

Ethanol Summit

27 de junho



Biocombustíveis na aviação: solução de baixo carbono

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g CO₂eq/MJ

AFTF Alternative Fuels Task Force

Key areas of activity:

- Projection for future sustainable alternative fuels production
- Fuels life cycle emissions

Description of the work:

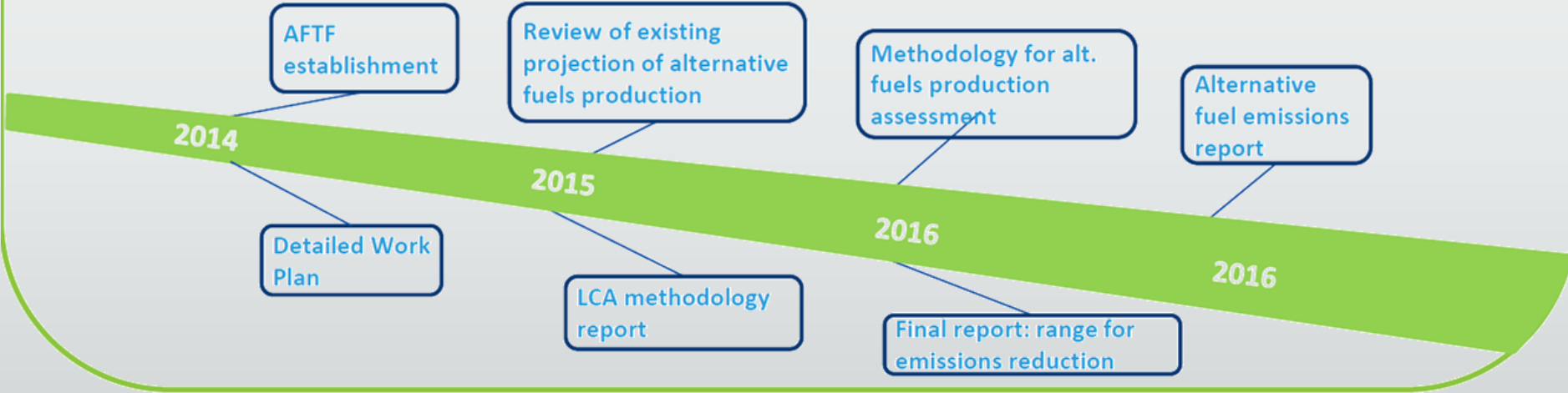
The Alternative Fuels Task Force (AFTF) objective is to evaluate the range of potential greenhouse gas (GHG) emissions reductions from the use of alternative fuels in aviation to 2050 through the assessment of alternative fuels life cycle emissions and the projection of what alternative fuels production could be up to 2050.

The results of this assessment will provide a global view of the potential contribution of alternative fuels to the achievement of the aspirational goals of stabilizing the GHG emissions of aviation at their level of 2020. They will also serve as input for the inclusion of alternative fuels in the CAEP's trends assessment to 2050, performed by the Modeling and Database Group (MDG).

