



MASTER'S DEGREE IN INTERDISCIPLINARY STUDIES IN ENVIRONMENTAL, ECONOMIC AND SOCIAL SUSTAINABILITY (MÀSTER SAES)

Module 1: Interdisciplinary Concepts on Environmental, Economic and Social Sustainability

Week 1: Integrated, participatory assessment procedures to promote energy access and environmental sustainability: The case of Southern Africa. Special theme organized with the support of *Fons de Solidaritat de la Universitat Autònoma de Barcelona*.

Dates: Monday 28 September - Friday 02 October 2015.

Time: 15:00-18:00

Location: to be confirmed

Number of students: about 45

Course language: English

Professors:

- Zivayi CHIGUVARE**, Namibia Energy Institute, Polytechnic of Namibia, Windhoek, Namibia
- François DIAZ MAURIN, Post-doctoral Researcher, ICTA, UAB
- Mario GIAMPIETRO, ICREA Research Professor, ICTA, UAB
- Cheddi KIRAVU**, Senior Lecturer (Electrical Engineering) at the Faculty of Engineering & Technology, and Director of the Clean Energy Research Centre (CERC), University of Botswana, Gaborone, Botswana
- Zora KOVACIC, Post-doctoral Researcher, ICTA, UAB
- Lapologang MAGOLE**, Senior Research Scholar (Natural Resources Governance), Okavango Research Institute, University of Botswana, Maun, Botswana

** Guest Lecturers sponsored by *Fons de Solidaritat de la Universitat Autònoma de Barcelona*.

Programme:

Monday, 28 September 2015, 15:00-18:00

Mario Giampietro

Introduction to the special theme: Integrated, participatory assessment procedures to promote energy access and environmental sustainability: The case of Southern Africa

Lapologang MAGOLE

The importance of participatory processes, stakeholder mobilization and capacity building for natural resource management and governance: The case of Integrated Water Resources Management (IWRM) in Botswana.

Questions and discussion

Tuesday, 29 September 2015, 15:00-18:00

Zivayi Chiguvare

The energy sector of Namibia, reality and expectations. An analysis of geo-political, economic, environmental, and social issues.

Questions & discussion

François Diaz-Maurin

Integrated characterization of energy systems: How to integrate an analysis of the feasibility, viability and desirability across different scales.

Questions & discussion

Wednesday, 30 September 2015, 15:00-18:00

Mini-symposium and round table

**The challenges of promoting sustainable energy access in Southern Africa:
The view of local experts**

(Attendance required, event open to public)

Lapologang Magole, Senior Research Scholar (natural resources governance),
Okavango Research Institute, University of Botswana, Botswana
"Using energy to do what? The challenges of rural development in Botswana"

Cheddi Kiravu, Director of the Clean Energy Research Centre (CERC), University of Botswana

"The energy sector of Botswana, present state and future options"

Zivayi Chiguvare, Director of Namibia Energy Institute, Polytechnic of Namibia
“Socio-economic and geo-political factors shaping the energy sector of Namibia”
Round Table

Thursday, 01 October 2015, 15:00-18:00

Cheddi Kiravu

Socio-economic and environmental impacts of diversifying the sources of electricity generation to include renewables and promote energy efficiency in Botswana: A systems view.

Questions & discussion

Mario Giampietro

The nexus between land-use, energy, food, and water.

Questions & discussion

Friday, 02 October 2015, 15:00-18:00

Zora Kovacic

The metabolism of informal urban settlements. A close up of Enkanini, South Africa.

Mario Giampietro

Quantitative storytelling: How to integrate different analyses (and different stakes) into a robust and useful input for natural resource management and governance. Multi-criteria analysis.

Questions and discussion