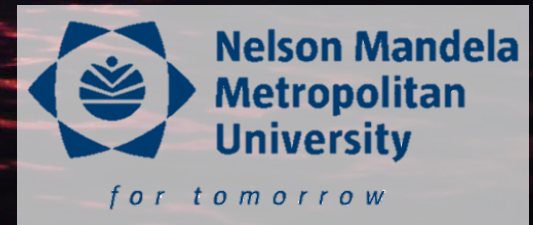


Institute for Coastal and Marine Research (CMR)

Engagement Activities : May 2017

Director: Prof Janine Adams





HISTORY

- 💧 40 years of coastal research - UPE in the early 70's
- 💧 Institute for Coastal Research established 1983
 - Funded by DEA, later SAB, environmental consulting
- 💧 Establishment of CMR - university-wide, reporting to the DVC: R&E



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Vision

Be a leading *marine sciences institute*,
conducting cutting-edge research,
building capacity and advancing our understanding of the
coastal & marine environment,
to serve the needs of South Africa, the continent and
beyond in a sustainable manner.



CMR

Institute for Coastal and Marine Research

Director & Deputy Director

Secretary

Admin Officer

Head RDU



Admin
Support

Research Diving Unit

Research Chairs

- M Roberts, *Food Security*
- M Lombard, *Marine Spatial Planning*
- R Perissinotto, *Shallow Water Ecosystems*
- P Vrancken, *Law of the Sea*
- Associated staff, post-grads

Participation

around three research themes

- Living Resources and Food Security
- Biodiversity and Conservation
- Global Change

Research Units and Groups

- MAPRU
- Cetaceans
- Others

Faculty-based Membership

- Academics
- Research staff
- Postgrads
- Others

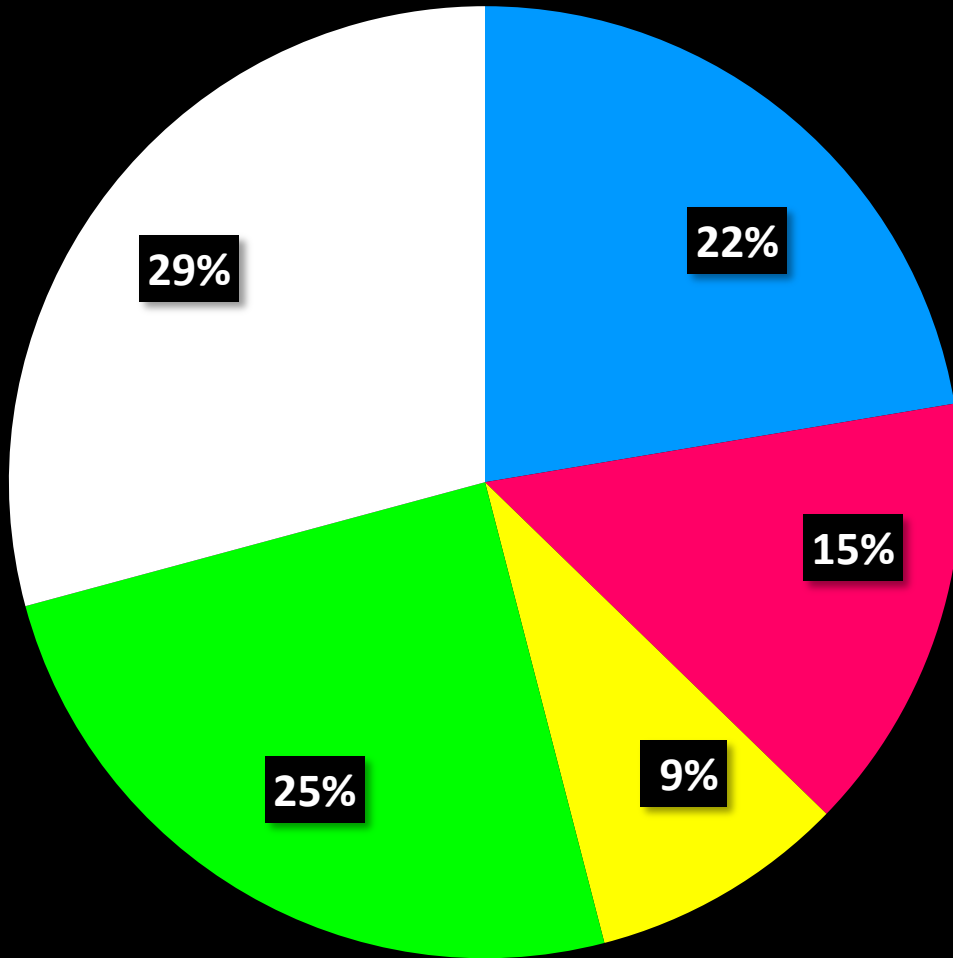
Research Associates:

