SCOR Working Group Capacity Building
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Capacity Building in Ocean Governance and Marine Resource Management

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International Ocean Institute
c/o Center for Tropical Marine Ecology

The IOI

- Founded in 1972 by Prof. Elizabeth Mann Borgese, as an
  - independent
  - non-governmental
  - international
  - non-profit

- organization with its Headquarters in Malta under an agreement with the Government of Malta.

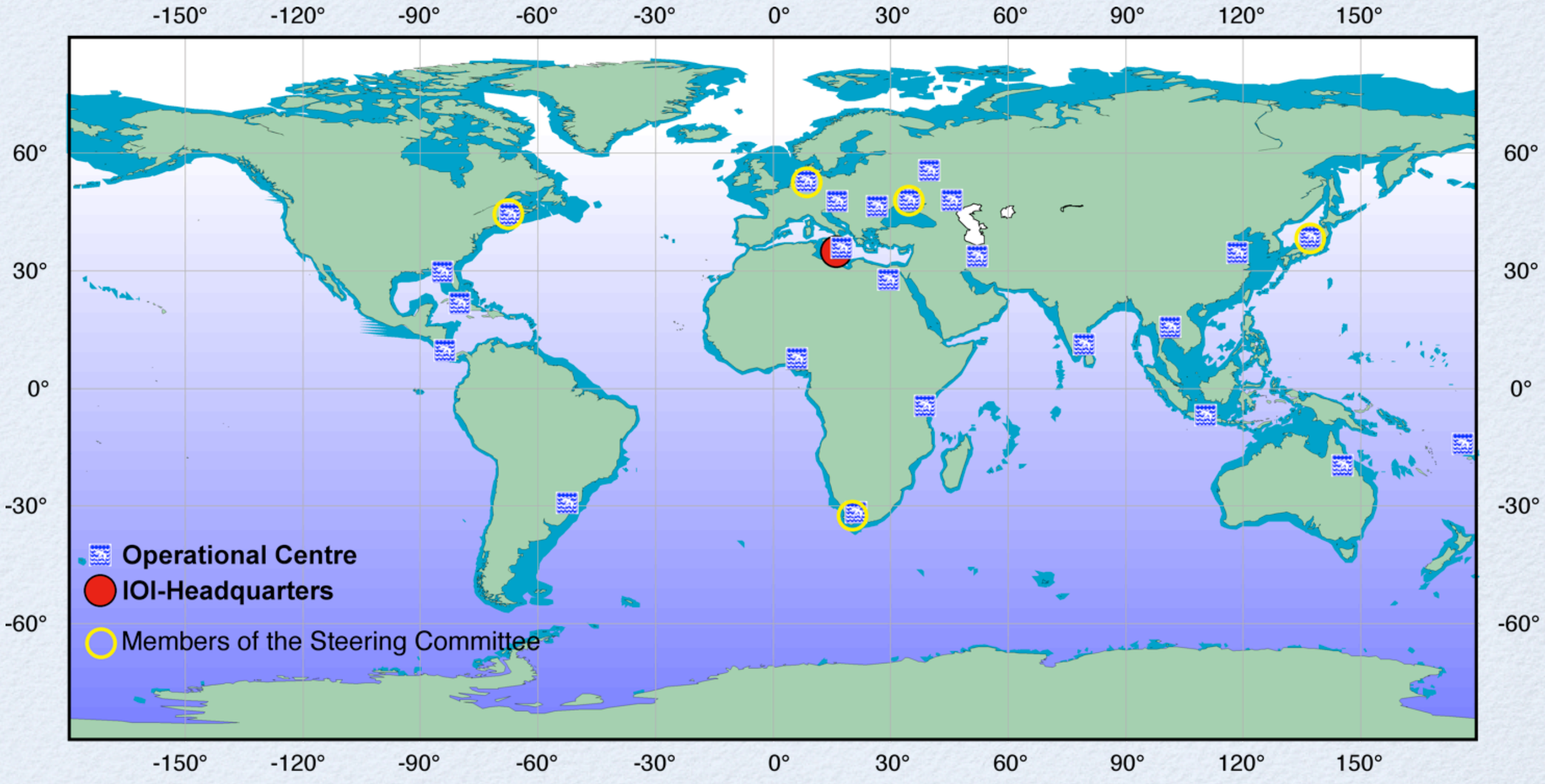
Mission

- To ensure the sustainability of the Ocean as “the source of life”, and to uphold and expand the principle of the common heritage as enshrined in the United Nations Convention on the Law of the Sea.

