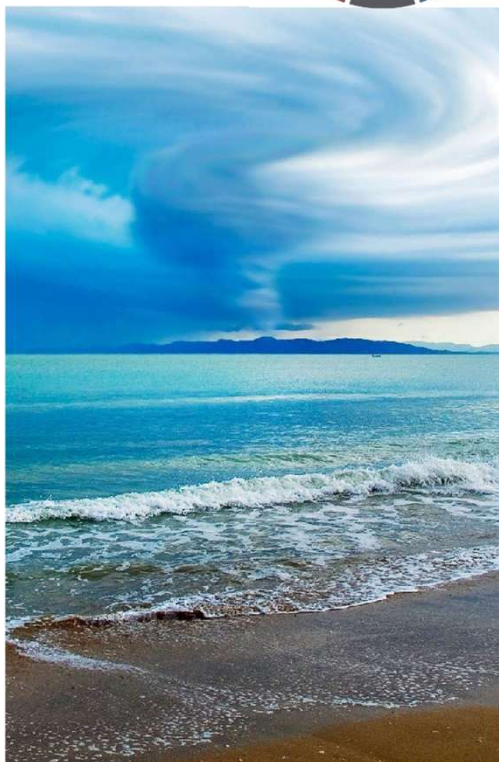




2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

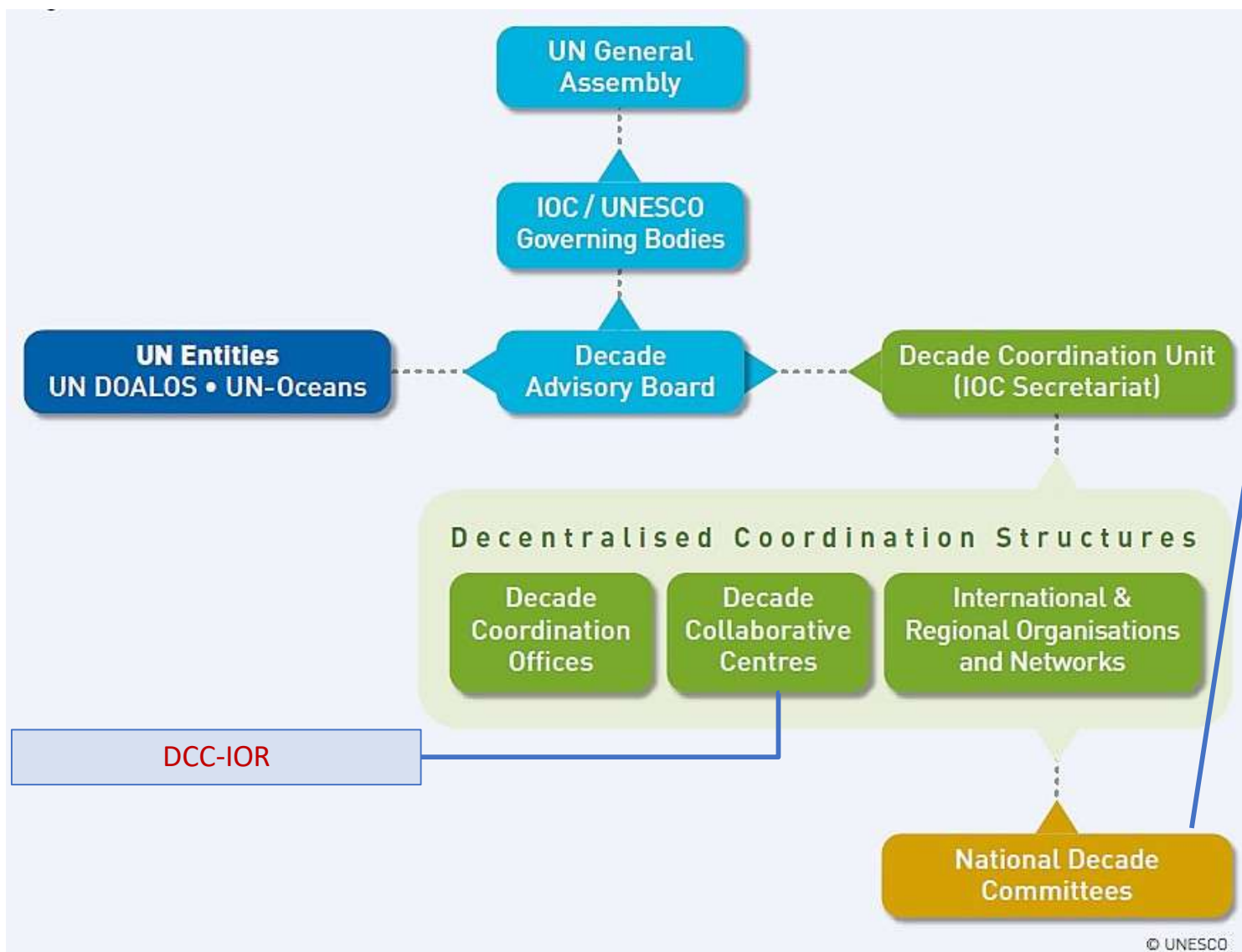


Decade Collaborative Centre
Indian Ocean Region



UN OCEAN DECADE COLLABORATIVE CENTRE FOR INDIAN OCEAN REGION (DCC-IOR)

