

# “Coastal Futures: Charting Priorities for Resilience”: results of engagement

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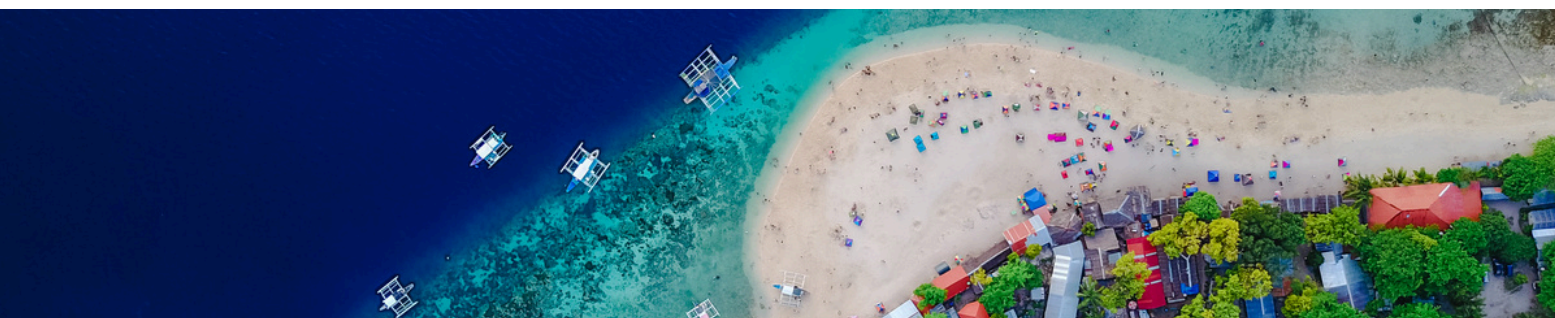
On April 11th, 2024, four events merged into this 2024 Ocean Decade Conference Satellite Event hosted by DCC-CR and co-hosted by CoastPredict Programme, Knowledge Hub on Sea Level Rise and Ocean and Climate Platform.

This report summarises the results on engaging participants through polls and Q&A sessions to gather insights on coastal resilience, sea-level rise impacts, and international milestones for advancing resilience.

Key outcomes included high engagement levels, with 110 out of 124 participants actively involved, and significant participation in polls. The event highlighted strategies for supporting coastal resilience, diverse interpretations of coastal resilience, and relevant sea-level rise-induced impacts. Additionally, anticipated international milestones and contributions to strengthening multi-hazard warning systems were discussed. The outcomes of the event align closely with the objectives of the Ocean Decade and Vision 2030 white paper 6, emphasising the importance of collaboration, capacity building, and innovative strategies for enhancing ocean resilience.

## Speakers:

- Nadia Pinardi – Director UN Ocean Decade Collaborative Centre for Coastal Resilience (University of Bologna)
- Bart van den Hurk – Scientific Director at Deltares, Professor at VU University Amsterdam, Co-chair of Knowledge Hub on Sea Level Rise (JPI Oceans & JPI Climate)
- Loreley Picourt – Executive Director Ocean & Climate Platform
- Srinivasa Kumar Tummala – Director at Indian National Centre For Ocean Information Services (INCOIS)
- Joaquín Tintoré – Director of SOCIB Balearic Islands Coastal Observing and Forecasting System & IMEDEA (CSIC-UIB) and co-chair of CoastPredict
- Tom Parry – Fugro's Global Lead for Coastal Resilience and Climate Strategies
- Edem Mahu – Senior lecturer, University of Ghana - co-leader MANCOGA project - co-chair of the Ocean Decade Vision 2030 process for Challenge 9
- Aletta Yñiguez – Professor at the Marine Science Institute, University of the Philippines Diliman - Leader of UN Ocean Decade Project on Philippine Ocean Observing and Coastal Resource Management
- Edgar Cabrera – Member Task Force for the Tropical Americas and Caribbean Region UN Decade Ocean Sciences for Sustainable Development





## Introduction

The event aimed to gather insights and perspectives on coastal resilience, sea-level rise impacts, and international milestones for advancing resilience within the context of the Ocean Decade. Through polls and Q&A sessions, participants engaged actively, providing valuable feedback on strategies, interpretations, and challenges related to ocean resilience. The event sought to foster collaboration, innovation, and knowledge sharing to support the goals of the Ocean Decade and Vision 2030 white paper 6.

