



ICAO



# ICAO AVIATION CLIMATE WEEK 2026

MONTRÉAL, CANADA | 2 - 4 JUNE



# Session 1: Climate Effect Outlook CO<sub>2</sub> and Non-CO<sub>2</sub> Aviation Emissions



**Dr. Neil  
Dickson**

Chief, Environmental Standards  
Section, ICAO

Moderator



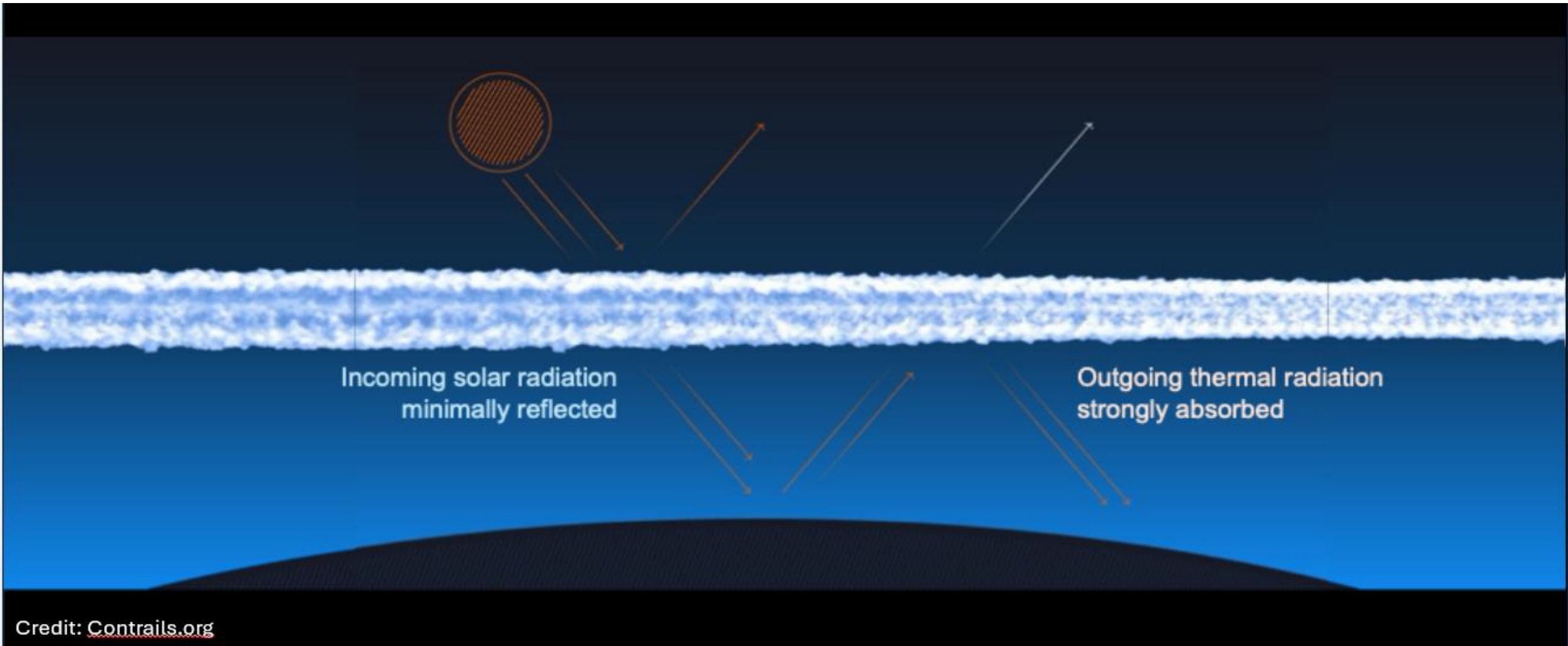
**Dr. Andreas  
Petzold**

Co-coordinator, In-service Aircraft for a  
Global Observing System (IAGOS),  
Forschungszentrum Jülich

