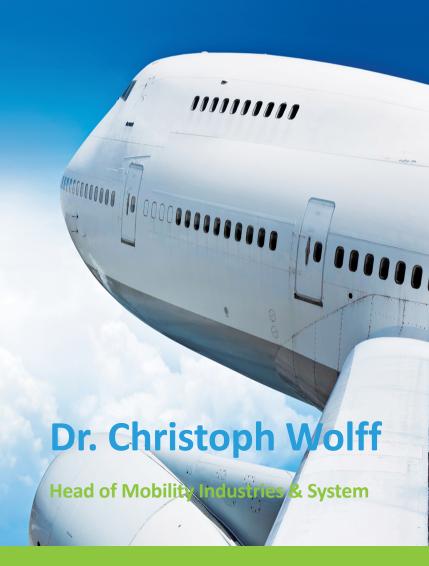
## Clean Skies for Tomorrow





## CLEAN SKIES FOR TOMORROW: THE BURNING PLATFORM

Protesters take a stand for the environment as High Court considers legal challenge to Heathrow expansion

London climate change protesters Extinction Rebellion plan to disrupt Heathrow Airport on busy Easter holiday weekend

Flight decisions matter for climate change

Airlines scramble to overcome polluter stigma as 'flight shame' movement grows

#### The Case for Ditching Air Travel

Slow travel is popular in Europe and catching on in the U.S. It's not a bad way to ease your climate (and possibly flight) anxiety.

# These people want you to be ashamed of flying. Should you change your vacation plans?

A Swedish movement to reduce air travel is getting worldwide attention as the summer vacation season begins. What's the most ethical way to travel, and could 'flight shame' become a thing here?

How Greta Thunberg and 'flygskam' are forcing aviation industry to act on climate change

If Seeing the World Helps Ruin It, Should We Stay Home?

In the age of global warming, traveling — by plane, boat or car — is a fraught choice. And yet the world beckons.

Flight shaming is taking off - can travel be more ethical?

Climate-change protesters say they will target London's Heathrow Airport

Climate Change Poses Major Risks to Financial Markets, Regulator Warns



## CLEAN SKIES FOR TOMORROW: EARLY LEADERSHIP BY SOME

Sustainability Series: European airports sign NetZero2050 agreement

This Oil Major Says Net Zero Emissions Is 'The Only Way To Go' (Shell)

Air Travel And Climate Change: KLM's "Fly Responsibly" Campaign

United's June 5 'Flight for the Planet' fueled with biofuel blend

Heathrow offers free landing charges for a year to UK's first electric plane Preparing for take-off? Aviation biofuel project wins £5m boost (BA, Velosys)

Boeing invests \$1 million in Brazil's sustainable aviation fuel industry

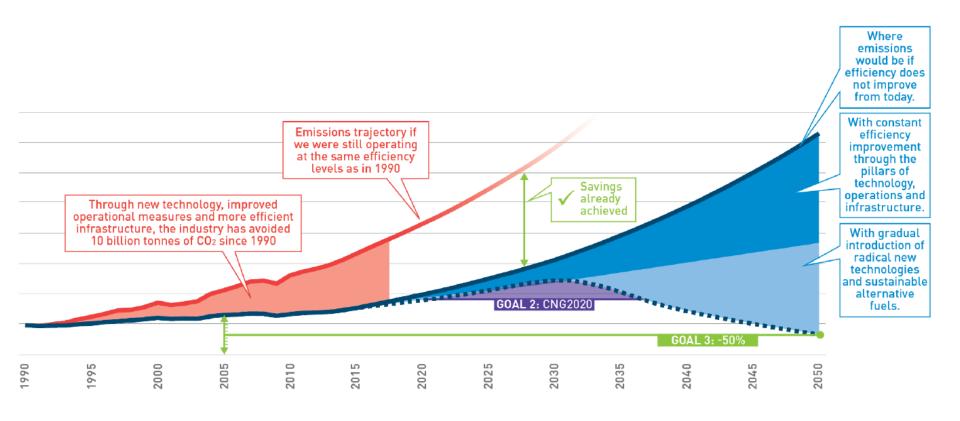
AIRLINES SLAM FRENCH MOVE TO IMPOSE "ECO-TAX".