The event showcased a high level of engagement, with 110 out of 124 participants actively involved in polls and discussions. Poll results indicated a strong focus on strategies such as collaboration, funding, and codesign to support coastal resilience. Participants also shared diverse interpretations of coastal resilience, with adaptation being the most common understanding. Sea-level rise-induced impacts, including flooding, erosion, and storm impacts, were highlighted as significant challenges for countries and regions.

Anticipated international milestones, such as UN General Assembly meetings and Climate COPs, were discussed as key events to monitor for advancing resilience efforts globally. Contributions to strengthening multi-hazard warning systems, including risk assessments and public awareness campaigns, were identified as crucial for enhancing preparedness and resilience to natural disasters.

The event outcomes aligned closely with the objectives of the Ocean Decade and Vision 2030 white paper 6, emphasizing the need for partnerships, capacity building, and innovative strategies to address ocean hazards and enhance resilience. New ideas and initiatives were sparked, including potential new Decade Actions focused on community engagement, capacity building, and multi-hazard warning systems enhancement.

## Q1: 1. Which country do you come from?

Respondents: 33 (same as n. of responses)

Results: Participants from Germany constituted the largest portion at 15.2%, followed closely by China at 12.1%. Other notable contributions came from Spain, Italy, and Belgium, each representing 9.1% of the total participants.



## Key outcomes of the event

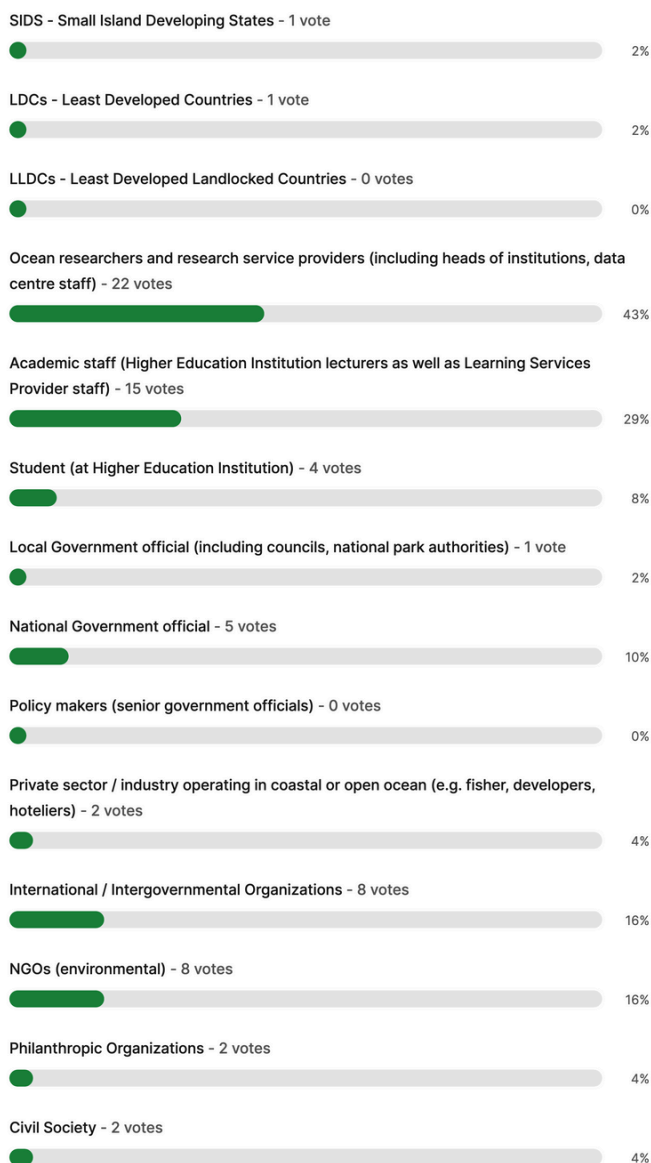
- Engaged participants: Out of 124 potential participants, 110 were engaged, indicating a high level of involvement.
- Poll engagement: 105 out of 124 Slido participants actively voted in polls, accounting for 85% participation.
- Total poll votes: A total of 350 votes were cast across 7 different polls.
- Average votes per poll: Each poll received an average of 50 votes, indicating significant engagement across various topics.

