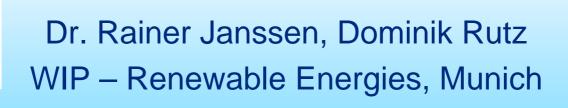


Competence Platform on Energy Crop and **Agroforestry Systems for Arid and Semi-arid Ecosystems – Africa (COMPETE)**

A European Commission Initiative

5th International Biofuels Conference

7-8 February 2008, New Delhi, India







COMPETE Platform

COMPETE Website: www.compete-bioafrica.net



COMPETE Duration: January 2007 to December 2009

Coordinators:

Rainer Janssen, Dominik Rutz, Peter Helm (WIP) Jeremy Woods, Rocio Diaz-Chavez (Imperial College)

COMPETE is co-funded by the European Commission in the 6th Framework Programme – Specific Measures in Support of International Cooperation (INCO-CT-2006-032448).

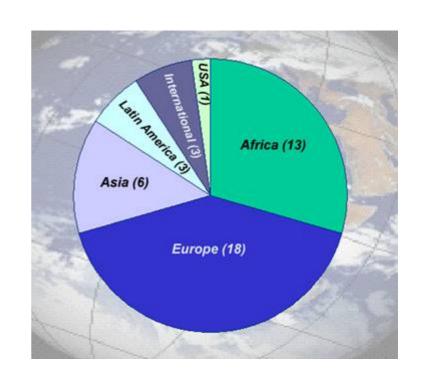






COMPETE – Partnership

- 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 ecosystems in arid and semi-arid regions in Africa

 to enhance the equitable exchange of knowledge between EU and developing countries



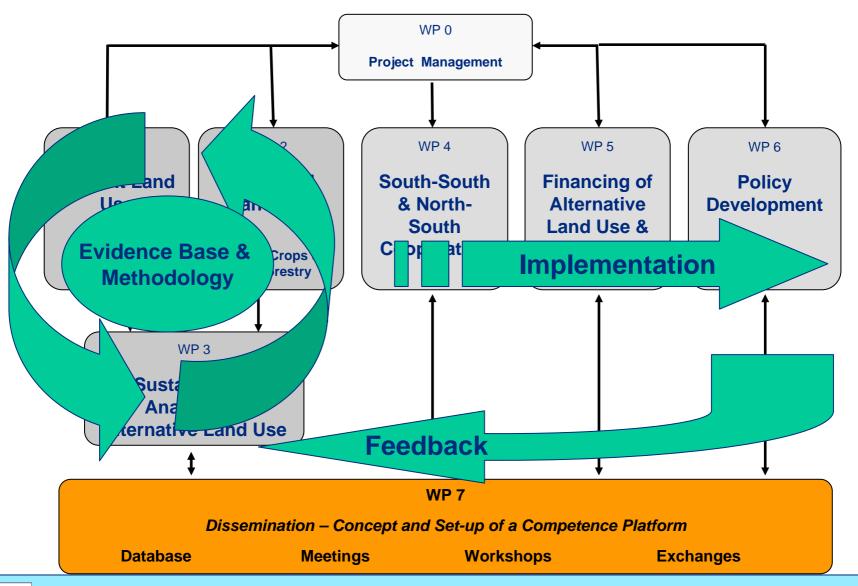


COMPETE – Main Activities and Results

- 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



Project Overview





Bioenergy Development Options - Scale matters

Large Scale

- 1. Sugarcane to EtOH
- 2. Palm / Soy Biodiesel

Mill-owned estate

Very competitive globally

Little Value
Added to Local
Communities

Export potential

Small-holder led

Higher cost base Less globally competitive

High Value
Added to
Local
Communities

Export potential

Small Scale

- 1. Sweet Sorghum micro-distillery
 - 2. Woodlot gasification elec.

Multi-product cropping

e.g. sweet sorghum

Economics Uncertain

Complex-Value Added to Local Communities High risk

Local Markets Social Issues Crop not well characterised

Single Bioenergy Product

e.g. multi-species woodlot

Value Added to Local Communities High Risk

Complex foodfuel-cash-crop interactions



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





COMPETE Workshop on 'Improved Energy Crop and Agroforestry Systems for Sustainable Development in Africa'

- Organised by UKZN and WIP on 22 June 2007 in Mauritius in the framework of the ICSU 'International Field Workshop on Renewable Energy for Sustainable Development in Africa' (18-21 June 2007)
- Session on improved land use (e.g. sugar cane, sweet sorghum, jatropha)
- Session on sustainability and policy frameworks
- Session on South-South cooperation (China, India)
- Workshop proceedings available at www.compete-bioafrica.net