Director, Indian National Centre for Ocean Information Services (INCOIS-MoES)



India National Decade Coordination Committee (NDCC)

- One of the earliest formed NDC (3 Feb, 2021)
- Diverse, Active
- Propagator for DCC bid through INCOIS
- Regular participation to NDC meetings
- Contributor to UN Ocean Decade NDC best practices manual
- Beach cleanups, popular lectures, student visits
- Being restructured to imbibe ocean decade spirit by inclusion of further diverse stakeholders

DCCs/DCOs



Thematic

- **Coastal Resilience:** Decade Collaborative Centre for Coastal Resilience
- ***Data Sharing:*** Decade Coordination Office for Ocean Data Sharing
- ***Ocean Observing:*** Decade Coordination Office for Ocean Observing
- **Ocean Prediction:** Decade Collaborative Centre for Ocean Prediction
- **Ocean-Climate Nexus:** Decade Collaborative Centre for Ocean-Climate Nexus and Coordination Amongst Decade Implementing Partners in P. R. China
- **Ocean Visions:** Ocean Visions – UN Decade Collaborative Centre for Ocean-Climate Solutions

Regional

- **Indian Ocean:** Decade Collaborative Centre for the Indian Ocean Region
- ***Western Pacific:*** Decade Coordination Office for the Western Pacific
- **Northeast Pacific Ocean:** Decade Collaborative Centre for the Northeast Pacific Ocean
- **Pacific Islands Region of the Pacific Ocean:** Decade Collaborative Centre for the Pacific Islands Region of the Pacific Ocean
- **Southern Ocean:** Decade Collaborative Centre for the Southern Ocean Region

DCC-IOR: Aims to...



- Assist with Scientific Coordination and Planning,
- Identification of Collaboration Opportunities and Communications
- Awareness raising and stakeholder engagement
- Enhance technical and scientific capacities to support Decade Actions
- Organising an annual regional training programme & a workshop to enhance technical & scientific capacities in the Indian Ocean Region
- Assisting the Decade Advisory Board in review processes of proposals for actions and progress of actions of the UN decade
- Provide advice to Decade Coordination Unit (DCU)

-



Governing Body : Diverse, Vibrant



Sr.	Member	Affiliation	Expertise	Role	Gender	Category
1	Dr. Ravichandran M.	Secretary, Ministry of Earth Sciences, Govt of India	Ocean Observations	Chair	M	Secretary, Min. of Earth Sc. (MoES), Govt of India
2	Dr. Balakrishnan TM.	Head, DCC-IOR & Director, INCOIS	Operational Oceanography	Co-chair Member	M	Director of the Host institution
3	Dr. Sophie Seeyave	PML & Chief Executive Officer, POGO	Capacity Development, NGO/IGO	Member	F	Representatives of the NGOs/ IGOs
4	Dr. Shubha Sathyendranath	PML & Chair, IOCCG	Ocean Remote Sensing, NGO/IGO	Member	F	
5	Dr. Enrique Alvarez	Head, OceanPredict-DCC	Ocean Forecasting	Member	M	Experts representing the broad themes of Operational programmes of DCC
6	Dr. Nadia Pinardi	Head, CoastalResilience-DCC	Coastal Hazards and Mitigation	Member	F	
7	Prof. Heather Koldewey	Lead, Bertarelli Foundation's Marine Science Programme	Capacity Development, NGO	Member	F	
8	IO-ECSN Chair (Dr. Fehmi Dilmahamod)	GEOMAR Helmholtz Centre for Ocean Research, Kiel	Physical Oceanography	Member	M	ECOPs
9	Dr. Danielle Su	DHI Water & Env., Singapore	Ocean Modelling	Member	F	

