Sustainable aviation fuels (SAF) are a critical part of making aviation a viable low-carbon transport solution. While drop-in fuels could totally replace conventional jet fuel within a few years, hydrogen-based solutions would require major changes in both aircraft and ground infrastructures.

**DROP-IN FUELS**
- BIOFUELS
  - Compatible with current aircraft and infrastructure
  - Used cooking oils, animal fats, household, farm and forest waste

**SYNTHETIC FUELS**
- Processing unit
  - Combination of CO₂ and hydrogen
  - Captured CO₂

**HYDROGEN**
- Requiring the construction of new aircraft and infrastructure
  - Hydrogen produced by electrolysis
  - Low-carbon electricity
  - Storage and transport of liquid hydrogen at -253°C, taking up 4 times more space

**TODAY**
- 50% jet fuel
- 50% drop-in fuel

**IN THE FUTURE**
- 100% drop-in fuel