## STAKEHOLDER ENGAGEMENT

### Q2: Do you represent any of the following categories?

Respondents: 51 (same as n. of responses)

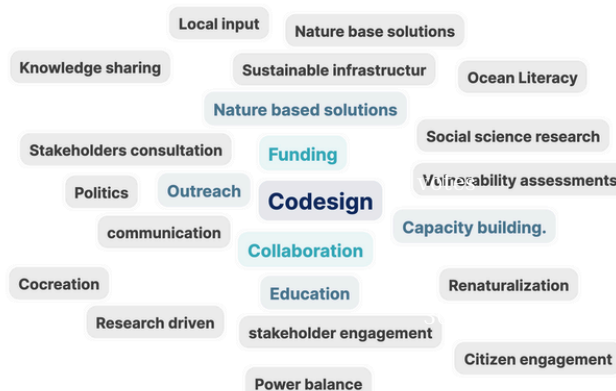
Results:



### Q3: What strategies or actions do you believe are most effective in supporting coastal resilience? (37 votes)

Respondents: 51 (same as n. of responses)

Results: collaboration, funding, and codesign emerged as the most favored strategies, each garnering 8% of the votes. Other notable actions included nature-based solutions, capacity building, and outreach, each receiving 5% of the votes.



### Q4: What does coastal resilience mean to you?

Respondents: 50 (same as n. of responses)

Results: Adaptation emerged as the most common understanding of coastal resilience, representing 26% of the responses, followed by survival and safety, each accounting for 6% of the responses.

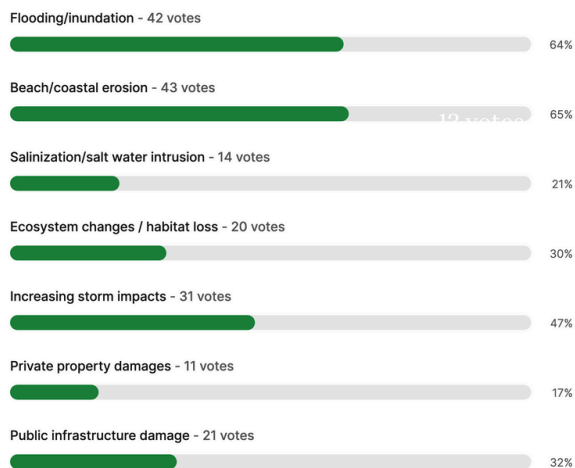




### Q4: Which Sea Level Rise-induced impacts are relevant for your country/region?

Respondents: 66 (same as n. of responses)

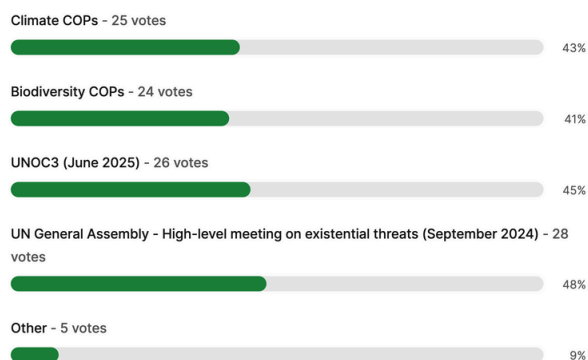
Results:



