



9th Bioenergy Week and Study Tour for Capacity Building

Asunción, Paraguay

Grand Hotel del Paraguay

26-29 September 2022

Concept note and agenda

Supported by and in collaboration with:

Ministry of Agriculture and Livestock, Ministry of Industry and Trade, and the Vice Ministry of Energy and Mines of Paraguay, and FAO Paraguay

In cooperation with:

Mercado Común del Sur (MERCOSUR) and The Inter-American Institute for Cooperation on Agriculture (IICA)

With support of:

US Grains Council

1. Background

The 9th Bioenergy Week of the Global Bioenergy Partnership (GBEP) will be held in Asunción, Paraguay, from 26 to 29 September 2022.

GBEP has been holding the GBEP Bioenergy Weeks since 2013, with the first one held in Brazil, followed by the second in Mozambique in 2014, the third edition in Indonesia in 2015, and the fourth Bioenergy Week in Budapest in June 2016. The GBEP Working Group on Capacity Building (WGCB), under the co-leadership of ECOWAS and Argentina, have stressed the enormous added value of this first cycle of regional events in terms of capacity building and information sharing, and expressed the willingness and need to continue this activity with a second cycle of regional Bioenergy Weeks. As such, the fifth Bioenergy Week was held in the ECOWAS region, in Ghana in 2017, the sixth in Argentina in 2018, the seventh in the Philippines in 2019. In 2021, the third cycle of regional Bioenergy Weeks started with the eighth edition held in Ethiopia.

The 2022 Bioenergy Week will enhance learning from positive experiences on sustainable production and use of bioenergy looking at various value chains with a special focus on energy transition, and to support the design and implementation of bioenergy policies in the Americas. Furthermore, it will provide the opportunity to continue a dialogue with the private sector and other stakeholders on ways to improve mutual cooperation towards a more sustainable production and use of bioenergy.

2. Objectives

The 2022 Bioenergy Week is organized to foster discussion and exchange of experiences and skills that have been proven to showcase the practicality of sustainable bioenergy services and to support its accelerated implementation in the Americas. It will serve as an avenue for strengthening cooperation between member states and established institutions for increasing the provision of sustainable energy services.

Specifically, the Forum aims to:

- Demonstrate the state of global and regional bioenergy, policies and regulations;
- Present the state of the regional bioenergy situation and efforts to further enhance the share of bioenergy within the regional energy mix;
- Discuss successful, replicable bioenergy systems that provide sustainable modern energy services, with a special focus on energy transition;
- Showcase available technologies, R&D, feedstocks and financial instruments of partners and investment firms; and
- Provide a platform to the private sector in order to facilitate a viable bioenergy market in the region.

GBEP Working Group on Capacity Building (WGCB)

Study tour for capacity building and training (Activity Group 3)

Agenda for the 9th Bioenergy Week

DAY 1 26 SEPTEMBER	DAY 2 27 SEPTEMBER	DAY 3 28 SEPTEMBER	DAY 4 29 SEPTEMBER
<p>HIGH LEVEL OPENING Welcome Speeches</p> <p align="center">***</p> <p>Global, regional and national policies</p> <p>State of the art, challenges and lessons learned</p> <p align="center">***</p> <p>Promotion of Bioenergy in Paraguay</p>	<p>ROLE OF BIOFUELS IN THE ENERGY TRANSITION</p> <p>Panel I - Long-term planning and biofuel's role in the face of market oscillations</p> <p>Panel II - Biofuels, batteries or both? The future profile of sustainable low-carbon mobility in Latin America</p>	<p>BIOGAS AND BIOMETHANE Exchange of experiences and opportunities on biogas and biomethane</p> <p align="center">***</p> <p>BIOENERGY IN THE CONTEXT OF THE BROADER BIOECONOMY</p>	<p align="center">Field Visit</p>
Lunch	Lunch	Lunch	Lunch
<p>WOOD ENERGY AND LAND RESTORATION Exchange of experiences and opportunities on links between wood energy and land restoration. Under each session speakers will be invited to make cross cutting references to sustainability and to value chains approaches, challenges and opportunities.</p> <p>GBEP Youth Award (Call for papers for students in the Americas)</p>	<p>ROLE OF BIOFUELS IN THE ENERGY TRANSITION (continued)</p> <p>Panel III - Global market opportunities in sustainable aviation fuels and other new biofuels</p>	<p>ROUNDTABLE DISCUSSION WITH POLICY MAKERS, BUSINESS SECTOR AND INTERNATIONAL BANKS/FUNDS</p> <p align="center">***</p> <p>KEY MESSAGES AND CONCLUSIONS</p>	<p align="center">Field Visit (cont'd)</p>
Welcome Reception (TBC)			