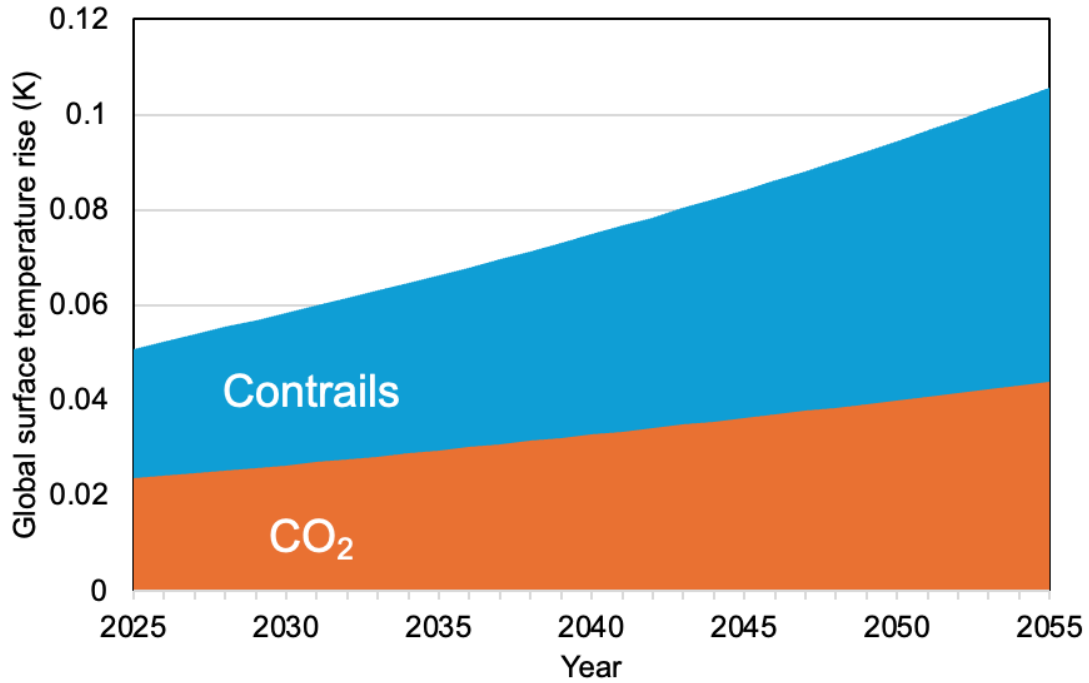


**Dr. Marc  
Stettler**

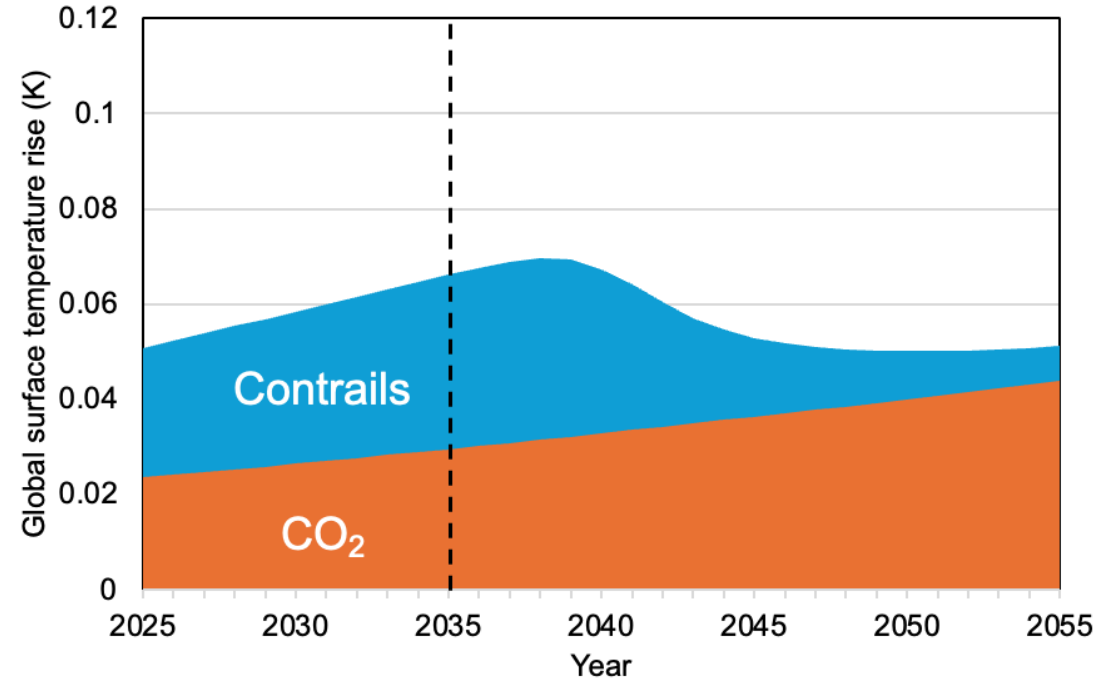
Professor in Transport and Environment,  
Imperial College London



No contrail mitigation



Contrail mitigation starting in 2035



Citation: Smith et al. (2026). The climate opportunities and risks of contrail avoidance. *Nature Communications*.

