



Competence Platform on Energy Crop and Agroforestry Systems for Arid and Semi-arid Ecosystems – Africa



1st COMPETE Workshop

**'Improved Energy Crop and Agroforestry Systems
for Sustainable Development in Africa'**

22 June 2007, Mauritius

Dr. Rainer Janssen
WIP – Renewable Energies, Munich



www.wip-munich.de

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COMPETE Platform

COMPETE Website: www.compete-bioafrica.net

COMPETE Duration: January 2007 to December 2009

Coordinators:

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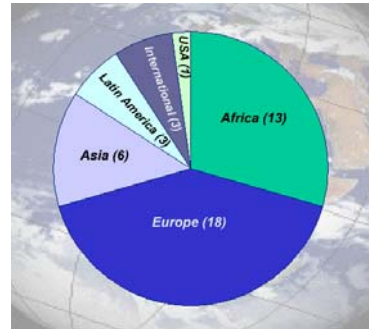
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COMPETE – Partnership

- The COMPETE Consortium consists of 44 partners from 5 continents.
- **African partners** are from Botswana, Burkina Faso, Kenya, Mali, Senegal, South Africa, Tanzania, and Zambia
- **European partners** are from Austria, Belgium, Germany, Italy, Norway, The Netherlands, Sweden, and UK
- **Asian partners** are from China, India, and Thailand
- **Latin American partners** are from Brazil and Mexico
- **International partners** are the AFDB, CI, and FAO



COMPETE Objectives

COMPETE will establish a platform for policy dialogue and capacity building and identify pathways for the sustainable provision of bioenergy


- to improve the quality of life and create **alternative means of income** for the rural population in Africa
- to aid the **preservation of intact eco-systems** in arid and semi-arid regions in Africa
- to enhance the equitable **exchange of knowledge** between EU and developing countries

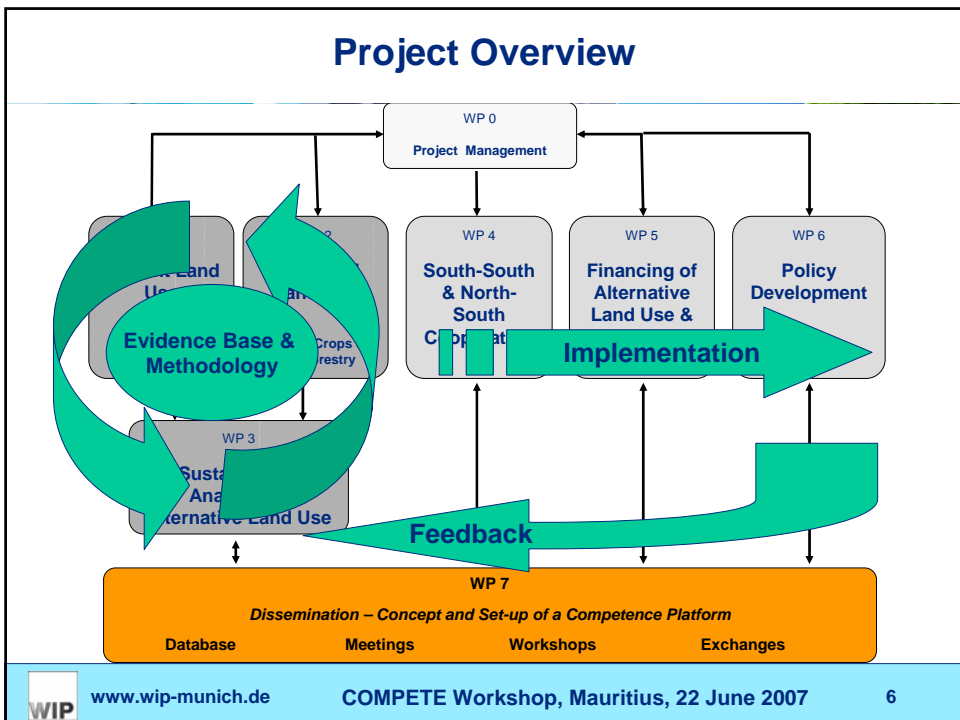


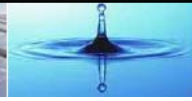


COMPETE – Main Activities and Results

- to evaluate current and future **potential for the sustainable provision of bioenergy in Africa**
- to facilitate **South-South technology and information exchange** capitalising the world-leading RD&D in bioenergy
- to develop innovative tools for the **provision of financing** for national bioenergy programmes and local bioenergy projects
- to develop practical, targeted and **efficient policy mechanisms** for the development of bioenergy systems
- to **establish the Competence Platform** to ensure effective dissemination and knowledge exchange


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Sustainability – Environmental Criteria

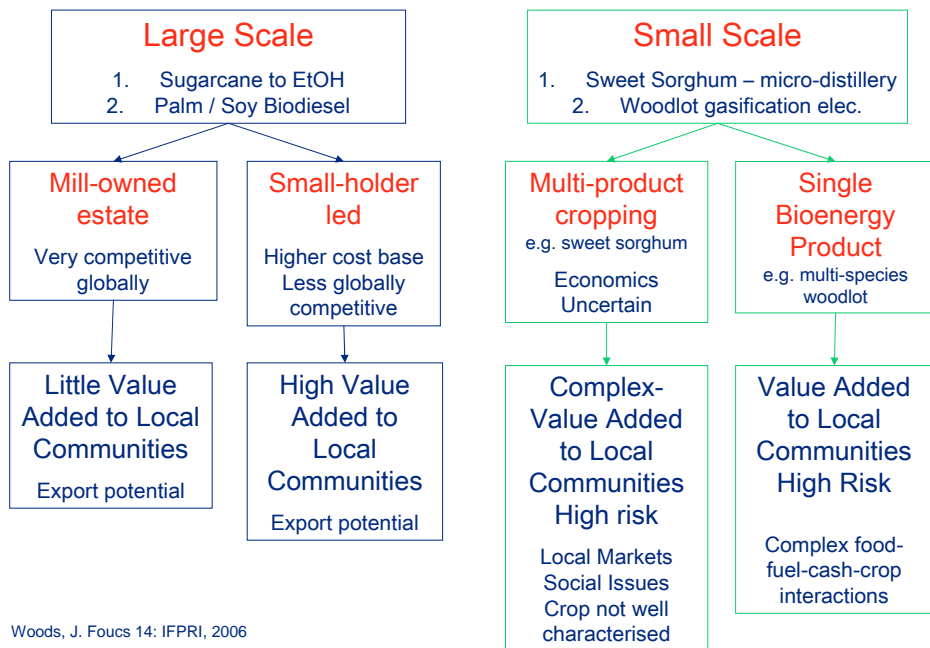
Emerging Principles and standard(s)

1. Carbon storage [stocks]
2. Biodiversity
3. Soil quality
4. Water quality and quantity
5. Air pollution


+ reporting on LUC (displacement effects and carbon report)

COMPETE will give a voice to African stakeholders in the process of the development of sustainability criteria and certification schemes

Bioenergy Development Options - Scale matters



Woods, J. Foucs 14: IFPRI, 2006




Bioenergy – Ensuring Sustainability

Bioenergy is now going to happen at very large scales in many African countries

This can be either:

- 1) **Very damaging** and lock Africa out of new development opportunities
- 2) **Sustainable and beneficial to African Development**

- **COMPETE** provides an opportunity to help option '2' to happen
- **Multi-disciplinary understanding** to **develop policies** which reward best practice
- **Human capacity building** to **unlock synergistic** exploitation rather than competition for resources


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*Thank you very much
for your attention!*



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