

2024 OCEAN DECADE CONFERENCE

IOCINDIO perspective

Baltic Ocean Room (122+123),
CCIB, Barcelona

As part of the Ocean Decade Week (8-12 April 2024)



Australia, Bangladesh, France, India, Indonesia, Iran, Iraq, Kuwait, Malaysia, Maldives, Myanmar, Oman, Pakistan, Qatar, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates, United Kingdom.



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development



Decade Collaborative Centre
Indian Ocean Region

Supporting a global collective vision for ocean science by matching regional priorities

IOCINDIO perspective

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Indian Ocean Context: Priorities, Capacity, Programmes/Activities

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Bridging billions 2 Barcelona

Enhancing Coastal Resilience

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IOC Resolution A-32/1

IOCINDIO from Regional Committee to an IOC Sub-Commission

Societal Drivers

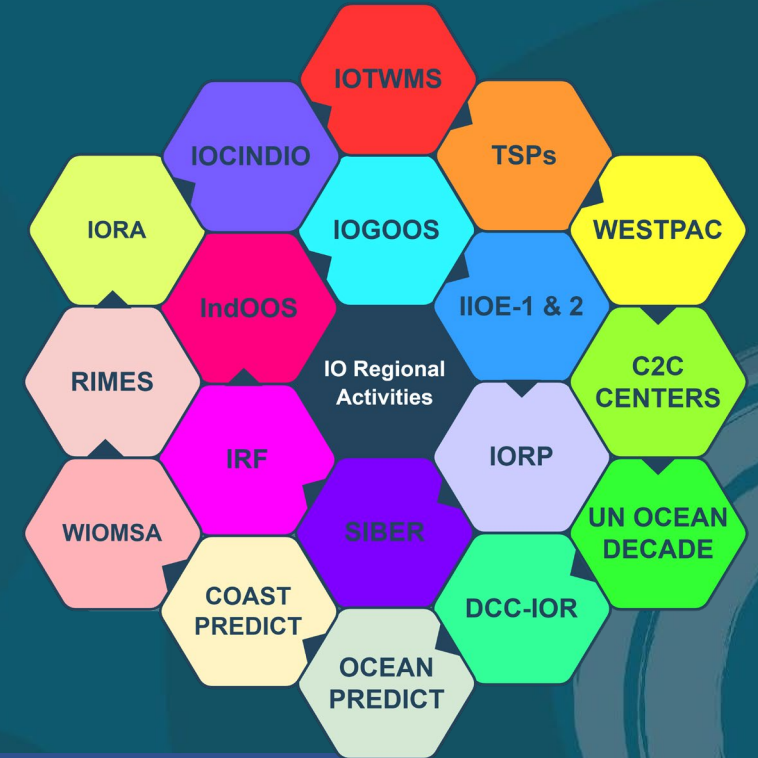
- > 50 Nations around (mostly developing)
- 2.5 Billion Population
- Rapid growth in blue economies and opportunities
- Agriculture Farming dependent on Monsoon
- Marine Fisheries dependent on ocean conditions
- Coastal populations vulnerable to extreme weather events and climate change

Science Drivers

- Oxygen Minimum Zones
- Upwelling and Subduction Zones
- Major Heat flux components
- Tropical modes of the MJO
- Monsoon Intra-seasonal Oscillation
- IO Dipole (IOD) & IO Basin Mode (IOBM)
- Subtropical modes of Ningaloo Nino and Subtropical IOD
- Cyclogenesis and Climate Change

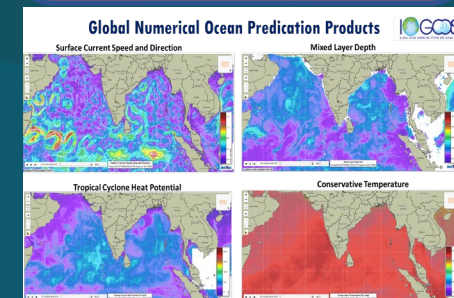
Operational Drivers

- Need for accurate and timely ocean forecasting services
- Operational Sub seasonal-to-Seasonal (S2S) Forecasting
- Improvement of Surface Fluxes
- Ocean data Assimilation Systems



IOCINDIO
IOCAFRICA
IOC WESTPAC
UNESCO
Chairs/C2Cs/OTGA – RTCs
/ STCs

UN Ocean Decade
DCC – IOR
DCC – OP, DCC – CR
Endorsed Projects



Key Recommendations of IOCINDIO to IOCON24

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Shift of paradigm in the Concept of Capacity Building and Development to BUILDING on Local, National and Regional Capacity = EMPOWERMENT OF CAPACITY.

- Recognition & Acknowledgment that there is capacity in every nation and region including education and research centres, though uneven at various levels of development, and available resources, formal and non-formal corpus of knowledge systems (bring traditional knowledge through involvement of NGOs, local communities, and industry partners in ocean literacy and other ocean related programs).
- Shift from donors-clients approach to a truly international intellectual solidarity.
- Grassroot, ownership and leadership of local institutions and actors to serve as catalysts for empowerment of capacity at local, national and regional levels.
- Recognition and contributions of diasporas in the global knowledge production with opportunities for twinning and joint ventures between adopted and country of origin.
 - Inclusive and innovative approach in the definition of matrix for the assessment of capacity.
 - Co-design approach enabling local, national and regional education and training institutions to serve as vehicles for capacity empowerment.
- Build on local, national, regional and global best practices: UNESCO Chairs and C2Cs, OTGA, other Regional Thematic Research and Education Centres.

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- ❑ Several activities in the Indian Ocean region enable to bring the scientific community together
- ❑ Need to sustain critical support (by IOC, SCOR, etc.) and in-kind & financial resources by member states and partners
- ❑ Time to build on the capabilities in physical oceanographic observations and move towards Biogeochemical and Coastal observations
- ❑ Need to reinvigorate ocean data management programs such as the former ODINCINDIO in the current context of IODE, Digital Twins and Capacity Development Hub
- ❑ Need to design regional projects (Ocean Forecasting, etc) that demonstrate the end-to-end operational ocean value chain to user communities
- ❑ Proven and effective Capacity Development platforms such as POGO, regional cruises, ITCOcean C2C, and ChloroGIN as well as Open Challenges, Hackathons to be promoted

Key Recommendations of IOR Session at IOCON24

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- ❑ Need to align existing and future initiatives with the UN Ocean Decade challenges Need for a scoping workshop to explore the linkages of existing programs with IOCINDIO sub-commission
- ❑ Continue involvement of ECOPs and integrate their thoughts into the present and future programs
- ❑ Bring traditional knowledge through involvement of NGOs, local communities, and industry partners in ocean literacy and other ocean related programs
- ❑ Knowledge creation through Programmes such as Future Earth & UN Ocean Decade Communities of Practice
- ❑ Take stock of current activities within MSs and their contribution towards SDGs.
- ❑ **Inter-Regional joint venture on Coastal Vulnerability & Resilience towards UNOC'2025.**

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Indian Ocean Region

Acknowledgements

INCOIS, DCC_IOR | ESSO_INCOIS
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Australia, Bangladesh, France, India, Indonesia, Iran, Iraq, Kuwait, Malaysia, Maldives, Myanmar, Oman, Pakistan, Qatar, Saudi Arabia, Sri Lanka, Thailand, United Arab Emirates, United Kingdom

