



# ADVANCED BIOFUELS

## Advanced biofuels require a ramping up, long-term mandate to deploy

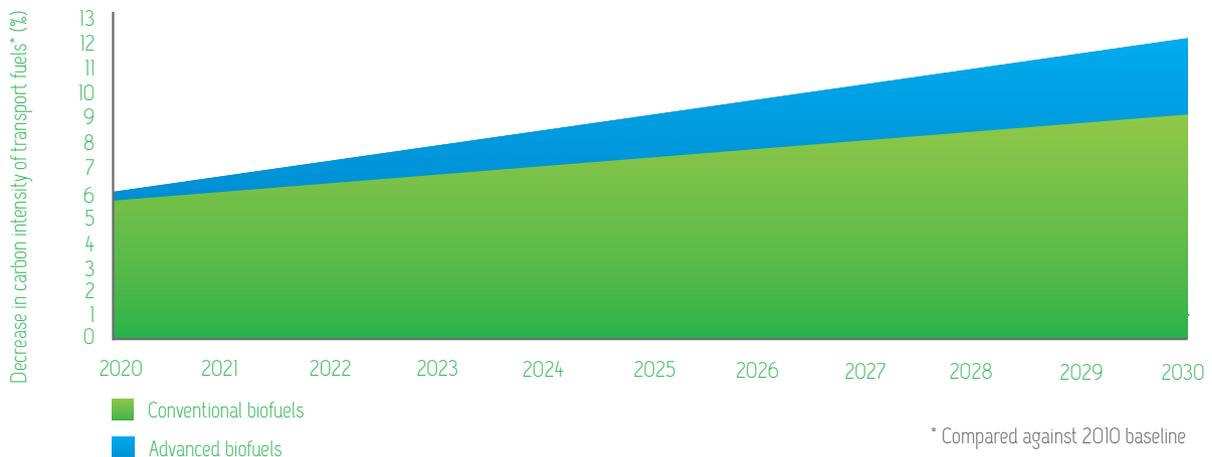
The Commission already has the stated aim of supporting the take-up and growth of advanced biofuels. EU policies to encourage the deployment of advanced biofuels before 2020 should therefore not only be maintained but improved.

Mandating the consumption of advanced biofuels within a defined regulatory framework that would make new investments in advanced biofuels technology and production bankable and feasible.

### POLICY RECOMMENDATIONS

1. A binding target of at least 3% of the 12% reduction of the carbon intensity of transport fuels must come from advanced biofuels in 2030<sup>16</sup>.
2. Within 5 years of the adoption of the 2030 Climate and Energy package, the EU should establish a binding target for at least 2% of the reduction of the carbon intensity of transport fuels to come from advanced biofuels. The EU should then take stock of progress made in meeting this minimum target and if reached then confirm the 2030 mandate and at the same time define a 2035 mandate.

The role of an advanced biofuels mandate in meeting a 12% fuels carbon intensity reduction target



3. Clarify the definitions of advanced biofuels, which today are based on a list of feedstocks contained in RED Annex IX-A, precluding grandfathering, defining both waste and residues.
4. The 'waste hierarchy' is an important guideline to reduce and manage waste. Departing from the hierarchy can be justified by life-cycle thinking on the overall impacts of the generation and management of such waste. The use of waste to refine biofuels should be considered similar to "Recycling" according to the "Waste Hierarchy" on the basis of life cycle analysis and no longer automatically considered at the same level as 'recovery' of energy from waste incineration.

16. This could be delivered by biofuels based on the following assumptions:

- In 2020: 8% biofuels in energy content, with advanced biofuels delivering 80% savings and conventional biofuels delivering 70% savings, against a fossil comparator of 94.1 gCO<sub>2</sub>eq/MJ
- In 2030: 15% biofuels in energy content, out of which 3.5% advanced biofuels in energy content delivering 90% savings, and the rest conventional biofuels delivering 80% savings, against a fossil comparator of 94.1 gCO<sub>2</sub>eq/MJ