

Global Bioenergy Partnership - GBEP ***Working Together for Sustainable Bioenergy***

Governing sustainability in biomass supply chains for the bioeconomy

23 May 2019 – Utrecht, The Netherlands

Dr. Maria Michela Morese

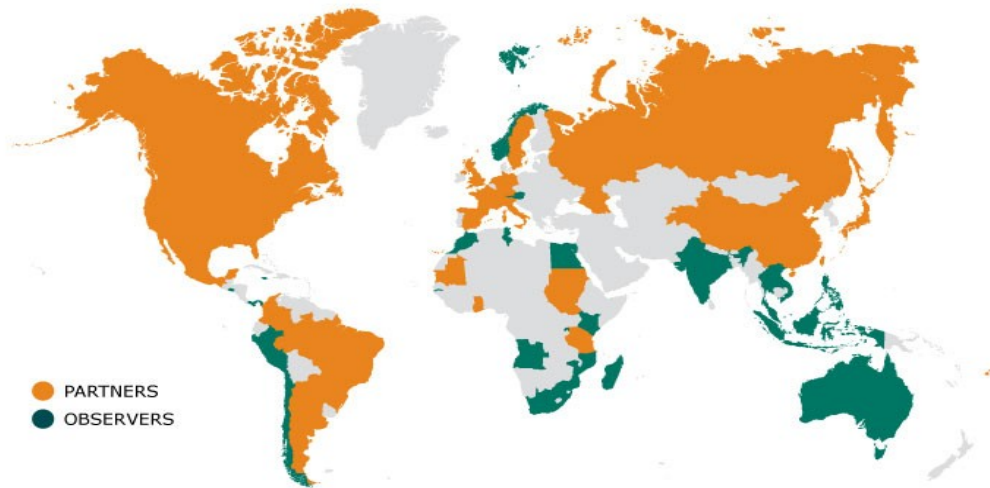
Executive Secretary

Global Bioenergy Partnership

Food and Agriculture Organization of the United Nations (FAO)



The Global Bioenergy Partnership (GBEP)



● PARTNERS
● OBSERVERS



GBEP was established in 2006 to implement the commitments taken by the 2005 **G8 Leaders**. 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)



- SUSTAINABILITY is key - GBEP sustainability indicators for all types of bioenergy

ENVIRONMENTAL		ECONOMIC
1. Lifecycle GHG emissions	<p data-bbox="608 796 1207 935">THE GLOBAL BIOENERGY PARTNERSHIP SUSTAINABILITY INDICATORS FOR BIOENERGY FIRST EDITION</p> 	Productivity
2. Soil quality		Net energy balance
3. Harvest levels of wood resources		Gross value added
4. Emissions of non-GHGs, pollutants, including 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 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

Implementation of the sustainability indicators

ECOFYS

CSQ
sustainable quality CONSULT

NL Agency
Ministry of Infrastructure and the Environment

NL Agency
Ministry of Economic Affairs, Agriculture and Innovation

Implemented the GBEP indicators
Progress of implementation

Pilot
GBEP
for Bio

Pilot
GBEP
for Bio

IINA
International
Institute for
Sustainable
and Strategic

IEE
USP

Análisis de
sostenibilidad
para las ca
base a resis

GBEP Sustainab
for sugc
Project developed by

Propu

Life Cyc
Summary
August, 20

Ministry of Agriculture, Forestry and Fisheries
(PRIMAFF)
2018

INDICADORES GBEP
DE SUSTENTABILIDAD
DE LA BIOENERGIA
EN ARGENTINA

Center for
Life Cycle Assessment
and Sustainable Design

Organización de las Naciones
Unidas para la Alimentación
y la Agricultura

ENVIRONMENT
AND NATURAL
RESOURCES
MANAGEMENT
WORKING
PAPER

70

ENERGY

SOSTENIBILIDAD DE LA BIOMASA
FORESTAL PARA ENERGÍA Y DEL
ETAÑOL DE MAÍZ Y CAÑA DE
AZÚCAR EN PARAGUAY

Resultados y recomendaciones de la implementación de
los indicadores de la Asociación Global de Bioenergía