Sr.	Member	Affiliation	Expertise	Role	Gender	Category
10	Dr. Juliet Hermes	South African Env. Observation Network, WCRP, IORP, IOGOOS	Ocean Observations	Member	F	IOR Experts
11	Dr. Jenny Huggett	Oceans and Coasts Research, Dept. of Env. Affairs, Cape Town, SA, SIBER, IOGOOS	Biological Oceanography	Member	F	
12	Dr. Nick D'Adamo	Rep., Indian Ocean Observing System (IndOOS) Resource Forum (IRF)	Resource mobilization and management	Member	M	
13	Prof. Dwikorita Karnawati	Head, BMKG, Indonesia	Ocean and meteorological risk reduction	Member	F	
14	Dr. Mohammed Rezah Badal	Director General at Prime Minister's office, Continental Shelf, Maritime zones Adm & Exploration, Mauritius	Meteorology	Member	M	
15	Dr. Michelle Heupel	Director, Integrated Marine Observing System, Hobart, Tasmania, Australia	Ocean Observations	Member	F	
16	Ms. Emma Needham/rep.	Ocean Decade Network Manager, IOC-UNESCO	Ocean Decade Coordination	Observer	F	DCU Rep.
17	Rep. of India NDC			Member		
18		Consultant, DCC-IOR	Remote Sensing, Policy	Member	M	DCC-IOR staff
19		Project Scientist, DCC-IOR	Fisheries, RS, CD	Member	M	
20	Dr. TVS Udaya Bhaskar	Coordinator, DCC-IOR	Data, Capacity Dev.	Mem Secy.	M	

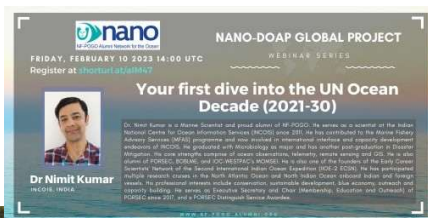
DCC for Indian Ocean Region (DCC-IOR)



INCOIS
Decade Collaborative Centre
Indian Ocean Region

Activities since endorsement

- Regular participation in Ocean Decade meetings incl. Community of Practice
- NANO Webinar: Your first dive into the UN OceanDecade (10 Feb)
- Third Phase of RCSTT-IORA WS 'Effects of Climate Change on the Indian Ocean Marine Environment' org. by RCOWA, Tehran, Islamic Republic of Iran (20-22 Feb), as a DCC-IOR collaborative activity.
- Endorsement of Decade Action CFDA 03/2022 – DECCaD-IO (Mar, 2023)
- NF-POGO Regional Training Programme on 'Sustainable Marine Resource Management' organized by SUST, Sylhet, Bangladesh (12-23 Mar), as a DCC-IOR collaborative activity.



Lead institution:
Early Career Scientists' Network at IIOE-2 JPO, INCOIS – India

This is a project application for endorsement under Ocean Decade (OD) programme no. 15 Early Career Ocean Professionals (ECOPs), of the capacity development initiative "Devising Early-Career Capacity Development in the Indian Ocean region" (DECCaD-IO).



DCC for Indian Ocean Region (DCC-IOR)



Activities since endorsement

- DCC-IOR team participated in initiation networking meeting with the Ocean Observing Co-Design Tropical Cyclone (TC) Exemplar Steering team. This networking began at Co-Design forum meeting. (24 Apr)
- DCC-IOR hosted 1st Indian Seas Regional Team virtual meet of OceanPrediction-DCC. Panel discussions of Ocean forecast experts & interaction with users paved way for better regional collaborations. (3 May)
- DCC-IOR team coordinating with Coastal Resilience DCC (DCC-CR. University of Bologna) on Vision 2030 WG 6 – ‘Increase community resilience to ocean hazards’, co-chaired by heads of both DCCs. (active since 24 May)

Connecting the world around ocean forecasting

building a community to develop, implement, and exploit advanced ocean forecasting systems worldwide

Save the date

Ocean Prediction REGIONAL TEAM MEETING Indian Seas 3 MAY 2023, 2PM (UTC+5:30) ONLINE

VISION 2030: OCEAN DECADE LAUNCHES NEW GLOBAL PROCESS TO SET A CLEAR AND COMMON AMBITION FOR THE OCEAN DECADE CHALLENGES

IOC/UNESCO June 20, 2023

WG 6 Increase community resilience to ocean hazards

Nadia Pinardi (Bologna University, Italy)

Srinivas Kumar (Indian National Centre for Ocean Information Services (INCOIS), India)

DCC-IOR: Scope at glance



- Identifying relevant decade actions, & bilateral meetings for mapping as primary/secondary attachment to DCC-IOR

Project ID	Project Name
30	Marine.Science
11.4	The Western Indian Ocean (WIO), Productivity under climate change
6	Study of Recent behavior of the Cyclones and Marine Heatwaves
44	Low cost real-time monitoring of pollutants & water quality along the coral reefs in Tanzania: Supporting effective ocean mgmt
45	Protecting the estuaries of WIO region
75	Enhancing ocean observing system within The Republic of Mauritius
91	Fenoy-X: A data domain system of ocean knowledge for the future prosperity of ocean resources in the Western Indian Ocean. (Fenoy: Malagasy name for filling the gaps) (X: is for the decade)
131	The West Asia Blue Waters
150	Sustainable Ocean Management Education Programme Strengthening the Blue Economy
201	Tsunami potential coastal area of indonesia mountain anak krakatau, banten, sunda strait, indonesia
122.2	Periodic cyclone effects on Gangetic food web
132.2	Fisherman Weather Field School (SLCN)
MW03	Participatory Modeling for Nature-based Solutions in the WIO-Region (PaMoNBS)
18.3	Bay of Bengal Large Marine Ecosystem Project II (BOBLME II)
24.3	Devising Early-Career Capacity Development-IndOcn (DECCaD-IO)

