The contribution 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**. GBEP reports every year to the **G7 and G20**, and receives regular mandates from them.

**Italy** and **Brazil** are currently Chair and co-Chair of the Partnership. The Secretariat is hosted at FAO in Rome.

**38 Partners and 41 Observers** (Governments and International Organizations)
GBEP is a forum where voluntary cooperation works towards consensus amongst its partners in the areas of the sustainable development of bioenergy and its contribution to climate change mitigation.

GBEP’s main priorities:

1. **Facilitating the sustainable development of bioenergy** (Task Force on Sustainability led by Egypt, Italy and Japan)

2. **Facilitating Capacity Building for Sustainable Bioenergy** (Working Group on Capacity Building for Sustainable Bioenergy led by Argentina and ECOWAS)
Bioenergy presents excellent OPPORTUNITIES not without CHALLENGES. SUSTAINABILITY IS KEY to take out the best of opportunities.

The Global Bioenergy Partnership (GBEP) has developed the most widely recognized and agreed set of indicators for the assessment and monitoring of bioenergy sustainability.
GBEP sustainability indicators for all types of bioenergy

**ENVIROMENTAL**

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<tr>
<th>1. Lifecycle GHG emissions</th>
<th>2. Soil quality</th>
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<tr>
<td>3. Harvest levels of wood resources</td>
<td>4. Emissions of non-GHG air pollutants, including toxics</td>
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<td>5. Water use and efficiency</td>
<td>6. Water quality</td>
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<td>7. Biological diversity in the landscape</td>
<td>8. Land use and land-use change related to bioenergy feedstock production</td>
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**SOCIAL**

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<td>11. Change in income</td>
<td>12. Jobs in the bioenergy sector</td>
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<td>13. Change in unpaid time spent by women and children collecting biomass</td>
<td>14. Bioenergy used to expand access to modern energy services</td>
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<td>15. Change in mortality and burden of disease attributable to indoor smoke</td>
<td>16. Incidence of occupational injury, illness and fatalities</td>
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**ECONOMIC**

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<th>17. Productivity</th>
<th>18. Net energy balance</th>
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<td>19. Gross value added</td>
<td>20. Change in consumption of fossil fuels and traditional use of biomass</td>
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<td>21. Training and re-qualification of the workforce</td>
<td>22. Energy diversity</td>
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<td>23. Infrastructure and logistics for distribution of bioenergy</td>
<td>24. Capacity and flexibility of use of bioenergy</td>
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GSI – MNV Tool

Tool to Measure, Notify and Verify (MNV) the achievement of:

• **Nationally Determined Contributions (NDCs)**
  – e.g. to evaluate the effectiveness of adopted P&M and/or the efficient use of funds to achieve reduced GHGs emissions;

• **Sustainable Development Goals (SDGs)**
Implementation of the sustainability indicators
Lessons learnt: need for further guidance

Lessons learnt → further guidance needed

GBEP decided to develop an Implementation Guide in order to provide further guidance on methodological and practical issues related to the implementation of the GSIs.

The Guide includes advice on:

1. **Cross-cutting issues** relevant to implementation of the GSIs
2. **Methodological guidance** for each individual indicator

**First draft of the Implementation Guide is available.** → On the GBEP website as a ‘living document’, to be updated as more guidance is produced from further experience of indicator measurement.
GBEP work on capacity building

Activity Groups

1. **Promoting Sustainable Modern Bioenergy in West Africa** *(leading Partners: U.S. and ECOWAS)* – Contributed to the development of the ECOWAS Regional Strategy on Bioenergy – work finalized in 2013

2. **Raising awareness, and sharing of data and experience on the implementation of GBEP indicators** *(leading Partners: Germany and Indonesia)*

3. **Study tour for capacity building and training** *(leading Partner: Brazil)* – 6 Bioenergy Weeks so far, in different regions of the world

4. **Sustainable modern wood energy development** *(leading Partner: FAO)*


6. **Bioenergy and Water** *(leading Partner: IEA/IEA Bioenergy)* – Work finalized in 2017

7. **Biogas** *(leading Partners: Viet Nam and ECOWAS)* – Established at the end of 2017

8. **Advanced Biofuels** *(leading Partner: U.S.)* – Established at the end of 2018
GBEP main message “Collaboration is key”

If we unite nobody falls
Conclusions

• Bioenergy offers many opportunities to agriculture and forestry sectors

• Sustainability is key

• Monitoring sustainability is a necessary step in order to understand, evaluate and improve the performances of the sector

• GBEP is actively working on the diffusion of sustainability in the processes of production and use of bioenergy resources with several activities and tools, including the GBEP Sustainability Indicators for Bioenergy (GSIs) and its Implementation Guide

• Particularly for policymakers, GBEP represents an important forum for discussion and harmonization of policies
Thank you

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http://www.globalbioenergy.org