



# Western Indian Ocean Regional Initiative in Marine Sciences and Education



UEM



UDSM



UCT

RISE Meeting in Dar es Salaam: 12<sup>th</sup> 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

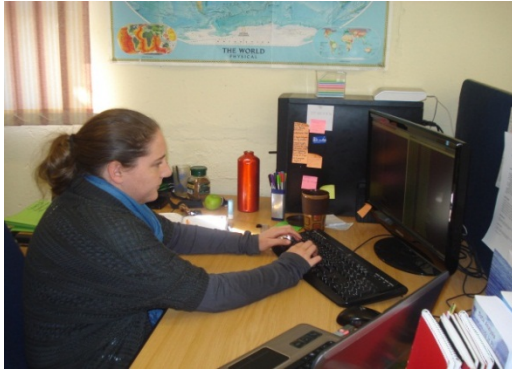
# Graduates and Retention of Talents



☐ **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,
- Int. J. of Biol. Chem. Sci., 2012: 6(2), 913-919:
- J. Climate, 2012: 25, 753-766
- Int. J. Climatol., 2012: 32, 261-273
- 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

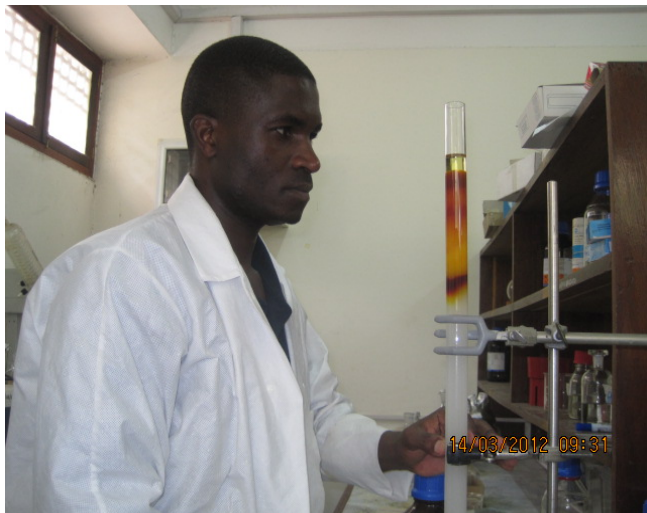
- Marine Natural Products Chemistry (Dr. Chacha)
- Marine pollution and Environmental Chemistry (Dr. Chacha)
- Aquaculture Engineering (Dr. Mmochi)
- Fish Stock Assessment (Dr. Benno)

# 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



- Four Students attended EAMNet/WIOMSA Workshop in Zanzibar 13-24 Aug. 2012
- Two students attended a DelPHE Workshop in DSM from 9-15 May 2012
- Three students attend 1<sup>st</sup> & 2<sup>nd</sup> NAPRECA Workshops in DSM in Dec. 2011 & Feb. 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. Hoguane (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

