



Federal Ministry  
of Food, Agriculture  
and Consumer Protection



## ***Conference***

# ***“Biofuels for Transportation – Global Potential and Implications for Sustainable Agriculture, Energy, and Security in the 21st Century”***

***June 7, 2006  
Rayburn 2168, Gold Room, Capitol Hill  
Washington, D.C.***

## **Panel-Session # 1**

# ***Ensuring Sustainable Biofuels Development***

*This session will address to what extent biofuels could provide an alternative to the highly oil dependent transportation infrastructure that underpins today's modern industrialized economy with special attention to social, environmental, and economic factors. Panelists will also discuss biofuels impact on employment and rural economies by enabling countries to harness a greater share of their domestic resources.*

**1:30 – 3:00 PM**

## Moderator:

**Boris E. Utria**, Senior Economist, Energy Unit, Africa Region / Co-Chair of Energy and Poverty Thematic Group, The World Bank.

## Panelists:

1. **Uwe Fritsche**, Coordinator, Energy and Climate Division, Oeko-Institut – Institute for Applied Ecology, Germany: **“Environmental Impacts”**
2. **John Podesta**, President and CEO, Center for American Progress  
**“Economic Factors and Rural Development”**
3. **Andre Faaij**, Associate Professor; Coordinator Research Energy Supply & System Studies, Copernicus Institute, Utrecht University: **“The global dimensions of bio-energy markets, trade and sustainable development”**
4. **Norbert Schmitz**, Partner Méo Consult, Advisor to the German Federal Ministry of Food, Agriculture, and Consumer Protection: **“Biofuels in Europe – Perspectives and Policy Approaches”**

## **Panel Session: “Ensuring Sustainable Biofuels Development”**

### **Moderator Remarks (5 minutes):**

#### **1. Introduction**

**2. Biofuels “Paradigm shift”:** *How to ensure a “sustainable” development of biofuels (sustainability = Economic viability + social equity + Environmental adequacy).*

**3. Developed Nations:** *Potential of biofuels to provide a significant energy contribution while reducing their geo-political dependence from oil.*

**4. Developing Nations:** *Potential of biofuels to reduce the macroeconomic burden of high oil prices while promoting economic growth, employment generation, rural incomes and poverty alleviation.*

#### **5. Trade-oriented Private/Public Partnership implementation models:**

- **Private Sector:** capital, technology and management;
- **Governments:** policy and regulation, public infrastructure and CD;
- **Donor Community:** financing, policy intermediation and risk guarantees.

**6. Investments:** How much of the IEA estimated US \$16 trillion of required investments in the energy sector between 2000-30 should go to biofuels?

## ***Panel Session: “Ensuring Sustainable Biofuels Development”***

Topic: **“Environmental Impacts”**

Panelist: **Uwe Fritsche**, Coordinator, Energy and Climate Division, Oeko-Institut  
Institute for Applied Ecology, Germany: **“Environmental Impacts”**

### **Key Issues:**

- *Key environmental impacts related to the development of biofuels.*
- *Main policy and regulatory requirements for ensuring environmental adequacy and sustainability in the development of biofuels.*
- *Environmental costs, new technology and trade-off.*

## ***Panel Session: “Ensuring Sustainable Biofuels Development”***

Topic: **“Economic Factors and Rural Development”**

Panelist: **John Podesta**, President and CEO, Center for American Progress

### **Key Issues:**

- *Key economic drivers for the development of biofuels..*
- *Expected effect of technological innovation on medium-to-long term biofuels production costs and market prices.*
- *The role of biofuels in promoting rural development in develop and developing countries.*

## ***Panel Session: “Ensuring Sustainable Biofuels Development”***

Topic: **“The global dimensions of bio-energy markets, trade and sustainable development”**

Panelist: **Andre Faaij**, Associate Professor; Coordinator Research Energy Supply & System Studies, Copernicus Institute, Utrecht University:

### **Key Issues:**

- *Sustainable bio-energy markets and trade, definition and implications.*
- *Expected global dimension of medium-to-long term bio-energy markets.*
- *Concrete policy and regulatory measures to ensure the development of a sustainable global biofuels trade models.*

## ***Panel Session: “Ensuring Sustainable Biofuels Development”***

### Topic: **“Biofuels in Europe – Perspectives and Policy Approaches”**

Panelist: **Norbert Schmitz**, Partner Méo Consult, Advisor to the German Federal Ministry of Food, Agriculture, and Consumer Protection:

#### **Key Issues:**

- Status of and prospects for Biofuels in Europe.
- Main drivers for the development of biofuels in Europe.
- Key policy and regulatory measures adopted in Europe and differences to other countries.
- The medium-to-long term role of trade in European biofuel markets.



## Panel-Session

### *Ensuring Sustainable Biofuels Development*

#### Concluding Remarks:

*Boris E. Utria*, Moderator

#### Panelists (optional):

**Uwe Fritsche**  
**John Podesta,**  
**Andre Faaij,**  
**Norbert Schmitz**