

# PRESENTATION ON IOGOOS ACTIVITIES TO IRF

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# Member Institutions

1. Bureau of Meteorology, Australia
2. CSIRO, Australia
3. Indian National Centre for Ocean Information Services (INCOIS), India
4. National Institute of Oceanography (NIO), India
5. National Institute of Ocean Technology (NIOT), India
6. Intergovernmental Oceanographic Commission (IOC), Perth, Australia
7. Iranian National Centre for Oceanography, Iran
8. Kenya Marine & Fisheries Research Institute, Kenya
9. Laboratoire ECOMAR, Universite de La Reunion, La Reunion
10. Mauritius Oceanography Institute (MOI), Mauritius
11. INAHINA, Mozambique
12. South African National Committee for IOGOOS, University of Zululand, South Africa
13. National Aquatic Resources Research & Development Agency (NARA), Sri Lanka
14. NOAA Office of Global Programs, USA
15. South African Institute for Aquatic Biodiversity, South Africa
16. University of Port Elizabeth, South Africa
17. Durban School of Life and Environment Sciences, University of Natal, South Africa
18. Curtin University, Australia
19. Institute Halieutique & des Sciences Marines (IHSM), Madagascar
20. Indian Space Research Organisation (ISRO), India
21. University of Dar es Salaam, Tanzania
22. Agency for Assessment and Application of Technology (BPPT), Indonesia
23. Indonesian Institute of Science (LIPI), Indonesia
24. Ministry of Marine Affairs and Fisheries, Indonesia
25. MERCATOR, France
26. Bay of Bengal Large Marine Ecosystem (BOBLME)
27. Institute of Marine Sciences, University of Chittagong, Bangladesh

# Aims and Objectives of IOGOOS

- ❖ Enhance the Ocean Observing System in the region,
- ❖ Promote and facilitate efficient and effective management, exchange and utilization of oceanographic data,
- ❖ Promote programmes and projects in operational oceanography and ocean services in the region meeting the requirements of end-users,
- ❖ Strengthen capacity building for enhancing the capabilities in the region,
- ❖ Encourage research to support the needs of Users,
- ❖ Develop synergies with other ocean programmes and regional GOOS bodies, and
- ❖ Contribute to international planning and promotion of GOOS

IOGOOS initial working groups on (i) Basin-scale & Regional-scale Contributions to the Observing System, (ii) Ocean Data & Information management, (iii) Remote Sensing Capacity Building, (iv) pilot projects addressing coastal themes – penaeid prawn resources, Key stone ecosystems, Shoreline management

# Current IOGOOS Initiatives

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- Indian Ocean Panel (IOP)
  - Indian Ocean Observing System (IndOOS)
  - IndOOS Resource Forum (IRF)
- Sustained Indian Ocean Biogeochemical and Ecological Research (SIBER)
- Indian Ocean Core Remote Sensing Project
  - ChloroGIN-IO Project (08 countries)
  - Keystone Ecosystems Project (09 countries)
  - Shoreline Changes Monitoring Project (07 countries)
- Modeling for Ocean Forecasting and Process Studies (MOFPS) (07 countries)
- Capacity Building Activities

# Progress

- Very good progress in terms of IOP and IndOOS implementation (RAMA Array, Argo floats, XBTs, Tide Gauges, Science Outputs from the data, etc.)
- Major SIBER initiatives (SIBER Science Plan, IPO, News Letters, SIBER India & O, Other Projects, Plans for BGC sensors on RAMA moorings, etc.)
- Provision of near real-time satellite data products for participating countries in the ChloroGIN-IO project
- Preparation of project proposals for the MOFPS in consultation with stakeholders
- Workshops for Capacity building in RS, Ecosystem Modeling, Drafting Project proposals, etc.
- Minimal Progress w. r. t. preparation of project proposals for Keystone Ecosystems and Shoreline changes