Monday, 26 September 2022

08.30 – 09.00 **Registration of participants**

09.00 – 09.45 **Opening and Welcome Remarks**

Moderator: Maria Michela Morese, Executive Secretary, Global Bioenergy Partnership

- *Luis Alberto Castiglioni, Minister of Industry and Trade, Paraguay*
- *Santiago Moisés Bertoni, Minister of Agriculture and Livestock, Paraguay*
- *Jorge Meza, FAO Representative in Paraguay*
- *Amb. Jose Antonio Marcondes de Carvalho, Embassy of Brazil in Paraguay, Co-Chair of the Global Bioenergy Partnership (GBEP)*

09.45 – 10.45 **Global, regional and national policies**

Moderator: Guillermo Parra, DICAPAR

- *IEA global vision on bioenergy to accelerate deployment
Paolo Frankl, International Energy Agency (IEA)*
- *Bioenergy's role in the World Energy Transition Outlook (WETO)
Ricardo Gorini, International Renewable Energy Agency (IRENA)*
- *Bioenergy regulatory frameworks in Latin America and the Caribbean
Ruben Contreras, CEPAL*
- *Overview of the bioenergy regulatory framework in Paraguay
Francisco Ruiz Diaz, Vice Minister of Industry and Trade, Paraguay
Ing. Gustavo A. Cazal, Vice Minister of Mines and Energy, Paraguay*

10.45 – 11.15 **Coffee break**

11.45 – 12.45 **Promotion of Bioenergy in Paraguay**

Moderator: Cecilia Llamosas, Paraguay

- *Bioenergy development in Paraguay
José Kim, Ministry of Industry and Trade, Paraguay
Gustavo Cazal, Vice Ministry of Mines and Energy, Paraguay
Antonella Piacentini, Ministry of the Environment and Sustainable Development, Paraguay*
- *Rapid implementation of the GBEP sustainability indicators on soy based biodiesel in Paraguay - Results
Amado Insfran and Héctor Corvalán, CEAMSO*
- *Q&A*

12.45 – 14.00	Lunch
14.00 – 16.00	<p>Wood energy and land restoration <i>Moderator: Enrique Benitez León, Director de la Carrera de Ing. Forestal UNA</i></p> <p>This session will look at the potential for positive linkages between wood energy and land restoration. There will be a focus on understanding how wood energy value chains can be developed and managed in order to restore not only forests but also other landscapes, especially through the use of sustainable forest management, integrated biomass production systems, the exploitation of bioenergy by-products, and improvements in bioenergy efficiency.</p> <ul style="list-style-type: none"> • Potential contribution of bioenergy, as part of the broader bioeconomy, to the UN Decade on Ecosystem Restoration <i>Annette Cowie, University of New England, Australia</i> • Short rotation woody crops and their contribution to land restoration <i>Ronald Zalensy, USDA Forest Service</i> • Green Cooking: use of upgraded biomass in gasification cookstoves as an alternative to open fires <i>Christian Rakos, Chairman, World Bioenergy Association</i> • Integration of forest biomass procurement as a silvicultural tool for forest restoration in Quebec, Canada <i>Prof. Evelyne Thiffault, Natural Resource Canada, Canada</i> • The GCF PROEZA project in Paraguay <i>Adilio Celle Infrán, Vice Minister of General Economic and Social Coordination, Paraguay</i> • Indigenous sustainable forest management and biochar in LAC <i>Representative Forest Trends and COICA/AMPB</i> • Q&A session
16.00 – 16.20	Coffee break
16:20 – 17:00	<p>GBEP Youth Award <i>Moderator: Maria Michela Morese, Executive Secretary, Global Bioenergy Partnership</i></p> <ul style="list-style-type: none"> • UNICEF engagement on youth and environment <i>Mr. Rafael Obregón, Representative of UNICEF in Paraguay</i> <p><i>Delivery of the award certificate to the winner of the 2022 GBEP Youth Award in recognition of the most remarkable and outstanding research work in the field of bioenergy carried out by students in the Americas.</i></p>

