

Stepwise Approach

Practical guidance on the implementation of
the GBEP Indicators

Background

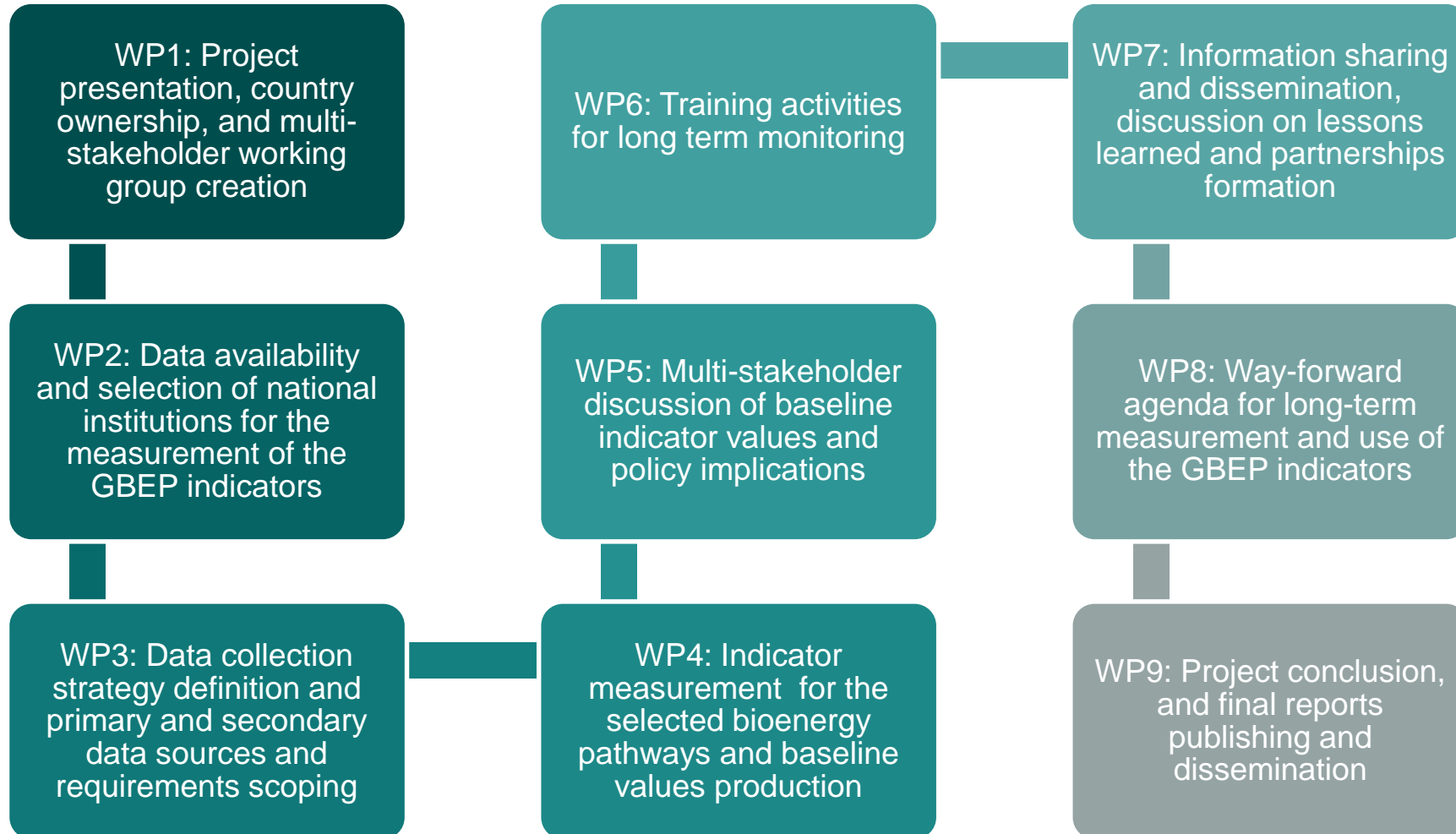
- Enhance practicality of the indicators
- Provide practical guidance on the steps required in order to carry out a project for the implementation of the Indicators
- Based on FAO experiences in Colombia, Indonesia, Paraguay and Viet Nam