- To promote the concept of Pacem in Maribus peace in the Ocean and its management and conservation for the benefit of future generations.

Network

The network consists of 23 Operational Centres grouped into 5 geographical regions



Goals

- Ocean Policy Research & Development
- Awareness & Communication
- Training & Capacity Building
  - Pursued under the brand „OceanLearn“

International Ocean Institute - Canada

Training Programme on

OCEAN GOVERNANCE: POLICY, LAW AND MANAGEMENT

IOI-Canada, Dalhousie University

Halifax, Nova Scotia

Course Overview

- Intensive, interdisciplinary, eight-week course conducted annually at Dalhousie University
- Primarily for developing country professionals working in ocean and coastal-related fields
- The 30th anniversary of the course is in 2010.
- Typical class size of nine men and nine women from 15-18 countries
- Held in Halifax, home to one of the world's highest concentrations of marine specialists
- Over 600 alumni from more than 100 countries

Course Description

- ***Format***: Lectures, exercises and simulations, individual and group presentations, international roundtable, field trips
- ***Topics***: Key issues in Ocean Science, Law of the Sea, Integrated Coastal and Ocean Management, Fisheries and Aquaculture, Marine Transportation, Maritime Security, Energy and Informatics
- ***Skills-development Sessions***: Negotiation, Project Cycle Management, Disaster Planning, Media, Communications
- ***Lecturers***: Up to 80 local and international experts and practitioners

IOI Malta Course Profile

- 5 weeks intensive course; running annually since 2005
- Accredited by the University of Malta
- Targeting Mediterranean, Black, Caspian and Baltic Seas

- Focusing on Eastern Europe and EU neighbourhood countries
- Strong faculty: 10 foreign + 16 local
- Supported by a number of sponsor organisations including the EC

Course Focus

Holistic approach to ocean governance and the need to align practices to the evolving global environment in the light of advances in science and technology

Builds on the **legal framework** and the **linkages between the natural, social and economic sciences** to the development of sustainable ocean governance in the regional seas adjacent to Europe.

The **support of technology** to enable the realistic achievement of ocean management and sustainable development

Internationalizes the **EU Integrated Maritime Policy**

Course Outcomes

Trained 100 participants

Target: mid-career professionals

Mix of:

- ✓ Lawyers
- ✓ Scientists
- ✓ Engineers
- ✓ Managers

… Participants gain a solid background on integrated regional ocean governance and marine affairs in general

… Disciples in their own countries and regions to spread the ideas of good ocean governance as ambassadors of the oceans

Short courses

- 1. Reefs at Risk (Pacific) with funding from the World Resources Institute (WRI), held in Fiji with 33 participants from Pacific Island countries
- 2. Coral Reef Monitoring (CoReMo) funded by the Global Coral Reef Monitoring Network (GCRMN) and the Coral Reef Initiative for the Pacific (CRISP).
- 3. Leaders Seminars on awareness-raising among Pacific Island governments on the need to develop appropriate legislation for the protection of their coral reefs, funding from NOAA and CRISP.
- 4. Traditional Ecological Knowledge & Marine Protected Area Management.

ISATEC (International Studies in Aquatic Tropical Ecology)

- A 2-years international master course in Tropical Aquatic Ecology at the University of Bremen for foreign and German students

- Since 1999

- Long-term commitment for 10 scholarships from DAAD

- Accredited

ISATEC is a 2-years master course for foreign and German students!

