

9th meeting of the Working Group on Capacity
Building for Bioenergy Sustainability (WGCB)

FAO Project 'Building Capacity to Improve the Sustainability of Bioenergy through the Use of GBEP Indicators'



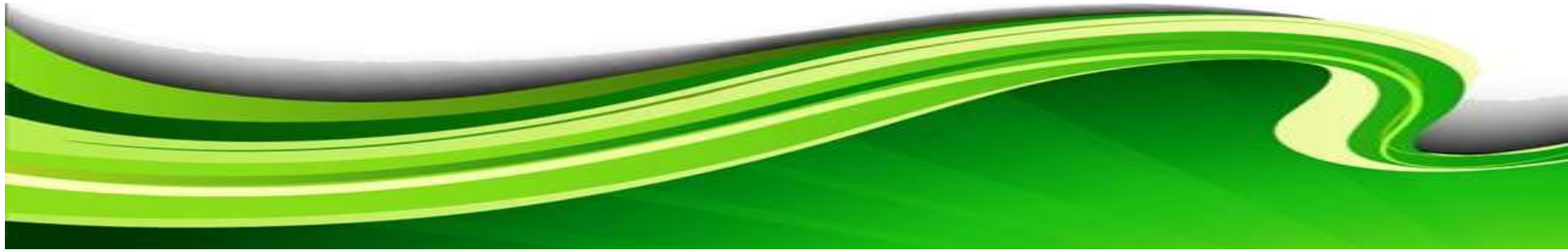
Paraguay



MINISTERIO DE
AGRICULTURA
Y GANADERÍA

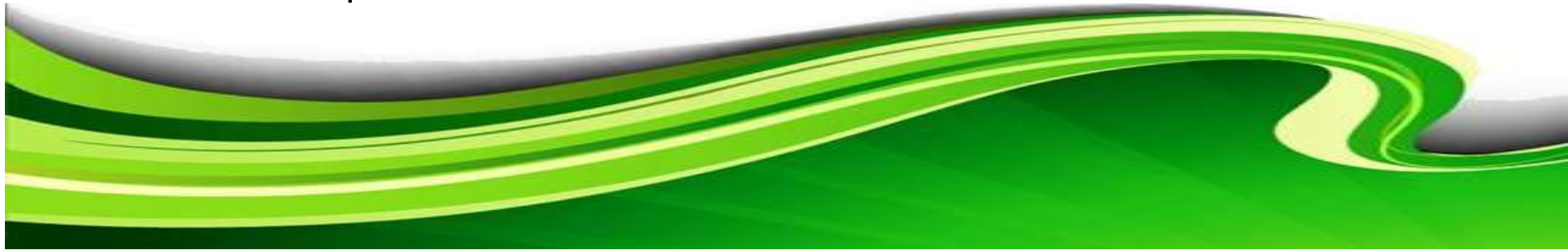
Objectives of the FAO Project 'Building Capacity to Improve the Sustainability of Bioenergy through the Use of GBEP Indicators'

- Evaluate and increase Paraguay's capacity to measure GBEP Indicators and use them to guide State Policies.
- Learn lessons on how to apply the Indicators as a tool for sustainable development and how to increase the practicality of the tool.
- Establish the bases for the constitution of a National Platform for the long-term monitoring of the sustainability of Bioenergy.
- Advise Policymakers and engage stakeholders in Good Bioenergy Practices to maximize sustainability and contribute to Adaptation to Climate Change.



To achieve the Objectives, the Project must:

- Familiarize the Actors with the Indicators and associated key concepts.
- Evaluate the availability of data and human and institutional capacity.
- Adapt the Methodologies to measure the Indicators to local conditions.
- Define the strategy for data collection and to fill the main gaps.
- Establish a baseline for the Indicators.
- Identify training needs and help Paraguay measure indicators periodically.
- Facilitate the discussion among the stakeholders on the value of the baseline, the indicators and their implications for energy policies in the coming years.
- Evaluate the practice of the GBEP tool and suggest recommendations for its improvement and future use.