COMPETE Participation at The First High-level Biofuels Seminar in Africa

- Organised by the African Union Commission (AUC), the Government of Brazil and UNIDO in Addis Ababa on 30 July to 1 August 2007
- COMPETE members as speakers, experts and session chairs
- Introductory presentation by Prof. Francis Yamba, CEEEZ, Zambia, on policy recommendations for biofuel programmes in Africa
- The Addis Ababa Declaration on Sustainable Biofuels Development in Africa
- available at www.iisd.ca/africa/biofuels







COMPETE Seminar Brazil

22-26 October 2007 in São Paulo, Piracicaba, Riberão Preto

- Seminar with presentations from UNDSD, NGOs, CENBIO
- Launching of BEST Bioethanol Bus Fleet
- Visit to DEDINI and TGM (Equipment manufacturers)
- Visit to Santo Antonio Sugar Mill
- Visit to Bertin (Biodiesel production)





COMPETE Meeting and Roundtables in Burkina Faso

26-29 November 2007 in Ouagadougou

- COMPETE Roundtables in the framework of the International Conference 'Stakes and Perspectives of Biofuels for Africa'
 - Round Table 1 –
 'Biofuels for transport versus electricity production'
 - Round Table 4 –
 'Competition between non-food and food uses: stakes and risks'









COMPETE Registered as Official Partnership of the UN Commission on Sustainable Development (CSD)

- CSD was established in 1992 at the Earth Summit in Rio
- Priority Issues of the next CSD sessions in 2008-2009 address the topics Agriculture, Rural Development, Land, Drought, Desertification and Africa
- CSD-16 from 5-16 May 2008 in New York (COMPETE: Side event, Partnerships Fair, Presentation of the partnership)
- COMPETE as CSD Partnership at www.un.org/esa/sustdev/partnerships/
- More information on the Commission on Sustainable Development is available at www.un.org/esa/sustdev/csd/





COMPETE Seminar and Field Visits - India

- 4-8 February 2008 in Pune, Chattisgarh, New Delhi
- Organised by COMPETE partner Winrock International India
- Visit to PRAJ Industries and Thermax Ltd. (Biofuel Plant & Equipment Manufacturers)
- Visit to Biodiesel Plant operated by Chattisgarh Biofuel Developments Authority



- Visit to Ranidhera Rural Electrification Project
- Visit to Jatropha Plantations in Kawardha

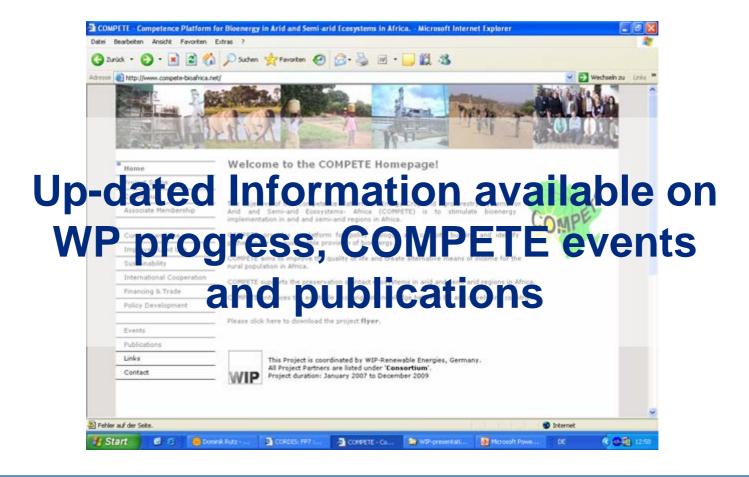


COMPETE Events 2008 - Invitation

- COMPETE WP5 Workshop (Financing of Alternative Land Use), 15 April 2008 on the occasion of the UNIDO Int. Renewable Energy Conference in Africa, 16-18 April, Dakar, Senegal
- Policy Conference on ,Sustainable Biofuels –
 An African Perspective', 16-21 June 2008, Tanzania
- COMPETE WP6 Workshop (Policy Development), 25-27 November 2008, Mali



COMPETE Website www.compete-bioafrica.net











COMPETE Newsletter and Flyer









COMPETE Associate Membership

The Associate Membership

facilitates the involvement of other interested organisations

Associate Members

- will be regularly informed about events and activities of the COMPETE project
- are invited to make use of the dissemination platforms established in the framework of the COMPETE project







Acknowledgement

Thanks to All Partners of the COMPETE Project

Special Thanks to our COMPETE Colleagues from Winrock International India:

Sobhanbabu PRK

Sudipto Chatterjee

Deepak Sharma











Thank you very much for your attention!







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