Western Indian Ocean Research Initiative in Marine Sciences and Education
Jan – October 2011
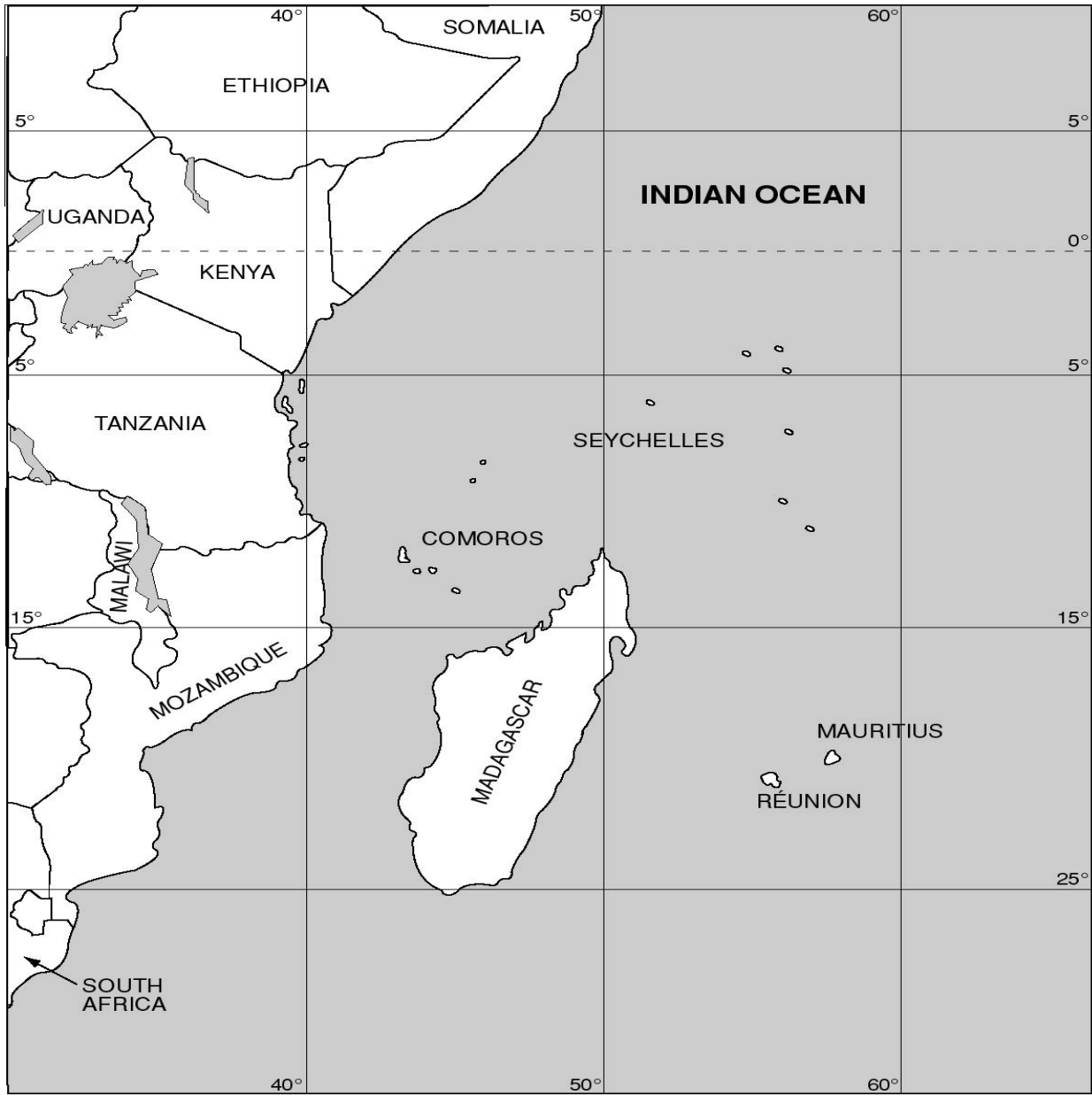
UDSM

UEM

UCT

RISE MEETING, KAMPALA
14-15 OCTOBER 2011

AIM

❖ WIORISE aims at building scientific and technological capacity and catalyzing 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.

