

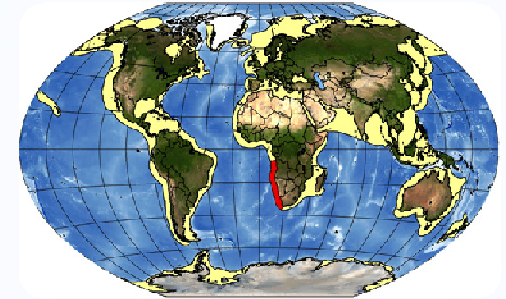


# **ROLE OF SANUMARC FOR BIOFUELS CAPACITY BUILDING IN NAMIBIA**



## SANUMARC - Brief

- Sam Nujoma Marine and Coastal Resources Research Centre in Henties Bay, Namibia



Has been a base since in **1999** for a number of visiting researchers, interested in the unique fauna and flora of the Namibian Coast.

**2005** - Officially inaugurated as a Marine and Coastal Resources Research Centre by the current Namibian President.



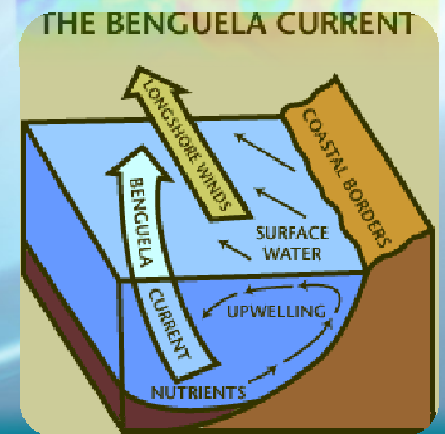
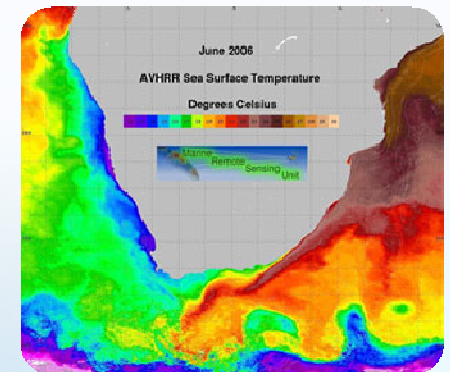


# SANUMARC - Brief

SANUMARC serves Namibia through promoting R&D in the field of marine and coastal resources, taking into consideration the unique comparative and competitive advantage of the Benguela cold current ecosystem.

## VISION

To become a centre of excellence in science and technology research in marine and coastal resources, in order to contribute to global efforts to promote food security and eradicate poverty.