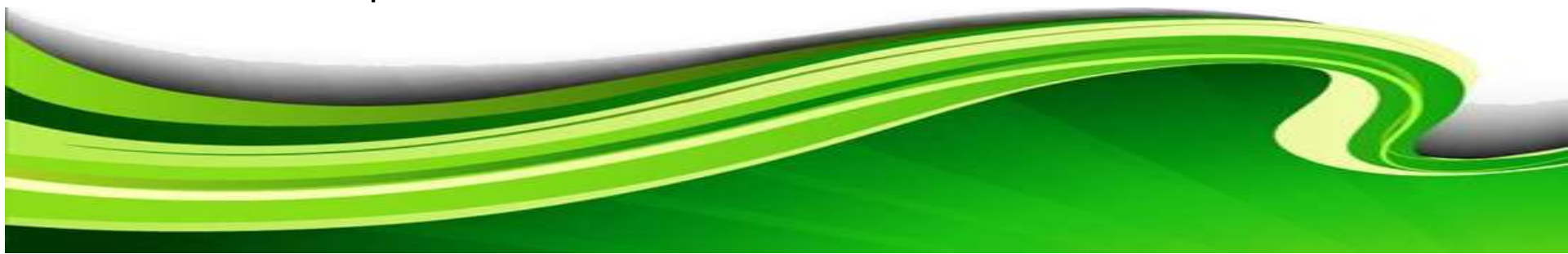


Constitution of the Multi-Stakeholder Working Group

- Within the framework of the Project, public, private and academic institutions whose activities have to do with the objective and development of the Project have been selected.

The list of them includes among others:

- Ministry of Agriculture and Livestock
- Industry and commerce ministry
- Vice Ministry of Mines and Energy
- Ethanol Producers, Sugar Cane Producers, Fuel Distributors
- PETROPAR
- INFONA, FEPAMA in the forest area
- Faculty of Agricultural Sciences of UNA
- Appropriate Technologies Center of the UCA
- CEAMSO
- PTI Itaipu



Prioritized bioenergy pathways

1. Bio-Ethanol production from:

- Sugarcane;
- Maize.

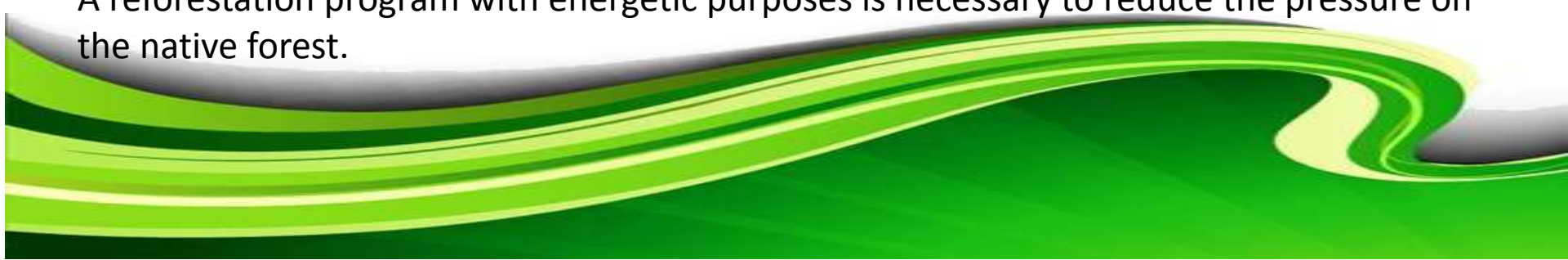
2. Woody biomass for modern bioenergy production

- Paraguay has **one of the highest mandate for bioethanol use in the transport sector** in the world (25% that will further increase up to 27% in 2018);
- Paraguay in the last decade was one of the Countries **with the Highest Deforestation Rates in the World:**

