CO_2 AND NON-CO_2: FROM SCIENCE TO FLIGHT PLANS

EUROCONTROL – IFATCA - SESAR JOINT UNDERTAKING Conference 2026

Anthony Garcia - EU Environmental Affairs
October 2026

AIRBUS

Tackling Non-CO_2 Impacts: Research & Operational Trials

Avenue 1: Technical Solutions

Aircraft Design, Engines & Fuels

ECLIF3 Flight Tests (100% SAF) :
In-flight measurements behind aircraft using SAF

VOLCAN Project (Lean burn combustion) :
Investigated combustor technology with higher air usage.

PACIFIC (Ground tests) :
Ground tests: fuel composition and combustion parameters.

Avenue 2: Operational Strategies

Flight Planning & Contrail Avoidance

CICONIA Project :
Rerouting simulation around Ice-Supersaturated Regions (ISSR) to avoid persistent contrails.

Enablers Required for Deployment at Scale:

High-Altitude Weather Forecasting

Operational Concepts & Trials

Flight-by-Flight Climate Impact

AIRBUS