

The background is a collage of images related to energy and industry, including a bioethanol distillery, a sugarcane field, an offshore oil rig, and high-voltage power lines. These images are overlaid with a green and yellow geometric pattern of triangles and polygons.

RenovaBio

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MINISTÉRIO DE
MINAS E ENERGIA



PÁTRIA AMADA
BRASIL
GOVERNO FEDERAL

Ethanol Savings and CO2 Avoided (1970-2018)

**2.15 billion
BOE**

Barrels of Oil
Equivalent
saved (2 years of
Brazil's oil
production)

**1.34
billion
Tons of
CO_{2eq}
Avoided
Emissions**

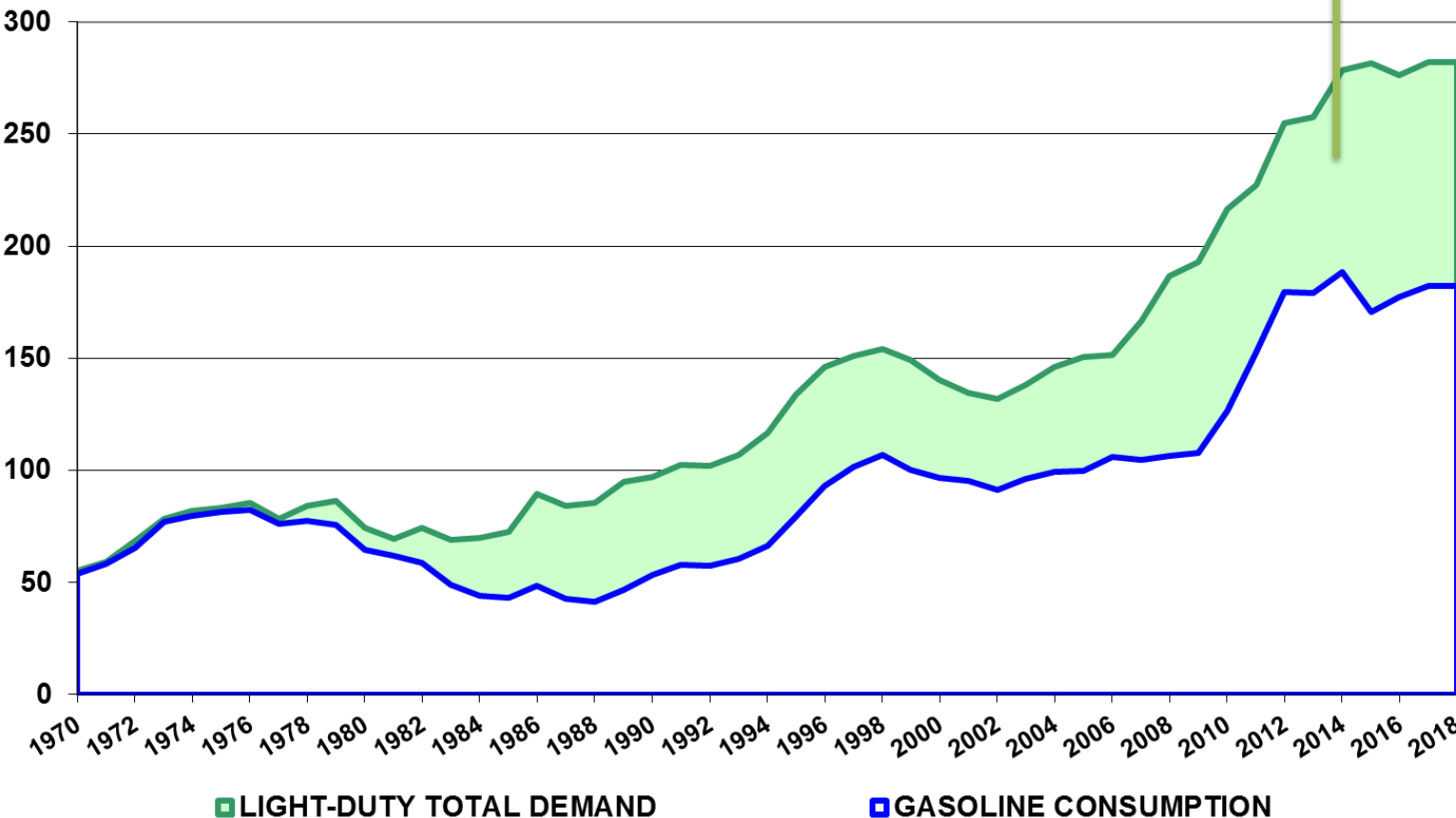
US\$ 125 Bi

**Total Economy
(2018 USD)**

Aprox. 1/3
Brazilian Reserves

10⁶ BOE

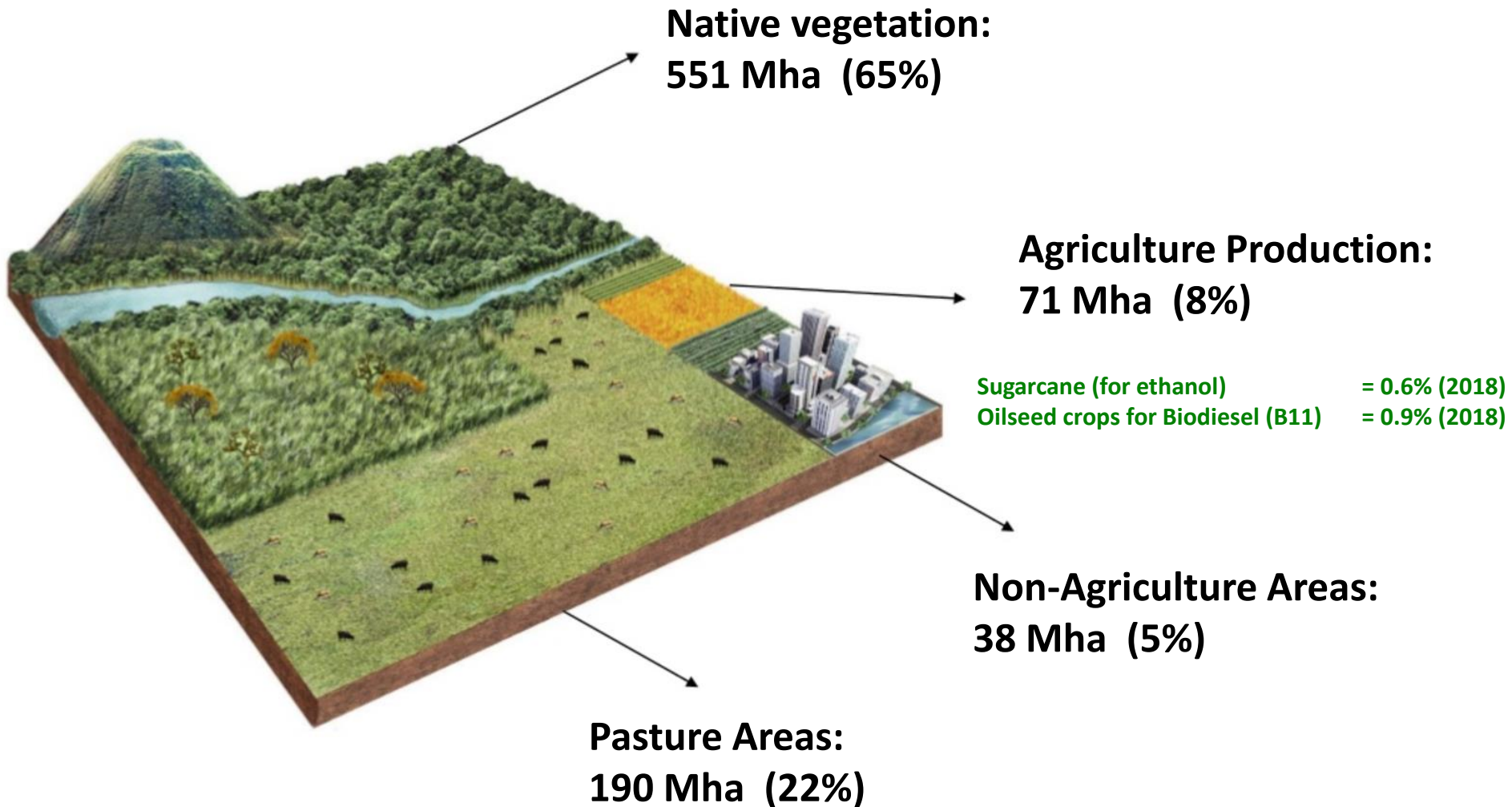
OTTO-CYCLE FUEL DEMAND IN BRAZIL



■ LIGHT-DUTY TOTAL DEMAND

■ GASOLINE CONSUMPTION

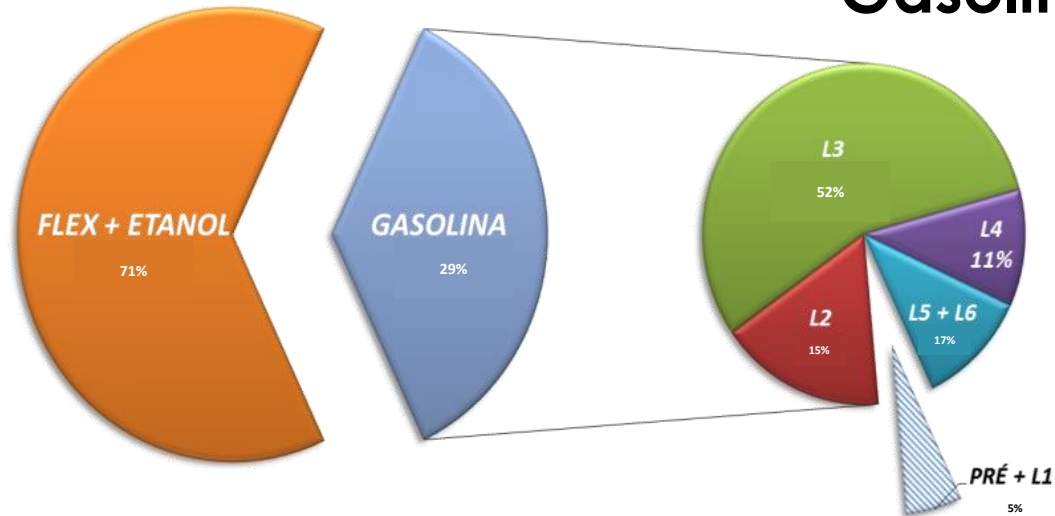
Land Use in Brazil



E27 use and Vehicle Fleet