- SAEON
- BCRE
- SANBI
- SANParks
- CSIR
- SAIAB

Visiting Scientists

- National
- International

2016 Membership: 161



<i>CATEGORY</i>	<i>NUMBER</i>
Staff	36
Research Associates	24
Post-docs	14
M&Ds	87

- Staff
- Research Associates
- Post-Doctoral Fellows
- Masters Students
- Doctoral Students



ACTIVITIES

Research

- 💧 Interdisciplinary research
- 💧 Research Diving Unit

Training

Research-based training - post-grads

- Short courses: diving, estuary management, MPA

Consulting

CMR houses broad expertise which can provide community service as commercial consultancies



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RESEARCH



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Global Change

Monitoring and understanding *change*, both anthropogenic and natural, and how this impacts coastal and marine systems and human communities dependent on them.

Living Resources and Food Security

Studying and developing coastal and marine living *resources* which are, or can be, utilised as food sources, with the emphasis on sustainability.



© Paul-Pierre Steyn



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Biodiversity and Conservation

Broadly relating to understanding, protecting and managing coastal and marine *ecosystems*, both for conservation and sustainable human use.



EXTERNAL LINKAGES

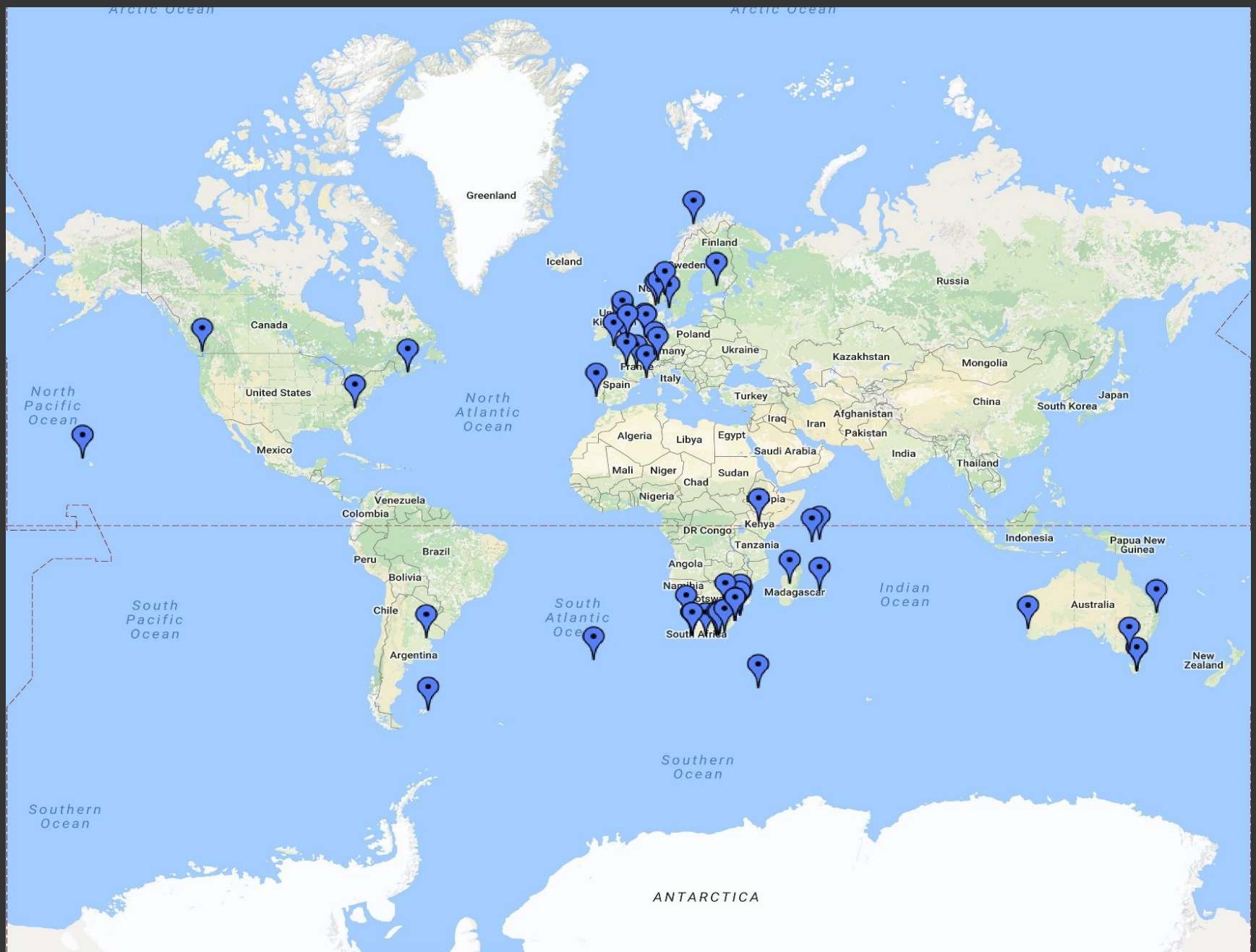
Numerous external partners both *national and international*