Objectives

➢ Graduate training and attract the best graduate students in the WIO-Region

➢ Specialized field and laboratory facilities to support research in marine sciences, education and technology

➢ Opportunities to visiting faculty from outside and within the WIO region thereby enhancing technology transfer

Specific objectives

➢ Research funding and opportunities for WIO-Regional faculty and students

➢ Enhance communication between the network nodes by upgrading internet connectivity and promoting ICT in teaching and learning

➢ Enhance regional collaboration in marine sciences and technology: education, research and development

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Manpower Development in the WIO-Region

❑ Recruited 21 postgraduate students

❑ Currently 20 postgraduate students are in the programme and one student from Madagascar is expected to join UCT for MSc studies in January 2012

❑ In 2011, 5 MSc students - earned degrees
  ❖ UCT - 1
  ❖ UDSM – 4

❑ In 2012, 5 PhD and 3 MSc to graduate
  ❖ UCT – 2 PhD
  ❖ UDSM – 3 PhD and 1 MSc
  ❖ UEM – 1 MSc

Workshop/Training/Conference

- Fialho Nehama, a PhD student was a facilitator –training course on Operational Oceanography at Tutu-Nansen Centre in CT

- Siajali Pamba attended a training course at the University of Cape Town to learn MIKE 21 which is an advanced software created by the Danish Hydraulic Institute (DHL)

- Avelino Langa, Siajali Pamba, Majuto Manyilizu, Charine Collins and Fialho Nehama attended a training course at the University of Cape Town organized by the European Advanced Light Microscopy Network (EAMNET)

- Charine Collins – gave a presentation at SA Atmospheric Sciences conference, visited German university (Kiel) for interaction on modelling

Workshop/Training

❑ Avelino Langa attended a workshop in Mauritius - *"Towards an Observing System for the Greater Agulhas System: Building links and Capacity for East African Participation."*

❑ Siajali Pamba, Charine Collins, Francis Mwonjoria and Majuto Manyilizu are expected to attend the Seventh Western Indian Ocean Marine Science Association (WIOMSA) Conference in Mombasa, Kenya from 24-29 October 2011

Faculty exchange

❑To offer courses at the node in which such expertise is lacking.

❖2 Lecturers from **UDSM** was facilitated to offer courses at the School of Marine and Coastal Sciences

❖1 Professor from Stockholm University (Sweden) offered a course at **IMS**

Research Collaboration

- Stephano Mazilli, a Cambridge University PhD student is doing a field research for his thesis at SMCS, UEM – using research facilities established by WIORISE

- Staff from Mauritius Research Council are attending a training on seaweed farming at IMS – one of the staff is a Post RISE student

Interactions with other RISE Networks

❖Christopher Robert was hosted by Prof. Charles de Konig (University of Wits) of **SABINA** Network to acquire **NMR** and **MS** Spectroscopic data

❖Thanks to Mgani, Arlen Lori for providing the link

TWAS & UNEP

➢ **TWAS** has developed **IMS** profile booklet – increase **IMS** visibility – enhance collaboration

➢ **UNEP** - Secretariat of Nairobi Convention funded **IMS** to host and organize a Training course on leadership in environmental management for oceans and coasts in the **WIO** - Region

Challenges - Solved

❑ Language Barrier

❖ A student from Madagascar will start **MSc** study at **UCT** – January 2012

❑ Tuition fees for students from **SADC**

❖ **UDSM** has formally declared to honour the SADC Protocol on Higher Education and Training

Acknowledgement

➢ Carnegie-**RISE** for financial support

➢ **SIG** – for coordination

➢ **UDSM, UEM** and **UCT** for infrastructure

➢ **TWAS** – **SIG** for developing **IMS** Profile

Thank you