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# International Bioenergy Platform

## FAO's Contribution to

## Bioenergy

Padova, April 20, 2007

**Gustavo Best**

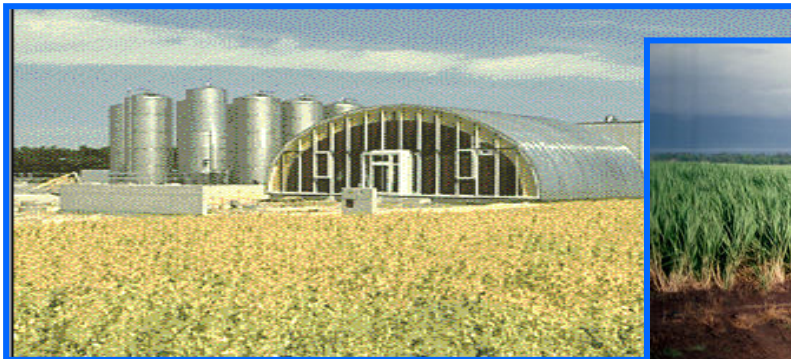
Climate Change and Bioenergy Unit, NR - FAO

**This group of pictures is only to recall the variety of bioenergy sources, technologies and social and scientific implications.**

**Bioenergy has to do with:**



**it is about people, resources and knowledge**



**wood, forests, cooking stoves, rural poverty, high-tech industry, agronomy, new crop development and selection, land tenure issues, biodiversity impacts, rural employment.....**

# **Bioenergy potential is very large, probably the largest among the renewables**

**As the potential is mobilized, positive but also negative impacts could be felt in:**

- Global and local food security**
- Global energy security**
- Rural development**
- International commodity trading**
- Climate change mitigation**

**International collaboration needed to avoid:**

- Disruption of energy markets, particularly in developing countries**
- Inequitable social conditions, particularly for farmers**
- Irreversible impacts on the agriculture and energy sectors**
- Degraded biodiversity and other natural resources**

**Bioenergy can play a unique role in a smooth transition from oil to renewables**

# Main Drivers for Bioenergy

- **Economics**
  - **Energy Supplies/Security**
- **Poverty**
  - **Rural energy services**
- **Population pressure**
- **Environment/climate change**
- **Urbanization**
  - **Transport**



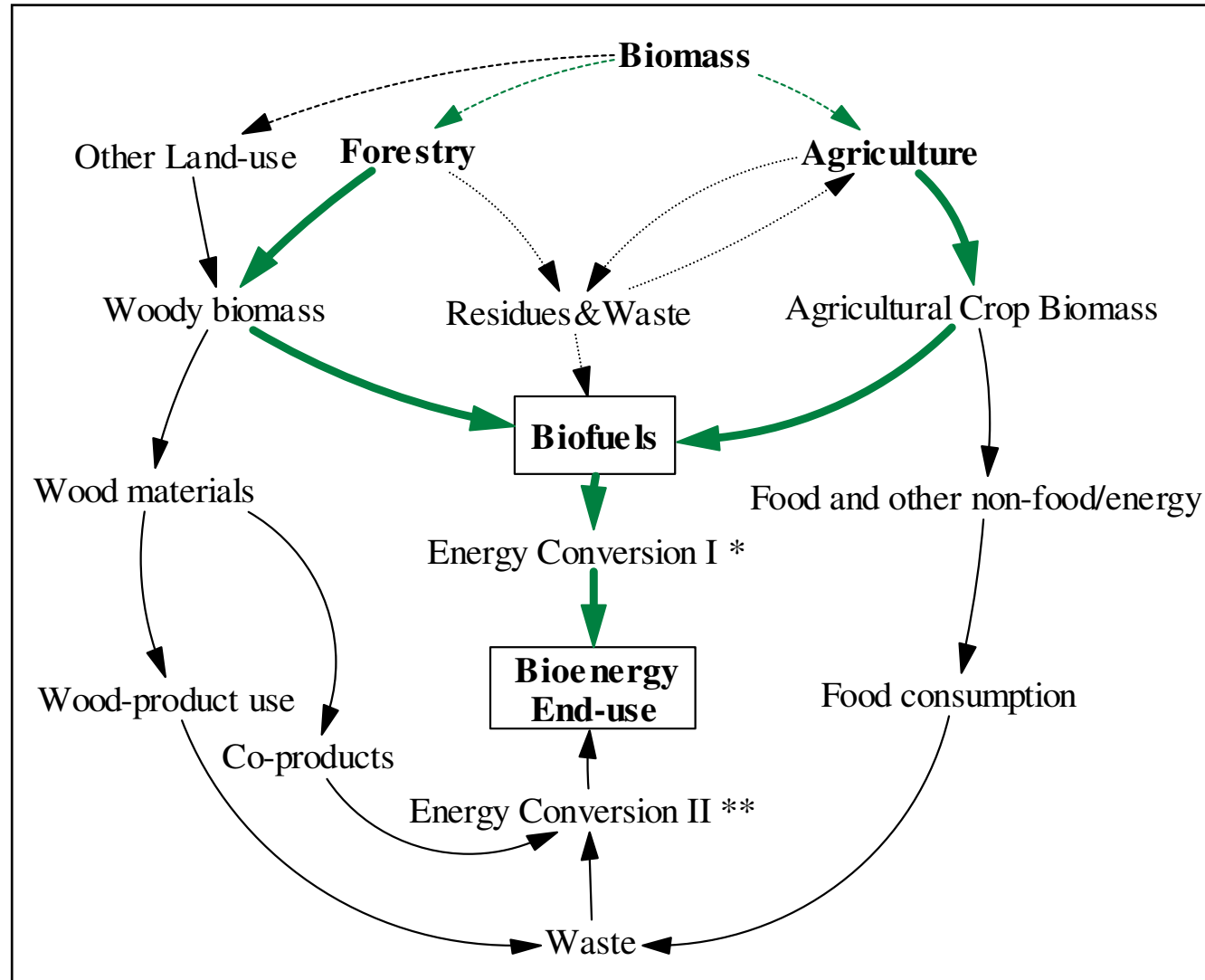
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# International Bioenergy Platform

