

THE INTERNATIONAL COALITION FOR SUSTAINABLE AVIATION PRESENTS



THE AVIATION DECARBONIZATION FORUM

TUESDAY, FEBRUARY 12

AGENDA

8-9a Registration and Continental Breakfast

9-9:15a Welcome and Opening Remarks

MODERATOR CHRIS LYLE

FRAeS, Chief Executive
Air Transport Economics

SPEAKER Tim Johnson

Director, Aviation Environment Federation;
ICAO CAEP Observer for the International
Coalition for Sustainable Aviation (ICSA)

**9:15-10:15a The Global Decarbonization Challenge
and Aviation Within it: Where are we now,
where are we going?**

What does the new IPCC Special Report on 1.5°C tell us about how much we must reduce greenhouse gas emissions? What should aviation's fair share of these emissions reductions be and how does this compare to ATAG's 2050 aspirational target?

SPEAKERS Dr Heleen de Coninck

Associate Professor in Innovation Studies at
the Environmental Science Department at
Radboud University's Faculty of Science;
Coordinating Lead Author for Chapter 4 the
IPCC Special Report on 1.5°C

Dr. Martin Cames

Head of Energy & Climate Division,
Öko-Institut, Berlin

10:15-10:30a COFFEE BREAK

10:30-11:30a **Unlocking Greater Near-Term Efficiency While Transitioning To The Next Generation of Aircraft**

Airlines have strong incentives to increase aircraft efficiency, but progress is not happening fast enough. This session will help audience members identify the barriers and potential solutions to unlocking near-term emissions reductions and understand what governments and industry must do to encourage radically more efficient plane designs to take to the skies.

SPEAKER **Ir. Joris Melkert**
TU Delft, Aerospace Engineering

11:30a-1p **Future of Liquid Aviation Fuels**

Biofuels are looked to by the aviation industry as the primary technological advancement that will drive aviation's deep decarbonization. However, sustainability and commercialization challenges abound, indicating that aviation might additionally need *electrofuels* (a.k.a. *synfuels* or *power-to-liquids*).

SPEAKERS **Dr. Chris Malins**
Cerulogy, London
Dr. Harry Lehmann
General Director, Environmental Planning and Sustainability Strategies, Federal Environment Agency (UBA), Germany

1-2p **LUNCH**

2-3p **Addressing Non-CO₂ Effects of Aviation**

While scientists studying the complex science of aviation non-CO₂ climate effects are still learning, they confidently estimate non-CO₂ impacts to be a sizable percentage of aviation's impact on the climate. What are the opportunities to finally begin tackling this part of aviation's impact on our climate?

SPEAKER **Dr. Volker Grewe**
Professor, Deutsches Zentrum für Luft- und Raumfahrt (DLR), Institut für Physik der Atmosphäre, Oberpfaffenhofen
Chair for Climate Effects of Aviation, Delft University of Technology

3-3:15p **COFFEE BREAK**

3:15-3:45p **Making Zero-Carbon Aviation a Reality**

What can a comprehensive and meaningful vision of decarbonization look like for the aviation sector? The Energy Transition Commission's recent report *Mission Possible: Reaching Net-Zero Carbon Emissions From Harder-To-Abate Sectors by Mid-Century* does just that, considering many of the technological transition questions discussed earlier in the day.

SPEAKER **Adam Klauber**
Representative for the
Energy Transition Commission

3:45-4:30p **Final Reflections and Close**
Moderated discussion with all previous panelists.