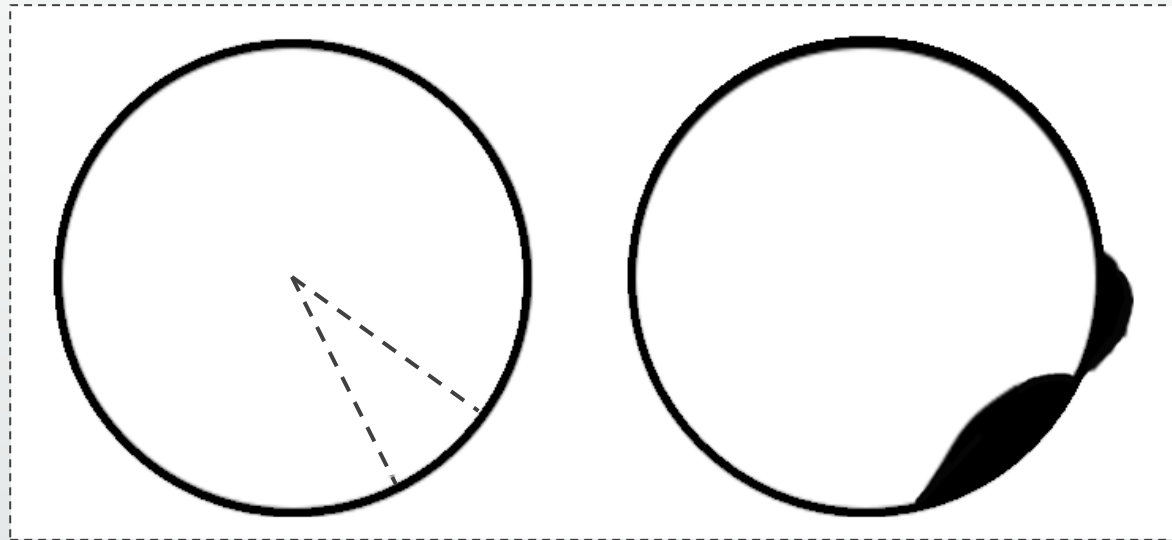
A secondary outcomes of the study will be the definition of a methodology for the Life Cycle Analysis (LCA) of alternative fuels emissions for the purpose of ICAO's environmental trends assessment. This methodology will serve as a basis for providing assistance and guidance to States on the evaluation of potential benefits deriving from the use of alternative fuels. The task force was set up in November 2013 as part of CAEP/10 cycle.

Reference publications:

The Challenges for the Development and Deployment of Sustainable Alternative Fuels in Aviation (Outcomes of ICAO's SUSTAF experts group)