DECCaD-IO



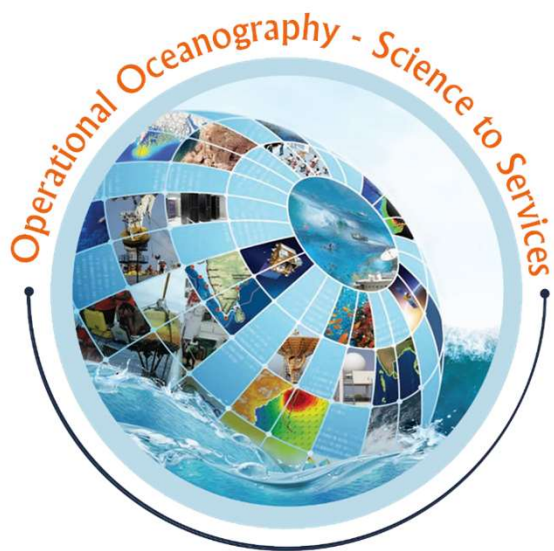
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Synergizing Key Events



OSICON-23



INCOIS

Indian National Centre for Ocean Information Services



2021-2030
United Nations Decade
of Ocean Science
for Sustainable Development



Decade Collaborative Centre
Indian Ocean Region

Indian Ocean Regional Decade Conference (IO-Con) 2024

Bridging Billions to Barcelona

An Official Prelude to the 2024 Ocean Decade Conference in Barcelona, Spain

01 - 03 February 2024



Decade Collaborative Centre for the Indian Ocean Region (DCC-IOR)
Indian National Centre for Ocean Information Services (INCOIS)
Ministry of Earth Sciences (MoES), Govt. of India
Hyderabad, Telangana, India.



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www.incois.gov.in

Synergizing Key Events



Indian Ocean Regional Decade Conference (IO-Con) 2024

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Fishery Oceanography for the Ocean Decade
F.O.O.D. - An ITEC Training Programme
18 January - 07 February 2024

at
International Training Centre for Operational Oceanography (ITCOcean - A UNESCO Cat2 Centre)
Indian National Centre for Ocean Information Services (INCOIS)
Ministry of Earth Sciences (MoES), Govt. of India
Hyderabad, Telangana, India.

REGISTER NOW

Logos: ITEC, MoES, INCOIS, 25th anniversary, United Nations Decade, Decade Collaborative Centre Indian Ocean Region

QR code for registration

Social media links: incois_official, INCOISofficial, ESSO_INCOIS, INCOISofficial Hyderabad, www.incois.gov.in

OCEAN OBSERVATIONS FOR COASTAL APPLICATIONS

POGO - ITCOOcean Training

29 Jan - 07 Feb 2024

REGISTER HERE

bit.ly/ITCOO-POGO_Feb-2024

CEMACS Centre for Marine & Coastal Studies USM

QR code for registration

Logos: MoES, INCOIS, 25th anniversary, United Nations Decade, Decade Collaborative Centre Indian Ocean Region, CEMACS, USM

unESCO
2021
United Nations Decade
of Ocean Science
for Sustainable Development

ABOUT US ▾ LATEST ▾ TAKE ACTION ▾ COMMUNITY ▾

DEVISING EARLY-CAREER CAPACITY DEVELOPMENT-INDOEN (DECCAD-IO)

Lead institution:

Early Career Scientists' Network at IIOE-2 JPO, INCOIS - India

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Key past and upcoming Events



Finished

IOCCG – ITCOcean Program : 2024 Summer Lecture Series Frontiers in Ocean Optics and Ocean Colour Science

4 – 16 November 2024

Organized by

International Ocean Colour Coordinating Group (IOCCG)

in collaboration with

**International Training Centre for Operational Oceanography (ITCOcean) ESSO–INCOIS, Hyderabad,
India**

This was successfully conducted with 30 participants from 15 countries for about two weeks

Future

**The ECOP Initiative: Connecting, Learning, and Leading in Ocean Science
Organised by the Early Career Ocean Professionals (ECOP) National Node – India
In collaboration with the Decade Collaborative Centre – Indian Ocean Region (DCC–IOR)
during 05–06 June, 2025**

Acknowledgements

INCOIS, UNDOSS Colleagues

Partner organizations, collaborators



INCOIS
Decade Collaborative Centre
Indian Ocean Region

Thank You

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