National

Close linkages with SAEON, Bayworld/BCRE, SAIAB, DEA: Oceans & Coasts, SANParks, SAIMI, CSIR, Ezemvelo-KZN Wildlife, isiMangaliso wetland park

International

Links exist with institutions in Norway, France, Sweden, UK (Southampton, Plymouth – research and a 2nd Year Ocean studies group).



Policy / Public Awareness

- 💧 Civil society and marine spatial planning
- 💧 Draft MSP Bill, and the 21 proposed new marine protected areas
- 💧 Estuary Management Plans
- 💧 Input to IUCN red list of species
- 💧 Identification of Ecologically or Biologically Significant Areas (in the Benguela Current region)

Government

Part-time students: DEA, DWS, SANBI, DAFF





ENGAGEMENT BENEFICIARIES

- 💧 *Local government* : Nelson Mandela Metro, Kouga, eThekweni
- 💧 *Provincial government* : DEDEA, Western Cape
- 💧 *National government* : DEA, DW&S, DAFF
- 💧 *International* : Ramsar, Nairobi and Abidjan Conventions
- 💧 *Conservation authorities*: SANParks, CapeNature, Eastern Cape Parks, Ezemvelo KZN Wildlife
- 💧 *Public, Learners*

Department of Environmental Affairs : Oceans & Coasts

- 💧 Coastal management
- 💧 *Integrated Coastal Management Act*

Department of Environmental Affairs : SANBI

- 💧 Conservation & biodiversity protection plans
- 💧 National Biodiversity Act

Department of Water & Sanitation

- 💧 Ecological water requirements of estuaries
- 💧 National Water Act



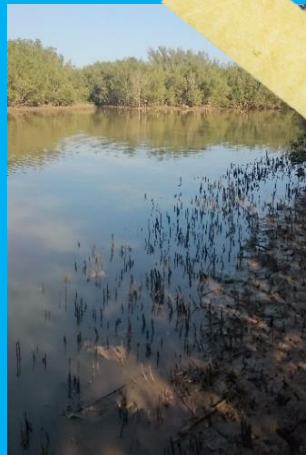
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Institute for Coastal and Marine Research Symposium

Date: 20 April 2017

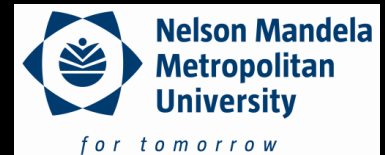
Venue: NMMU South Campus Senate

Time: 08:30 – 16:00

Objective: Showcase the impact of CMR research across various disciplines and faculties

Themes to Discuss:

- * Global Change
- * Living Resources & Food Security
- * Biodiversity & Conservation



- 💧 Three sessions
- 💧 *23 presentations*
- 💧 Four research chairs presenting
- 💧 *SRU, Paleoscience, four Faculties*
- 💧 Participants: DEDEA, CDC, Business Chamber, Press, Nelson Mandela Metro, DAFF, SAEON, Transnet, SST



BENEFITS OF ENGAGEMENT



- ◆ Relevant teaching, learning & research
- ◆ Capacity building
- ◆ New knowledge & transfer of knowledge
- ◆ Student interaction with variety of stakeholders & multi-disciplinary teams
- ◆ Quality students
- ◆ Networks





Thank You