Western Indian Ocean Regional Initiative in Marine Sciences and Education

RISE Meeting in Dar es Salaam: 12th October 2012

RISE and Partners: Transforming Science and Education in Africa
The WIO-RISE Network

- Consists of 3 Nodes:
  - University of Dar es Salaam
  - University of Cape Town
  - Eduardo Mondlane University

- Expanded to include:
  - Kenya
  - Mauritius
  - Madagascar
Post-Graduate Training

Total WIO-RISE in-take:

- **21 students**
  - 10 Ph.D. & 11 M.Sc.
  - 8 Females & 13 Males

Nodes’ distribution

- UDSM: 13 students
- UCT: 7 students
- UEM: 1 student
Graduates and Retention of Talents

- **Total graduates so far: 7**
- ✔ Fialho Nehama – UEM
- ✔ Avelino Langa – UEM
- ✔ Joseph Ravina – MRC
- ✔ Pramod Chumun – on Ph.D.
- ✔ Lightness Mrema – NM-AIST
- ✔ Kathryn Jolly – SA
- ✔ Christopher Robert - UDSM
Dissemination of Information

Recent Publications

- J. Geophys. Res., 2012: 117, C03045,
- J. Climate, 2012: 25, 753-766
- Int. J. Climatol., 32, 727-746,
Interactions in the Network

- WIO-RISE Scientific Workshop Nov. 2011
  - Training on how to write grant-winning proposals
  - Students presentation on progress in research and thesis writing
  - Research proposals for those in early stages
  - Feedback from Faculty and from each other
Interaction cont....
Faculty Exchange Programme

- Three Staff from UDSM teaching courses at UEM
  - Marine Natural Products Chemistry (Dr. Chacha)
  - Marine pollution and Environmental Chemistry (Dr. Chacha)
  - Aquaculture Engineering (Dr. Mmochi)
  - Fish Stock Assessment (Dr. Benno)
Collaboration Within & Beyond RISE Networks

- Interaction between WIO-RISE Students and SABINA Faculty (Anti-viral Assay)
- Muhimbili University of Health and Allied Sciences (for Anti-TB Assay)
Workshop Attended by Students Outside the Network

- Two students attended a DelPHE Workshop in DSM from 9-15 May 2012
- One student attended a conference in South Africa in October 2012
Leveraging Grants: Students and Faculty

- Ministry of Science and Technology, Mozambique
  Student Grant – Sidonio (US$ 4,000)

- Ministry of Science and Technology, Mozambique for
  Faculty – Prof. Huguane (US$ 24,000)

- Ministry of Science and Technology, Mozambique to
  UEM SCMS (US$ 128,479)

- WIOMSA Top-up Research Grants for Students Ravina
  (US$ 3,000) & Chumun (US$ 3,000)

- WIOMSA’s contribution to the this RISE Conference
  (US$ 3,200)
Future Outlook

- Three Ph.D. and 1 M.Sc. Students are expecting to finish by the end of this year/early next year
- How to support (WIO-) RISE Graduates in their early careers
- Sustainability of the Network(s)
  - Solicit funds from the Governments (e.g., the case of UEM) – in Tanzania, approach COSTECH
  - Collaborative research Grants – from regional organizations such as WIOMSA
  - Other sources from International Donor Agencies
Acknowledgement

- Carnegie-RISE for financial support
- Western Indian Ocean Marine Science Association - WIOMSA
- SIG – for Coordination
- UDSM, UEM and UCT for in-kind support
Thank you for Your Attention