

# PERSPECTIVAS

## COMUNICAÇÃO & RELAÇÕES INSTITUCIONAIS

2nd EDITION  
MAY/2021



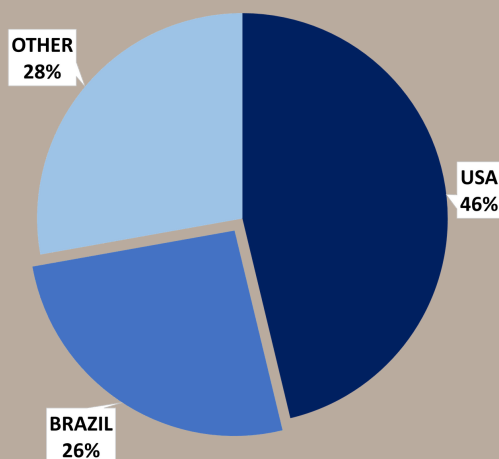
## BIOFUELS - SCENARIOS AND OPPORTUNITIES

The path to a global low-carbon economy requires investment in technologies and solutions that mitigate greenhouse gas emissions (GHG). Therefore, replacing fossil fuels with biofuels is one of the most promising paths towards the decarbonization of the economy, especially for the transportation sector, which is single-handedly responsible for a quarter of global GHG emissions.

This edition of our Newsletter is dedicated to outlining the scenario for the biofuels sector as one of the most promising segments for the transition to a low carbon economy. Additionally, we analyze the opportunities for Brazil as the 2nd largest world producer of biofuels.

### BRAZIL: A POWERHOUSE FOR SUSTAINABLE FUELS

When it comes to biofuels, Brazil is one of the major players in global production. The largest economy of Latin America has the second-largest biofuels industry in the world, after USA. Brazilian production of biofuels accounts for 25% of all global production, equivalent to the sum of the next eight largest producers.

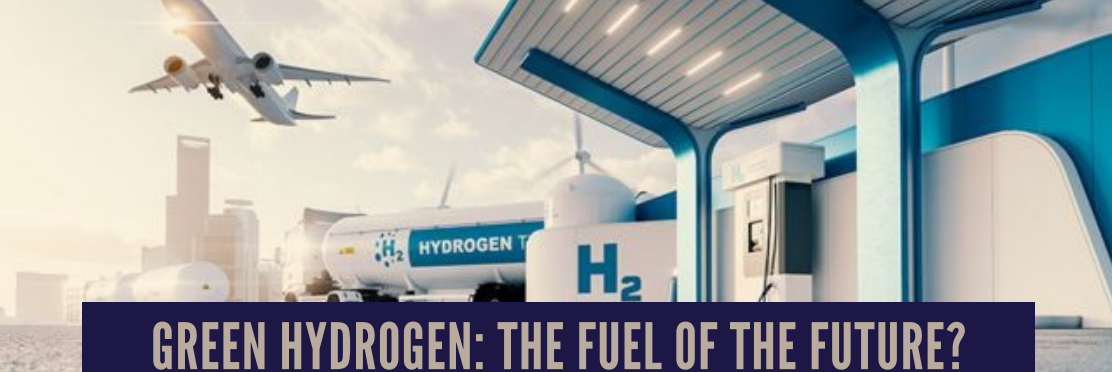


Percent production volume considering the 10 largest biofuel producing countries

"BRAZIL HAS THE POTENTIAL TO PRODUCE UP TO 9 BILLION LITERS OF SUSTAINABLE AVIATION FUEL (...) ENOUGH TO SUPPLY THE DOMESTIC MARKET WITH A SURPLUS FOR EXPORTATION".

- Conclusion of the Roundtable on Sustainable Biomaterials survey (2021)

Even so, the country has an enormous potential to scale up, benefitting from the growing demand for low-carbon solutions, especially in the fuel sector. Taking into consideration the aviation segment, a survey published last April by the Roundtable on Sustainable Biomaterials (RSB) shows that Brazil has the potential to produce up to 9 billion liters of sustainable aviation fuel (SAF) from various organic residues from agriculture. This volume would be enough to supply the domestic market with a surplus for exportation.



## GREEN HYDROGEN: THE FUEL OF THE FUTURE?

Brazil has enormous potential in the production of green hydrogen, a new source of renewable energy obtained from the electrolysis of water or biomass and biofuels, such as ethanol and methane.

According to the president of the Environment and Sustainability Thematic Council of the National Confederation of Industry, Marcelo Thomé, green hydrogen can contribute to the energy transition towards a low-carbon economy. In addition, the general director of Siemens Energy Brazil, André Clark, has emphasized that Brazil can become "unbeatable" in the production of hydrogen, considering the country's great potential for wind and solar energy generation and its advanced regulatory system in renewable energy generation.

The Green Hydrogen Cost Reduction report, produced by the International Renewable Energy Agency (IRENA) estimates that the cost reduction of renewable energy and the improvement of electrolysis technologies in the future can make green hydrogen production competitive by 2030. With this in mind, the National Council of Energy Policy (CNPE) proposed the creation of a framework for the National Hydrogen Program, which will be prepared in cooperation with the Ministries of Science, Technology and Innovation and of Regional Development, with the support of the Energy Research Company (EPE).

The Hydrogen Council - a global initiative for the development of the hydrogen economy led by CEOs of 92 leading energy, transportation, industrial, and investment companies - estimates an economic growth potential of the hydrogen industry of \$2.5 trillion by 2050.

**US\$ 2.5 TRILLION IS THE ECONOMIC POTENTIAL OF THE HYDROGEN INDUSTRY BY 2050**

- according to the Hydrogen Council

## ABOUT PERSPECTIVAS

Perspectivas is a Communication & Institutional Relations consultancy specialized in advocacy strategy and image building based on the pillars of dialogue, ethics, and transparency, with a strong focus on ESG (Environment, Social & Governance) principles, especially in the Low Carbon Economy.

Access the previous edition of our newsletter "Special: Leaders Summit on Climate", in Portuguese and English, at: [www.perspectivasbr.com/newsletter](http://www.perspectivasbr.com/newsletter)

Contact: [perspectivas@perspectivasbr.com](mailto:perspectivas@perspectivasbr.com)

Edition: Marina Mattar, Fernando Figueiredo, Pável Pereira and Letícia Macário  
Graphic design: Letícia Macário and Pável Pereira

## BRAZIL'S PROGRAMS ON BIOFUELS



RenovaBio is a program launched in 2016 by the Ministry of Mines and Energy. It aims to stimulate a sustainable growth of biofuel production in Brazil. It establishes annual national decarbonization targets for the fuel sector.

Learn more [here](#).



Launched on April 20th, 2021 by the National Council of Energy Policy (CNPE), the Fuel of the Future program aims to integrate several federal government programs for the fuel sector, allowing a greater governance and institutional integration. The program signals to the market the federal government's energy efforts for the decarbonization of the transport sector, in line with the goals set by Brazil in the Paris Agreement.

Learn more [here](#).



The Brazilian Aviation Biokerosene and Renewable Hydrocarbons Network (RBQAV) intends to promote the development of the aviation biokerosene sector nationwide through public policies, contributing to emissions reduction in the aviation market.

Learn more [here](#).