Stepwise Approach

- Nine sequential working packages (WPs)
 - results chain
 - details of the activities under each working
 - actors involved

Working Packages	Months												Months											
	Year 1												Year 2											
	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 and multi-stakeholder working group creation	█	█	█																					
WP2: Data availability and country capacity assessment for the measurement of the GBEP indicators		█	█	█	█	█																		
WP3: Data collection strategy definition and primary and secondary data sources and requirements scoping					█	█	█	█	█	█	█													
WP4: Indicator measurements and baseline values production: measurement of all 24 GBEP indicators in the country concerning the selected bioenergy pathways in place and establishment of baseline values							█	█	█	█	█	█	█	█										
WP5: Multi-stakeholder discussion of baseline indicator values and policy implications												█	█	█										
WP6: Training activities for long term monitoring														█	█	█	█	█						
WP7: Information sharing and dissemination, lessons learned discussion 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																					█	█	█	

Working packages



WP1

- Project presentation, country ownership, multi-stakeholder working group creation
- Starting to identify areas for human and institutional capacity development



Example of a stakeholder map

WP2

- Identifying bioenergy pathways
- Determining data availability
- Selection of national institutions for the measurement of the GBEP indicators

Identifying bioenergy pathways and relevant institutional context

- In order to prioritise the bioenergy pathways to be measured, two main actions need to be carried out:
 - A **detailed description of the bioenergy pathways** in the country should be compiled. This should include the main feedstocks and technologies utilised, the volume of production and use of the different types of bioenergy/biofuels considered, and the roles of the different actors along the value chain.
 - **Consideration of institutional context.** A detailed description of the regulatory framework in agriculture, forestry, energy, environment/climate change, etc. should be developed. It is also important to refer to international instruments and agreements (such as the Sustainable Development Goals (SDGs) and the Nationally Determined Contributions under the UNFCCC), and the relationship between the domestic bioenergy sector and related policies and such instruments.
- Once this information has been gathered and presented, the MSWG can determine the bioenergy pathways to be measured.

Guidance on prioritizing bioenergy pathways

WP2

- Identifying bioenergy pathways
- Determining data availability
- Selection of national institutions for the measurement of the GBEP indicators

Choosing national experts and institutions

- The selection of national institutions is of particular importance because these are the institutions that will receive the support and capacity development to monitor the indicators in the future.
- The selection should therefore be as standardised and transparent as possible.
- Criteria for the choice of national institutions could include:
 - Ranking by the number and impact of relevant papers published in international journals;
 - Interviews with scientists/researchers; and
 - Autoevaluation of capacity to measure the GBEP indicators.

Guidance on choosing national experts and institutions

WP3 & WP4

- Data collection strategy definition and primary and secondary data sources and requirements scoping
- Indicator measurement and baseline values production
- Strategy may need to be refined as measurement occurs in order to overcome challenges
- *It may be useful to provide information on the order or flow of measurement of the indicators – linked to the need to develop an excel tool to ensure consistent data collection across indicators*

WP5, 6, 7, 8 & 9

- Multi-stakeholder discussion of baseline indicator values and policy implications
- Training activities for long term monitoring
- Information sharing and dissemination, discussion on lessons learned and partnerships formation
- Way-forward agenda for long-term measurement and use of the GBEP indicators

Stepwise approach for individual indicators

- A format already used for some indicators under the economic sub-group
- A step-by-step guide for each indicator
- This could include the different types of data, when to use proxies, etc.

Next steps

- Inputs on Stepwise Approach presented to be provided by Partners and Observers with experience of implementation
- Potential further guidance:
 - Overview of the possible linkages between indicators, along with a work flow of the order of measurement
 - Guidance on data required for all 24 indicators to ensure data consistency - linked to the need for an Excel and/or web interface based on a computerized model