge 10  
**Change humanity's relationship  
with the ocean**



**Coastal resilience** is the capacity of coastal natural and socio-economic systems to persist, adapt or transform when faced with disturbances induced by factors such as sea-level rise, extreme events and human impacts, whilst maintaining their essential functions.

European Marine Board “Building Coastal Resilience in Europe” <https://shorturl.at/uDEV3>





# UN Decade Collaborative Centre for Coastal Resilience

University of Bologna (Department of Physics)  
Supported by the Emilia-Romagna region



The main mission of the DCC-CR is to **strengthen the connection** between the new science and technology developed in the Ocean Decade and coastal stakeholders, implementing innovative **co-design practices** for coastal resilience.

## DCC-CR's strategic objectives



### IMPROVE SCIENCE INFORMATION FOR ALL

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



### ENHANCE STAKEHOLDER ENGAGEMENT

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



### PROMOTE EQUITABLE EDUCATION

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



### UPHOLD ENVIRONMENTAL JUSTICE FOR COASTAL COMMUNITIES

*Conduct a thorough literature review and fieldwork on selected cases in the Global South*



## DCC-CR's ongoing activities



**IMPROVE SCIENCE  
INFORMATION FOR ALL**

*White paper "The future of Coastal Resilience"  
Knowledge HUB for Coastal Resilience*



**ENHANCE STAKEHOLDER  
ENGAGEMENT**

*Newsletter, webinars and survey for coastal  
hazards  
Mapping of stakeholders*



**PROMOTE EQUITABLE  
EDUCATION**

*First training activity on coastal resilience*



**UPHOLD ENVIRONMENTAL  
JUSTICE FOR COASTAL  
COMMUNITIES**

*Literature review coastal resilience and  
environmental justice*



## DCC-CR's Cross-cutting activities

Global  
South  
Coasts

Cities  
with the  
Ocean

Ocean  
Decade  
Vision 2030

COP on  
Coastal  
Ecosystem and  
Community  
Resilience

GlobalCoast  
Experiment



# Ocean Decade Vision 2030: Increase resilience to coastal hazards

- Participatory and iterative process launched by Decade Coordination Unit in April 2023
- To set **strategic ambition** and associated **milestones and targets** for each of the ten Decade **Challenges**
- Ten Working Groups led by co-chairs – **Nadia Pinardi and Srinivasa Kumar (DCC-IOR) co-chairing WG6**
- Co-chairs to establish WG and workplan and to coordinate draft **White Paper** which will be presented at **UNODC 2024.**

## UNDRR Global Assessment Report On Disaster Risk Reduction (GAR)

<https://www.undrr.org/gar/gar2023-special-report>



**GAR Special Report 2023:  
Mapping resilience for the  
Sustainable Development  
Goals**

**Disasters are reversing global development. Urgent action is needed to build resilience into every decision we make.**

Growing inequities and pressures on the planet are reversing hard-won development gains.



## Coming next

- **November 14:** Webinar “Coastal Connections: Interdisciplinary Methodologies for Resilient Shores”
- **12-13 December 2023 – Bologna, Italy**
  - Workshop “Sharing best practices in the sustainable management of coastal environments”
    - Presentation of local experiences in the Emilia-Romagna region
    - Comparing regional best practices around the world
    - Perspective and approaches for coastal resilience
- **18-23 February 2024 – New Orleans, USA**
  - Townhall meeting: “A Dialogue on Coastal Cities and Coastal Community Resilience”
- **8-12 April 2024 – Barcelona, Spain**
  - 2 satellite events submitted at the UN Ocean Decade Conference

**REGISTRATION** <https://shorturl.at/esTX9>





# Job opportunities – join the DCC-CR!

## 1. Programme Manager

- Support the development and organization of activities within the DCC-CR
- Deadline to apply: November 20<sup>th</sup>, 2023

## 2. Research Fellow

- Responsible for implementing teaching modules for the course “Resilient Coastal Business Models”
- Deadline to apply: November 30<sup>th</sup>, 2023



<https://centri.unibo.it/dcc-cr/en/news/job-opportunities-at-the-dcc-cr>



## Get in touch

The DCCs and DCOs network has to build the next generation infrastructure for the UNESCO-IOC contribution to the Sustainable Development Goals.

The DCC-CR is ready to go the last mile: to increase coastal resilience for a more prosperous and equitable future for human society.



**How to Engage  
DCC-CR website**  
<https://shorturl.at/bhzi9>

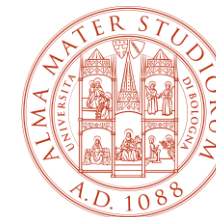


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<https://shorturl.at/fzAO7>



**[@DCC-CoastalResilience](#)**


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**Thank you for your attention!**

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