Conselho Temático de Energia

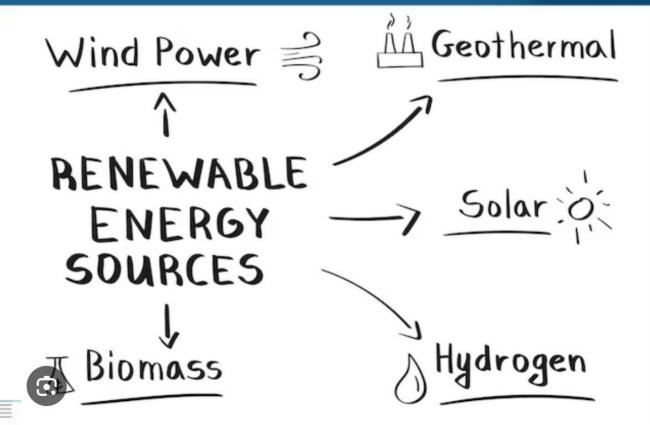




CLEAN ENERGY AND SUSTAINABILITY SYMPOSIUM AUSTRALIA-BRASIL

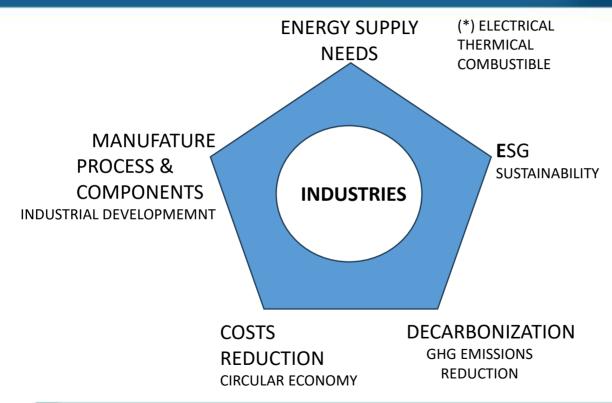
BRAZIL – HUGE POTENTIAL FOR RENEWABLES





INDUSTRIES AND RENEWABLES

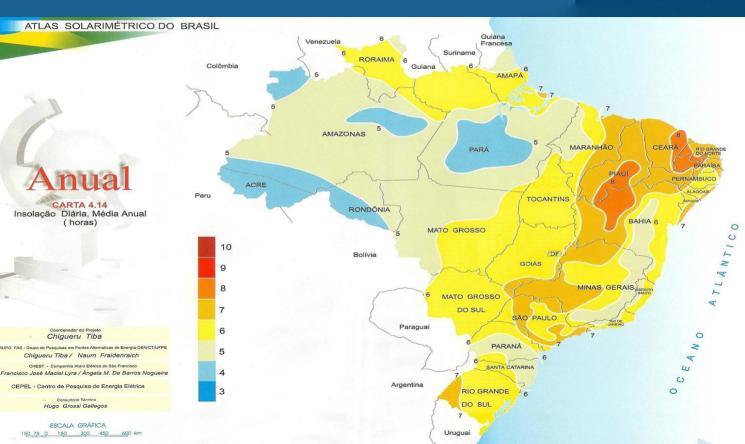




MARKETING SEGMENTATION

BRAZIL – HUGE POTENTIAL FOR RENEWABLES





PARANÁ STATE RENEWABLES

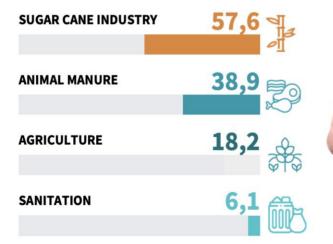




BIOGAS POTENTIAL BEING DEVELOPED

Brazilian potential

Biomethane (million m³/day)





THE ROLE OF BIOGAS AND BIOMETHANE IN ENERGY TRANSITION





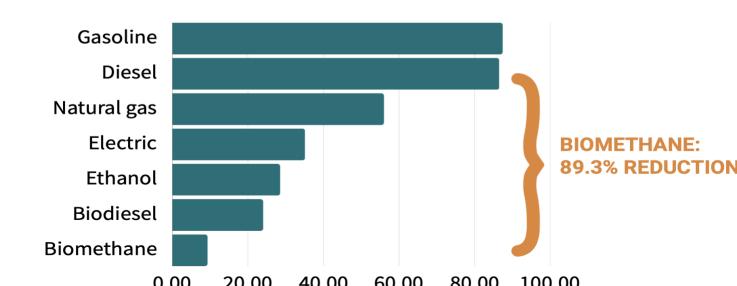
CIRCULAR ECONOMY





DECARBONIZATION

Carbon intensity (gCO2eq/MJ)





DECARBONIZATION OF TRANSPORTATION THROUGH BIOMETHANE

Comparison with diesel: Economic competitiveness







BIOMETHANE

1500 Km 2,02 km/m³ 743 m³ 360 gCO2eg/m³

266 kgCO2eq

TRAVELED DISTANCE

AVERAGE CONSUMPTION

TOTAL CONSUMPTION

CARBON INTENSITY

TOTAL EMISSIONS

DIESEL

1500 Km

2,2 km/l

682 l

3.114 gCO2eq/l

2.123 kgCO2eq

87% REDUCTION









ERBR ENERGIAS RENOVÁVEIS

Londrina, PR - Brazil





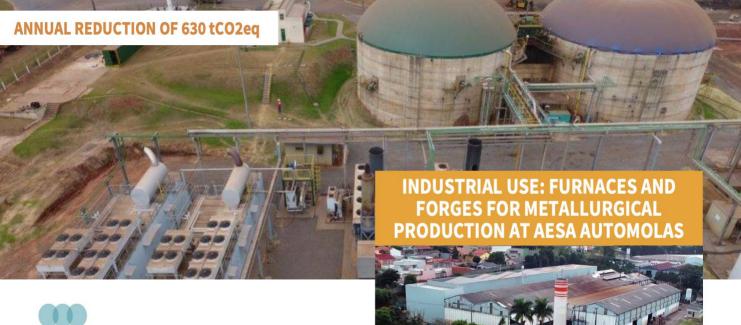
Substrate: Animal manure

Primato

Biomethane Volume: 150 m³/day









GEO BIO GAS&CARBON

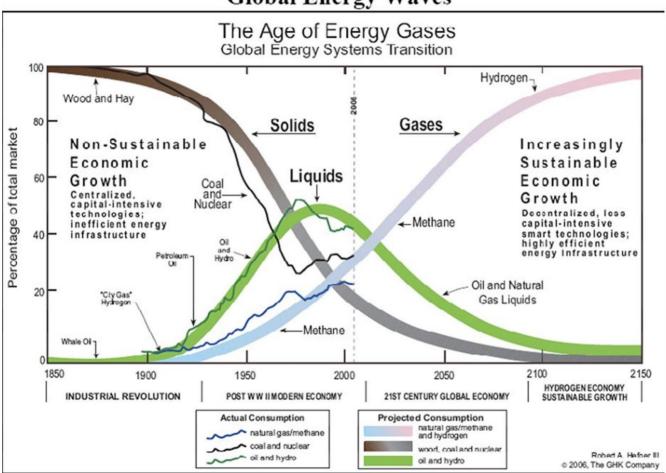
Tamboara, PR - Brazil



Substrate: **Agroindustry**

Biomethane Volume: 1,500 m³/day

Global Energy Waves



Sistema FIEP SESI
Fiep SENAI IEL
nosso i é de indústria.

THANK YOU VERY MUCH