

# Brazil / ABiogas

## Brazilian Biogas Association

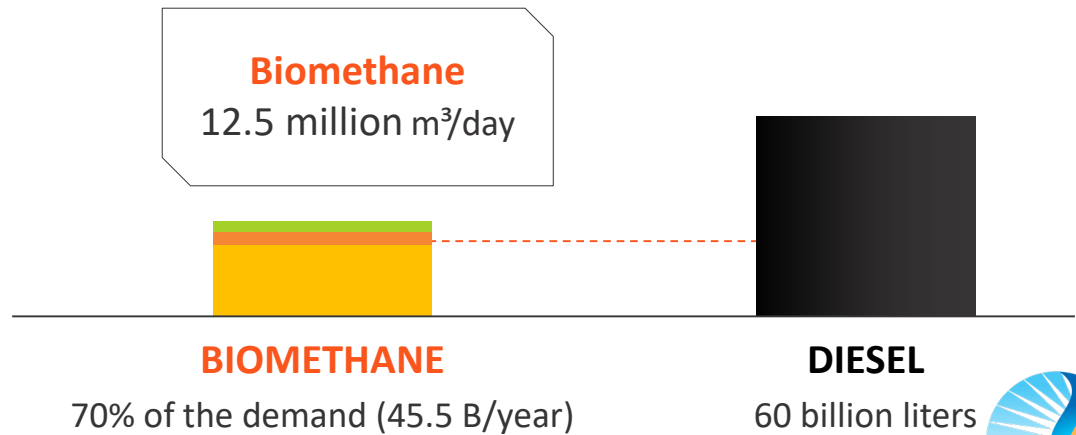
