



BIOELECTRICIDAD
INDUSTRIAL

Project: Bioelectricidad Industrial Dominican Republic

Latin American & Caribbean Climate Week
August 23, 2018
Montevideo. Uruguay.



Background

- Free Zones Industries in Dominican Republic: Oil and electricity prices.
- Law No. 57-07: On incentives to the Development of Renewable Energy Sources and their Special Regimes and its procedure No. 202-08: Energy matrix diversification.
- Biomass in Dominican Republic: Agricultural residuals, wood chips and pellets, biomass of wood pruning or forest waste and residuals of agroindustrial activities.



GEF-5 project: Stimulating industrial competitiveness by generating electricity connected to the grid from biomass

Objective	To promote the implementation of decentralized, biomass-based energy production in industrial free zones in the Dominican Republic with the aim of reducing GHG emissions, while contributing to their competitiveness.
Counterparts	National Energy Commission (CNE), National Council of Free Trade Zones (CNZFE), Ministry of Energy and Mines, Ministry of Environment and Natural Resources.
Financial resources	A total of US\$8,920,000 . US\$1,300,000 from the GEF grant.
Implementation period	January 2014 - December 2019



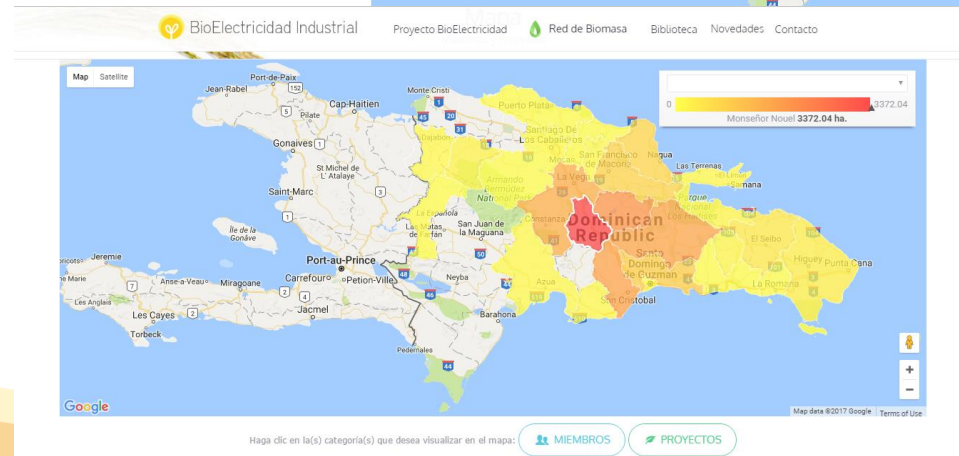
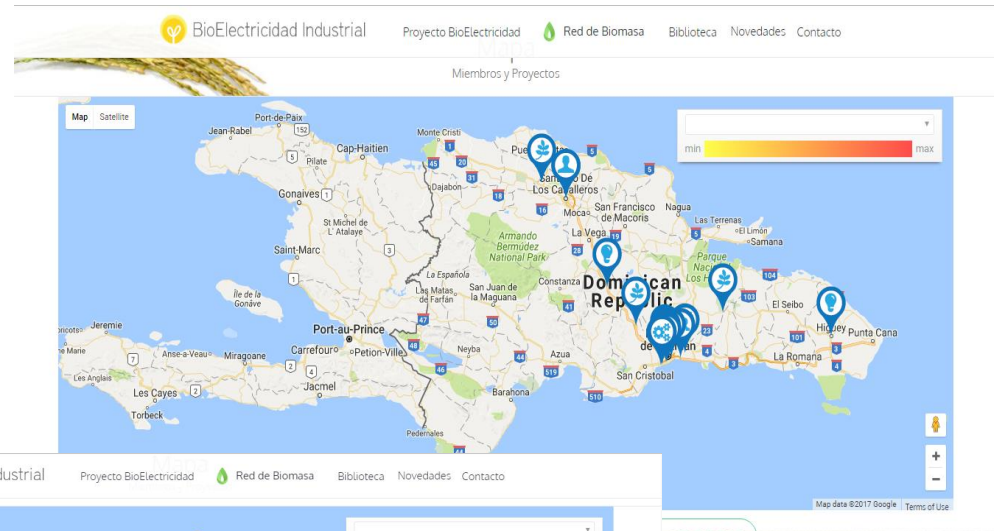
Technological and policy evolutions for waste-to-energy solutions

- Incentives through laws 57-07 and 115-15:
 - a. Energy projects created for the production of electricity from solid waste may be developed with cogeneration technology or hybridized with natural gas, hydrogen or other fuel that ensures compliance with applicable environmental standards, provided that the facility produces at least 50% of energy from the cycle using the waste as a primary energy source.
 - b. 100% exemption on machinery and equipment of the Tax on the Transfer of Industrialized Goods and Services (ITBIS) and all taxes on the final sale.
- Priority of incorporation and dispatch within the National Integrated Energy System.



Enablers

- Availability of Biomass
- Transportation
- Access to mature technology
- Permits



Biomass plant of the Navarrete Free Zone



Lessons Learned

I. Potential pilots:

Santiago Free Zone

- a. Instability of oil prices
- b. Biomass availability and quality
- c. Biomass transportation issues
- d. Cheaper alternative: Solar PV

Navarrete Free Zone

- a. Already had a working biomass plant
- b. Is functioning as an intermediary and biomass consumer.
- c. It is cheaper for them to produce vapor instead of energy.

II. Reaching out to different stakeholders:

- a. Rice producers
- b. Website
- c. Roster through the website of: Producers, intermediaries, consumers

III. Involvement of the government sector



Thank you for your attention!

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