

The background of the slide is a composite image. On the left, a portion of a blue and white globe is visible. A road winds through a dense green forest, with a single white car driving away from the viewer. On the right side, there are several circular technical icons: a car with a lightning bolt (representing electric vehicles), a motor, a gear, and a leaf (representing sustainability).

MBC Brasil | Institute

Low Carbon Mobility Brazil

Institutional
April 2026

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27 companies/entities representing major links in the low carbon automotive supply chain and market.

BIOFUEL PRODUCERS – AUTOMAKERS – WORKERS UNIONS – ENGINEERING
ACADEMY – AFTERMARKET SERVICES – EQUIPMENT & MACHINE INDUSTRIES



Our mission is to accelerate the decarbonization of on road mobility segments, supporting a viable transition through **all available low-carbon solutions**, ensuring clean, economical and socially responsible policies.



Transforming
technical evidences
into public policies



Respecting
technological
neutrality



Boosting
bioelectricity
technologies



Contribute to
climate neutrality
by 2050

We believe in and promote the potential and comparative advantages that make Brazil a global leader with a wide range of solutions for decarbonizing mobility



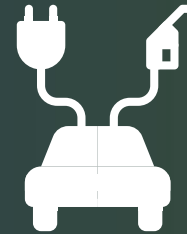
Biofuels

Ethanol, biodiesel, biogas, biomethane, and green hydrogen



Energy Mix

90% Clean & Renewable



Electrification

Hybrids, Plug-in Hybrids and BEVs



Industry

Automotive supply chain and agribusiness adapted to low carbon emissions

OBJECTIVES

Raise awareness

Stakeholders

Protect

Industrial Park, Employment
and Income

Influence

Legislators



Defend

Viable Decarbonization

Reduce

Cost of decarbonization

Assure

Energy Security



Public Policies



Investment

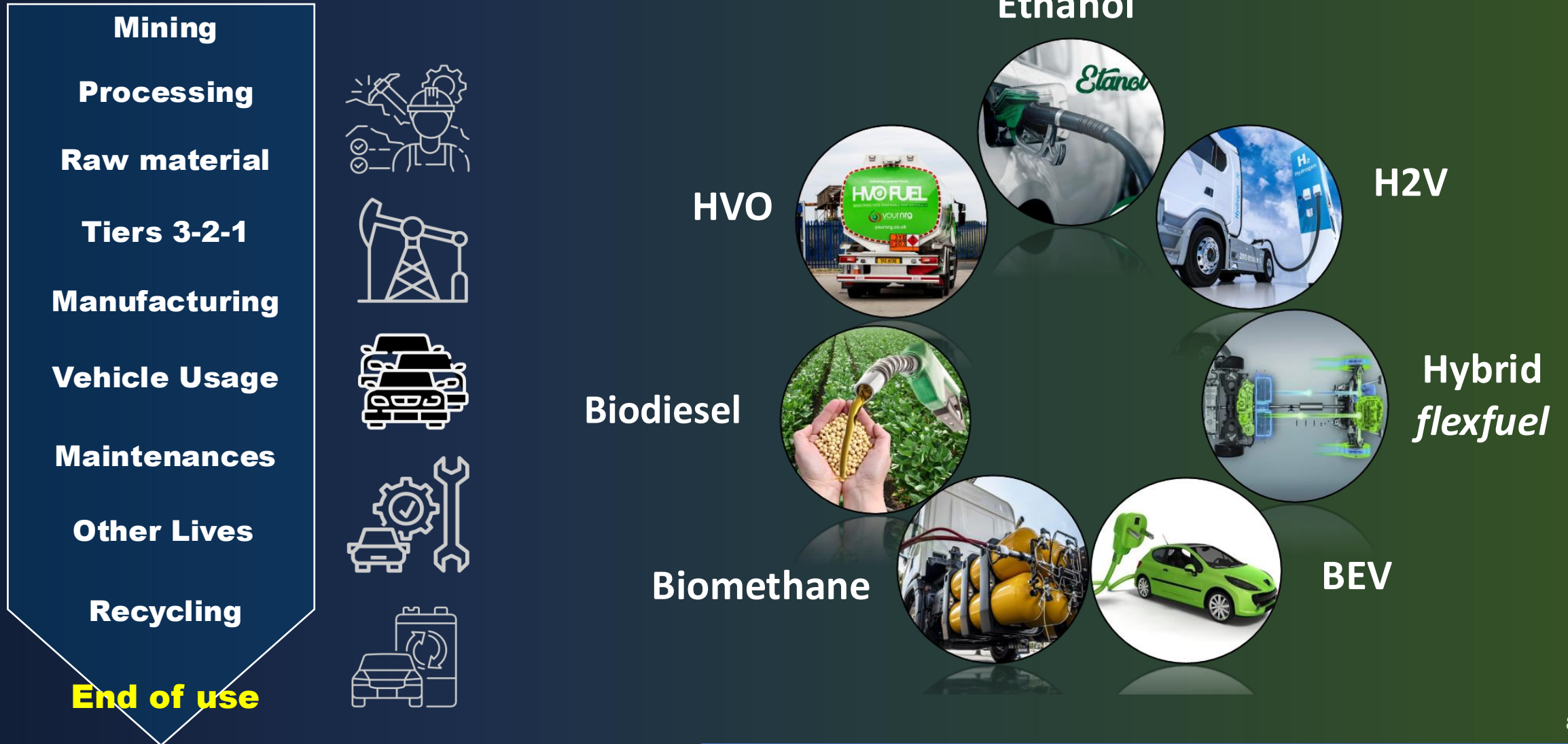


Innovation