### Q5: What are the next international milestones to anticipate in advancing resilience?

Respondents: 58 (same as n. of responses)

Results:



### Q6: What contributions could country make to strengthen multi-hazard warning systems?

Respondents: 55 (same as n. of responses)

Results:



### Priority follow-up actions

- Based on the country representation poll, further engagement with participants from Germany, China, Spain, Italy, and Belgium may be beneficial to explore their perspectives in more depth.
- Given the diverse representation in the categories poll, follow-up actions could involve tailored approaches for engaging Ocean researchers, Academic staff, Students, National Government officials, and International/Intergovernmental Organizations and NGOs
- The identified strategies for supporting coastal resilience, such as collaboration, funding, and codesign, should be prioritized in future initiatives to address the challenges discussed during the event.



- Understanding the various interpretations of coastal resilience, with adaptation being the most common, can inform future discussions and actions aimed at enhancing resilience efforts.
- Addressing Sea Level Rise-induced impacts, particularly flooding/inundation and beach/coastal erosion, should be a priority for countries and regions, considering their significant relevance.
- Anticipated international milestones, including the UN General Assembly's High-level meeting on existential threats and UNOC3 in June 2025, should be closely monitored to ensure alignment and participation in global resilience efforts.
- Strengthening multi-hazard warning systems, focusing on actions such as developing risk assessments, establishing early warning centers, and promoting public awareness campaigns, should be prioritized to enhance preparedness and resilience to various hazards.

### How will the outcomes of the event contribute to the vision and mission of the ocean decade?

The outcomes of the event contribute significantly to the vision and mission of the Ocean Decade by fostering widespread engagement and participation among stakeholders. With 110 out of 124 potential participants actively involved and 85% of Slido participants engaging in polls, the event demonstrates a high level of commitment to ocean-related issues. A total of 350 votes cast across 7 polls highlight the collective effort to address key challenges and opportunities in ocean resilience.

Moving forward, priority follow-up actions should focus on further engaging participants from countries such as Germany, China, Spain, Italy, and Belgium to explore their perspectives in greater depth. Tailored approaches for engaging diverse categories of stakeholders, including Ocean researchers, Academic staff, Students, National Government officials, and International/Intergovernmental Organizations and NGOs, are essential for effective collaboration and action.

The identified strategies for supporting coastal resilience, including collaboration, funding, and codesign, should be prioritized in future initiatives to address the challenges discussed during the event. Understanding the various interpretations of coastal resilience, with adaptation being the most common, will inform future discussions and actions aimed at enhancing resilience efforts.

Addressing Sea Level Rise-induced impacts, particularly flooding/inundation and beach/coastal erosion, should be a priority for countries and regions, given their significant relevance. Anticipated international milestones, such as the UN General Assembly's High-level meeting on existential threats and UNOC3 in June 2025, should be closely monitored to ensure alignment and participation in global resilience efforts.

Furthermore, strengthening multi-hazard warning systems through actions such as developing risk assessments, establishing early warning centers, and promoting public awareness campaigns, is crucial for enhancing preparedness and resilience to various hazards. Overall, the outcomes of the event lay a solid foundation for advancing the goals of the Ocean Decade and promoting sustainable ocean stewardship worldwide.

### How did the event contribute to the advancement of any Decade Actions above or catalyse ideas for new Ocean Decade Action?

The event contributed to the advancement of several Decade Actions and catalyzed ideas for new Ocean Decade Actions. Specifically:

1. Ocean Decade Tsunami Programme: Discussions during the event likely contributed to progress actions envisioned in the Ocean Decade Tsunami Programme, particularly in the fields of rapid tsunami detection, measurement, and forecasting capabilities. Additionally, the emphasis on implementation of Tsunami Ready communities and related capacity development efforts aligns with the goals of the Decade.
2. Observing Together: The event addressed the need to transform ocean data access and availability, connecting ocean observers with communities through enhanced support for community-scale projects. This aligns with the objectives of Observing Together to make ocean observations more accessible and valuable to decision-makers.
3. Ocean Observing Co-design: The event emphasized the importance of co-designing ocean observing systems to track the current state of the ocean, enable predictions and warnings, manage ocean resources, and empower society to adapt to change.