For FAO



# Forestry → Agriculture → Bioenergy



Source: Juergens (FAO) 2006

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# International Bioenergy Platform

IBEP is FAO's overall  
framework for action on  
bioenergy

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# International Bioenergy Platform

Why IBEP ?

A neutral forum for:

- Multi-disciplinary approaches
- Collaboration at multiple scales
- Mechanisms for integration
- Efficient mobilization & use of resources

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# International Bioenergy Platform

## Objectives

- Equitable & accessible bioenergy
- Sustainable production and utilization
- Integration of bioenergy production & use with “normal” development activities:
  - ✓ alleviation of food insecurity, hunger, poverty
  - ✓ integrated management of forests and other natural resources
  - ✓ climate change mitigation
  - ✓ market, infrastructure development and, particularly ...
  - ✓ ... rural livelihoods and wellbeing

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# International Bioenergy Platform

## Outcomes

- Information and analysis for decision making at various levels
- Integrated production and utilization systems
- Institutional capacities strengthened and action mainstreamed
- Broad societal access to bioenergy opportunities & options

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# International Bioenergy Platform

Structure

## Pillar 1

Knowledge management  
(4 major tasks)

## Pillar 2

Mobilization & implementation  
(3 major tasks)

# International Bioenergy Platform

## Pillar 1

### Knowledge management

- ✓ thematic networks
- ✓ feedstocks and potentials
- ✓ enabling sustainability
- ✓ data, information systems

International focus for access to data, information for analysts, producers, markets, policy makers

Access to data, information, farming/best practices, exchange platforms, learning forums

Analytical tools, institutional/farmer capacity building, studies

Integrated multi-sector policies & strategies, participation, technical optimization

# International Bioenergy Platform

## Pillar 2

Institutional and technical capacities, interdisciplinary stakeholder participation

Coherent national and international activities & expertise in diverse sectors and groups

### **Mobilization & implementation**

- ✓ capacity building
- ✓ industry and academia partnerships
- ✓ FAO and civil society-interdisciplinary

Mobilizing FAO internal capacity to mainstream its bioenergy expertise

# International Bioenergy Platform

## Process

- A six year programme
  - ✓ knowledge, approaches, models, methodologies
  - ✓ country applications
  - ✓ Transformation into production and use by local stakeholders
  - ✓ Already more than 10 million USD in funding
  - ✓ Multidonor trust fund.. DFID/DEFRA ?
- Facilitation, communication, action through regional and thematic partnerships
- Supported by FAO and platform members – donors, ngo's, international organizations

# International Bioenergy Platform

## Major activities include :

- FAO regular programme activities (Planning tools/definitions/policies – assessment studies – technical assistance.....) – COFO-COAG-CFS
- IDWG on Bioenergy
  - Natural Resources
  - Forestry – Wood Energy Programme
  - Agriculture
  - Economic and Social
  - Legal
  - Information
  - Regional Offices