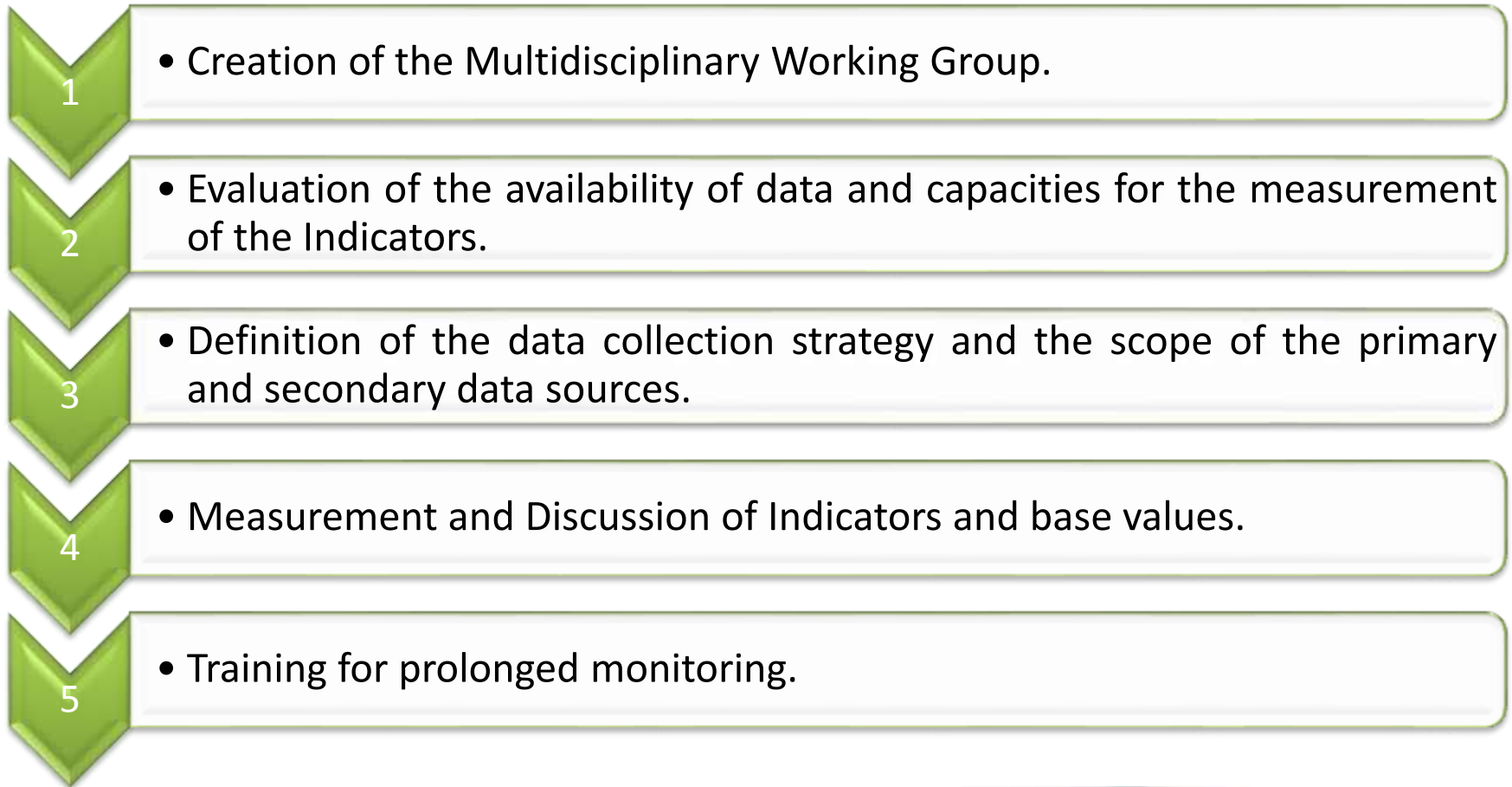
1990-2011: 318,480.6 ha/year;

2014: 287,000 ha/year.

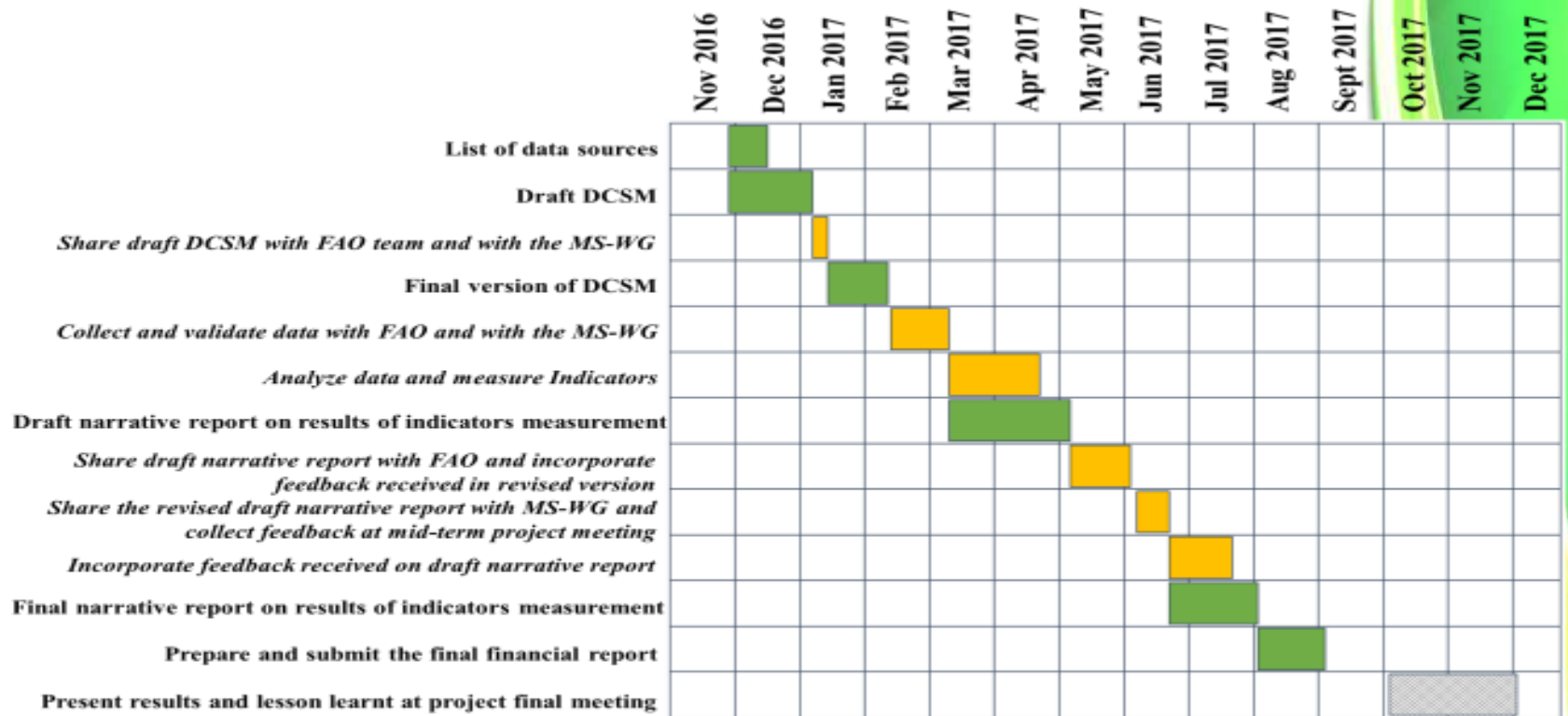
A reforestation program with energetic purposes is necessary to reduce the pressure on the native forest.