SUS
ANAL
VAL

Result
imple
Partn

Excerpt from
Update of
the GBEP
Bioenergy


A German cont
Working Group
Global Bioener

on behalf of the
Energy (BMWi)
Federal Minist


Heidelberg, Darmstadt, Berlin
November 2018

Lessons learnt: need for further guidance

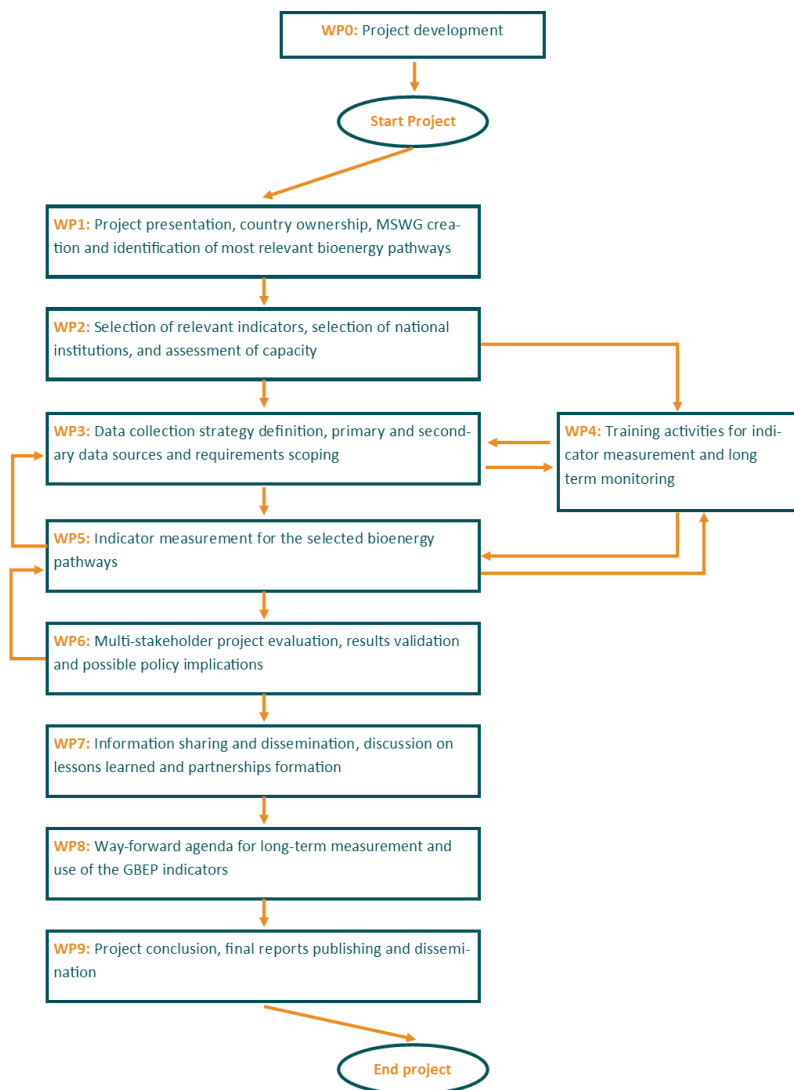
Lessons learnt  further guidance needed

 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:
 - **Cross-cutting issues** relevant to implementation of the GSIs (e.g. integration of **definitions**, guidance on **attribution** of impacts to bioenergy, and information on **best practices**, and a ‘**stepwise approach**’ for GSI project implementation)
 - **Methodological guidance** for each individual indicator

First draft of the Implementation Guide is available  ‘living document’ to be updated as more guidance is produced from further experience of indicator measurement.

Implementation Guide – 1. Cross-cutting issues



Stepwise approach and Gantt chart for implementation of a GSI project

Working Packages	Year 1 Months												Year 2 Months											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
WP1: Project presentation, country ownership, MSWG creation and identification of most relevant bioenergy pathways	█	█	█																					
WP2: Selection of relevant indicators, selection of national institutions, and assessment of capacity		█	█	█																				
WP3: Data collection strategy definition, primary and secondary data sources and requirements scoping					█	█	█																	
WP4: Training activities for indicator measurement and long term monitoring					█	█	█	█	█	█	█	█	█	█	█									
WP5: Indicator measurement for the selected bioenergy pathways						█	█	█	█	█	█	█	█	█	█									
WP6: Multi-stakeholder project evaluation, results validation and possible policy implications												█	█	█	█	█	█							
WP7: Information sharing and dissemination, discussion on lessons learned and partnerships formation																			█	█	█			
WP8: Way-forward agenda for long-term measurement and use of the GBEP indicators																					█	█		
WP9: Project conclusion, and final reports publishing and dissemination																							█	█

Implementation Guide – 2. Individual indicators

Provides guidance on the methodology for each individual indicator under the three pillars:

- gives clarifications to the original GSI report;
- suggests **proxy approaches** to indicator measurement;
- provides further data sources and guidance on data collection; and
- presents guidance on **attribution** relevant for each indicator.

Thank you



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<http://www.globalbioenergy.org>