Life Cycle Assessment (LCA) is essential for accurately, comprehensively, and comparably measuring GHG emissions from mobility on a global scale, by evaluating impacts throughout the entire chain, from cradle to grave, and not just emissions from vehicle use.

Multiple Sources for Decarbonization in the Life Cycle – LCA (from cradle to grave)



Focus on

Running Vehicle Park
Fleet Renew &
increasing biofuel usage



New Vehicle Sales
Biofuels, Electrification
and New Technologies



Technical Studies - Publications

Sponsored by the MBCBrasil Institute

2024

2025

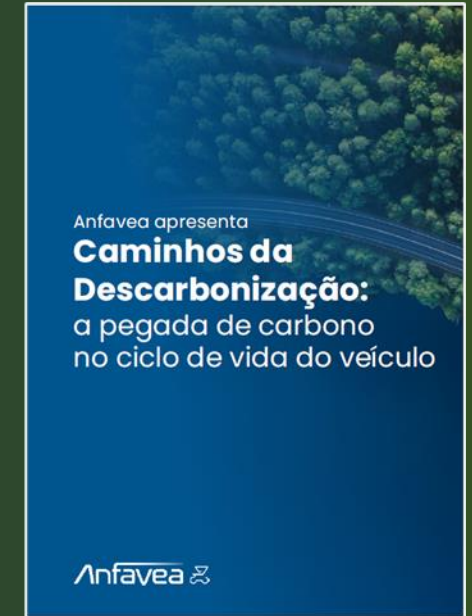
2026

2025

2025

Fundação Toyota

ANFAVEA / BCG





EXECUTIVE SUMMARY

**THE MOST EFFICIENT
TECHNOLOGICAL PATHWAYS TO
MOBILITY DECARBONIZATION**

Study prepared by LCA Consultores and MTempo Capital



THE SOCIOECONOMIC IMPACTS OF ENERGY TRANSITION AND CHANGE

*Full study is available for download on
the MBCB website*



<https://mbcbrasil.com.br/>

Energy transition demands in Brazil **in 2040**



More than 80 billion liters of ethanol/yr



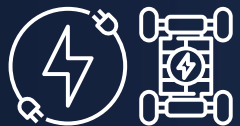
Up to 35 million m³/day of biomethane



19 billion liters of biodiesel



2 billion liters of HVO



50 TWh electricity dedicated to the mobility



825,000 public Battery charging stations



Structural Opportunities - Brazil 2040



Biofuels

- Supply, Distribution, Logistics, Storage and Loading/Charging



Electricity

- Energy Security, Transmission and System Integration



Selected Labor

- Attract, Develop Competencies and trains for New Technologies



Public and Private investment

- New technologies, new industries, new business opportunities



International Activities

Brazil presents all the elements to consolidate itself as a global cluster in bioenergy and bio-decarbonization of mobility, combining a clean energy mix, abundant natural resources, and an innovative industrial ecosystem. **There is no competition between food and fuel.**



