



# The Bay of Bengal Large Marine Ecosystem Project

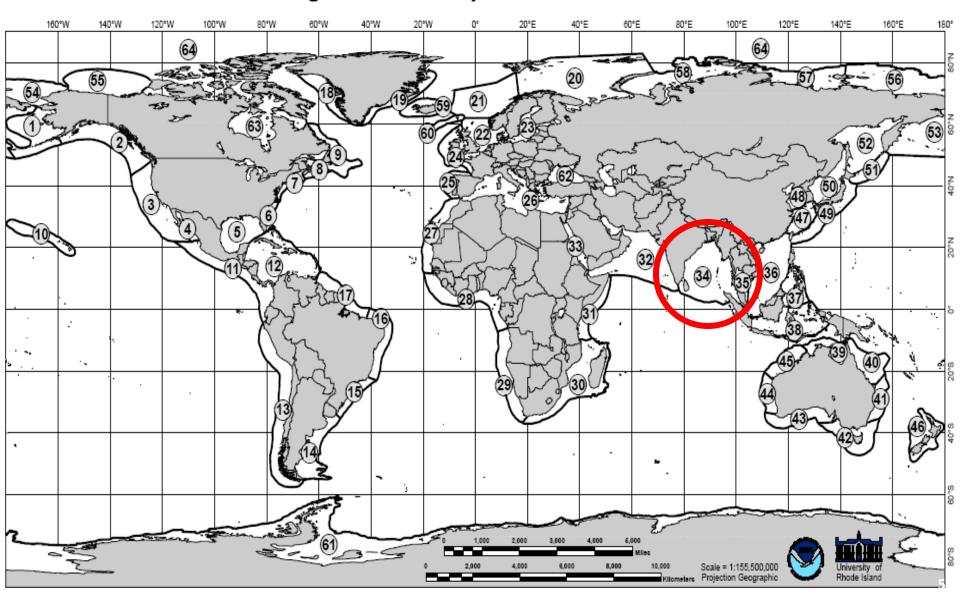


Chris O'Brien

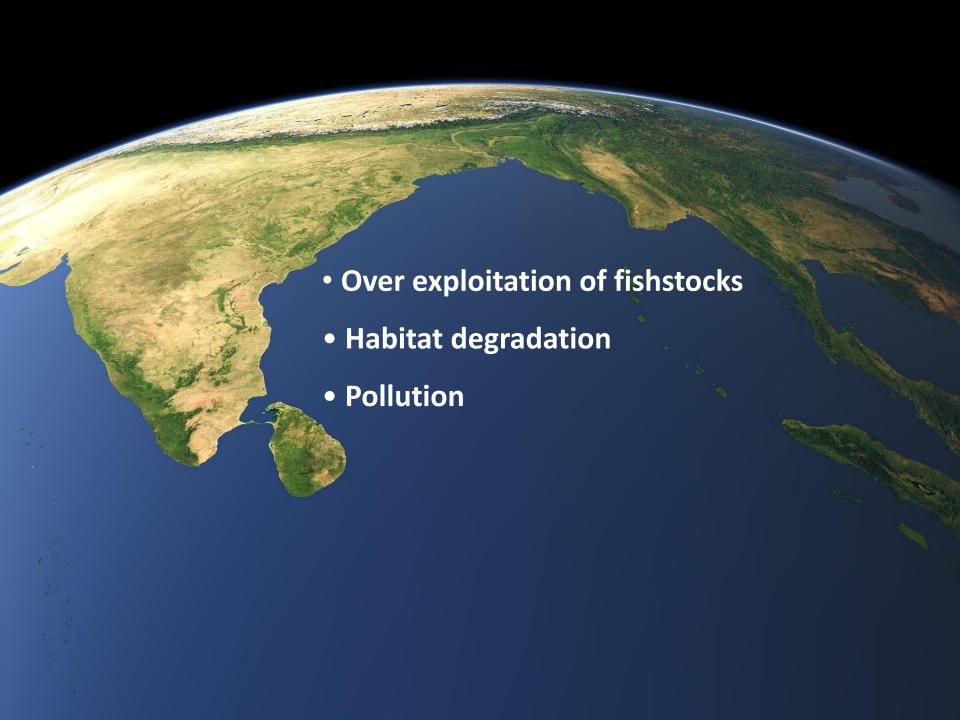
**Regional Coordinator** 



### Large Marine Ecosystems of the World























## **5 LME MODULES**

### **Modular Assessments for Sustainable Development**

**POLLUTION** 



**PRODUCTIVITY MODULE INDICATORS** 

Photosynthetic activity
Zooplankton biodiversity
Oceanographic variability
Zooplankton biomass
Ichthyoplankton biodiversity

& ECOSYSTEM HEALTH

PRODUCTIVITY

FISHERIES

FISH

SOCIOECONOMICS

GOVERNANCE



POLLUTION & ECOSYSTEM HEALTH MODULE INDICATORS

Eutrophication

**Biotoxins** 

**Pathology** 

**Emerging disease** 

**Health indices** 

Multiple marine ecological

disturbances



SOCIOECONOMIC MODULE
INDICATORS
Integrated assessments
Human forcing
Sustainability of long-term
socioeconomic benefits



FISH & FISHERIES MODULE
INDICATORS
Biodiversity
Finfish
Shellfish
Demersal species
Pelagic species



GOVERNANCE MODULE INDICATORS
Stakeholder participation
Adaptive management

# A BENG PL

### Ten areas of work

- Identifying the major transboundary issues and their causes, and developing a plan to address them
- Integrated Coastal Management
- Policy Harmonisation
- Fisheries Resources assessment and management
- Critical habitat management
- Ocean dynamics, productivity and climate change
- Marine Protected Areas
- Ecosystem Health Indicators
- Land-based sources of pollution
- Training: Science writing/presentation, ICM, EAFM



#### Expected outcomes of the BOBLME project

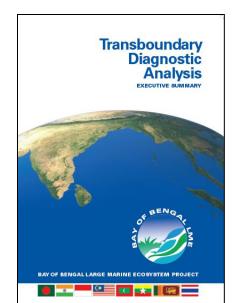
To improve the lives of the coastal populations through better regional management of the Bay of Bengal environment and its fisheries:

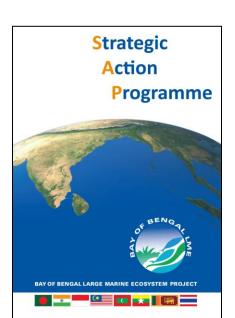
- Improved governance
- Capacity Development
- More regional cooperation
- An enhanced knowledge-base



## Two major outputs

- 1. A Transboundary Diagnostic Analysis TDA
- A report on the major transboundary issues and their causes
- 2. A Strategic Action Programme SAP
  - A (strategic action) plan for addressing the major transboundary issues and their causes









www.boblme.org