

WESTERN INDIAN OCEAN REGIONAL INITIATIVE IN MARINE SCIENCE AND EDUCATION (WIO-RISE) NETWORK

ACCOMPLISHMENTS AND CHALLENGES

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1. WIO-RISE NETWORK PARTNERS



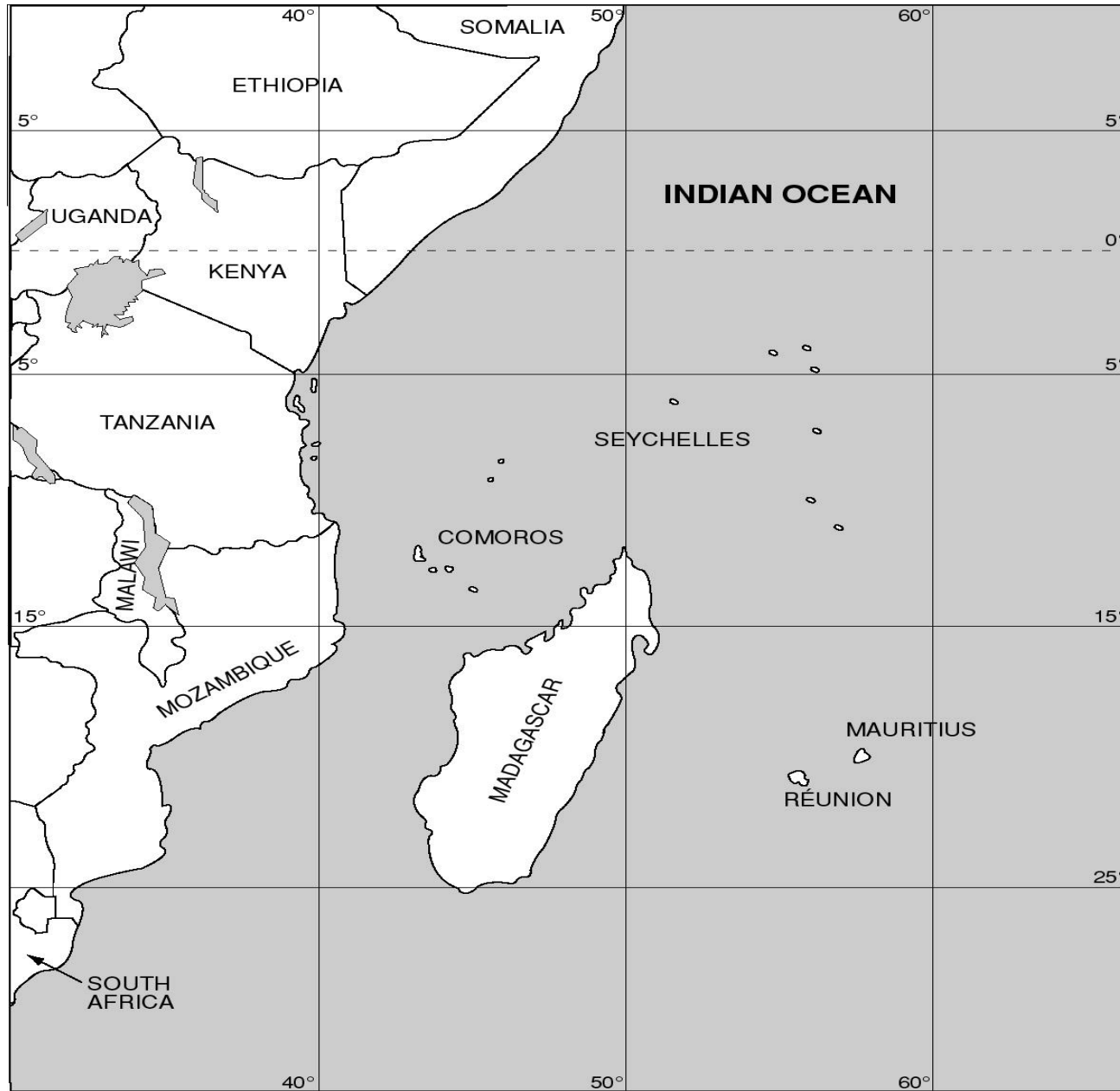
UNIVERSITY OF DAR ES SALAAM,
Institute of Marine Sciences, ZANZIBAR, TANZANIA



EDUARDO MONDLANE UNIVERSITY
**School of Marine and Coastal Studies, Quelimne,
MOZAMBIQUE**



UNIVERSITY OF CAPE TOWN
Oceanography Dept., SOUTH AFRICA



2. WIO-RISE OBJECTIVES

2.1 Main Objective:



To **build** scientific and technological **capacity** and to **catalyze excellence** in research and training in marine science in the WIO- region for sustainable development, utilization of coastal and marine resources; and protection of the coastal and marine environment