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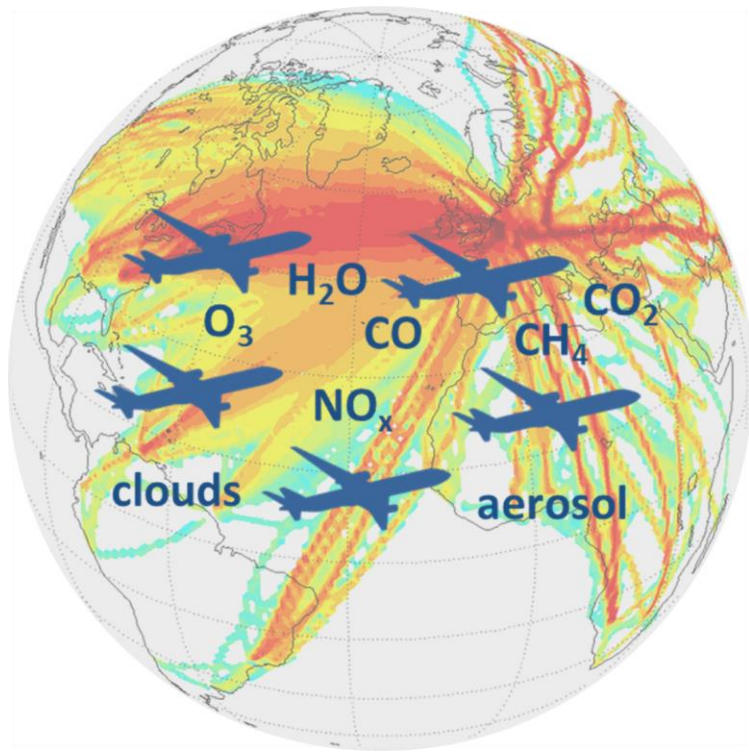
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## European Research Infrastructure for monitoring climate and air quality using commercial aircraft

Aviation Climate Week 2026



- 8 AIRLINES
- 11 AIRCRAFT  
Airbus A330/A340
- 8 RESEARCH INSTITUTES
- 30 YEARS of data since 1994
- 330 VISITED AIRPORTS
- 470 PEER REVIEWED PUBLICATIONS

### 2 METHODS



8 Essential Climate Variables  
10 aircraft, daily flights



100 atmospheric components  
1 aircraft, 4 flights per month

Lufthansa AIRFRANCE CHINA AIRLINES CATHAY PACIFIC IBERIA HAWAIIAN AIRLINES discover airlines AIR CANADA



