



## Invitation

*The Department of Development and Planning, Aalborg University,  
The Department of Environmental, Social and Spatial Change (ENSPAC), Roskilde University,  
and The Danish School of Education, Aarhus University, with assistance from  
the Danish Development Research Network (DDRN)*

*Have the pleasure of inviting you to:*

### **Workshop on the Role of Higher Education in Africa: 'Triple Helix' Responses to Climate Change**

*Friday, 30 October 2009, 08.30-17.00*

*Department of Development and Planning, Aalborg University  
Fibigerstræde 10, Auditorium (Room 8), 9220 Aalborg East*

What are the appropriate approaches to enhancing local innovation capacity and entrepreneurship in African Higher Education to foster projects designed for adaptation and mitigation to climate change? The 'Triple Helix' public-private-academic partnership model is ideally conceptualized as an innovation system model in which the collaborative partners act in community and synergy – could this not help education in Africa become better contextually-rooted to local conditions and based on local problems and needs? How to innovate in response to the challenges posed by climate change?

This one-day workshop session seeks to explore the potentials for such collaborative approaches in climate change adaptation and mitigation, with the knowledge that assumptions on the functioning of such approaches might need a revised look in the African context. The Department of Development and Planning at Aalborg University is pleased to invite researchers, development practitioners and enterprising business leaders to participate – free of charge while seats are available!

### **Background**

To date, it can be asserted that academic partnerships in Africa with the public and private sector (especially in the area of education) has not been attempted on any meaningful, larger scale. This has had detrimental effects on development, with the unexplored potential for job creation in partnership with e.g. the business sector having been highlighted in the findings of the Africa Commission. For innovative projects and activities designed to respond to climate change, there exists a similar potential for tailoring sustainable technology solutions to local conditions and needs. This forms the thematic basis for the proposed workshop, where the objectives are to:

- Explore best-practice in 'Triple Helix' partnerships and the role and potential contribution of Higher Education in Africa
- Explore opportunities by which Higher Education may contribute to sustainable technology development in climate change adaptation and mitigation
- Explore opportunities for further developing Education for Sustainable Development (ESD) in African contextually rooted settings and relating to climate change



These overall objectives form the basis for the three corresponding session themes proposed for the workshop. Emphasis is placed on setting up a workshop appealing to a wide range of disciplines and stakeholders.

### Key Speakers

**Professor Jamidu Katima** is a full professor of Chemical Engineering and holds the post as Principal at the College of Engineering and Technology at the University of Dar Es Salaam (Tanzania). Over the years his research, training and consultancy activities have focused on chemical safety, environmental management and climate change. Professor Katima is a registered expert with the Scientific and Technical Advisory Panel of the Global Environment Facility (GEF), and a registered expert with the UNFCCC on Clean Development Mechanism (CDM) Methodologies. As well, he is a member the IPCC Task Force Bureau on Inventory (Anglophone Africa) and was one of the lead authors (Chapter 4) of the IPCC's Third Assessment Report. Current research interests include, climate change (greenhouse gas inventory and CDM), biosynthesis, industrial waste treatment, industrial ecology, water pollution modelling and urban wastewater treatment.

**Dr. Dorcas Otieno** holds a PhD in environmental education and is the Chairwoman and Senior Lecturer at the Department of Environmental Studies and Community Development, School of Environmental Studies at Kenyatta University (Kenya). In addition, she chairs the board of the National Environmental Authority (NEMA), holds the Executive Director position at the Kenya Organization of Environmental Education (KOE) and coordinates the Regional Centre of Expertise (RCE) for Education for Sustainable Development in Greater Nairobi for which the KOEE is its main secretariat - one in a network of such RCE's set up as part of the UNESCO 'Decade of ESD'. Dr. Otieno conducts research, training and advocacy activities within environmental education, including ESD, environmental curriculum development and action learning, environmental ethics, gender and youth issues in development, community development and participatory project management.

### Time and Venue

The workshop is scheduled to take place on Friday October 30 2009 at:

Department of Development and Planning, Aalborg University  
Fibigerstræde 10, Auditorium (Room 8)  
9220 Aalborg East

### Program

08.30-09.00 Registration and coffee

#### *Session 1 - Exploring Triple Helix Partnerships: Academia and... Beyond?*

09.00-09.15 Opening Remarks

Professor Arne Remmen

Department of Development and Planning, Aalborg University

09.15-09.45 'Universities as Development Hubs?'

Assistant Professor Martin Lehmann

Department of Development and Planning, Aalborg University

09.45-10.15 'Innovative Partnership Models for Development'

Project Manager Jacob Ravn

Access2Innovation

10.15-10.30 Coffee Break

10.30-11.00 'Fostering Academic-Commercial Networks and Entrepreneurship'

Senior Consultant Jørn Kristiansen

AAU Innovation, Aalborg University

11.00-11.45 Guided Discussion:

'The Triple Helix in Africa - Which Opportunities to Pursue?'

Facilitated by Associate Professor Søren Lund  
Department of Environmental, Social and Spatial Change (ENSPAC), Roskilde University

11.45-12.30 Lunch

*Session 2 - Sustainable Technology Options for Africa*

- 12.30-12.45 Opening Remarks  
Associate Professor Søren Løkke  
Department of Development and Planning, Aalborg University
- 12.45-13.15 'African Priority Areas for Climate Change Adaptation and Mitigation Technologies'  
Professor Jamidu Katima  
College of Engineering and Technology, University of Dar es Salaam
- 13.15-13.45 Innovating the Clean Development Mechanism'  
Assistant Professor Rikke Bak Lybæk  
Department of Environmental, Social and Spatial Change (ENSPAC), Roskilde University
- 13.45-14.00 Coffee Break
- 14.00-14.45 Guided Discussion:  
'What are "Appropriate" Sustainable Solutions to Climate Change in Africa?'  
Facilitated by Associate Professor Søren Løkke  
Department of Development and Planning, Aalborg University

*Session 3 – Education and Responses to Climate Change in Africa: Aligning Education with Local Needs*

- 14.45-15.00 Opening Remarks  
Associate Professor Mona Dahms  
Department of Development and Planning, Aalborg University
- 15.00-15.30 'Education for Sustainable Development – Experiences from Kenya'  
Dr. Dorcas Otieno  
School of Environmental Studies, Kenyatta University
- 15.30-16.00 'What Role for Problem Based Learning in Africa?'  
Research Assistant Diana Stentoft  
Department of Education, Learning and Philosophy, Aalborg University
- 16.00-16.15 Coffee Break
- 16.15-17.00 Summing up and Workshop Closure

**Seminar Fee**

The seminar is free of charge.

**Language**

The language of the seminar is English.

**Registration**

Please register with David Christensen, Department of Development and Planning, Aalborg University, [damc@plan.aau.dk](mailto:damc@plan.aau.dk) before Monday October 26, 2009.