



# International Conference

## *Fostering Cooperation in Energy Efficiency and Accessibility in East Africa*

**13 -14 March, 2017  
Nyerere Hall  
Z Ocean Hotel Kihinani  
Zanzibar, Tanzania**





EDU/INK



## **Objectives of the International Conference**

Energy deficit and energy poverty have become a major obstacle to growth and development in Eastern Africa. One of the major energy issues is price volatility and energy security. Eastern Africa suffers from high prices in the energy market and shrinking natural energy resources. Restricted access to energy resources is hampering the East African region from sustainable development.

Despite the energy emergency in the region, support from research institutes and academia is inadequate to address this situation. However, at the policy level, various countries have stressed the importance of energy access and quality research and innovations. Unfortunately, there is a mismatch between policies, political decisions and societal needs.

The main aim of this International Conference is to bring together stakeholders involved in the field of Energy from academia, researchers, project managers, NGOs, representatives of the industry and policy makers in order to encourage dialogue and strengthen cooperation links in the energy sector in East Africa. The International Conference will enhance awareness of the real needs of Science, Technology and Innovation related to Energy Access and Efficiency, and to foster discussions on how the Higher Education system can contribute to this.

## ***ENRICH***

Launched in February 2014, ENRICH is an ACP S&T project (contract number FED/2013/330-235) funded by the European Commission, which aims to promote quality science, technology and innovation (STI) support services in Kenya, Tanzania and Uganda, and strengthen co-operation links in the energy sector at national and regional level among academia, researchers, industries and policy makers. Regional co-operation in the energy and environment sectors in East African countries will be promoted by establishing three national networks to support STI and a regional portal with a database of experts. This infrastructure will foster regional dialogue improving the flow of communication between the levels of policy and operation. Managers and researchers will be trained in crucial aspects of innovation management and will replicate these trainings through national support networks. Collaboration and dialogue with policy makers will take place at national (round tables) and regional (supranational conferences) level.

## ***SUCCEED Network***

Launched in October 2013, SUCCEED Network is an ACP/Edulink project (contract number FED/2013/320-274) funded by the European Commission, which aims to promote East African university campuses as “living laboratories” for sustainability and energy efficiency, in particular by establishing a sustainable campus development platform to foster collaborative learning and action for energy access and efficiency, with the idea of contributing to solve the problems described above. The project will do this via a set of activities with the objective of improving institutional, academic and cooperation building which should result in a stronger institutional background, an enriched academic offer in renewable energy and energy efficiency, and an increased attractiveness for relevant stakeholders in order to establish new cooperation schemes in the field of energy.



## AGENDA

Monday March 13th		
08.30	09.00	Registration of the participants
09.00	09.20	<b>Official welcome</b> <ul style="list-style-type: none"> <li>• Dr. Roberto Escarré, OGPI Director, University of Alicante</li> <li>• Prof. George Shumbusho, Acting DVC Mzumbe University</li> <li>• Dr. Afua Mohammed, COSTECH Zanzibar</li> <li>• Prof. Anne Nangulu, Moi University and Commission for University Education Kenya</li> <li>• Principal Secretary (PS) Ministry of Land, Housing, Water and Energy - Zanzibar Tanzania</li> </ul>
09.20	09.30	<b>Objectives of the International Conference</b> Dr Roberto Escarré, University of Alicante
09.30	09.40	<b>GROUP PHOTO</b>
09.40	09.55	<b>Strengthening co-operation links in the East African energy sector: the ENRICH Project</b> Noelia López, Project Coordinator - ENRICH project, University of Alicante
09.55	10.10	<b>Sustainable and Energy Efficient Campus Development: the SUCCEED Network Project</b> Cristina Beans, Project Coordinator - Succeed Network, University of Alicante
10.10	10.50	<b>Challenges on Energy Access in East Africa</b> Prof. Cuthbert Z.M. Kimambo, Deputy Vice Chancellor, University of Dar es Salaam
10.50	11.15	<b>Coffee Break &amp; Networking</b>
11.15	11.45	<b>Comparative Analysis &amp; Recommendations on the East African Innovation Ecosystem</b> Mr. Pablo López, Glasgow Caledonian University
11.45	12.05	<b>Presentation of the East Africa Energy Access and Efficiency Network</b> Prof. Edwin Ataro, Moi University
12.05	12.25	<b>Presentation of the East African Higher Education Network on Sustainable and Energy Efficient Campus Development</b> Dr. Roberto Escarré, University of Alicante Prof. Bonfils Safari, University of Rwanda
12.25	12.45	<b>Lessons Learned from Implementing Energy Efficiency Projects in Tanzania</b> Prof. Aurelia Kamuzora, Mzumbe University
12.45	13.05	<b>Developing Tools for Sustainable and Energy Efficient Campus Development</b> Mr. Darius Muwanguzi, Makerere University
13.05	14.15	<b>Lunch Break</b>
14.15	15.45	<b>Round Table 1: Main challenges in the field of energy in East Africa</b> Moderator: Dr. Gerald Kafuku, COSTECH Panellists: <ul style="list-style-type: none"> <li>• Prof. Mohamed Sheikh, Zanzibar Business and Consultation Company</li> <li>• Mr. Ali Said Bakar, Department of Energy – Ministry of Land, Housing, Water and Energy Zanzibar Tanzania</li> <li>• Dr. Afua Mohamed, COSTECH Zanzibar</li> <li>• Dr. Ackim Zulu, University of Zambia</li> </ul>
15.45	16.30	<b>Networking &amp; Poster Session</b>