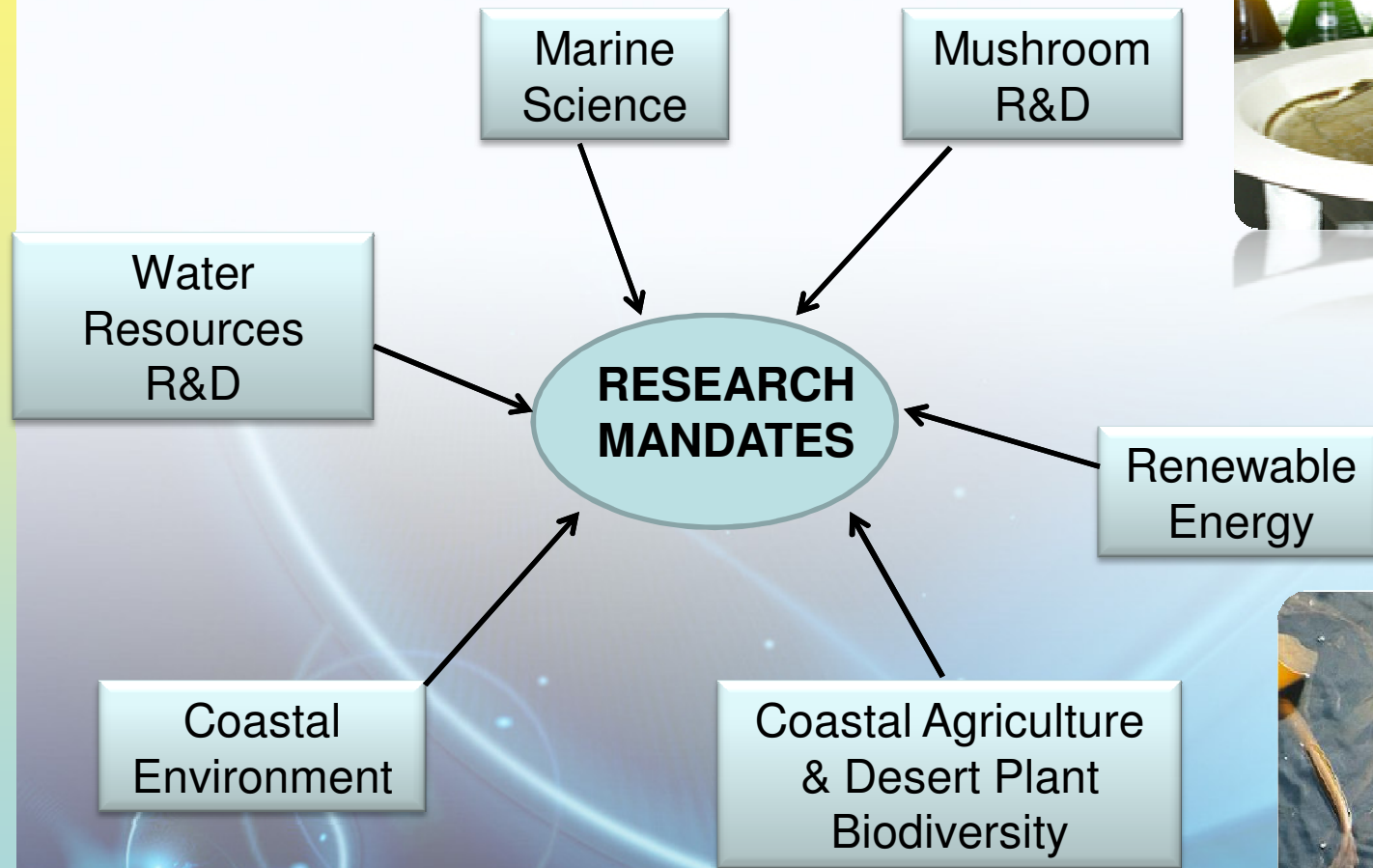




Sam Nujoma Marine & Coastal Resources Research Centre



# SANUMARC - Brief





## ROLE OF SANUMARC FOR BIOFUELS CAPACITY BUILDING IN NAMIBIA

- At present there is no biofuels capacity building initiative in Namibia
- Capacity building is linked to training hence the role of higher institutions
- SANUMARC with the facilities in place can be a driving force
- NatMIRC, though main role is in Fisheries regulation, it can contribute significantly to microalgal research
- Inclusion of phytoplankton modules in biological curricula at tertiary institutions
  - Namibia has two big institutions of higher learning, namely the University of Namibia (UNAM) and Polytechnic of Namibia (PoN).
  - Opportunities for biofuels capacity building does exist within the structures of the two institutions.





# OPPORTUNITIES AT UNAM

## UNAM RESEARCH CENTRE/OTHER FACULTIES

**SANUMARC**

**MRC**

Faculty of Engineering

Faculty of Science/Biology  
department

- ✓ Ministry of Mines and Energy
- ✓ Ministry of Agriculture, Water and Forestry
- ✓ Ministry of Fisheries and Marine Resources
- ✓ Ministry of Environment & Tourism
- ✓ Ministry of Education
- ✓ VTCs, SMEs, NGOs



## INSTITUTIONAL OBJECTIVES

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Institutional objectives of biofuels capacity building may include:

- Build and strengthen institutional capacity at all levels
- Facilitate opportunities for effective collaboration with role players/stakeholders
- Integrate biofuels training across disciplines and institutional setups
- Enhance access to both biofuels and biofuels information