Measurement of Sustainability Indicators. Phases



Cronograma del Proyecto



Legend:

DCSM: Data Collection Strategy and Methodology
MS-WG: Multistakeholder Working Group

* Including a short explanation on the reasons why indicator #16 (Incidence of occupational injury, illness and fatalities) is not relevant for the selected bioenergy pathways in Paraguay

The Final Document will be finalized for April 2018, and aims to be a source and support for the design and execution of State Policies on the matter. The timing is very timely because it coincides with the start of a new government, in 2018 we will be with general elections.

Activities carried out within the framework of the Project

- Initial Meeting with the Working Group (July 2016)
- Follow-up meeting with the Working Group (December 2016)
- Selection of Priority Bioenergetic Processes and Relevant Indicators (December 2016)
- Selection of the Centers of Excellence that will carry out the Project (December 2016):
 - CEAMSO
 - ADIFCA (FCA-UNA)
 - CTA (UCA)
- Presentation of Products 1 and 2: Bibliography and sources of information, and Strategy and Methodology for the Collection of Data (March 2017)

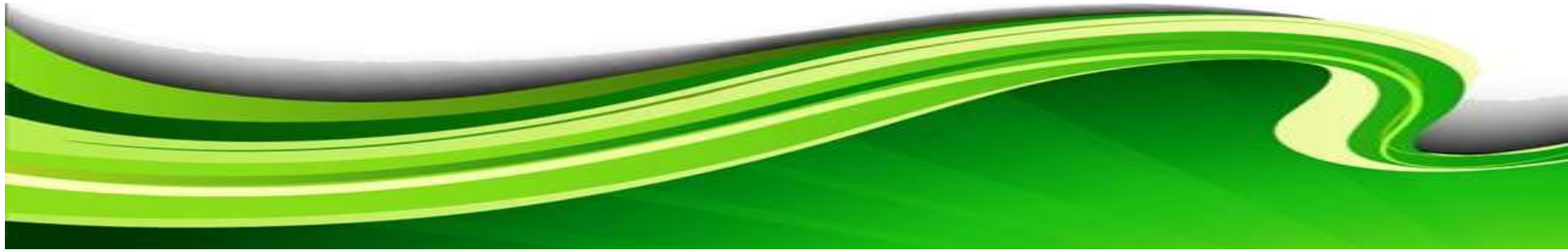


- Meeting of the Multidisciplinary Working Group of the Project on Sustainability in the Production and Use of Bioenergy - FCA - April 2017.
- Meeting of the Multidisciplinary Working Group of the Project on Sustainability in the Production and Use of Bioenergy - August 2017 Introductory Course Measurement of the "GBEP indicator 10" with the AGLINK-COSIMO model. To be held in December 2017.
- Regional workshop Sustainable Bioenergy Production and Use in the Americas: Lessons Learned and Future Opportunities. To be held in December 2017
- Meeting of the Multidisciplinary Working Group: Validating and Interpreting the Results of the Measurement of the GBEP Indicators to be carried out in December 2017.



Conclusions

- Through this exercise you can conclude as follows:
- It is necessary to reinforce information management, considering that there are data that can be applied to the indicators, but they are dispersed.
- It is planned to promote a meeting between the Centers of Excellence and the Agricultural Census Directorate in order to include within the census matrix to be used in the next national agricultural census 2018/2019 data related to the indicators of the sustainability of bioenergy.
- A meeting between the centers of excellence and the institutions responsible for measuring the SDG indicators could also be promoted, in order to coordinate activities.
- This is Paraguay's experience in the application of the GBEP indicators and the results achieved.





THANK YOU !!!!