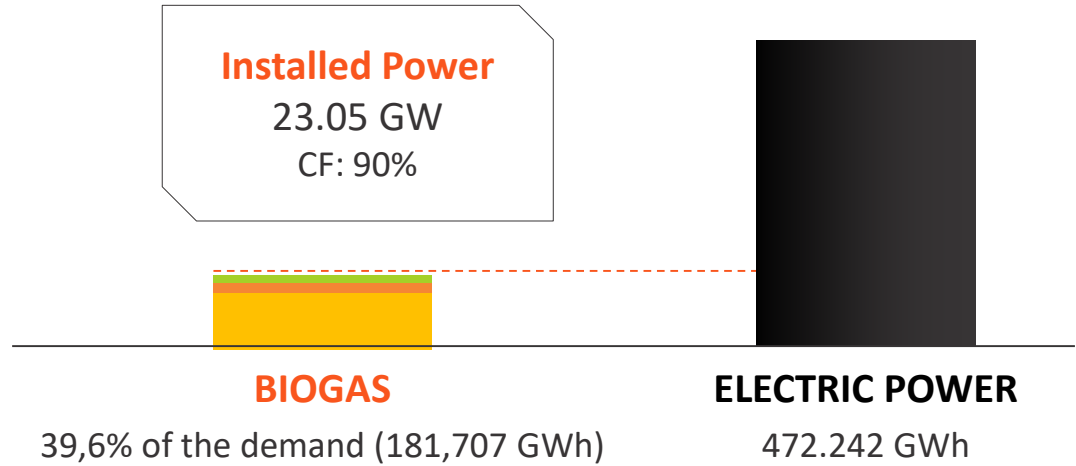
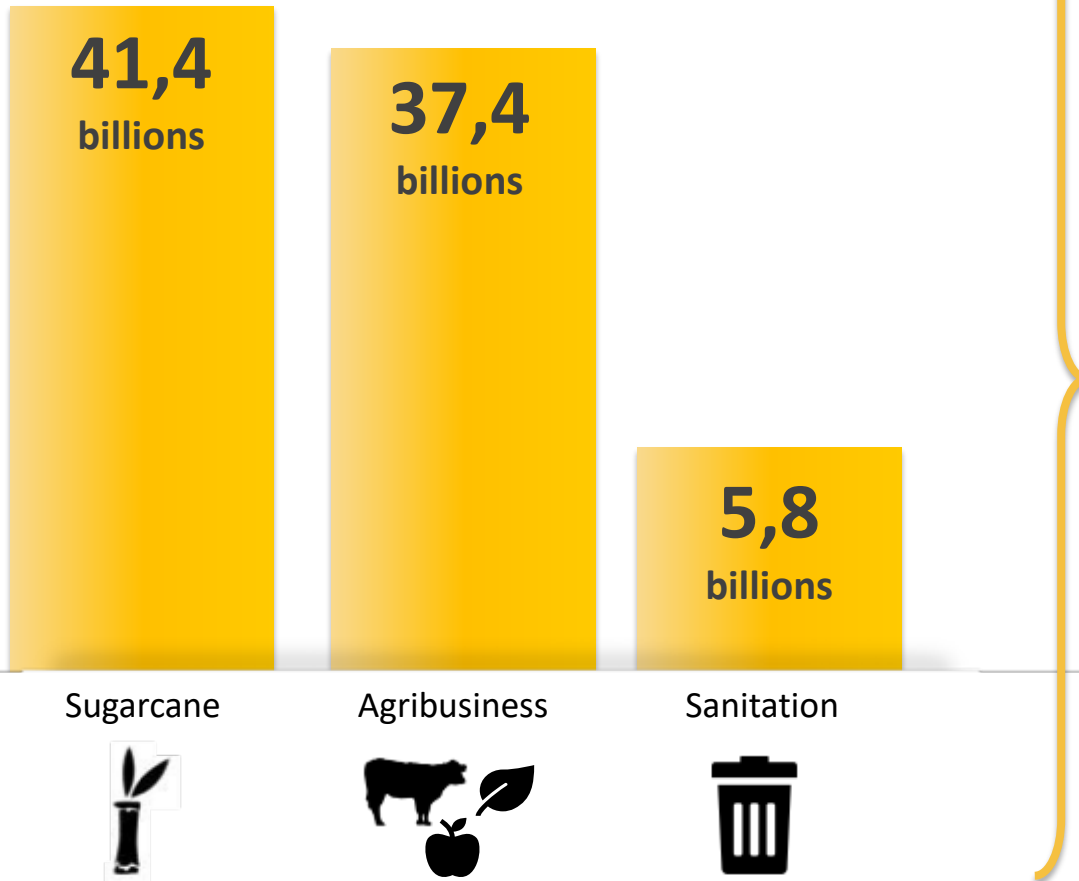
Larissa Schmoeller Brandt

