

GLOBAL BIOENERGY PARTNERSHIP

GBEP sustainability indicators for all types of bioenergy

ENVIRONMENTAL	SOCIAL	ECONOMIC
1. Lifecycle GHG emissions	9. Allocation and tenure of land for new bioenergy production	17. Productivity
2. Soil quality	10. Price and supply of a national food basket	18. Net energy balance
3. Harvest levels of wood resources	11. Change in income	19. Gross value added
4. Emissions of non-GHG air pollutants, including air toxics	12. Jobs in the bioenergy sector	20. Change in consumption of fossil fuels and traditional use of biomass
5. Water use and efficiency	13. Change in unpaid time spent by women and children collecting biomass	21. Training and re-qualification of the workforce
6. Water quality	14. Bioenergy used to expand access to modern energy services	22. Energy diversity
7. Biological diversity in the landscape	15. Change in mortality and burden of disease attributable to indoor smoke	23. Infrastructure and logistics for distribution of bioenergy
8. Land use and land-use change related to bioenergy feedstock production	16. Incidence of occupational injury, illness and fatalities	24. Capacity and flexibility of use of bioenergy

GBEP “Policy Heritage”

- **ECOWAS** - GBEP supported the development of the **ECOWAS Regional Strategy on Bioenergy** (adopted in 2012 and validated by ECOWAS Governments in 2015)
- **Indonesia** – GSIs measurement contributed to shape the current national policy on Palm Oil Mill Effluent and **methane capture**, setting a target of 60% of the mills to be equipped with this technology by 2030 (10% in 2015).
- **Viet Nam** – GSIs measurement contributed to shaping the current policy: **anaerobic digestion inserted into the INDC** as a method to reduce GHG emissions through treatment and reuse of by-products and waste from agricultural production.
- **Paraguay** – GSIs measurement results contributed to develop the GCF-funded PROEZA (\$90 ml project) to be implemented by FAO to combat climate change, hunger and poverty.
 - GSIs implemented on bioethanol and wood energy sectors → the biodiesel sector in Paraguay has recently requested our support with a sustainability assessment to guide the sector investments and help eliminate current barriers.
- **SSA** – In Togo and Ghana, GBEP has been contributing to the sensitization of stakeholders on the links between wood energy and FLR to be used whilst reviewing/updating their wood energy- and climate-related strategies, such as (I)NDCs.
- **EU** – Roadmaps to facilitate sustainable production and use of biofuels

.....Just to mention a few....