



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

Sustainability of Marine Ecosystems through global knowledge networks (SmartNet)

Decade Programme

Lead Institution

International Council for the Exploration of the Sea (ICES) & North Pacific Marine Science Organization (PICES)

Contact

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KEY PARTNERS

SmartNet will facilitate partner engagement by leveraging ICES and PICES partners and through creation of a global knowledge network

DECADE CHALLENGES ADDRESSED

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

OCEAN BASINS

North Atlantic	Indian
South Atlantic	Arctic
North Pacific	Southern
South Pacific	

Summary

SmartNet will establish a global knowledge network (GKN) for ocean science by strengthening and expanding the collaboration of ICES/PICES and partner organizations. It will support and leverage ICES/PICES member countries' activities related to UNDOs, by emphasizing areas of mutual research interest including climate change, fisheries and ecosystem-based management, social, ecological and environmental dynamics of marine systems, coastal communities and human dimensions, and communication and capacity development. It also incorporates strategies to facilitate UNDOs cross-cutting inclusivity themes relating to gender equality, early career engagement, and involvement of indigenous communities and developing nations in the planning and implementation of joint activities.

Duration: 01/01/2021 - 31/12/2030

Priority Activities (first 2 years)

- Establish ICES-PICES Expert Groups on key themes on marine social-ecological-environmental systems
- Facilitate stakeholder outreach and partner engagement in SmartNet activities
- Participate in Ocean Decade Laboratories and Communities of Practice
- Publication of SmartNet article for Eco Magazine
- Co-sponsor MSEAS Marine Socio-Ecological Systems Symposium teaser event, December 2021
- Co-sponsor 4th ICES-PICES Early Career Scientist Conference, May 2022, Canada
- Co-sponsor Small Pelagic Fish Symposium, Nov 2022, Portugal
- Co-sponsor ICES-PICES Joint Annual Meeting, Fall 2023, USA

"SmartNet will reach far beyond our established networks to advance and share scientific understanding of marine ecosystems and the services they provide to generate state-of-the-art advice and evidence for meeting conservation, management, and sustainability goals."

ICES-PICES Ocean Decade Steering Committee