GMI Biogas Subcommittee Meeting 28 October 2019



# BRAZILIAN BIOGAS POTENTIAL

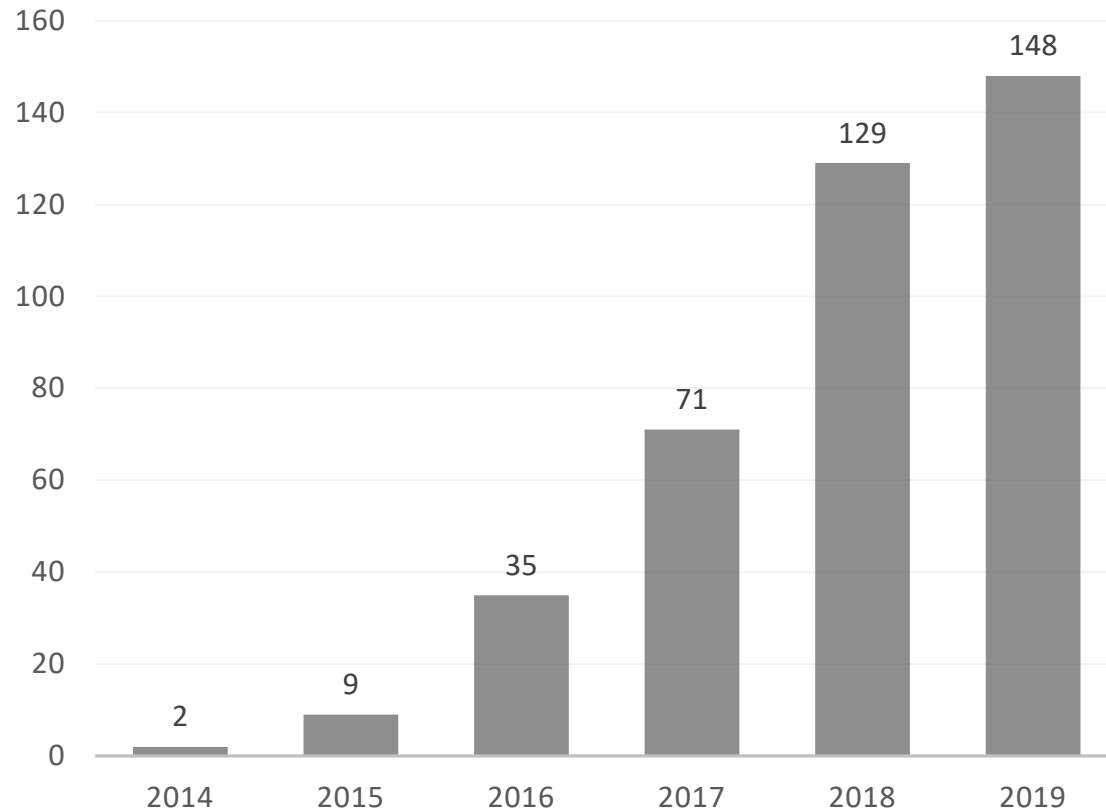
## BRAZILIAN BIOGAS POTENTIAL, BY SOURCE (Nm<sup>3</sup>/year)





# THE BRAZILIAN MARKET: WHERE WE AT?

Biogas Plants per Year  
Distributed Generation



- Distributed energy resources next to cargo:
  - 148 plants
- Remote Self-Consumption:
  - 26 generators
  - 426 consumer units involved
- Shared Generation:
  - 4 generators
  - 95 consumer units involved

# MICROGRID PROJECT – Research and Development

## GRANJA SÃO PEDRO SÃO MIGUEL DO IGUAÇU/PR



770 m<sup>3</sup>/day  
OF BIOGÁS;

