

Global Bioenergy Partnership

*Working together to promote bioenergy
for sustainable development*

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Global Bioenergy Partnership (GBEP)

Biofuels and bio-based chemicals

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G8 Commitments and Mandates

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”.*

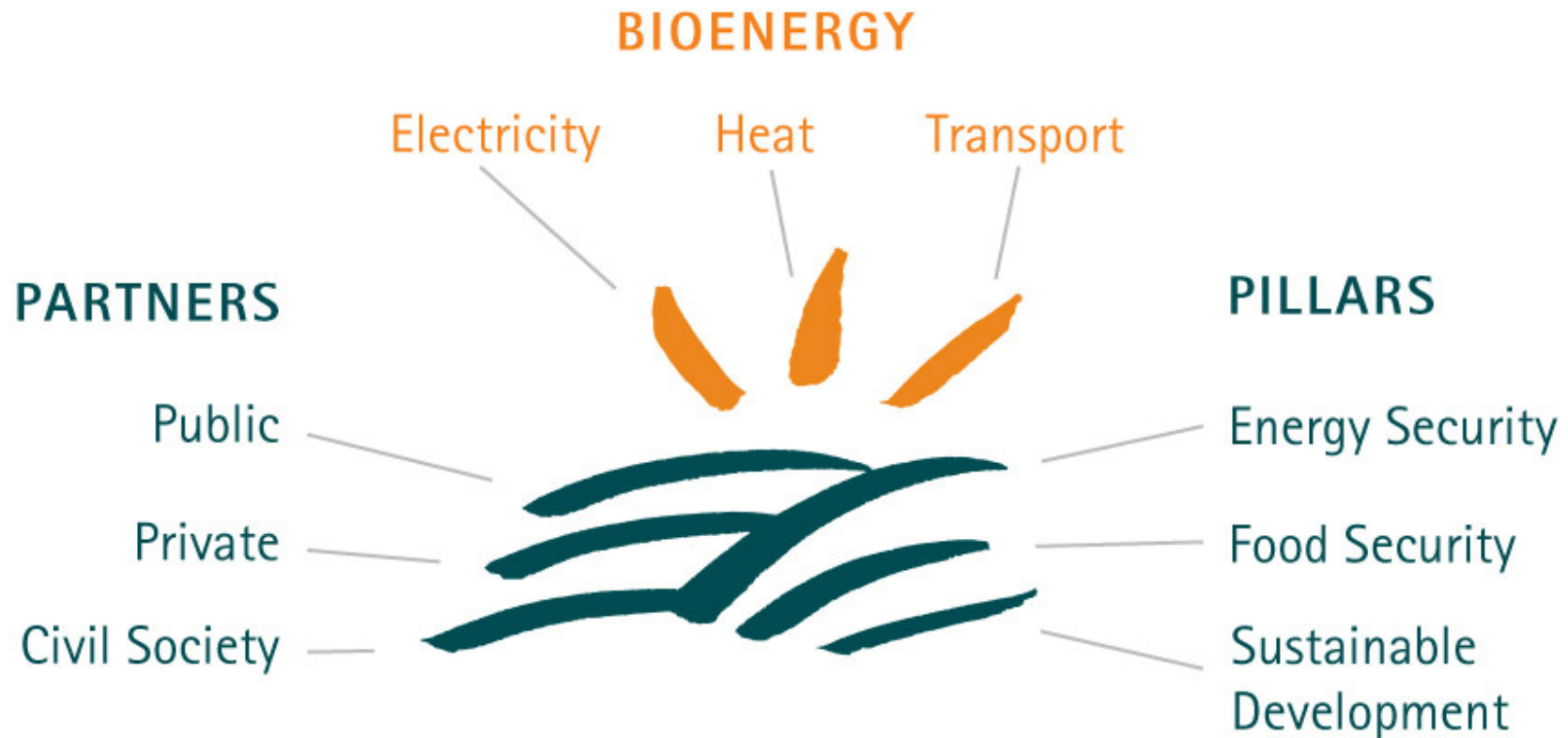
2007 Heiligendamm Summit Declaration:

*“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 – Scope, Partners, Pillars



BIOENERGY: Main Benefits

- **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

- 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 Objectives

- 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

GBEP Programme of Work

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

GBEP Added Value

- 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

SUSTAINABLE DEVELOPMENT OF BIOENERGY

“GBEP Task Force on Sustainability”

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

GBEP Task Force on GHG emission reductions

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

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);
- 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.

GBEP Partners' activities in cooperation

- The **United Nations Foundation** is implementing several activities towards the promotion of bioenergy sustainable development and in particular projects such as "**Bioenergy Evaluation Toolkit**" that enable policymakers in performing socio, economic and environmental analyses before selecting bioenergy policy options.
- **UNCTAD** will finalize by the end of 2008 a research study entitled "**The biofuels market: current situation and alternative scenarios**" with the aim of identifying possible trade scenarios resulting from several policy and technology developments. The assumption is that a number of variables may alter the current status of global production and trade of biofuels. The research will detail the qualitative implications of the variables as well as the quantitative trade implications, in order to better understand the future of the biofuels market.
- **Harvard's University** is running the "**Biofuels and Globalization project**" that examine the trade, economic development, and environmental dimensions of the emerging global biofuels industry. Activities underway include examination of potential implications of increased biofuel trade on the economies of developing countries particularly those in tropical regions.

For further information

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