



**United
Nations**



HIGH-LEVEL DIALOGUE ON
ENERGY
UNITED NATIONS, NEW YORK, SEPTEMBER 2021

Ministerial Thematic Forums

21 – 25 June 2021

Event name: “Energy Transition and Diversification of Sources with Biogas”

Event date and time: 06/22/2021 - 15h15 to 16h30 EST

Organizers:

- Rogério Meneghetti – ITAIPU Binational
- Rafael González - International Center for Renewable Energies and Biogas (CIBiogás)
- Barbara Silva Belquior - Brazil Ministry of Mines and Energy (MME)

Number of participants: 12 speakers;

Main speakers and brief summary [max 300 words]:

- José Mauro Coelho, Secretary of Petroleum, Natural Gas and Biofuels of the Ministry of Mines and Energy;
- Paulo César Rezende De Carvalho Alvim, Secretary of Entrepreneurship and Innovation of the Ministry of Science, Technology and Innovation;
- General Luiz Felipe Kraemer Carbonell, Coordination Director at Itaipu Binacional;

The preservation of biodiversity and the management of waste in an intelligent way contribute significantly to improve the quality of life of our society, as well as ensuring that the country's development happens in a sustainable way. Biogas is an asset for energy transition because it contributes to the preservation of the environment and to the increase in quality of life through the transformation of natural resources and biomass from production chains waste into products with energetic value.

Biogas is a clean and renewable energy source, and has as its main objective the transformation of environmental liabilities into energetic assets (electrical, thermal and vehicular). Other than promoting residual treatment for waste deriving from agribusiness activities, urban solid waste and sewage, biogas decentralizes energy, stimulates local bioeconomy - with the strong features as a non intermittent, safe and

high quality source - and positively impacts the environment, social development and economic competitiveness.

Currently, in Brazil there are 675 operating biogas plants with the estimated production of 2,22 billions of m³/per year, treating different biomass sources that are able of generating electric/thermal energy and biomethane.

Production flexibility with several types of biomass makes biogas a highly viable option. This source of energy comes to complement other renewable sources, such as solar, wind, hydro and hydrogen, which is an important step towards the diversification of sources in the Brazilian energy matrix.

This event presents the Brazilian experience with biogas, which has been contributing to diversify the country's energetic matrix.

Key outcomes [max 100 words]:

This event brought together actors from different sectors in Brazil and provided a debate on the use of biogas for energy transition and diversification of sources, exposing Brazilian experiences and perspectives for this market in the country. The event had more than a hundred live spectators, who interacted and asked questions about the development of this energy source, which contributed directly to the fortification of SDG 7: Affordable And Clean Energy, as well as indirectly to SDG 17: Partnerships For The Goals.

Links to livestream recording/website/social media:

<https://www.youtube.com/watch?v=jSFhPiqok78>

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Coordination Director at Itaipu Binacional

**General Luiz Felipe
Kraemer Carbonell**

I would like to thank you
on behalf of Itaipu and,

 **ITAIPU BINA**
DIRETORIA DE COORDENAÇÃO

CEO at International Center for
Renewable Energies and Biogas (CIBiogás)

Rafael González

it is a great pleasure to be here
representing CIBiogás at this Side Event.