- Presentation of the awarded research
Winner of GBEP Youth Award

17.30 – 21.00 **Reception (TBC)**

Tuesday, 27 September 2022

- 09.00 – 09.30 **Role of biofuels in the energy transition**
Moderator: Nikolai Guchín, ANCAP, Uruguay
 Introductory remarks (7' each)
- *Miguel Almada*, Coordinator of Bioenergy, Secretariat of Agriculture, Livestock and Fisheries, Argentina
 - *Fábio Vinhado*, Director, Department on Biofuels, Ministry of Mines and Energy, Brazil
 - *Victorio Oxilia*, Paraguay
 - *Wilson Sierra*, Director of Renewable Energies, Directorate of Energy, Ministry of Industry, Energy and Mining, Uruguay
- 09.30 – 11.00 ***Panel I - Role of biofuels in the energy transition - Long-term planning and biofuel's role in the face of market oscillations in Latin America***
Moderator: Nikolai Guchín, ANCAP, Uruguay
Keynote speeches (10' each)
- *Plinio Nastari*, President DATAGRO, Brazil
 - *Estefania Laterza*, Vice Minister of the Investment and Export Network (REDIEX), Paraguay
 - *Massimiliano Corsi*, President BIOCAP, Paraguay
 - *Diego Roger*, Director of Biofuels, Ministry of Energy and Mines, Argentina
- Panel discussion (5' each and 30' debate)*
Moderator: Nikolai Guchín, ANCAP, Uruguay
- *Miguel Almada*, Coordinator of Bioenergy, Secretariat of Agriculture, Livestock and Fisheries, Argentina
 - *Marlon Arraes*, Ministry of Mines and Energy, Brazil
 - *Cecilia Llamosas*, Paraguay
 - *Wilson Sierra*, Director of Renewable Energies, Directorate of Energy, Ministry of Industry, Energy and Mining, Uruguay
- Moderated debate
- 11.00 – 11.30 **Coffee break**
- 11.30 – 13.00 ***Panel II - Role of biofuels in the energy transition - Biofuels, batteries or both? The future profile of sustainable low-carbon mobility in Latin America***

Moderator: Renato Domith Godinho, Head of Renewable Energy Resources
Keynote speeches (15' each)

- *Pablo Di Si*, Executive Chairman, Volkswagen Latin America
- *Fitzgerald Cantero*, Director, Directorate of Energy, Ministry of Industry, Energy and Mining, Uruguay

Panel discussion (5' each and 40' debate)

Moderator: Renato Domith Godinho, Head of Renewable Energy Resources Division, Ministry of foreign Affairs, Brazil

- *Miguel Almada*, Coordinator of Bioenergy, Secretariat of Agriculture, Livestock and Fisheries, Argentina
- *Marlon Arraes*, Ministry of Mines and Energy, Brazil
- *Adilio Celle Insfrán*, Paraguay
- *Wilson Sierra*, Director of Renewable Energies, Directorate of Energy, Ministry of Industry, Energy and Mining, Uruguay

Moderated debate

13.00 – 14.30 **Lunch**

14.30 – 16.00 ***Panel III - Role of biofuels in the energy transition - Global market opportunities in sustainable aviation fuels and other new biofuels***

Moderator: Representative ALTA, TBD

Keynote speeches (10' each)

- *Representative of the Omega Green Project*, Paraguay
- *Fábio Vinhado*, Director, Department on Biofuels, Ministry of Mines and Energy, Brazil
- *Augustín Torroba*, International Expert on Bioenergy, OEA-IIICA

Panel discussion (5' each and 40' debate)

Moderator: Representative ALTA, TBD

- *Representative Argentina, tbc*
- *Renato Dutra*, Coordinator of Biodiesel, Ministry of Mines and Energy, Brazil
- *Victorio Oxilia*, Paraguay
- *Wilson Sierra*, Director of Renewable Energies, Directorate of Energy, Ministry of Industry Energy and Mining, Uruguay

Moderated debate

Wednesday, 28 September 2022

09.00 – 10.30 **Exchange of experiences and opportunities on biogas and biomethane**
Moderator: Shaun Patrick McGahan, University of San Lorenzo, Paraguay

This session will enable exchange of experiences on biogas and biomethane both within the region and beyond.