Biofuels



**H2V
E-fuels**



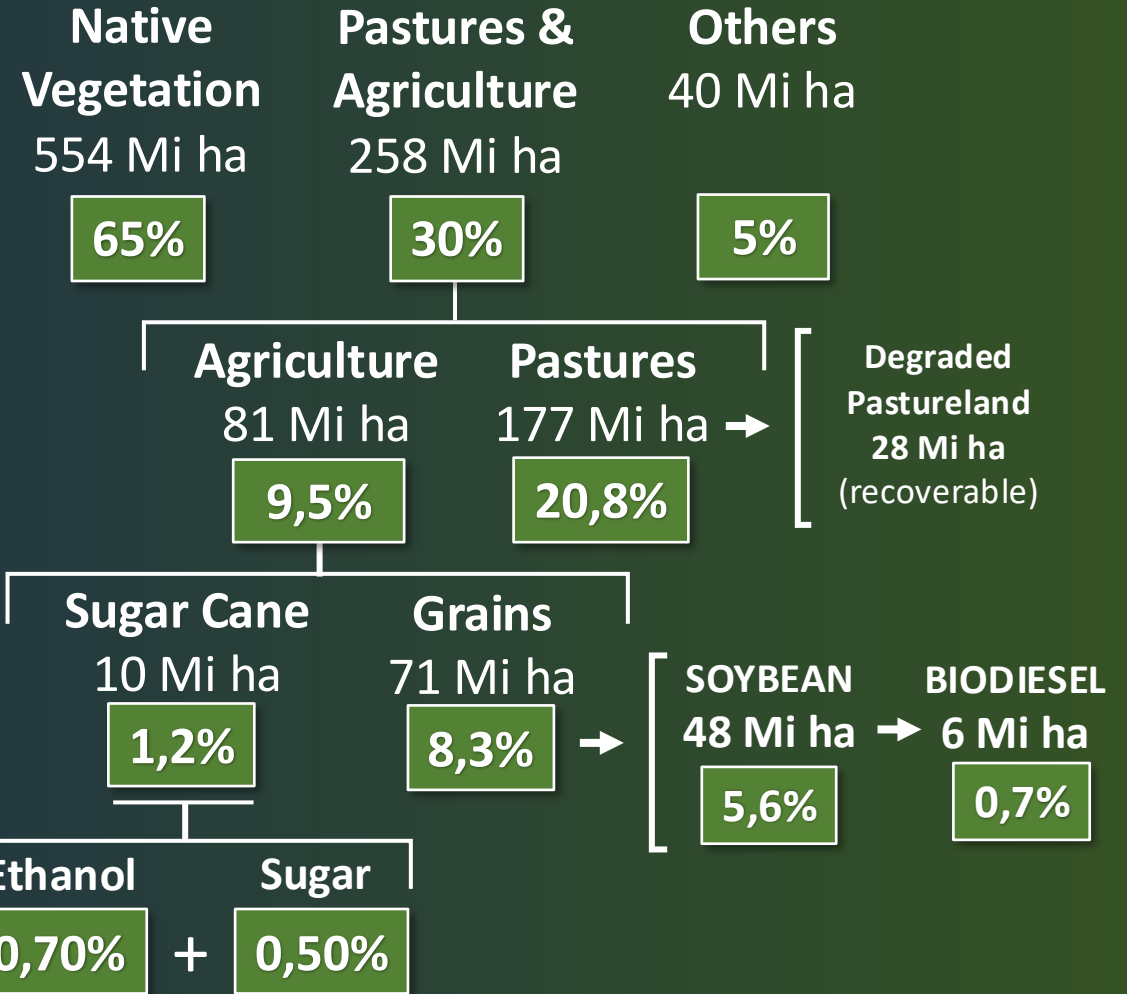
**Automotive
Technology**



Agroenergy

BRAZIL PRESERVES THE LARGEST AREA IN NATIVE VEGETATION

ENERGY SECURITY WITH FOOD SECURITY



Being part of the MBCBrasil Institute means actively participating in **building the future of low-carbon mobility in the country**, with representation, influence, and a long-term vision.



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Low Carbon Mobility Brazil

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