

# Global Bioenergy Partnership

*Working together to promote bioenergy  
for sustainable development*

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## 4th World Biofuels Symposium

Tsinghua University, Beijing, China

20 October 2008

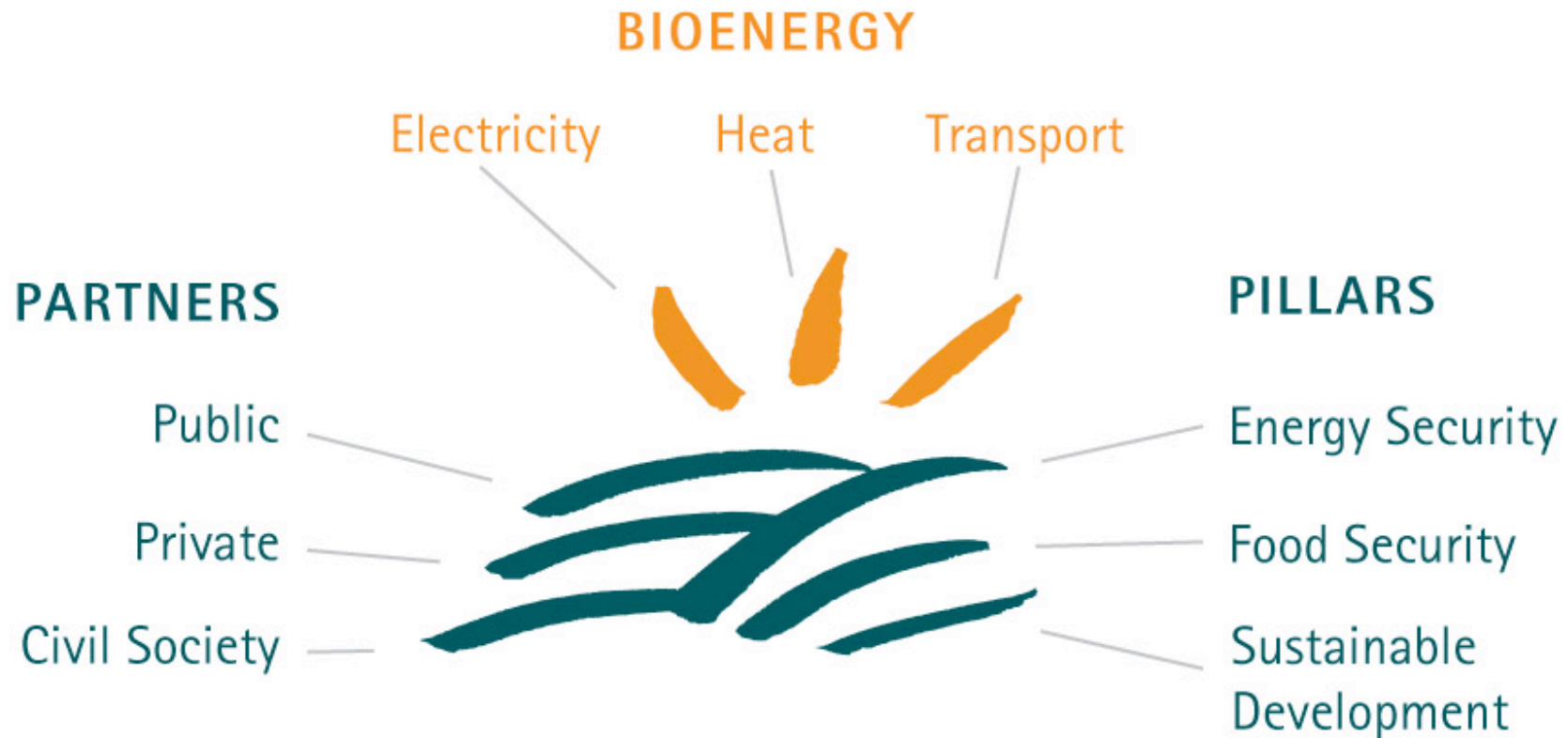
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# GBEP – Scope, Partners, Pillars

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# G8+5 Commitments and Mandates

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## 2005 Gleneagles Plan of Action:

*“We (the G8) will promote the continued development and commercialisation of renewable energy by: [...] d) launching a **Global Bioenergy Partnership** to support wider, cost effective, biomass and biofuels deployment, particularly in developing countries where biomass use is prevalent, following the Rome International Workshop on Bioenergy”.*