- Hydrogen production from biomass and biogas in Brazil
Alessandro Gardemann, ABIOGAS, Brazil
Suani Coelho, University of Sao Paulo (USP), Brazil
- Enabling communities in the Philippines – Biogas production from rice straw
Mirjam Röder, Aston University, UK and Craig Jamieson, Straw Innovations Ltd.
- Anaerobic digestion in rural communities: sugarcane bagasse, cheese whey and pig manure as case studies
Liliana Castro, Universidad de Santander, Colombia
- The experience of Paraguay
José Bogarin, Director ITAIPU Paraguay
- Biogas done right
Representative tbc
- Q&A session

10.30 – 11.00 **Coffee break**

11.00 – 12.30 **Bioenergy in the context of the broader bioeconomy**

Moderator: Agustín Torroba, IICA

- Situation and perspectives of the bioeconomy in Latin America and the Caribbean
Hugo Chavarría, IICA
- The role of biofuels in the framework of the national bioeconomy strategy
Jeans Mesa, Fedepalma, Colombia
- The role of biofuels in the framework of the national bioeconomy strategy
Guillermo Ferrer, Vice Director, Directorate of Energy, Ministry of Industry, Energy and Mining, Uruguay
- Biofuels as drivers of economic, social and environmental development of rural territories - challenges and opportunities
Jorge Feijoo, President, Centro Azucarero Argentino
- The role of biofuels in the framework of the national bioeconomy strategy
Pedro Mancuello, Vice Minister of Industry and Trade, Paraguay
- The role of the GBEP sustainability indicators as a contribution to bioeconomy
Maria Michela Morese, GBEP Executive Secretary

	<ul style="list-style-type: none"> • <i>Q&A session (40')</i>
12.30 – 14.00	Lunch
14.00 – 15.30	Roundtable discussion: Challenges and opportunities for the development of bioenergy <i>Moderator: Gerard Ostheimer, co-Manager of the Biofuture Campaign</i> <ul style="list-style-type: none"> • The Role of Biofuels on The Road to Net-Zero: Decarbonizing transport with readily available solutions in a cost-efficient way <i>Mackenzie Boubin, U.S. Grains Council, USA</i> • Biofuel blending programme in Central American region <i>Aida Lorenzo, Renewable Fuel Association, Guatemala</i> • Building supply and demand for sustainable sugarcane products & derivatives <i>Miguel Hernández, Bonsucro</i> • Advanced biofuels industrial deployment: key factors <i>Pierluigi Picciotti, Versalis</i> • The experience of Clariant <i>Clariant</i> • Financing Development of Bioenergy <i>Representative from Inter American Development Bank</i> • The experience from Paraguay <i>Enzo Olmedo, INPASA, Paraguay</i> <i>Carlos Morínigo, NEUALCO, Paraguay</i>
15.30 – 16.00	Coffee break
16.00 – 16.30	Roundtable: Challenges and opportunities for the development of bioenergy (cont'd) <ul style="list-style-type: none"> • <i>Q&A session</i>
16.30 – 17.00	Conclusions and closing remarks <ul style="list-style-type: none"> • <i>Representative/s from Paraguay</i> <ul style="list-style-type: none"> • <i>Minister of Ministry of Agriculture and Livestock, Paraguay</i> • <i>Minister of Ministry of Industry and Trade, Paraguay</i> • <i>Vice minister of Mines and Energy</i> • <i>Maria Michela Morese, GBEP Executive Secretary</i>
Thursday, 29 September 2022	
08.00 – 16.00	Field visit Biofuel plant IMPASA in Guayaibi (2-hour distance from Asunción)