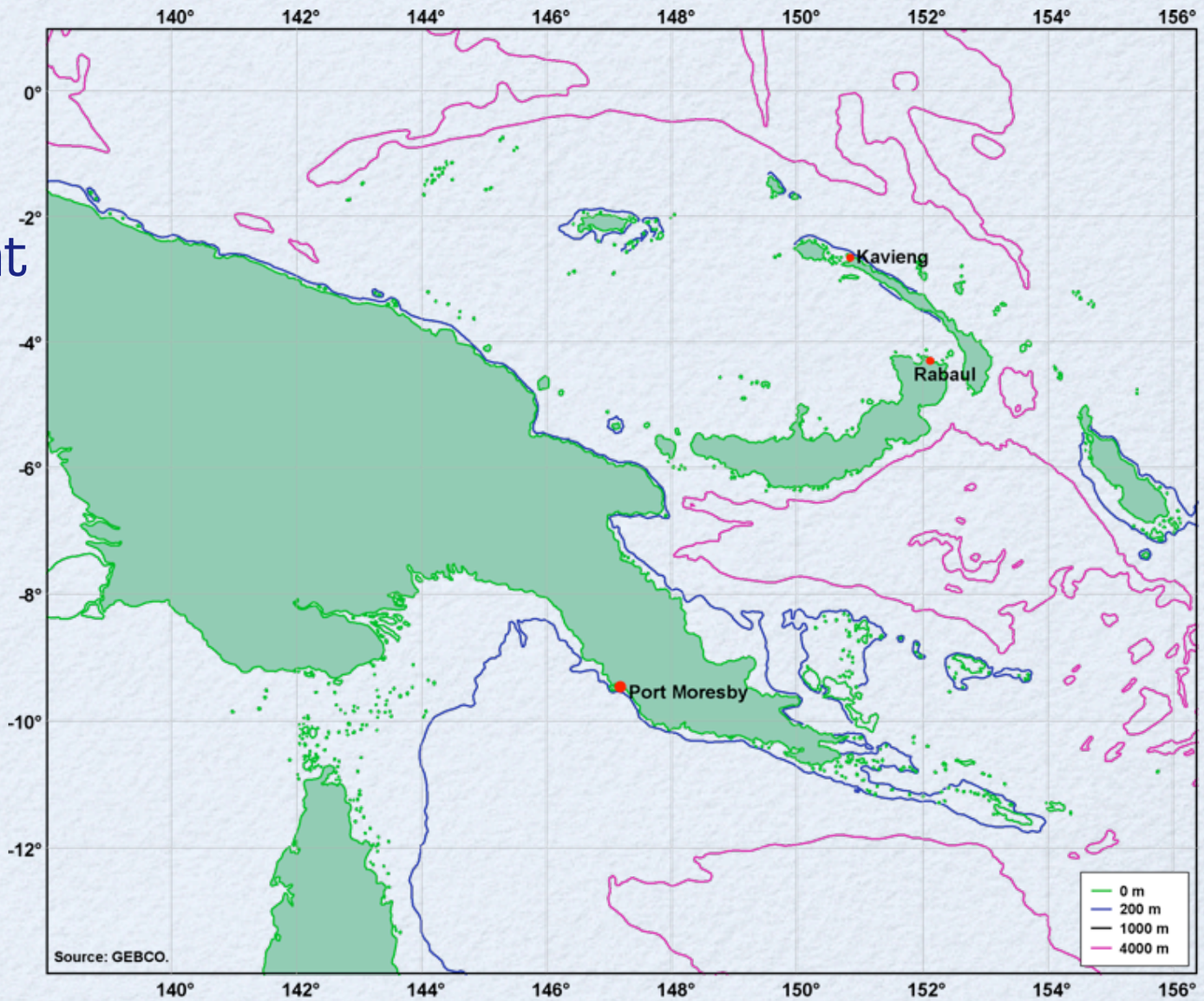
Semester 1	Module 1	Module 2	Module 3
	Concepts of aquatic ecology	Social sciences & ecological economics	Planing & design of ecological studies
	Aquatic fauna & flora (I)	Tropical aquaculture	Data exploration & statistical analysis
	Aquatic fauna & flora (II)	Fisheries biology	Modelling in conservation biology
	Living communities in tropical systems	Tropical fisheries & catching methods	Scientific writing
	Ecophysiology of aquatic organisms		Presentation of ESSAY
Semester 2	Module 4	Module 5	Module 6
	Fundamentals in Physical Oceanographpy& Hdydrography	Data Base Management	Trophic & Dynamic modelling (I)
	Water Chemistry & Pollution (I)	GIS as Applied to Coastal Management	Trophic & Dynamic modelling (II)
	Water Chemistry & Pollution (II)	Population Dynamic & Stock Assessment (I)	Computer Based Methods in Community Ecology (I)
	Ethnological & cultural considerations. Traditional user& participatory techniques	Population Dynamic & Stock Assessment (II)	Computer Based Methods in Community Ecology (II)
			Oral presentations
Semester 3	Field work at partner university		
Semester 4	Analysis of data; Thesis writing		

The course starts 1st October each year.

