

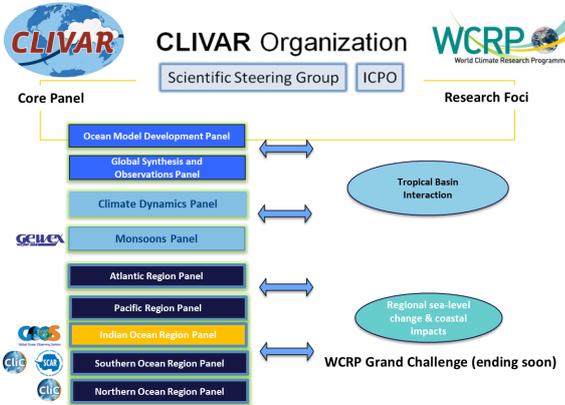
# Climate and Ocean: Variability, Predictability and Change (CLIVAR)

## Working in the Indian Ocean

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### 1. Introduction of CLIVAR and IORP

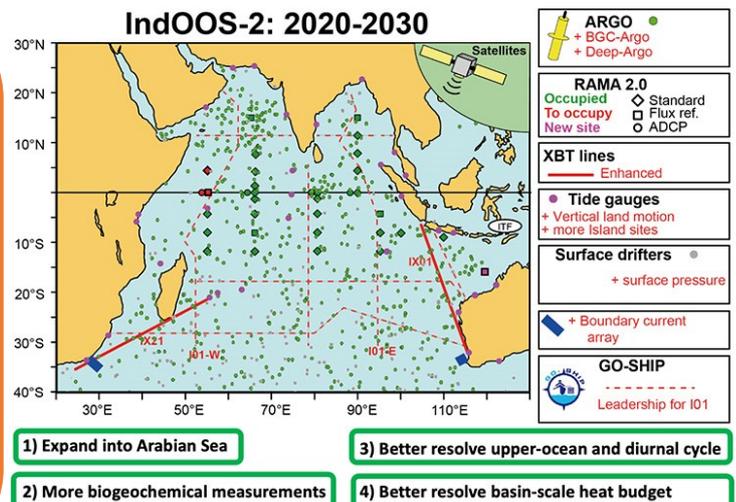


**CLIVAR: Climate and Ocean - Variability, Predictability and Change**, is one of the six core projects of the World Climate Research Programme (WCRP), which is co-sponsored by WMO, IOC-UNESCO and ISC. With the recent published Science Plan for both CLIVAR and WCRP, there is an urgent need to build a society resilient to environmental changes, and to provide regional ocean and climate information that is relevant to the society.

The **Indian Ocean Region Panel (IORP)**, co-sponsored by CLIVAR and IOC GOOS, serves to provide scientific and technical oversight for implementation of the sustained ocean observing system for the Indian Ocean and coordinates research on the role of the Indian Ocean in the climate system.

### 2. Working in the Indian Ocean

The **Indian Ocean Observing System (IndOOS)** is the sustained observing system for the Indian Ocean, a network operated and supported by various national agencies and coordinated internationally under the **GOOS** framework by **IORP**. A decadal review for the IndOOS was led by IORP in collaboration with SIBER in 2017-2019 participated by over 60 scientists. 136 actionable recommendations came out of the IndOOS review were prioritized into 3 tiers.



IndOOS-2 Roadmap: [https://doi.org/10.36071/clivar\\_rp.4.2019](https://doi.org/10.36071/clivar_rp.4.2019)

#### Other focal areas

Interaction with biogeochemical community (e.g. SIBER)

Tracking IndOOS-2 implementation together with other partner programmes, e.g., IRF, IOGOOS, IIOE-2, SIBER, etc.

Year of Maritime Continent (YMC) & Indonesia Throughflow

The interaction among Indian Ocean, ENSO and monsoons, and their relations to weather and climate extremes.

#### Capacity building activities



Regional training workshop on observing the coastal and marginal seas in the western Indian Ocean including the Arabian/Persian Gulf and the Sea of Oman

7-9 June 2022, Maputo, Mozambique & online



CLIVAR-GOOS Workshop From global to coastal:

Cultivating new solutions and partnerships for an enhanced Ocean Observing System in a decade of accelerating change

15-19 August 2022, Trieste, Italy & online



#### Indian Ocean Youth Ambassadors

