

Center Title and Acronym: African Centre of Excellence for Water Management (ACEWM)

Host University and Country: Addis Ababa University, Ethiopia

Center Website Address: acewm-aau.org

Center Director and email address: Dr. Feleke Zewge, fbeshah@yahoo.com, feleke.zewge@aau.edu.et

Primary Thematic Discipline of Center: ACE for Water Management

Brief Description of Center: The African Centre of Excellence for Water Management, hosted by Addis Ababa University, is a collaborative world-class centre of excellence established with a rationale to address the lack of trained skilled human resource capable of handling water management challenges of the region in a holistic, integrative and transformative approach. The centre plans to achieve this through teaching, innovative research, internships, on job technical training and community outreach programs using broad-based partnership approach. The centre has developed and approved a curriculum for five Masters and three PhD specializations. ACEWM has a vision to become a leading teaching and research centre and contribute its share towards an equitable and sustainable use and management of water resources for poverty alleviation, socioeconomic development, regional cooperation and the environment in Africa.

Key Objectives and Expected Outcomes: the objectives of ACEWM include

1. Strengthening AAU’s teaching and research capacity in water science and technology to train critical mass of human capacity required to address national and regional development needs, and
2. Enhancing the capacity of faculty and students to conduct state-of-the-art research and scholarly activities in order to help solve regional problems in water management and climate change issues as well as provide trained research scientists and engineers to support national and regional development goals, and
3. Provide training and support for the development and adoption of best-practices in teaching, research, academic administration, and management through regional and international partnerships, coupled with mobilization of African Diaspora scientists.

Major Accomplishments to Date:

1. Conditions Effectiveness accomplished and approved the WB, and two independent bank accounts for ACEWM (USD and Local Currency) opened at the National Bank of Ethiopia, following that bank signatories had been approved by the university (Center Leader, Dean of the CNCS, Managing Director of the CNCS)
2. New Curriculum Design has been completed with stakeholders input and approved by the University
3. Published 8 Papers on International Journals: Publications after August 2016
4. 1.4 million British Pound generated in partnership with the Imperial College of London and National Institute for Medical Research (Tanzania). Of which \$ 313000 will be allocated for work conducted by ACEWM
5. Administrative Support Team for the ACEWM Established
6. Conducted joint meeting of Project Management Steering Committee, Academic Management Team, College and University Finance, procurement and Human Resources Units and Representatives of the World Bank Country Mission to Ethiopia
7. Conducted National, Regional and International Partners meeting to discuss on implementation arrangements

Primary Regional and Global Partners:

Senior Faculty	Email Address	Research Area
University of Life Sciences and Natural Resources, BOKU, Austria, Represented by: Dr. Günter Langergraber	guenter.langergraber@boku.ac.at	Activated sludge modelling, On-line monitoring, Treatment wetlands, Resources oriented sanitation systems

The University of Oklahoma, USA Represented by: Prof. David Sabatini	sabatini@ou.edu	Subsurface contaminant transport and remediation, environmentally friendly cleaning and extraction systems, water technologies for emerging regions, and educational innovations
New York State University, USA Represented by: Prof. Nosa Egiebor	noegiebo@esf.edu	Industrial water and wastewater treatment, biomass conversion for activated carbon and biofuel production, solidification for low-level radioactive waste treatment
Lilongwe University, Malawi, Represented by Professor Jeremiah Kang'ombe	jkangombe@bunda.luanar.mw	Aquaculture industry sorting fish nutrition and feed challenges and dealing with Intellectual Property (IP) issues
Kenyan Marine Science and Fisheries Research Institute, Kenya, Represented by: Dr. Joseph Kamau	josephkamau@yahoo.com	Bio geochemistry, micro plastics, Antifouling agents, Disinfectant by-products
University of Nairobi, Kenya, Represented by: Prof. John Mmari Onyari	johnonyari@gmail.com	Green Chemistry, Environmental Chemistry, Polymer Chemistry
University of Dare Salam, Tanzania, Represented by: Prof. Kessy F. Kiluliya	kefidel@gmail.com	Analytical and Environmental Chemistry
IGAD: Represented by Drs Dejene and Mr. Daher		
African Union Represented by: Department of Science and Technology		