





































Bioeconomy Opportunities for Brazil and the USA

Brazil-US Business Relations in Florida Seminar Miami, March 9, 2020

Bento Albuquerque

Minister of Mines and Energy, Brazil





Biofuel drivers

Environment

Energy security Economics





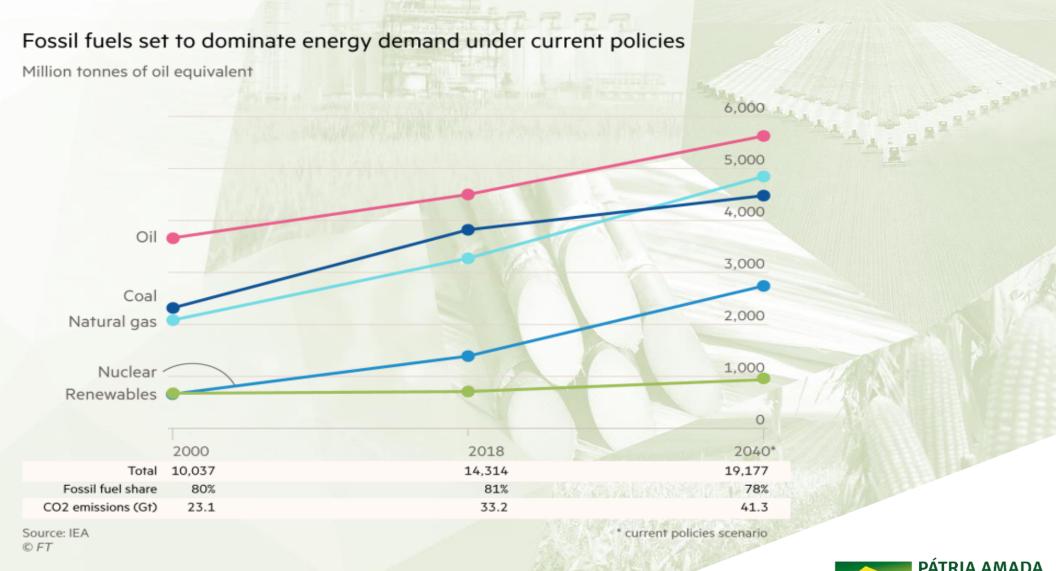




Biofuels: part of the solution



Energy related CO2 emissions

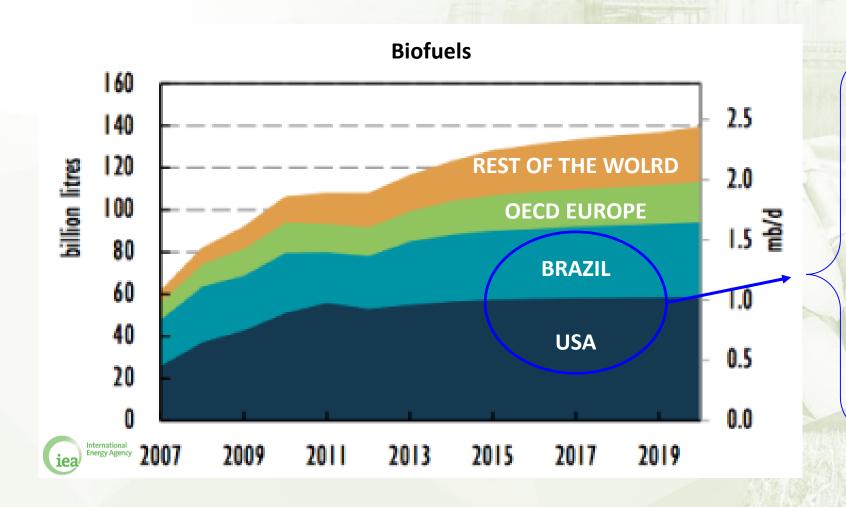






Motor gasoline consumption (2017) Ranking \$ thousand barrels per day Country United States 9,327 China 3,434 Brazil 996 871 Japan Canada 843

