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# ASSESSMENT ON ALTERNATIVE AVIATION FUELS DEVELOPMENT



1 January 2020 – 31 December 2022

## Project Objectives:

Aim 1: Improve physical and climate models to include alternative aviation use.

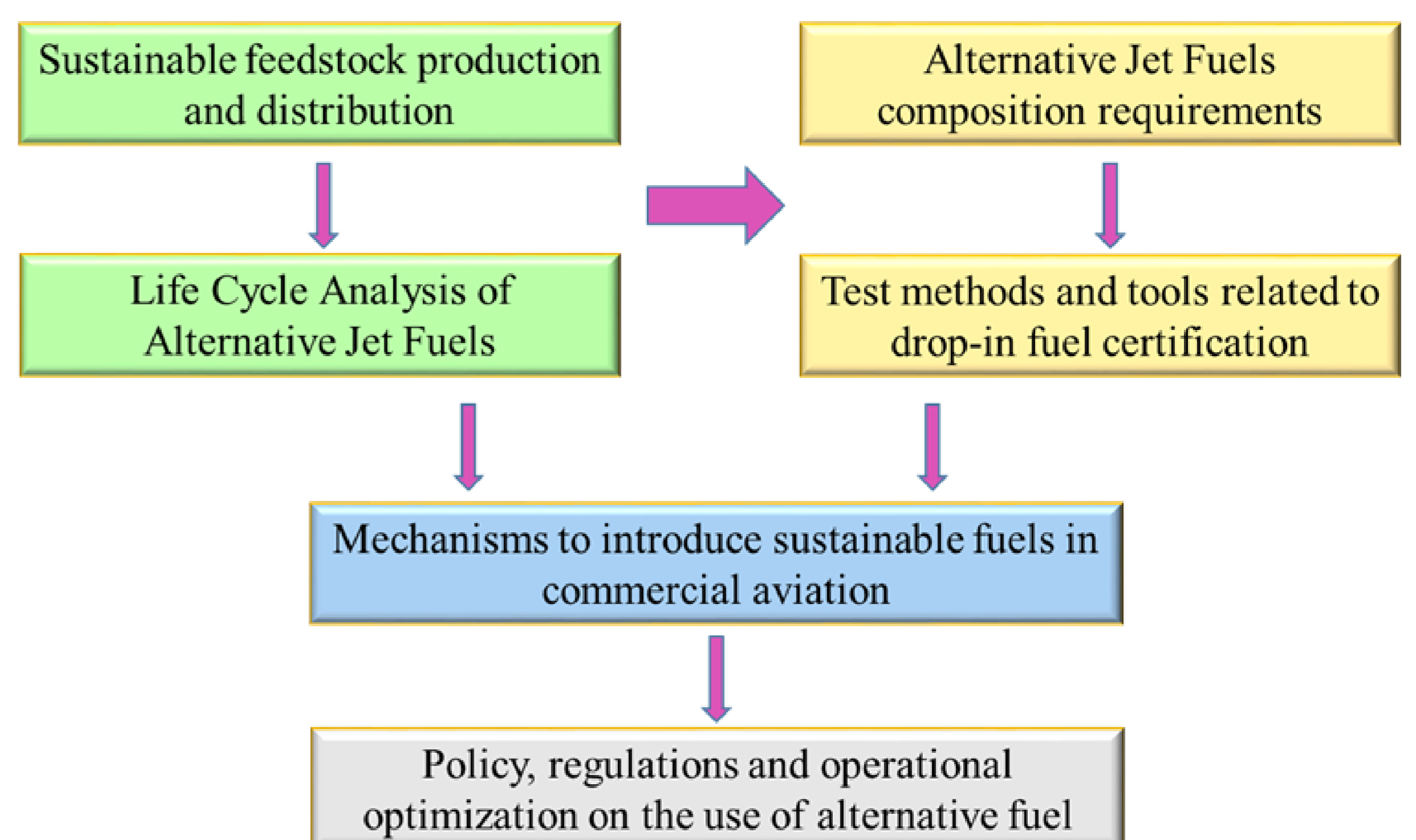
Aim 2: Development of a reliable and globally harmonized LCA approach

Aim 3: Reduce the fuel cost and time cost in drop-in jet fuel certification.

Aim 4: Protocols and guidance for alternative fuel introduction in the aviation sector

The overall aim is to reach a Technology Readiness Level (TRL) of about 3 to 4, but the TRL level to be reached will vary between the different developments in the project

## Work Packages:

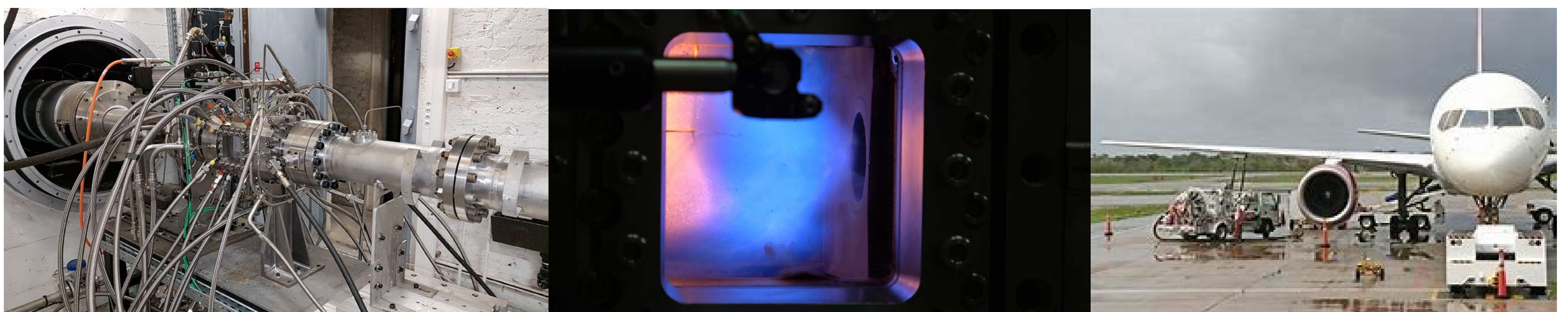


## Project Innovations:

Develop original assessment of the availability and impact of feedstocks selection, including uncertainty on land use

Improvement on methodological LCA. Development of flight-phase fuel burn/emissions models. Assessment on the differences between attributional and consequential LCA

Prediction of engine safety levels. Support certification, lowering the cost of production and certification



**MICADO test rig and combustor (Courtesy ONERA), refuelling operation (ieccetech.org)**

## Contact:

Prof. Gustavo Alonso, UPM [gustavo.alonso@upm.es](mailto:gustavo.alonso@upm.es)