Africa Centre of Excellence for Water Management (ACEWM)

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Vision of ACEWM

- Is to be a leading teaching and research centre of excellence in facilitating equitable and sustainable development and use of water resources for poverty alleviation, socioeconomic development, regional cooperation and the environment in Africa.

Mission of ACEWM

Is to enhance the quality of life by ensuring water security for all by providing necessary teaching, research and development inputs, with particular emphasis on the tropical region of Eastern and Southern African Countries.
Africa’s Water Challenges

1. Provision of Safe Drinking Water
2. Ensuring access to adequate sanitation
3. Provision of Water for food security
4. Manage water under global climate change
5. Dealing with emerging water pollutants
6. Managing growing water demand
7. Improving water use efficiency
8. Managing degradation of limited aquatic resources
9. Addressing water-related diseases

Tackling the specific water challenges faced by the African Countries requires not only increased investment, but also strong capacity for proper water development, management and research
Educational Programs of ACEWM

**PhD in Water Management**
1. Hydrology and Water Resources Management (HWRM)
2. Aquatic Ecosystems Management (AEM)
3. Water Science and Technology (WST)

**MSc. in Water Management**
1. Hydrology and Water Resources (HWR)
2. Water Supply and Sanitation (WSS)
3. Water Quality Management (WQM)
4. Water and Wastewater Technologies (WWT)
5. Aquatic Ecosystems Management (AEM)

**Short Courses**
Demand-driven courses in the area of water management and water science and technology will be organized for water sector professionals and governmental professionals.

5 years plan
51 Students

5 years plan
100 students

5 years plan
200 Trainees
ACE II  
Eastern and Southern Africa  
Higher Education Centers of Excellence Project

Partnership with Universities in Japan

1. Water Purification
2. Restoration of lakes and reservoirs
3. Environmental biotechnology
4. Urban water management
5. Water quality
6. Decentralized wastewater treatment
7. Water harvesting
8. Climate change
9. Water conservation
10. Sanitation
11. Water governance

Teaching/Training

- Joint supervision and exchange visits
- Joint research and grant sourcing

Research

1. Water Supply and Sanitation
2. Water Quality Management –
3. Water and Wastewater Technologies/Management
5. Aquatic ecosystems management

1. Faculty Exchange
2. PhD/MSc. Students
3. Short course training
Examples of ACEWM’s Ongoing Regional Research Projects

Water Infrastructure for Schistosomiasis Endemic Regions

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Imperial College London, ACEWM, NMRI
Examples of ACEWM’s Ongoing Regional Research Projects

Tackling The Challenge of High Fluoride in Water in Eastern and Southern African Countries

ACEWM Team

EAWAG: Switzerland

Prof. David Sabatini
OU: USA

Dr. Pawan Labhasetwar
NEERI, India
Thank You

A blue planet:
....but availability and proper use of water is a challenge to sustainable development