

A quick guide to

# SAS SUSTAINABILITY GOALS AND AMBITIONS

Aviation plays an important role in society by connecting communities, cultures and people in a time-efficient way. Therefore, we need to make air travel more sustainable. Sustainable development is crucial for society and SAS intends to be at the forefront of bridging the gap to sustainable air travel. Our initiatives going forward involves both global collaborations and internal initiatives.

## OUR FOCUS AREAS TO REDUCE EMISSIONS

Our environmental program includes the following emission-related areas:

- Increase fuel efficiency
- Biofuel & Emerging technologies
- Sustainable Products & Services

**2.4%**

of Norway's total CO<sub>2</sub> emissions are emitted by domestic flights in Norway

**1%**

of Sweden's total CO<sub>2</sub> emissions are emitted by domestic flights in Sweden

**0.5%**

of Denmark's total CO<sub>2</sub> emissions are emitted by domestic flights in Denmark



To exemplify, air traffic departing from Swedish airports<sup>1</sup> account for about 5% of all CO<sub>2</sub> emission in Sweden<sup>2</sup>. This can be compared to Swedish industries that account for over 27% of emissions and domestic use of fuel-operated vehicles account for over 25%.

- 1) Domestic and abroad, that is included in Sweden's official climate reporting  
2) Naturvårdsverket, 2017

## ACCESSIBILITY IS KEY

for global growth and a prerequisite for trade, tourism and cultural exchange. The value of all 90 million trips to, from and within Scandinavia 2016/2017 amounted to about SEK

**110  
BILLION**

## OUR GOALS

For a more sustainable SAS

To make air travel more sustainable, we've set a new goal to reduce our total carbon emissions by 25% by 2030. We expect to be able to reduce half of these emissions by renewing our fleet and making other improvements and the rest by transitioning to biofuels.

**100%**

recycling where applicable in 2030

**100%**

sustainable materials in the SAS customer offering by 2030

**>50%**

lower CO<sub>2</sub> emissions in 2050 compared to 2005

Reduced CO<sub>2</sub>  
**25%**

by 2030  
VS 2005

**50%**

noise reduction in 2030 VS 2010

**17%**

biofuel used by 2030 – equivalent to the total SAS domestic production

# INITIATIVES AND IMPROVEMENTS IN FY2018

## 9 BRAND NEW A320NEOS

The new A320neo have 15-18% lower fuel consumption compared with aircraft of previous generation.

## BIOFUEL

SAS purchased approximately 100 tonnes of biofuel during the fiscal year, and continued to actively promote the commercialization of biofuel for aircraft.

## PREEM COOPERATION

Letter of intent with PREEM to supply 200,000 cubic meter of renewable jet fuel from 2022, which would meet 10-12% of our total fuel demand.

## YOUTH AND EUROBONUS CO<sub>2</sub> OFFSETTING

CO<sub>2</sub> offsetting for all youth tickets as of April 2018 and offsetting of all Eurobonus members' tickets as of Feb 2019 on SAS flights.

## CO<sub>2</sub> EMISSIONS

Decreased over 1% year-on-year per passenger.

**1.4%**

reduction in CO<sub>2</sub> emission per passenger kilometer since FY2017

**13.3%**

reduction in CO<sub>2</sub> emission per passenger kilometer since 2010

Increased production with

**21.1%**

since 2005, whilst CO<sub>2</sub> emissions have decreased with 3.1% - and with 22% per passenger km

SAS CO<sub>2</sub> emissions per passenger kilometer is currently (R12)

**95 GRAMS**

To compare, cars in Sweden emitted

**123 GRAMS**

per kilometer during 2016.

## UN SUSTAINABLE DEVELOPMENT GOALS

As a leading airline in terms of reducing our climate impact, promoting resource efficiency and creating an attractive workplace, four of the SDGs are closely aligned to our sustainability agenda:



## KEY INITIATIVES 2018-2020