32 MWh/month OF  
ELETRICAL ENERGY.



CIBIOGAS  
ENERGIAS RENOVÁVEIS



PTI

CIH

Centro Internacional  
de Hidroinformática

LASSE

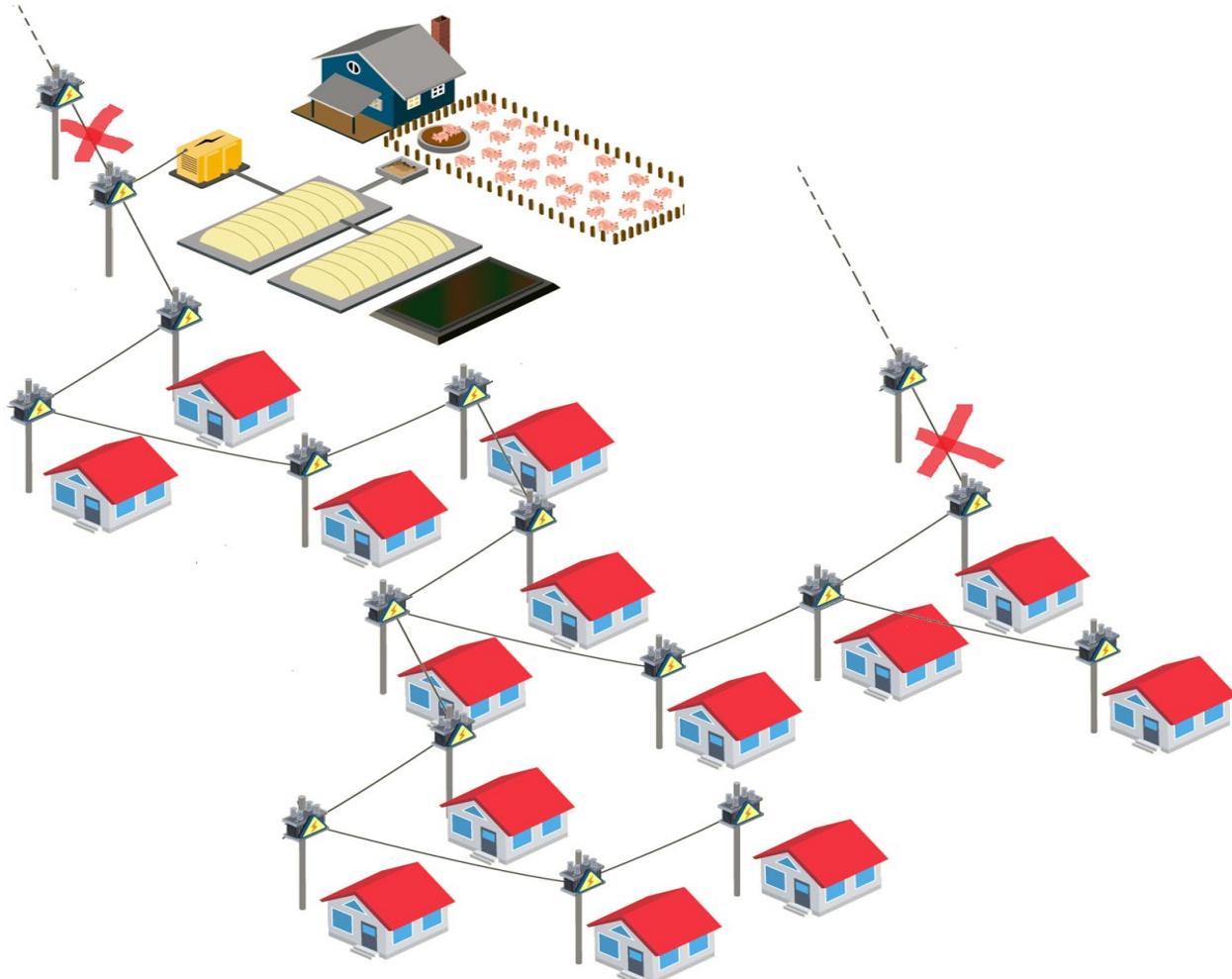
Laboratório de Automação e  
Simulação de Sistemas Elétricos



COPEL



# MICROGRID PROJECT



- When happens some blackout in the grid the microgrid start working;

<b>Number of consumer units</b>	15
<b>Priority demand</b>	68 kW

<b>Flat Energy</b>	70 kW
<b>Maximum hours</b>	12h/day

# THE BRAZILIAN MARKET: WHERE WE'RE GOING?

## ■ THE “NEW GAS MARKET”

- Federal program launched in 2019
- Expand investments in natural gas processing, transportation and distribution infrastructure, which can be an opening for biogas.
- Increase thermal energy generation
- Resume the competitiveness of Brazilian industry with gas accessibility

## ■ RENOVABIO – National Biofuels Policy

- A policy that encourages decarbonization with a focus on fuels.
- Individual decarbonization targets for distributors
- Certification of biofuels demonstrating the reduction of GHGs
- Trade of biofuel decarbonization credits

## WHAT IS ABiogas?

- The Brazilian Biogas Association is a non-profit organization
  - Political articulation for new legislation that propels the biogas in the country
  - Promotion of a business cluster for the biogas sector
  - Disseminates biogas market information
- 64 associates, from equipment suppliers to law firms
- 2019 actions:
  - Formulation of legal frameworks for biogas at a federal level
  - Participation in the country energy planning formulated by the Brazilian Ministry of Mines and Energy
  - Contribution to price formulation for biomethane in Brazilian states