Discussions likely contributed to building the process, infrastructure, and tools for co-design, essential for evolving a truly integrated ocean observing system as envisioned by the Decade.

Overall, the outcomes of the event demonstrate a commitment to advancing the goals of the Ocean Decade and promoting sustainable ocean stewardship worldwide by addressing key challenges and opportunities in ocean resilience.

Based on the outcomes of the event, several ideas for new Decade Actions have been catalyzed:

1. **Community Engagement for Data Accessibility:** The event highlighted the need to enhance support for community-scale projects to make ocean data more accessible to local communities. This could lead to a new Decade Action focused on empowering communities to collect, analyze, and utilize ocean data for decision-making at the local level.
2. **Capacity Building for Stakeholders:** Discussions during the event emphasized the importance of tailored approaches for engaging diverse categories of stakeholders, including Ocean researchers, Academic staff, Students, National Government officials, and International/Intergovernmental Organizations and NGOs. A new Decade Action could focus on capacity building initiatives specifically targeted at these stakeholder groups to enhance collaboration and action.
3. **Innovative Strategies for Coastal Resilience:** The strategies identified for supporting coastal resilience, such as collaboration, funding, and codesign, could inspire new Decade Actions aimed at promoting innovative approaches to address coastal challenges. This may include initiatives focused on implementing nature-based solutions, enhancing community-based resilience strategies, and leveraging technology for coastal monitoring and adaptation.
4. **Multi-Hazard Warning Systems Enhancement:** The event underscored the importance of strengthening multi-hazard warning systems to enhance preparedness and resilience to various hazards. A new Decade Action could focus on developing comprehensive risk assessment frameworks, establishing early warning centers in high-risk areas, and implementing public awareness campaigns to improve community resilience to natural disasters.

These ideas represent potential areas where the outcomes of the event have sparked discussions and collaboration, laying the groundwork for the development of new Decade Actions aimed at advancing ocean resilience and sustainability.

### **Did the event trigger discussions or lead to conclusions that provide input to the Vision 2030 white paper 6?**

The event discussed has contributed to the advancement of the Vision 2030 white paper 6 on increasing community resilience to ocean hazards. Specifically, the outcomes of the event align closely with the objectives outlined in the draft White Paper, which aims to enhance multi-hazard early warning services for ocean and coastal hazards.

The event discussions highlighted the importance of enhancing early warning systems and adaptation planning for ocean and coastal hazards, which directly correlates with the strategic ambition of the Vision 2030 white paper. Additionally, the emphasis on partnerships, capacity building, codesign and innovative strategies for coastal resilience resonates with the key elements outlined in the white paper.

The event triggered discussions and led to conclusions as the emphasis on technology and innovation (e.g., cloud data accessibility) community engagement for data accessibility (e.g., stakeholder engagement and leveraging from indigenous and local knowledge) and multi-hazard warning systems enhancement that align with the strategic recommendations and milestones outlined in the white paper.

Overall, the outcomes of the event have significantly contributed to advancing the goals of the Vision 2030 white paper 6, providing valuable insights and recommendations for enhancing community resilience to ocean hazards in alignment with the objectives of the UN Decade of Ocean Science for Sustainable Development and underling the need to define a new SDG on coastal resilience.

### **Conclusions**

The event was successful in promoting engagement, knowledge sharing, and collaboration among stakeholders to address key challenges in ocean resilience. The outcomes highlighted the importance of tailored approaches, innovative strategies, and international cooperation to advance the goals of the Ocean Decade and Vision 2030 white paper 6.