Regional Training Workshop on Observing the Coastal and Marginal Seas in the Western Indian Ocean

Held from 7 to 9 June 2022
Hybrid - Physical venues in Maputo
WIO workshop activities

Day 1
- Existing WIO observing systems
- Coastal instruments and platforms
- Data best practices

Day 2
- Marine robotics + Site demo
- Argo floats (Bio-Argo)
- Satellite observation
- Moorings

Day 3
- Data analysis, and management
- Ocean observation for societal needs
- Panel discussion
Organising committee

- Bernardino Malauene
  (InOM, Mozambique)
- Faiza Yousef Al-Yamani
  (Institute for Scientific Research, Kuwait)
- Juliet Hermes
  (SAEON, South African)
- Roxy Mathew Koll
  (IITM, India)
- Ivan Suege
  (InOM, Moçambique)
- Jing Li
  (CLIVAR Project Office, China)
Strengthening fishery & food security in Mozambique

Planning for Climate Change resilience with an MPA network

ReMoTURB sub-project
Objective

Through the role of MPAs in safeguarding healthy ecosystems and vital recruitment for sustainable fisheries resources resilient to CC

Other objective include:

- Determine the latitudinal gradient of ocean warming across the MPAs.
- Investigate key habitats and species change
- Identify climate change hotspot.
- Support a climate change resilient MPA network.
Project approach

This project is structured in 3 elements

Oceanography
CC latitudinal gradient upwelling mechanism
Marine heatwave

Coral
Monitor coral & coral habitat fish assemblages

Seagrass
Seagrass (plant) seagrass habitats associated invertebrates
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UTR network
Expand & integrate coastal observation into MPA network

Weather station
Ocean-atmosphere interaction, CC & extreme events

Moored array
Investigate upwelled deep, cold & nutrient-rich waters

Oceanography & Climate Hotspots

Change in ocean conditions inside & outside the lagoon
Project partners

Instituto Oceanográfico de Moçambique
Thank you

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