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
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

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

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

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

Final Reflections and Close

Moderated discussion with all previous panelists.