

RenovaBio

Brazilian National Biofuel Policy

Task 39 - Commercializing Liquid Biofuels from Biomass

International Energy Agency (IEA) Bioenergy Technology Collaboration Program (IEA Bioenergy)

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What is RenovaBio?

- The Brazilian National Biofuel Policy (**RenovaBio**) is a government program that will support the continued development and use of low-carbon biofuels



Law 13.576/17
December 26, 2017



RenovaBio's Goals

- Contribute to Brazil's commitments at 2015 United Nations Climate Change Conference, COP 21, held in Paris
- Promote adequate expansion of biofuels in the energy matrix
- Ensure predictability for the fuel market
- Introduce innovation in the biofuels production chains



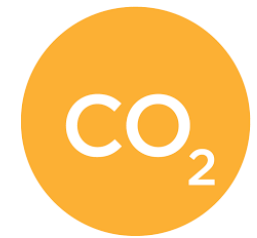
Fundamentals of the Policy

- Contribution of biofuels to national energy security, environmental protection and promotion of economic development and social inclusion
- Promotion of free competition in the biofuel market
- Addition of value to the biomass
- Introduction of a strategic role of biofuels in the Energy Matrix



How it works?

- RenovaBio will set annual national carbon reduction targets
- Biofuel Producers will receive a number of CBios depending on fuel production volumes and production efficiencies (Carbon Intensity)
- Fuel Distributors will have individual targets
 - Commercialize more biofuel or buy CBios to accomplish the targets



Carbon reduction targets

- Brazil committed to reduce greenhouse gas emissions by 37% below 2005 levels in 2025
- Indicative intention to reduce greenhouse gas emissions by 43% below 2005 levels in 2030



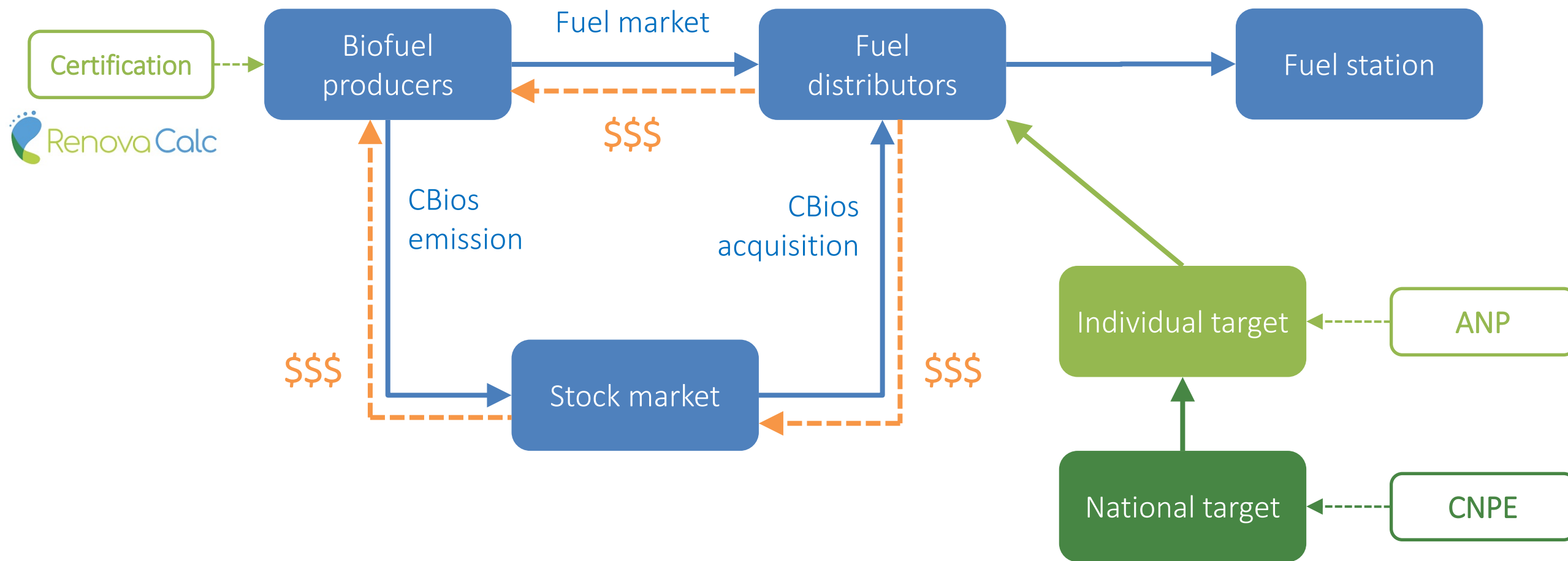
Increasing the share of sustainable biofuels in the Brazilian energy mix to approximately 18% by 2030

RenovaCalc

- Tool developed to quantify the biofuels' carbon intensity in RenovaBio program
 - Life Cycle Assessment
 - Energy based allocation
 - Land Use Change not included (low risk criteria included)
- Determine the competitive differential between the mills
 - Favor plants with lower emissions



RenovaBio Governance



Thank you!



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