



Nordic flights on sustainable fuel

The first flights on sustainable fuel have been completed in Nordic domestic traffic. - Friday, November 7, SAS flew for the first time on an alternative fuel - that does not have fossil origin - mixed with conventional jetfuel. The flight was operated on the route Stockholm-Östersund. On Tuesday, November 11, both SAS and Norwegian flew on a mixture of sustainable fuel with conventional jetfuel from respectively Tromsø and Bergen to Oslo.

These flights prove that there are new workable solutions and that actions should focus on ensuring that such solutions are also developed and commercialized in the Nordic region

The sustainable fuel is produced from used cooking oils in the US. The oils are subsequently converted to kerosene, or Jet A1, which is the product used in international civil aviation.

Before fueling the aircraft the product is certified and checked in accordance with the international standards ASTM D7566 and D 1655. Briefly this implies that the alternative fuel is fully on a par with conventional fuel - namely that it has the same properties in terms of requirements to temperatures, density, ignition abilities, viscosity, energy-efficiency etc.

Until now the certifications allow a blend-in up to 50% alternative fuel with the conventional fuel. - SkyNRG and Statoil Aviation delivers the alternative fuel and it is organized in close collaboration with SAS, Norwegian, the airports Swedavia and Avinor, and the environmental organization Zero from Norway.

The aim is that alternative and sustainable jet fuel should be developed and produced in the Nordic Region from by-products from agriculture, forestry, fishing and other suitable products from industries- and households surplus oils and residues related to food production, farming and so on. It should be underlined that sustainability is a key aspect choosing feedstock. In the long term algae might also be an attractive feedstock for the production of biofuel!

As a Nordic facilitator for the development of sustainable aviation, NISA very much welcome these flights! The initiatives underline - as a first step - the desire in the Nordic Region that we are aware of the many options available in developing and producing sustainable jet fuel with reduced GHG emissions.

NISA represent the vast majority of airports, airlines and related industry organizations in the Nordic countries - as well as Airbus and Boeing. The parties involved in NISA have come together to reduce aviation emissions and to find solutions to ensure access to sustainable and commercially available fuels.

Aviation is an essential part of the infrastructure in the Nordic Region as well as in the internationally community and there are until now no other solutions than biofuels to replace fossil-based fuels. - Hopefully the accomplished flights using converted cooking oils help to increase the interest in alternative and sustainable solutions in the Nordic Region.

More information on sustainable aviation and a list of NISA members: www.cleancluster.dk/NISA
NISA contact: Martin Porsgaard, Phone +45 52198910, email: map@cleancluster.dk

Nov 11, 2014