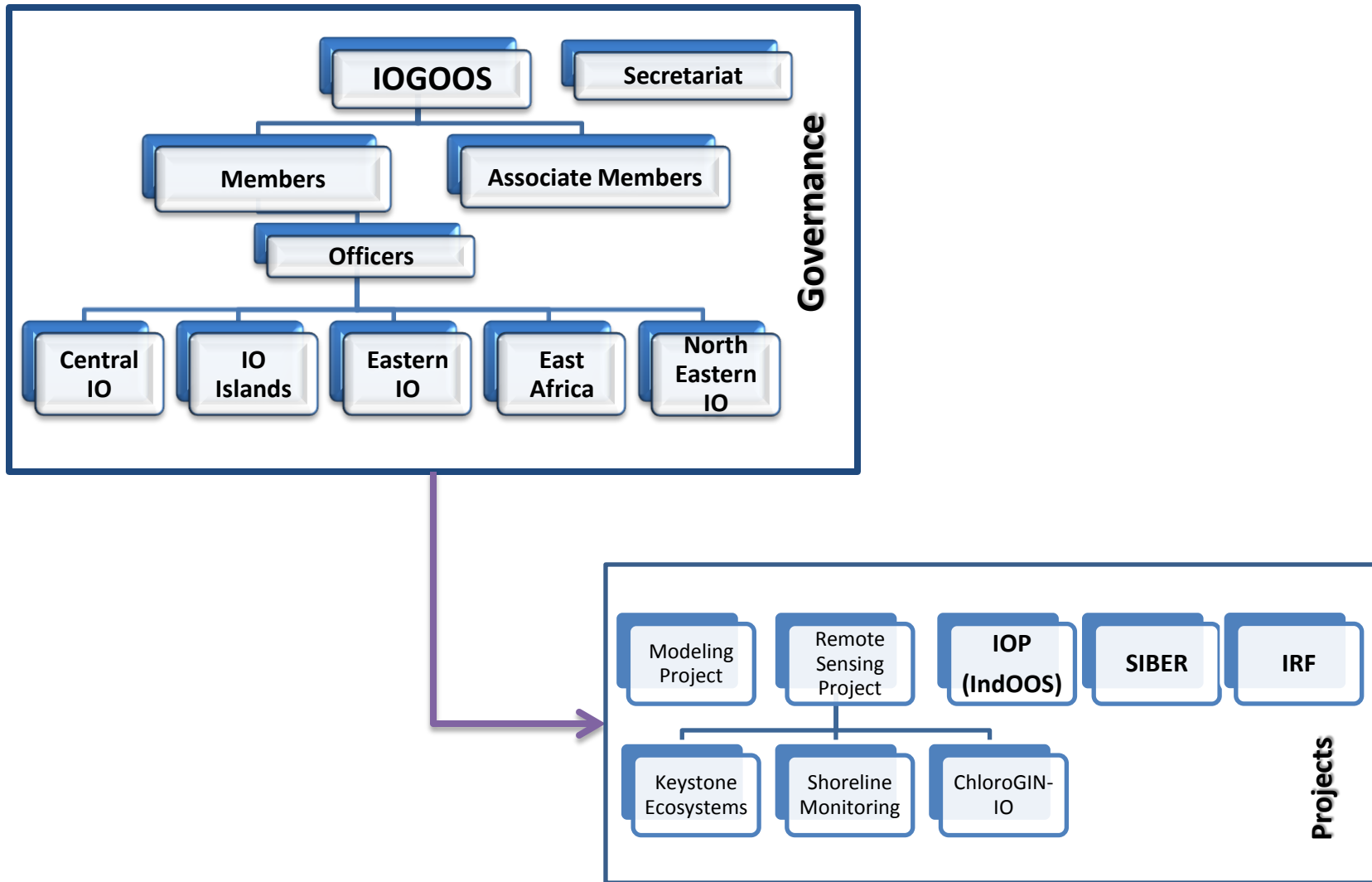


# Challenges

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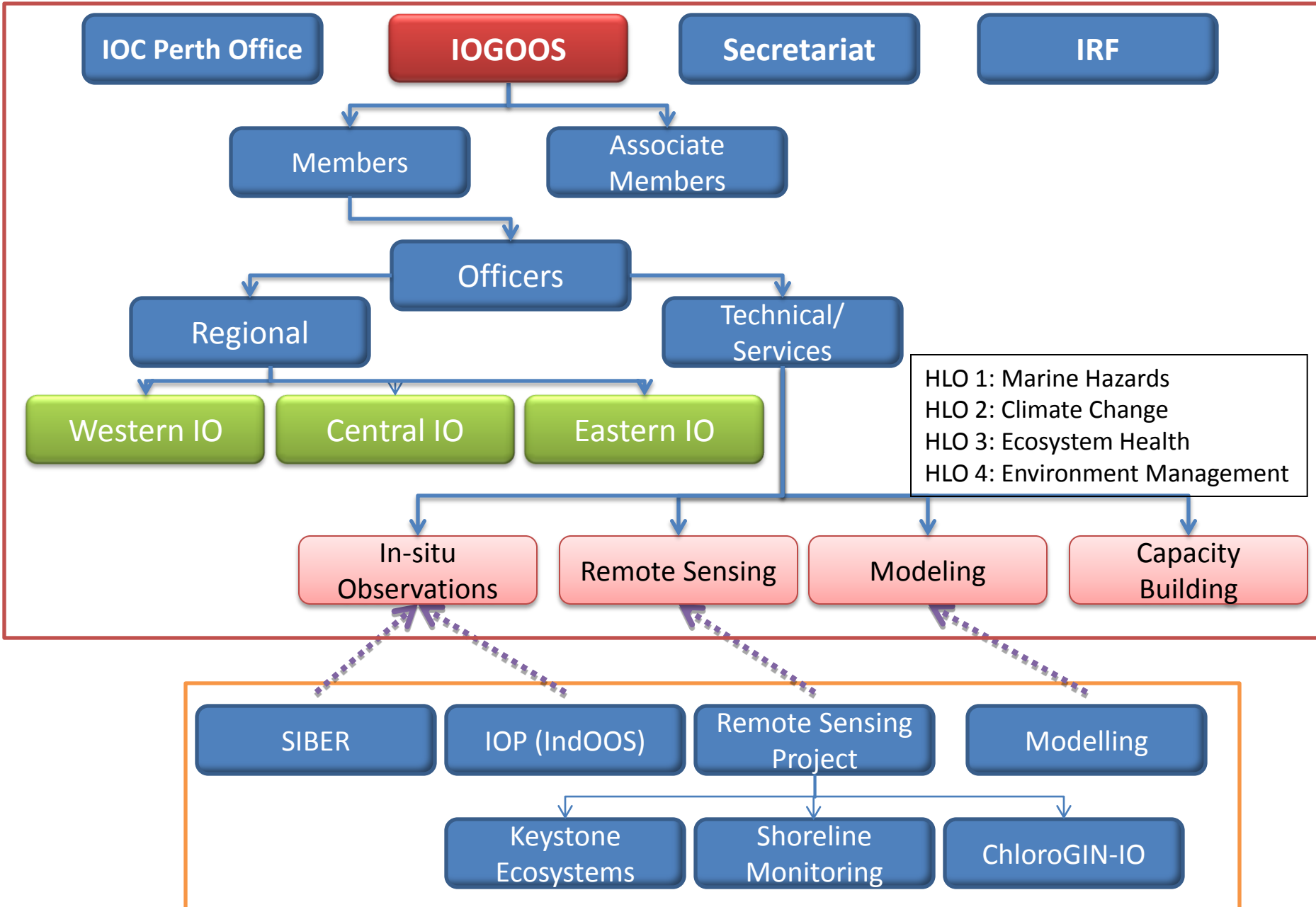
- IOP/SIBER-Resources, Piracy, etc.
- Coastal Pilot Projects -
  - Continued engagement of experts? (individual oriented rather than institutional)
  - Lack of Funding? (to support workshops)
- Governance structure? (lack of active engagement of key project stakeholders)

# IOGOOS Organizational Structure (Current)





# IOGOOS Organizational Structure (Proposed)



- Seeking the approval of IOGOOS for restructuring the governance mechanism
- Seeking the approval of IOGOOS for Action Plans for the next year (Support work plans of IOP, SIBER, MOFPF, ChloroGIN-IO, Review of Coastal Projects, Capacitybuilding, 50 years of IIOE, ASCLME - WIO Alliance, etc.)
- Prepare a capacity building work plan and budget estimate to meet the needs of capacity building and project workshops



THANK YOU

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