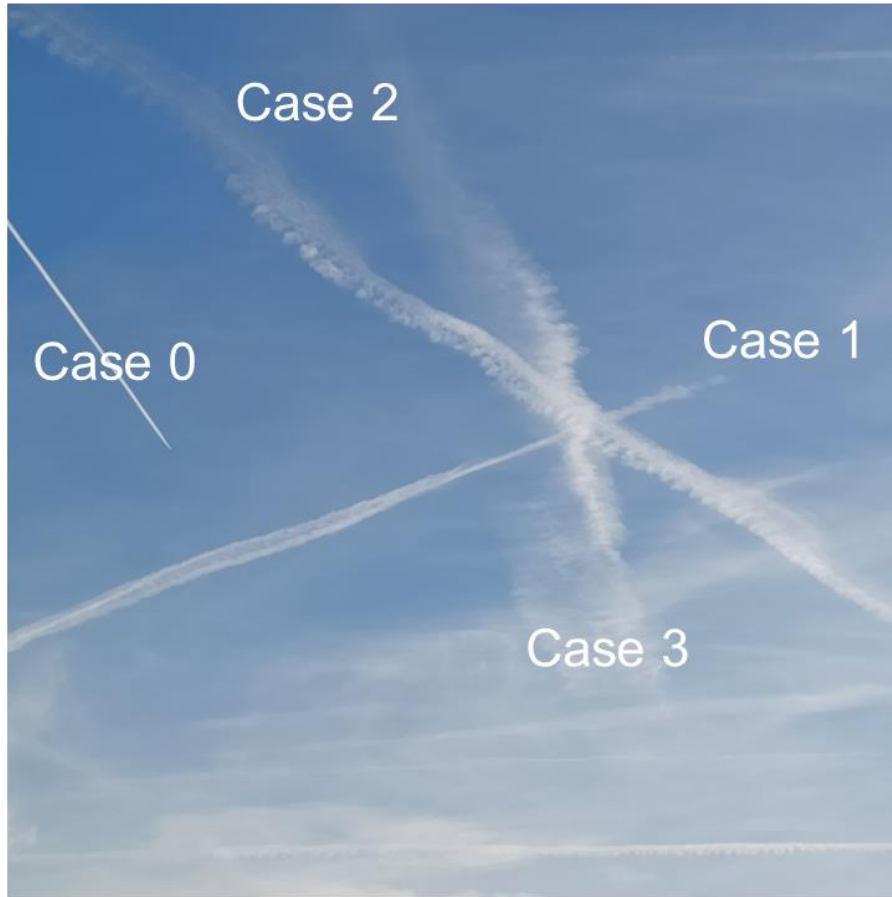
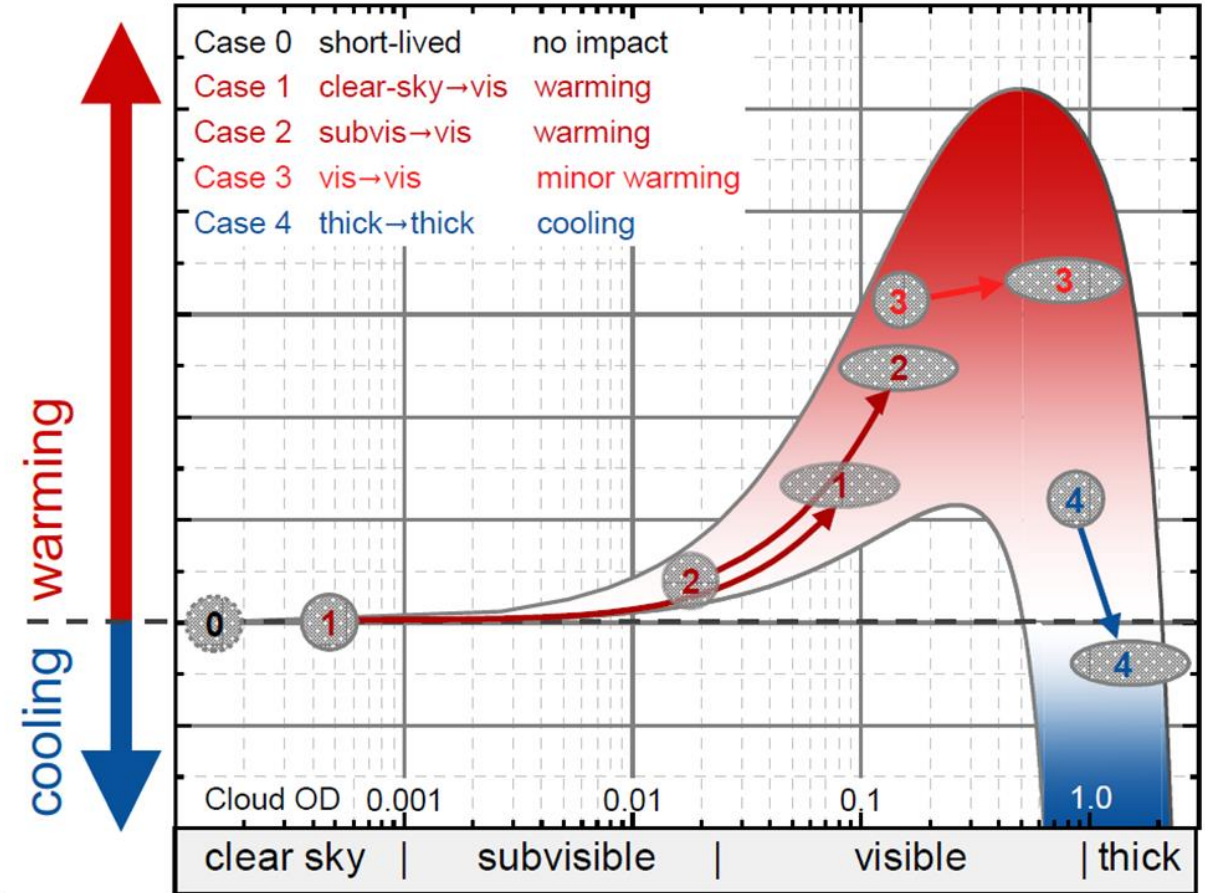


Photo: Jülich, October 2022 by A. Petzold



Petzold et al., Nat Commun, 16, 9695, 2025.

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# Thank You



MONTREAL  
HQ

PARIS  
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