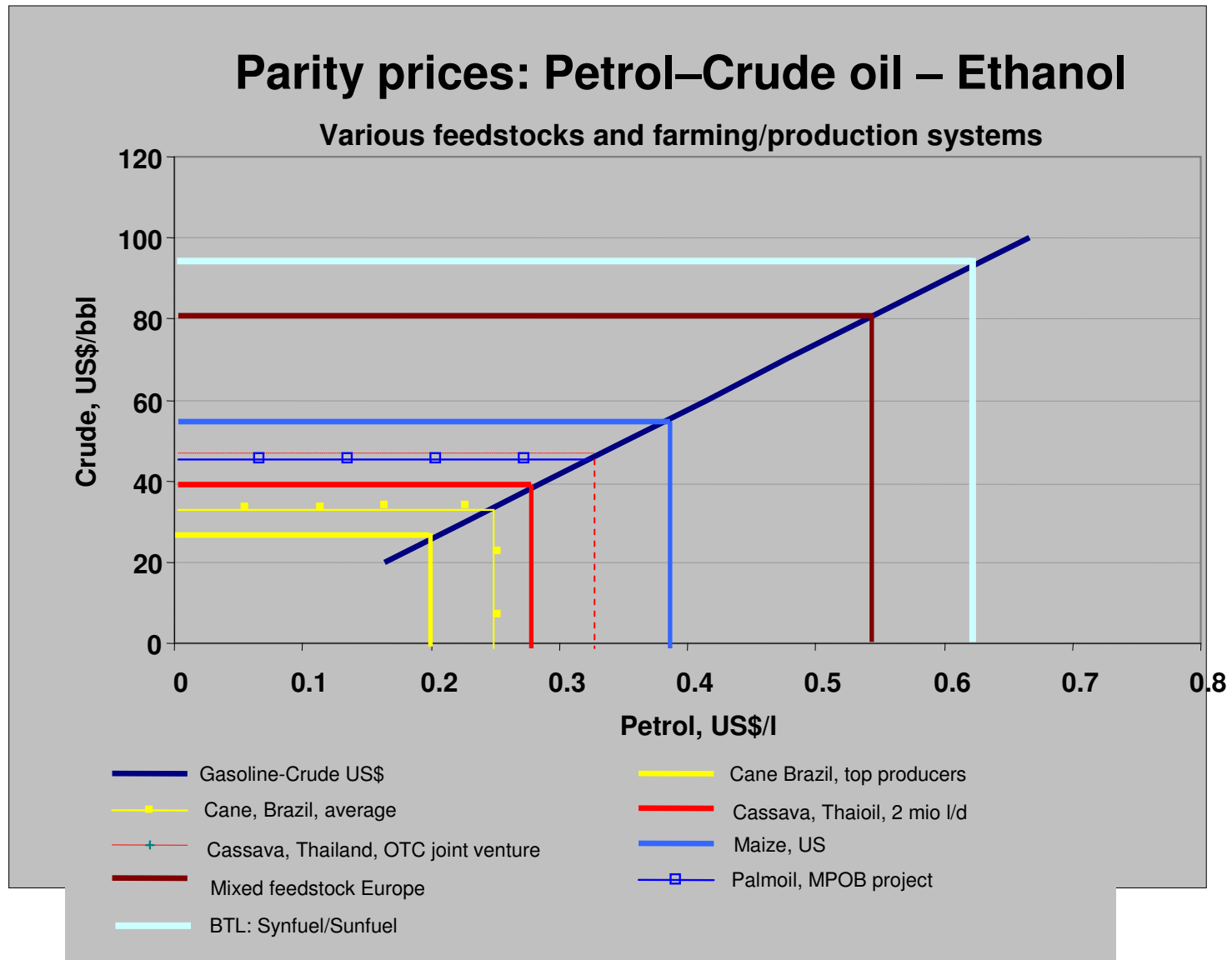
# International Bioenergy Platform

## Project activities include :

- Bioenergy and food security (3 years)
- Synergy with Global BioEn Partnership GBEP – (2 years)
- UN Energy – all UN Agencies – FAO Vice Chair
- TCP (over 15 initiatives in all regions)
- Pipeline: GEF; EU; TICAD; UNF; other donors

**Towards a multidonor Trust Fund**

# Competitiveness and price links



**Source:** Josef Schmidhuber,  
FAO (2005)

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**FAO offers IBEP as a Framework for  
international cooperation on Bioenergy**

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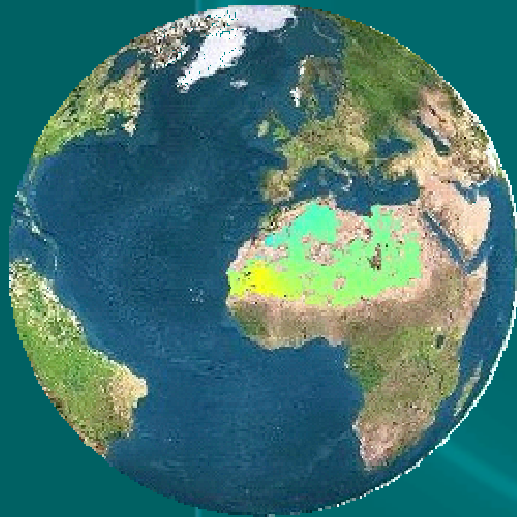
[bioenergy@fao.org](mailto:bioenergy@fao.org)

[http://www.fao.org/sd/en2\\_en.htm](http://www.fao.org/sd/en2_en.htm)

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**Thank you !!**



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Climate Change and Bioenergy Unit