## 2007 Heiligendamm Summit Declaration:

*“We invite the **Global Bioenergy Partnership (GBEP)** to continue its work on biofuel best practices and **take forward the successful and sustainable development of bioenergy**”*

## 2008 Hokkaido Toyako Summit:

*“We support the work of the **Global Bioenergy partnership (GBEP)** and invite it to work with other relevant stakeholders to **develop science-based benchmarks and indicators for biofuels production and use**”*

# GBEP Objectives

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- Favour **efficient and sustainable** uses of biomass
- Facilitate bioenergy **integration into energy markets**
- Create a **global high-level policy dialogue** and **facilitate international collaboration**
- Foster the **exchange of information**
- Act as a **cross-cutting initiative**, working in synergy with other relevant activities and avoiding duplications

# BIOENERGY: Main Benefits

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- **Sustainability:** clean and renewable energy source
- **Availability:** increased energy access - rural areas
- **Flexibility:** power, heat and transport
- **Energy security:** diversified energy mix, domestic sources
- **Mitigation of climate change**
- **Diversification** of rural livelihoods
- **Reduction in land degradation**

# BIOENERGY: Key Challenges

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- Ensuring **sustainability**
- Safeguarding **food security**
- Protecting **biodiversity**
- Managing competition for **land and water**
- Controlling pollution of **air, water and soils**
- Removing barriers to bioenergy **trade**

# GBEP Added Value

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- Focus on **bioenergy** as a key renewable energy source
- Strong **political commitment** - promote bioenergy in line with climate change, energy security & food security considerations
- A **voluntary forum** to facilitate international dialogue
- Priority given to **developing countries**
- **Exchange of experience and technologies** – North-South, South-South, South-North
- Engagement of the **private sector**
- **Visibility** of bioenergy opportunities and challenges at international level & **Integration** into development initiatives.
- Improved **coordination** across sectors and stakeholders

# GBEP Programme of Work

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1. Facilitate the **sustainable development of bioenergy** and collaborate activities in the bioenergy field projects.
2. Formulate a **harmonized methodological framework on GHG emission reduction measurement** from the use of biofuels for transportation and from the use of solid biomass
3. **Raise awareness and facilitate information exchange on bioenergy**

# GBEP Programme of Work

## SUSTAINABLE DEVELOPMENT OF BIOENERGY

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### “GBEP Task Force on Sustainability” (UK leading Partner)

#### Actions and Objectives:

- Develop an inventory of what is being done on bioenergy sustainability internationally;
- Identify and discuss commonalities, differences and issues requiring further consideration;
- Facilitate the sharing of information, data, experiences and best practices relating to sustainable bioenergy production and use;
- Develop a set of **global science-based criteria and indicators** regarding the sustainability of bioenergy.

This work, expected to be finalized by APRIL 2009, will provide a reference for all interested stakeholders and in the formulation of national policies and international cooperation programmes.

# GBEP Programme of Work

## HARMONIZED METHODOLOGICAL FRAMEWORK ON GHG EMISSION REDUCTIONS

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### GBEP Task Force on GHG emission reductions (US leading Partner)

#### Activities and Objectives:

- Review existing methodologies and analyse the full well-to-wheel lifecycle of transport biofuels and solid biomass;
- Develop a harmonized methodological framework so GHG lifecycle assessments can be compared on an equivalent basis.

#### 4 Sub-groups:

- Sub-group 1 - Land use change and feedstock production (**US** leading);
- Sub-group 2 – Biomass processing (**EC** leading);
- Sub-group 3 – fuel transportation and use (**Germany** leading);
- Sub-group 4 – Biofuel usage compared to fossil fuel (**Brazil** leading).

**This work, expected to be finalized by MARCH 2009, will provide a reference for the use of policy makers and stakeholders when assessing GHG impacts so that GHG lifecycle assessments can be compared on an equivalent basis.**

# GBEP Programme of Work

## RAISE AWARENESS AND INFORMATION EXCHANGE

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This GBEP activity seeks to increase the understanding of pertinent issues related to bioenergy development among Partners and between the Partnership, other technical and political actors, and the general public.

### Activities:

- **First GBEP Report** - “A Review of the Current State of Bioenergy Development in G8 +5 Countries” (released on November 2007)
- development of **GBEP information material** and a GBEP website ([www.globalbioenergy.org](http://www.globalbioenergy.org));
- participation in relevant **international conferences** and meetings focused on bioenergy, and organization of specific GBEP events;
- organization of an **international media campaign** to promote GBEP activities.

# For further information

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