Airbus, Rolls-Royce and Siemens to develop hybrid plane

## ICAO UNITING AVIATION

## **CLEAN SKIES FOR TOMORROW: CHALLENGE**

### Efficiency improvements alone will not be sufficient to reach industry goals



Data source: IATA (2013), IATA Technology Roadmap, 4th edition



## CLEAN SKIES FOR TOMORROW: A COMPLEX MULTISTAKEHOLDER CHALLENGE

### **Engaged and Interested Actors**



#### Civil Society: Airports:

-AEF\* -ACI

-Climate Works -Heathrow\*

-ETC\* -San Francisco

-EDF\* -Schiphol\*

-RMI\*

-Nature Conservancy



#### **Regulators:**

-ICAO\*

-FAA



#### **Airlines:**

-ATAG\*

-Cathay

-IAG\*

-KLM\*

-Lufthansa\*

-United\*

#### **Manufacturers:**

-Airbus\*

-Boeing\*

-Dassault\*

-Embraer

-Rolls Royce

-Siemens\*



#### **Financial Institutions:**

-Citi\*

-BNP Paribas\*

-Goldman Sachs





**Passengers** 

#### **Corporations:**

-Accenture

-McKinsey\*

#### **Alternative Fuel:**

-Carbon Engineering\*

-Fulcrum

-Lanzatech\*

-SkyNRG\*



#### **Fuel Producers:**

-BP\*

-Occidental\*

-Neste\*

-Petrobras

-Shell\*

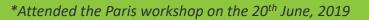
-Total\*



## Agriculture:

-Cargill

Yara





## CAO UNITING AVIATION

## CLEAN SKIES FOR TOMORROW: THE OPPORTUNITY

### 6 action pathways following the Paris workshop



CULTIVATE DEMAND SIGNAL – Voluntary action for price premium



ALIGHMENT WITH CORSIA – Align with SAF & Offset standards



ESTABLISH GEOGRAPHIC PROGRAMS (1) – building alliances of hubs for SAF *demand* with progressive airlines, airports, fuel comps.



ESTABLISH GEOGRAPHIC PROGRAMS (2) – building alliances of *production* hubs for SAF (India, LATAM, MENA)



PARTNER WITH FINANCE INDUSTRY— pool capital & address climate risk



COOPERATION – Work closely with ICAO, IATA, ACI, Member States



## ICAO UNITING AVIATION

## **CLEAN SKIES FOR TOMORROW: TIMELINES**

### **CST Roadmap**

**Determine Aviation Coalition Ambitions for 2019-2020** 

- · Identify action areas
- Coalition Partners

Formalise ambitions & initiate agreed actions

• Implementation Roadmap

Continue deployment of agreed actions and initiate pilot

- 2<sup>nd</sup> expert workshop
- Announcement of Roadmap and official partnerships
- Action teams work



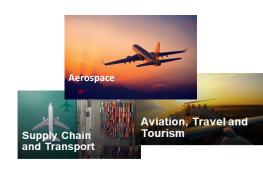


## CLEAN SKIES FOR TOMORROW: WHY THE WORLD ECONOMIC FORUM

### How do we achieve change?

**Create Communities** 

The Forum gathers leaders from business, government, international organizations, academia, civil society and youth to work together to drive positive change.



Shape agendas and mindsets

Flagship reports, policy frameworks and strategies influence government priorities, business strategies and public opinion.



**Execute Projects** 

Partners drive collective action through commitment to multi-stakeholder initiatives. Projects and collaborations started or supported by the Forum impact millions of people.

e.g., Drones and Tomorrow's Airspace, Clean Skies for Tomorrow, Space Sustainability Rating

### ICAO UNITING AVIATION CLEAN SKIES FOR TOMORROW: ICAO AND THE FORUM

How do we partner: Formal MOU being worked on now

- 1. Known Traveler Digital Identity (active)
- 2. Clean Skies for Tomorrow (in progress)
- 3. Drones and the Future of Airspace (in progress)
- 4. Cybersecurity in Aviation (in progress)
- 5. Airways Bill (in scoping)