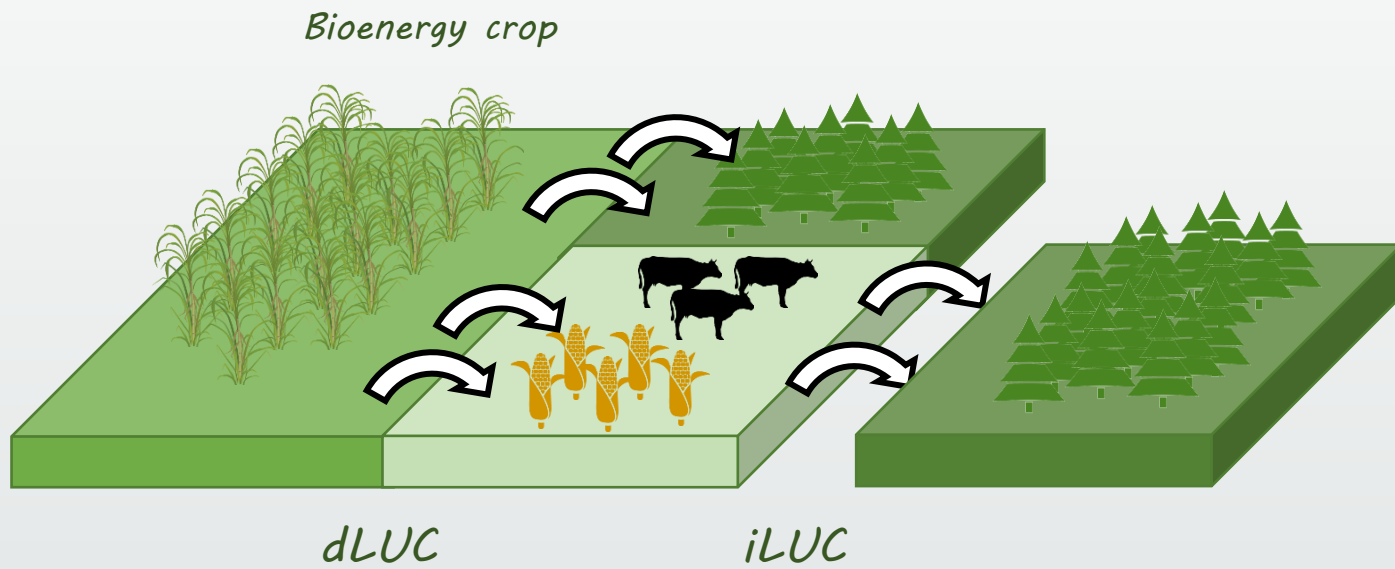


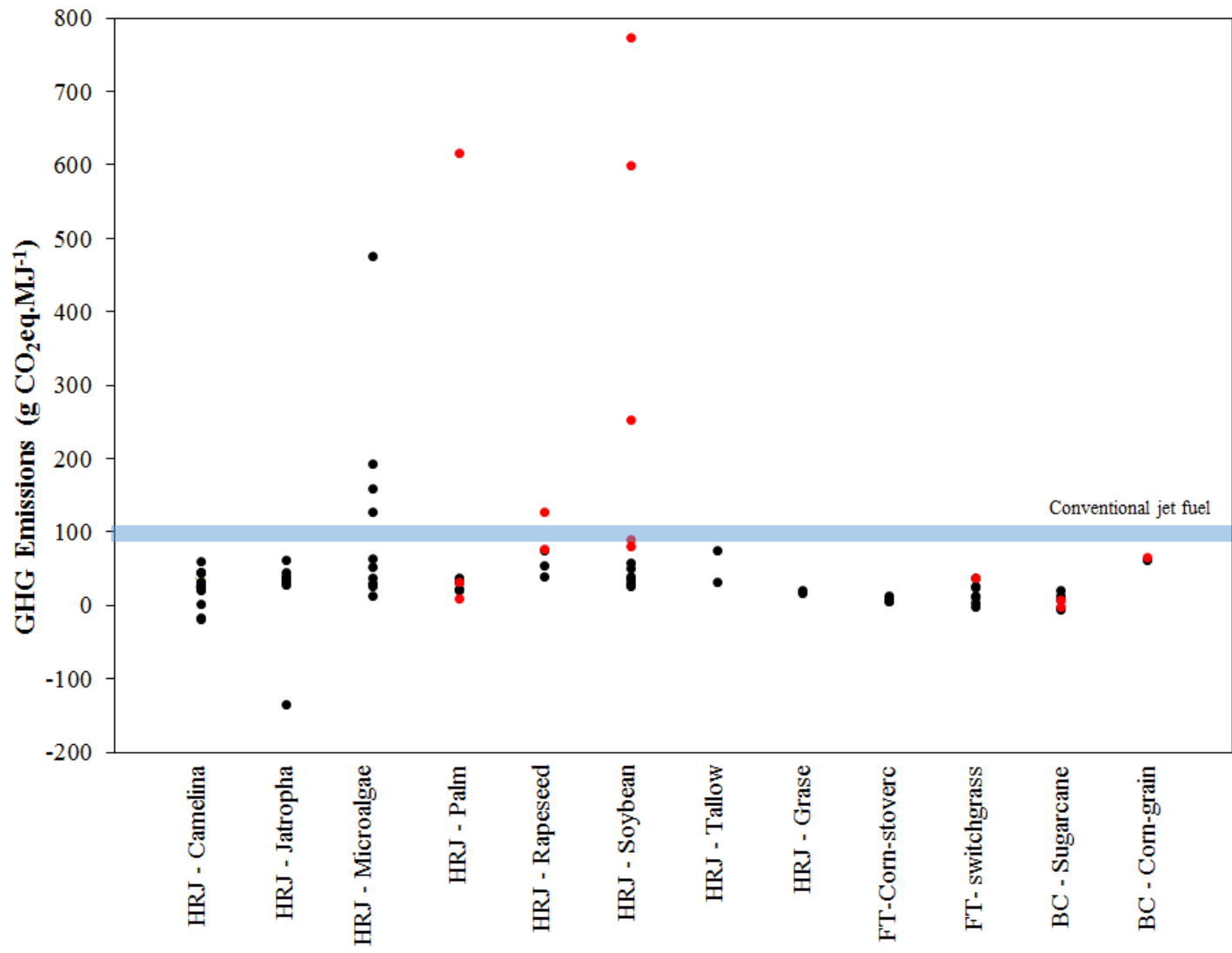
Atribucional vs. Consequencial



Diferença conceitual entre as abordagens

Land use change







- Carbon Offsetting and Reduction Scheme for International Aviation
- Offsetting requirements will be the difference between the international aviation CO2 emissions covered by the scheme and the average baseline emissions of 2019 and 2020.
- Three phases: pilot phase (from 2021 through 2023), first phase (from 2024 through 2026), and second phase (from 2027 through 2035).
- International aviation may address and offset its emissions through the reduction of emissions elsewhere

Obrigado

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