## Institutional tasks through the framework may focus on:

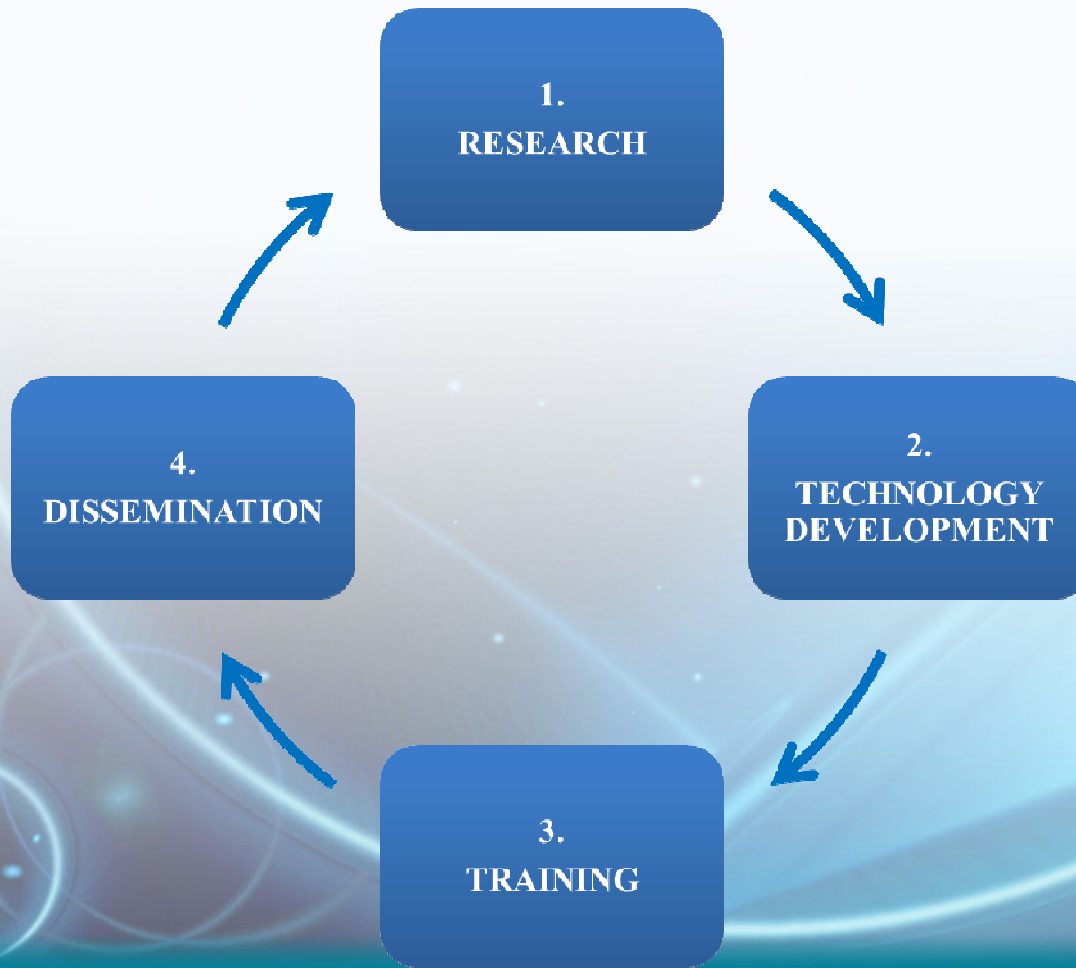
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- Providing technical expertise, training and conduct biofuels research
- Providing assistance in formulating policies, (national) strategies in order to ensure the sustainable development of the biofuel production
- Developing tools to quantify the likely biofuels resource base on a region-by-region and outline the opportunities
- Providing an enabling environment and build capacities for establishing biofuels programmes
- Facilitating efficient interactions and participation among stakeholders, including the private sector





## Capacity building framework as a four-step process designed to promote and shape biofuels capacity building activities at institutional level.





# Benefits of Biofuels Capacity Building

- The success of biofuels capacity building, direct or indirect will contribute to agricultural productivity and food security in Namibia.
- Opportunities for Small Medium Enterprise (SMEs)
  - As suppliers of biofuels.
- Long-run benefit:
  - rural empowerment / electrification
  - Self-sufficiency in energy





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# SANUMARC OPPORTUNITIES



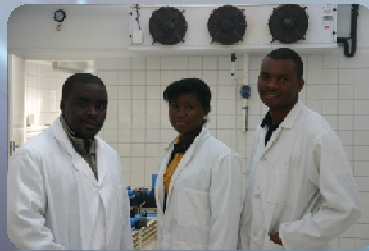
Excellent research and community output

Collaboration / partnership

Postgraduate research platform

Infrastructure Excellent

Well defined mandate







Thank you