2. WIO-RISE OBJECTIVES

2.2 Specific Objectives:

- To provide graduate training in the WIO –Region
- To provide specialized field and laboratory facilities;
- To provide opportunities to visiting faculty from outside the WIO-Region region;
- To provide research funding and opportunities for WIO-Regional faculty and students
- To enhance communication between the network partners
- To enhance regional collaboration in marine sciences and technology: education, research and development

3. ACHIEVEMENTS

3.1 POSTGRADUATE TRAINING

- Scholarship announcements and dissemination of information on WIO-RISE:
 - Scholarships were announced in the Institute's and WIOMSA's websites
 - Visits were made in Kenya (UoN) and Mauritius taking advantage of other meetings
 - Emails were circulated to contacts in Madagascar, Seychelles and the Comoros
 - Received 30 applications from Tanzania, Kenya, Mauritius, Mozambique and South Africa
- Selection

3.1 POSTGRADUATE TRAINING cont'd

- Selection of students: 12 students were selected

Selection was done based on the following criteria; (1) academic merits of the applicant (2) geographic distribution in the region and (3) gender and (4) institution from which they come and (5) recommendation from their home university. and awarded WIO-RISE scholarship.

Serial no.	Names	Gender/ COUNTRY	Degree	Research topic	University admitted	Academic advisor
1	Francis M. Mwonjoria	Male KENYA	PhD	Composition, structure and dynamics of ichyoplankton communities and their simulation model in Kenyan coastal mangrove creeks	UDSM	Dr.Narriman S. Jiddawi
2	Grace M. Mutia	Female KENYA	PhD	Variations in nutritional value, biochemical composition, fatty acid profiles and heavy metal accumulation in selected seaweeds along Kenyan coast	UDSM	Prof A. N. N. Muzuka
3	Salum S. Hamed	Male TZ	PhD	Population structure, connectivity and reproductive biology of spinner dolphins of coastal waters	UDSM	Dr.Narriman S. Jiddawi & Prof Per Begren
4	Avelino A. Langa	Male MZ	MSc	Marine Biology and Resource Management	UDSM	Coursework
5	Fialho P. Nehama	Male MZ	PhD	Numerical Modelling of the river plume	UCT	ProfS. C. Reason D D. Bowers UCT
6	Siajali Pamba	Male TZ	PhD	The potential use of numerical modelling for impact assessment of sewage dispersion on coastal waters	UDSM	Prof. Alfonse Dubi
7	Bibi S. Sadally	Female MAUR	PhD	Mapping genetic diversity of microalgae in the legoons of the	UCT	UCT (TBD)
8	Jayshree S. Persand	Female MAUR	PhD	Spatio-temporal distribution nad genetic characterisation of some macroalgae of the	UCT	UCT (TBD)
9	Pramod K. Chumun	Male - MAUR	MSc	Marine Biology and Resource Management	UDSM	Coursework
10	Joseph J. Ravina	Male MAUR	MSc	Marine Biology and Resource Management	UDSM	Coursework
11	Kathryn A. Jolly	Female SA	MSc	Aspects of the biology and fishery of the blue shark (prionace glauca) in waters	UCT	Dr. Colin G. Attwood (UCT)
12	Lightness E. Mrema	Female TZ	MSc	Modelling of hydrodynamics	UDSM	Prof. Alfonse M. Dubi

3.2 PROCUREMENT OF FIELD AND LAB EQUIPMENT

- UDSM: (1) Workstation
 - (2) Secretariat facilities (desktop computer, printer/scanner, office furniture)
 - (3) Internet connection support
- UEM: (1) coastal water survey fiberglass boat, a desktop computer (HP BX 2300 80 GB), a laptop computer and a CTD standard set.

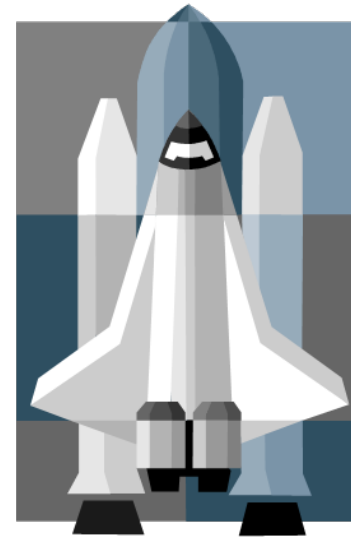
3.3 RESEARCH FUND

- Each of the network nodes has received US\$ 20K to support multidisciplinary research in WIO-RISE themes

4. CHALLENGES

- (1) Getting students from Island States is not easy. It was difficult to get candidates from Madagascar, during which time there was a political instability. There is a chance of getting a student from the COMOROS
- (2) Some students preferred to register in their home Universities and did not see the reason why they should register at UDSM, UEM or UCT only, e.g. UoN and UoMauritius
- (3) Some Universities a 'waiting' list of academic for training. One must have the prerequisite qualifications before being offered a job. The Universities therefore recommend potential candiadtes for scholarships, e.g. UoN and UoMaurtius

WIO-RISE IS SHOWING THE WAY TO MARINE SCIENCE EDUCATION!



THANK YOU