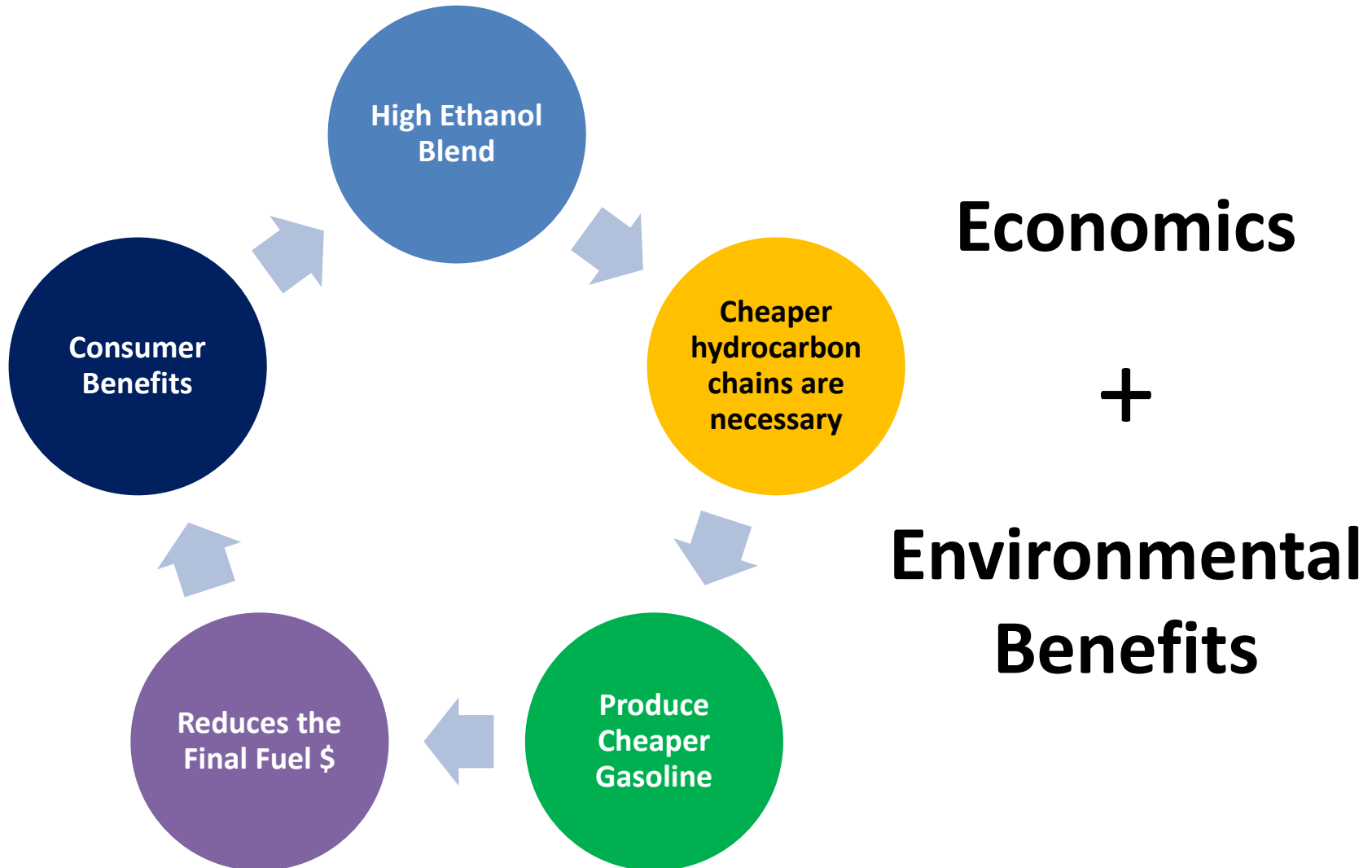
Light-Duty Vehicles

94% of
Gasoline Fleet





Gasoline benefits from E27



Complimentary solutions for necessary changes

CHANGES

FUEL



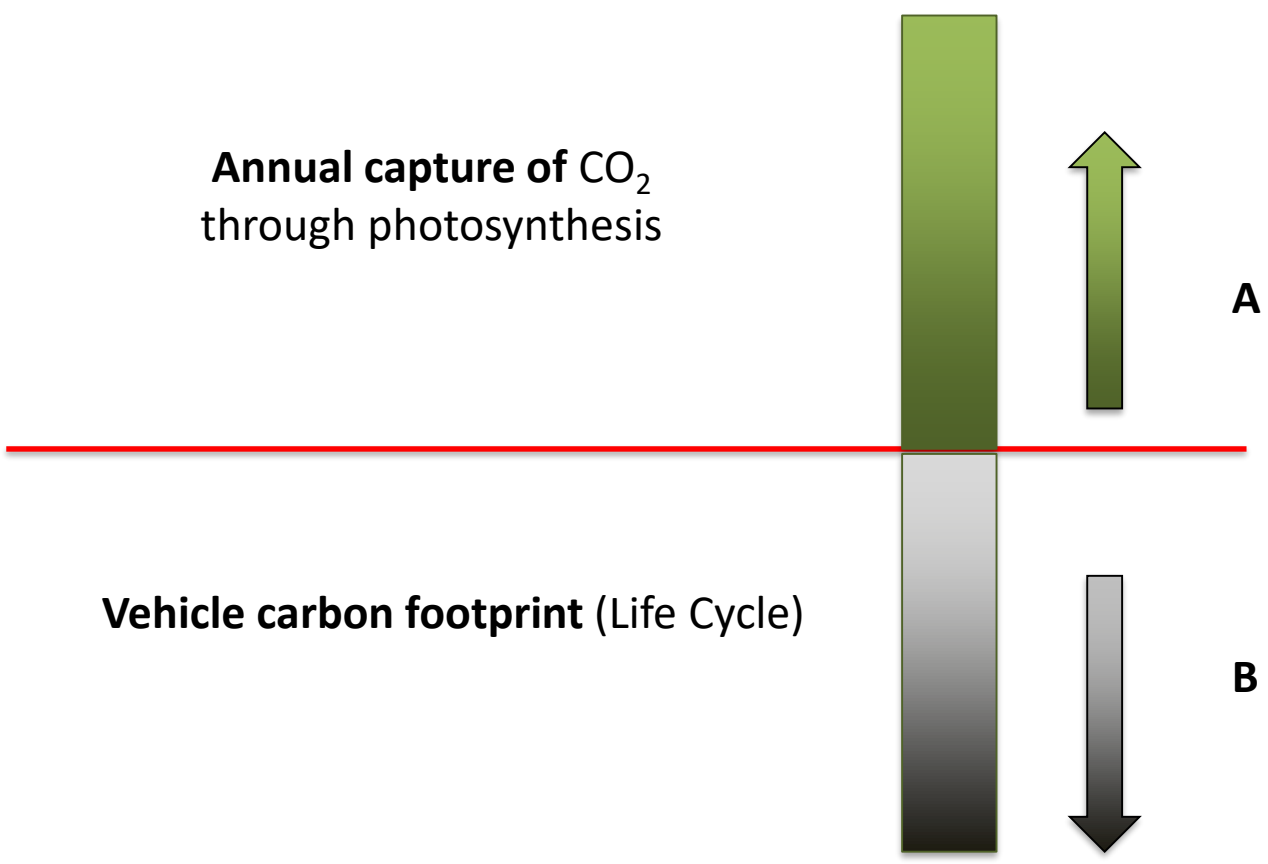
**Less Fossils
More Bio**

PLATFORM



**more efficient platforms
Electric Cars on Ehtanol**

BECCS – Bioenergy with Carbon Capture and Storage



RenovaBio: What is it?

- It is the Brazilian National Biofuels Policy with a **strategic** role for the bioenergy
- Sustainable environment for **investments** up to US\$ 300 billions until 2030
- Creates the “**Carbon Capture Machine**” per unit of energy increasing efficiency in the production of biofuels
- Creates an **integrative** agenda with the automotive industry (ethanol electrification) and the petroleum industry (smooth transition)
- Creates **competition** in the fuel market benefiting the consumers, which will pay less for fuels
- **Reduces** the growing national **deficit** with fuel imports

RenovaBio

- Consumer benefits from biofuels usage
- Biofuels reduce fuel prices
- Blends with biofuels reduce emissions (particulates, CO₂, GHG)
- Give value to the environmental service provided by biofuels
- Oil industry benefits from biofuels by making it more sustainable
- Industrial production of food increases;

Thank you

बहुत बहुत धन्यवाद

большое спасибо

非常感谢你

Muito Obrigado