

1st Workshop ESSP Bioenergy

Bioenergy and Earth Sustainability

19-21 July 2008

Escola Superior de Agricultura “Luiz de Queiroz”, Piracicaba, Brazil

22 July 2008 – field trip

Agenda – As per 10 July 2008

Day 1

AM1 – Talks

AM2 – Talks

PM1 – Talks

PM2 – Break out groups (Themes: Resources, Climate, Development)

Day 2

AM1 – Break out groups (Themes: Resources, Climate, Development)

AM2 – Plenary

PM1 – Talks: Regional Perspectives (EU, Brazil, USA)

PM2 – Talks: Regional Perspectives (Africa, Asia/India, Other developing countries)

PM3 – Break out groups (Products: agenda, analyses, publications)

Day 3

AM1 – Break out groups (Products: agenda, analyses, publications)

AM2 – Break out groups (Products: agenda, analyses, publications) and Plenary reporting

PM1 – Session on Scenarios: ideas for integration

PM2 – Concluding Plenary

DAY 1 - Saturday, 19 July 2008

9:00 a.m.

Welcome and the ESSP

Carlos Nobre, Brazil

Jean Ometto, Brazil

Introduction and Workshop Objectives

Anand Patwardhan, India

Pep Canadell, Australia

9:30 a.m.

Trade-offs and Synergies

RESOURCES: biodiversity; land-use and food; water

(15 min. + 5 min. questions)

Energy and food security

Keith Weibe, Italy

Water requirements of biofuel expansion

Rudiger Schaldach, Germany

Impacts of rising food and bioenergy demand on land and water use

Hermann Lotze-Campen, Germany

John Schalermann, UK
Biodiversity impacts of bioenergy production: a modelling approach using GLOBIO3

10:50 a.m. *Break*

11:10 a.m.
General discussion on the “Resources” theme (30 min.)

11:50 a.m.
Trade-offs and Synergies
CLIMATE: GHG mitigation; biosphere-atmosphere interactions; full radiative forcing
(15 min. + 5 min. questions)

Biosphere-atmosphere interactions of biofuels
Elena Sheviliakova, USA

Carbon implications of different biofuel pathways
Pep Canadell, Australia

Energy balance of ethanol production
Isaias Macedo, Brazil

General discussion on the “Climate” theme (20 min.)

1:00 p.m. *Lunch*

2:00 p.m.
Trade-offs and Synergies
DEVELOPMENT: rural development and energy access; technologies and business
opportunities; trade
(15 min. + 5 min. questions)

Energy systems analysis in Africa with an emphasis on the potential sustainable energy options
Stephen Karekezi, Kenya

Technologies
Andre Faaij, The Netherlands

Energy systems and how bioenergy fits into the main energy system
Roberto Schaeffer, Brazil

Trade and biofuels certification
Gernot Klepper, Germany

General discussion on the “Development” theme (30 min.)

3:50 p.m. *Break*

4:20 p.m.
Break out groups:

- **Resources** (chair: Dennis Ojima)
- **Climate** (chair: Michael Raupach)
- **Development** (chair: Anand Patwardhan)

6:00 pm *End of the Day*

DAY 2 – Sunday, 20 July 2008

9:00 a.m.

Break out groups:

- Resources
- Climate
- Development

11:00 a.m. *Break*

11:30 a.m.

Plenary discussion on the three themes

1:00 p.m. *Lunch*

2:00 p.m.

Integrated Regional Overviews

(15 min. + 5 min. questions)

Europe

Stefan Majer, Germany

Brazil (with references to the rest of South America)

Weber Amaral, Brazil

United States of America

Jerry Melillo, USA

Africa

Graban von Maltiz, South Africa

3:20 p.m. *Break*

3:50 p.m.

Woody biomass feed stocks from drylands: Supply potential and sustainable rural livelihoods in Southern Africa

Mogodisheng Sekhwele, Botswana

Asia/India

N.H. Ravindranath, India

4:30 p.m.

Plenary: Brain storm on products (and identify working groups for the next day):

- Research agenda
- Key analyses (eg, bioenergy scenarios)
- Synthesis papers

6:00 p.m. *End of the day*

DAY 3 – Monday, 21 July 2008

9:00 a.m.

Break out groups (Products):

10:30 a.m. *Break*

11:00 a.m.
Break out groups (continuation)

12:00 p.m.
Plenary discussion on Products

1:00 p.m. *Lunch*

2:00 p.m.
Session on Scenarios: ideas for integrating

Plenary Discussion led by:
Nebojsa Nakicenovic, Austria
Anand Patwardhan, India
Guenther Fischer, Austria
Francesco Tubiello, USA

3:30 p.m. *Break*

4:00 p.m.
Plenary Discussion on Outcomes of the meeting

6:00 p.m. End of the meeting

FIELD TRIP – Tuesday, 22 July 2008

a.m.
Sugar cane plantations
Ethanol processing plant

p.m.
Short trip over the region on the INPE 12-seater aircraft

For participants who may need to catch planes late in the afternoon/evening from Sao Paulo international airport, the organization will provide a shuttle bus from Piracicaba after the a.m. field trip.