Efforts of Brazil and the USA in biofuels

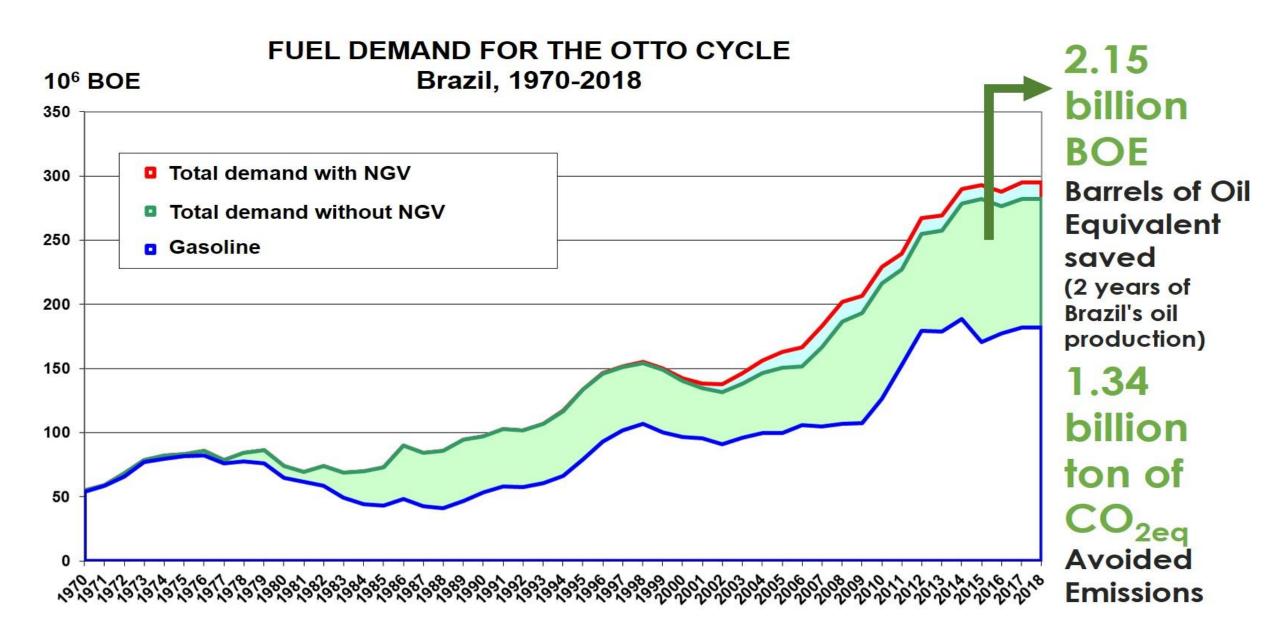


Together,
Brazil and the USA
have done more
for the environment
through biofuels than
all other global efforts
in the energy sector





Ethanol savings and CO2 avoided



What comes now?

CHANGES

FUEL



Less Fossil More Bio

PLATFORM



Flex Hybrid Vehicles on more efficient platforms

What we have been doing?

EMISSIONS REDUCTION

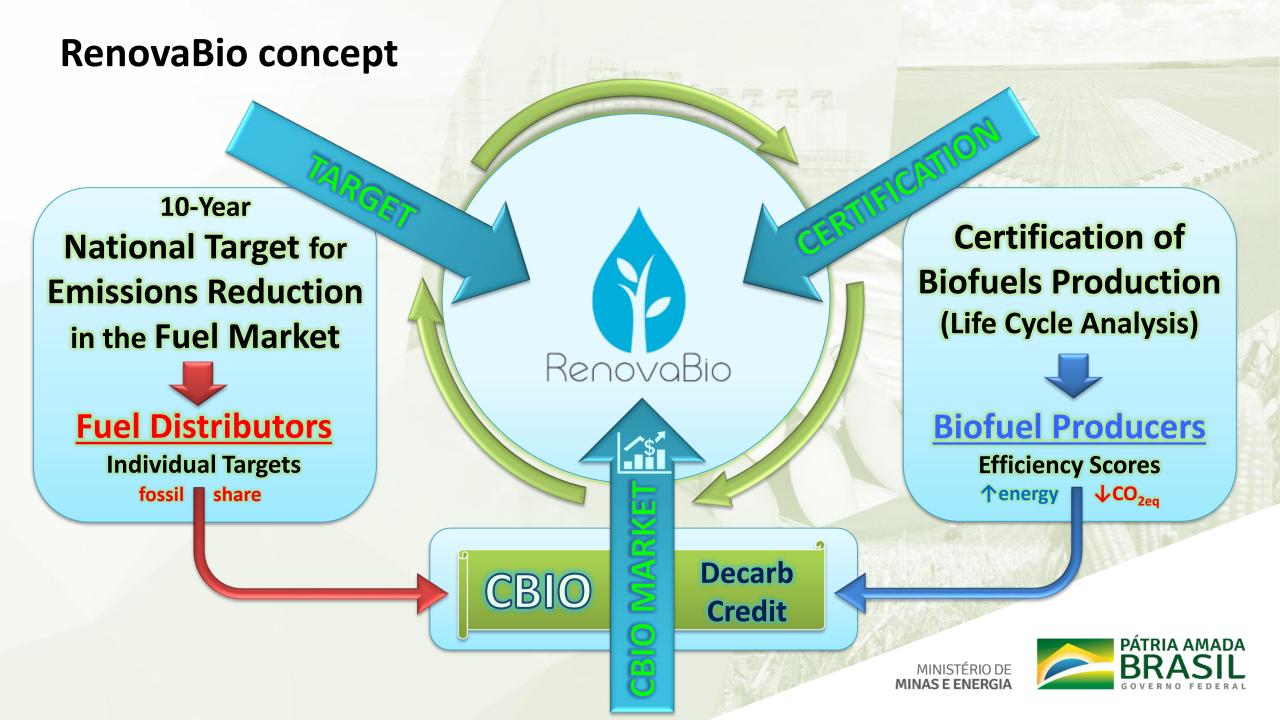
INDUCTION TO ENERGY EFFICIENCY

PREDICTABILITY









What does CBIO represent?





1 CBIO = 1 ton CO₂ avoided = 7 trees

2020/2029 TARGET:

Avoid 700 MM Tons of $CO_2 = 5$ Billion trees





RenovaBio: a market solution

- It is not subsidy
- This is not an increase in taxes
- More competition and efficiency for the market, which results in lower costs ans prices for consumers
- Encourages agribusiness, with consequent reductions in carbon emissions

IT IS THE BRAZILIAN "CARBON CAPTURE MACHINE"





Positive signs of RenovaBio and investments

Incentivized Priority Projects (2019-2020)

US\$ 2,5 billions

Total Investments (2020-2030)

US\$ 223 billions

INVESTMENTS 2020-2030 (US\$ Billion)

Ethanol 157

Biodiesel 58

Biomethane 7

TOTAL 223





Brazil-USA Biofuels Alliance



- Connect our low carbon fuel policies
- Make our Decarb Credits and biofuels international commodities

US ethanol already can be certified under RenovaBio





Final remarks



- Brazil and the United States endorse the diversification of the energy matrix
- We have to strengthen our biofuels agenda
- Come join this alliance



Obrigado!
Thank you!

