ISCC – Solution Provider for Aviation
ISCC for alternative jet fuels

- Key market for ISCC is renewable energy, in particular **low carbon fuels** (biological and non-biological origin)
- **Large volumes** of certified feedstock basis available which could be used for alternative jet fuels
- **Major fuel producers** members of ISCC and active users of the system
- **ISCC certified HEFA (Hydro-processed esters and fatty acids)** had been used by Lufthansa
- ISCC is active in the development of Carbon Offsetting and Reduction Scheme for International Aviation – **CORSIA**
- ISCC is involved in a practical project analyzing **reporting and monitoring requirements** in supply chains of multi-blends of fossil and sustainable jet fuels
Development of kerosine consumption and GHG emissions in aviation

Strategic Considerations for Sustainable Aviation Fuels

The Paris Agreement together with the analyses by IPCC, the IEA, and oil majors provide the background and targets for the transport sector:

- Controlling GHG emissions needs to start the sooner the better
- Many Sustainable Aviation Fuels (SAF) are in the process of being developed
- Currently, bio-based SAF can quickly be put into practice

In the long-term they provide the opportunity for providing the necessary net-negative emissions in the second half of the century

The 2030 Agenda for Sustainable Development sets the rules against which the sustainability of alternative aviation fuels should be judged:

- Ecologic: High GHG savings overall (including negative side effects) and protect eco-system services globally
- Social: Comply with human, labor, and land rights and avoid challenges to food security
- Economic: Provide adequate income for all actors in the supply chain

Short and long-term opportunities and needs for SAF

Guiding principles for Sustainable Aviation Fuels
Sustainable products can be traced in a step by step approach. Companies forward relevant information with sustainability declarations.

* Farms/Plantations – Points of origin can get certified on a voluntary basis. Usually they are covered under the certificate of the First Gathering Point (FGP)/Collecting Point (CP). In this case they issue a self-declaration to the FGP and are audited on a sample basis.
Several members of the ISCC association are active in sustainable aviation fuels.
ISCC participated this year at the IATA Alternative Fuel Symposium conference in Singapore.
Facilitate the deployment of alternative fuels for aviation

- Already numerous feedstock supplies for SAF available
- Using existing schemes will help to make commercial volumes available. It also reduces the burden on companies in the supply chain and will increase acceptance
- ISCC is a well experienced certification scheme with innovative tools to verify deforestation-free supply chains and support new waste/residue feedstocks
Many thanks for your attention!

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