Lectures
Practicals

Cooperation with Papua New Guinea

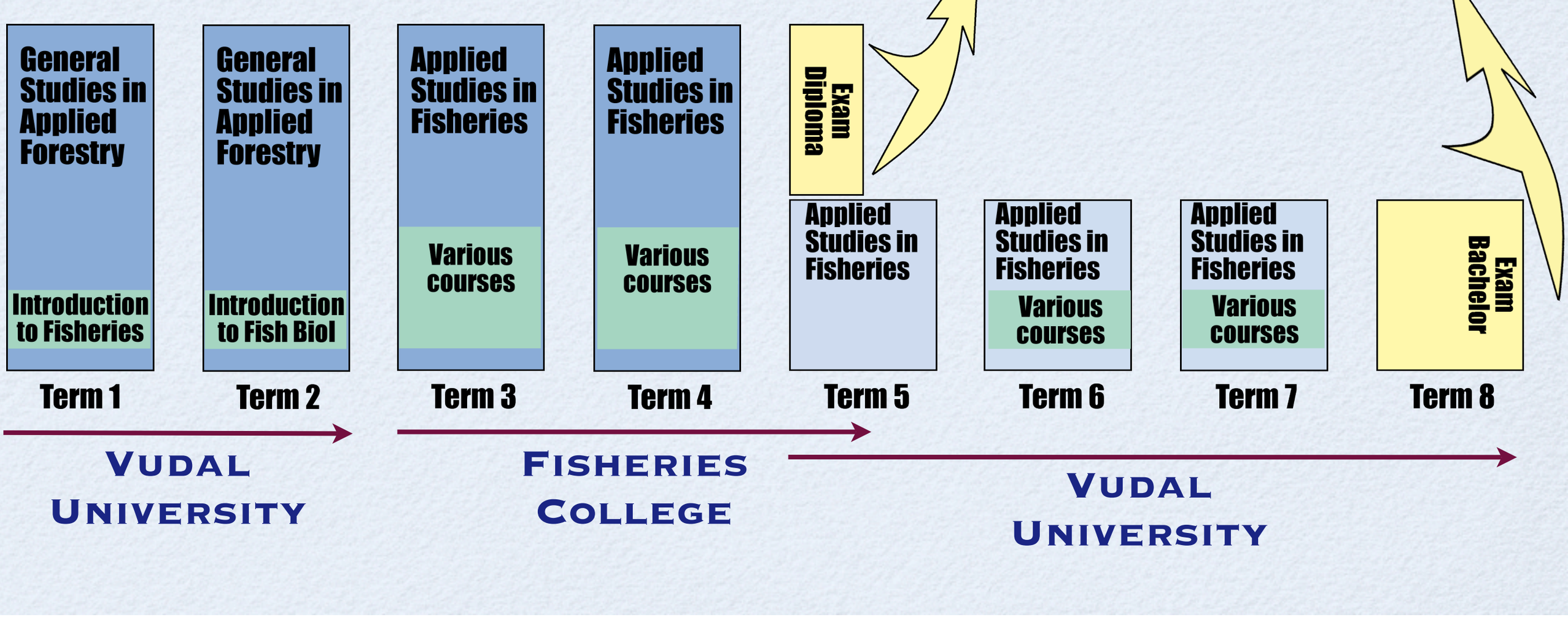
- Project to establish a Diploma-/ Degree-course in Fisheries
- Based on a fisheries development project by GTZ
- Measure to ensure sustainability in fisheries management
- Aim: Develop capacity for PNG fisheries catch and processing industry, administration and management



Course structure

- Fishing industries
- Catch fisheries
- Processing
- Administration

Back to University and College Master Programme (e.g. ISATEC)



Roles of Partners

- Vudal University (New Britain)
  - Academic background
  - Degree giving institution
- National Fisheries College (Kavieng)
  - Applied fisheries courses
  - Practical courses
- ZMT (Bremen)
  - Preparation of course material
  - Kick-off lectures in 7 courses
- GTZ
  - Funding

Conclusion

- Long-term commitment is needed!
- Need for short-term courses in specific areas
  - Governance, conflict management, etc.
  - Specific research fields
- Strengthen education in developing countries
  - Support local universities/high schools as multipliers by sending experts for courses etc.
  - Support development of curricula
- Exchange students between developed and developing countries