Tuesday March 14th		
08.45	09.00	Registration of the participants
09.00	09.10	<b>Presentation of the day's Agenda</b> Dr. Roberto Escarré, University of Alicante
09.10	09.50	<b>Renewable Energy in East Africa and the EU Perspective</b> Dr. Oana Driha, International Economy Institute, University of Alicante
09.50	10.05	<b>Road to an Adaptive Strategy for Renewable Energy Research for Southern Africa</b> Dr. Ackim Zulu, University of Zambia
10.05	10.20	<b>Energy Access, Security and Efficiency through the L3EAP Project</b> Dr. Dinesh Surroop, University of Mauritius
10.20	10.35	<b>The ANEER Project, sharing E-learning and Geospatial Data</b> Prof. Guillermo Palacios, University of Córdoba
10.35	10.50	<b>Sustainable Energy Capacity Development in Southern Africa</b> Dr. Zivayi Chiguvare, Namibia University of Science and Technology
10.50	11.05	<b>Developing the Renewable Energy Capacity in Guyana and Suriname through the Re.edu project</b> Ms. Angelika Namdar, Anton de Kom University of Suriname
11.05	11.30	<b>Coffee Break &amp; Networking</b>
11.30	11.45	<b>Review of Biogas Technologies as Alternative Source of Energy and Fertilizer in a Way to Reduce Rural Environmental Degradation and Increase Crop Yield</b> Mr. Faki Kessi, Department of Livestock Development Zanzibar, Head of Biogas Unit
11.45	12.15	<b>Application of Liquefied Petroleum Gas (LPG) and Estimated Reductions on Charcoal use and Carbon Emissions in Zanzibar</b> Dr. Said Bakari, The State University of Zanzibar
12.15	12.30	<b>Accessibility of Renewable Energy in Zanzibar</b> Ms Ursula Wittekind, Renewable Energy Zanzibar Association
12.30	12.45	<b>National Energy Report – Burundi</b> Prof. Pierre Célestin Karangwa, Université du Burundi
12.45	13.00	<b>National Energy Report – Kenya</b> Moi University & African Virtual University
13.00	13.15	<b>National Energy Report – Rwanda</b> Prof. Bonfils Safari, University of Rwanda
13.15	13.30	<b>National Energy Report – Tanzania</b> Mr. Simeo Kisanjara, Mzumbe University
13.30	13.45	<b>National Energy Report – Uganda</b> Prof. Gerald Eilu, Makerere University
13.45	14.45	<b>Lunch Break</b>
14.45	16.15	<b>Round Table 2: The role of HEIs in addressing the energy challenges in East Africa</b> <b>Moderator:</b> Prof. Anne Nangulu, Moi University and Commission for University Education Kenya <b>Panellists:</b> <ul style="list-style-type: none"> <li>• Prof. Idris Rai, The State University of Zanzibar</li> <li>• Prof. Cuthbert Z.M. Kimambo, University of Dar es Salaam</li> <li>• Dr. Moeketsi Mpholo, National University of Lesotho</li> <li>• Dr. Dinesh Surroop, University of Mauritius</li> </ul>
16.15	16.30	<b>Conference wrap up/summary and closure</b> Dr. Roberto Escarré, University of Alicante
16.30	17.00	<b>Farewell Tea</b>

## POSTER SESSION

1. East African Higher Education Network on Sustainable and Energy Efficient Campus Development – Ms. Cristina Beans, University of Alicante
2. Enhancing Energy Accessibility & Efficiency through establishing sustainable STI Support National Networks with a regional dimension in East Africa – Ms. Noelia López, University of Alicante
3. Southern African Sustainable Energy Initiative – Dr. Zivayi Chiguvare, Namibia University of Science and Technology & Dr. Moeketsi Mpholo, National University of Lesotho
4. Green Energy for Zanzibar – Mr. Alejandro S. Core, Sebastian Paschal & Niels Juhl Thomsen, Technical Assistance for the implementation of renewable energies and energy efficiency projects, including regulatory reforms (Lot 2).
5. Study of Poor Power Quality in ZECO Distribution System – Mr. Ali F. Ali, University of Dar es Salaam & Zanzibar Electricity Corporation & Dr. Santos Kihwele, University of Dar es Salaam