

How can a competitive market environment for renewables be improved?

The experience of the Global Bioenergy Partnership (GBEP)

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THE GLOBAL BIOENERGY PARTNERSHIP (GBEP)

- GBEP was established to implement the commitments taken by the **G8 in 2005** to **support “biomass and biofuels deployment**, particularly in developing countries where biomass use is prevalent”

GBEP aims mainly to:

- Promote high-level **policy dialogue** on bioenergy and facilitate international **cooperation**;
- support national and regional bioenergy **policy-making** and **market development**;
- favour the transformation of biomass towards more efficient and **sustainable practices**; and
- foster **exchange** of **information**, **skills** and **technologies** through bilateral and multilateral **collaboration**.

GBEP MEMBERSHIP



GBEP SUSTAINABILITY INDICATORS FOR BIOENERGY

ENVIRONMENTAL		ECONOMIC
1. Lifecycle GHG emissions		Productivity
2. Soil quality		Net energy balance
3. Harvest levels of wood resources		Gross value added
4. Emissions of non-GHG pollutants, including air toxics		Change in consumption of fossil fuels and traditional use of biomass
5. Water use and efficiency		Training and re-qualification of the workforce
6. Water quality		Energy diversity
7. Biological diversity in the landscape		Infrastructure and logistics for distribution of bioenergy
8. Land use and land-use change related to bioenergy feedstock production		Capacity and flexibility of use of bioenergy

BARRIERS TO SUSTAINABLE BIOENERGY DEPLOYMENT: POLICY FRAMEWORKS

- Lack of **coordination** among relevant **sectors** and related **policies** and **institutions** (e.g. energy, agriculture, environment, etc.)
- Lack of coherent and stable **policy frameworks**

HOW GBEP HELPS...

Since 2006, GBEP has been fostering **institutional coordination, multistakeholder dialogues** and **policy dialogues** at both national and regional levels

BARRIERS TO SUSTAINABLE BIOENERGY DEPLOYMENT: LACK OF EVIDENCE - POTENTIAL

- Lack of **understanding** of biophysical and especially techno-economic **potential** of bioenergy
- Lack of **evidence-based** bioenergy **policies**



HOW GBEP HELPS...

The GBEP indicators are contributing to the **generation** of this **evidence**

BARRIERS TO SUSTAINABLE BIOENERGY DEPLOYMENT: LACK OF EVIDENCE - SUSTAINABILITY

- Lack of **understanding** of the environmental, social and economic **sustainability** of bioenergy
- Lack of **political support** and **social acceptance**

HOW GBEP
HELPS...

The GBEP indicators are being used to **assess** the **sustainability** of bioenergy production and use

BARRIERS TO SUSTAINABLE BIOENERGY DEPLOYMENT: DATA AND SKILLS

- Lack of effective **strategies** and **mechanisms** for **data collection** and **management**
- Limited **availability** of – and **access** to – **data**
- Lack of **skills** and **capacity** to undertake necessary analysis

HOW GBEP HELPS...

GBEP is **compiling** the necessary **data**, with a view to **filling** data **gaps**, and is **strengthening** the **capacity** of relevant institutions