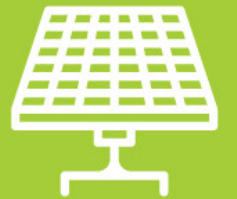
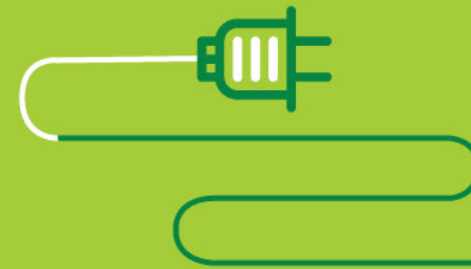


2021 ICAO STOCKTAKING

EVENT DIRECTORY



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PARTICIPANT GUIDE

REGISTRATION & ACCESS

01. The virtual 2021 ICAO Stocktaking event is **free to attend - registration is required.**

02. Click [here](#) to register online. Should you have any issue registering, please contact registration@icao.int.

03. This event can host a limited number of participants; therefore, registration is on a **first-come, first-served basis.**

04. Each participant will receive a **unique Zoom link**, which is not to be transferable.

05. The connection details to join the virtual event will be provided by email from webinar@icao.int closer to the start of the event.

06. A free Zoom account is required to join the event. Please visit www.zoom.us/signup to create an account.

ICAO TV

After the event, you can rewatch your favorite sessions and panels from anywhere and on any device from ICAO TV.



CLICK HERE

2021 ICAO STOCKTAKING



02



SPEAKERS PROFILES



**Click here to view the full speakers
list and bios**

CLICK HERE

03



AGENDA

DAY 1

TUESDAY, AUGUST 31

07:50 – 8:00

OPENING SPOTLIGHT

Sponsored by SMARTENERGY



08:00 – 8:40

OPENING

Moderator: Mohamed Rahma, Director, Air Transport Bureau, ICAO

- **Juan Carlos Salazar**, Secretary General, ICAO
- **Robert Courts MP**, UK Aviation Minister
- **Amina J. Mohammed**, Deputy Secretary General of the United Nations & Chair of the United Nations Sustainable Development Group
- **Fatih Birol**, Executive Director, International Energy Agency (IEA)

08:40 – 8:50

HOUSEKEEPING AND INTRODUCTION

- **Jane Hupe**, Deputy Director, Environment, ICAO

8:50 – 8:55 // BREAK/ANNOUNCEMENTS

BOMBARDIER

08:55 – 9:50

AVIATION AND THE IMPORTANCE OF EMISSIONS REDUCTION GOALS

The session provides an overview of global climate change, including the latest consensus science, the importance of sustainability, and how technological innovations can lead to major reductions in aviation CO₂ emissions. The session will include how ICAO's work is answering the call to tackle the impact of aviation on the global climate.

EMISSIONS REDUCTION GOALS: THE BIG PICTURE

- **Valerie Masson-Delmotte**, WG1 co-Chair, Intergovernmental Panel on Climate Change (IPCC)
- **Willie Walsh**, CEO, IATA
- **Neil Dickson**, Chief, Environmental Standards, ICAO

EMISSION REDUCTION GOALS: YOUTH INNOVATORS ACTING NOW

- **Laurent Joly**, Head of the Department for Aerodynamics, Energetics and Propulsion, ISAE-SUPAERO
- **Brandon Van Schaik**, Founder & Advisor, Falcon Electric Aviation
- **Meredith Adler**, CEO, Student Energy



9:50 – 10:00 // BREAK/ANNOUNCEMENTS

BOMBARDIER

10:00 – 11:30

AVIATION GOALS AND ROADMAPS: SETTING A CLEAR DECARBONIZED PATH FORWARD

The emergence of new roadmaps from key aviation stakeholders is showing the way forward for achieving CO₂ emissions reductions, and many of these are setting clear de-carbonization pathways for the aviation sector.

This session will hear the latest on the development and implementation of roadmaps from governments, industry and other aviation stakeholders that have committed to major reductions in CO₂ emissions from international aviation, and will look into their synergies and differences as they contribute to the ICAO work on the feasibility of a global aspirational goal including the development of options and roadmaps for realization.

- **Holly Greig**, Deputy Director, Aviation Decarbonisation Division, UK Department for Transport
- **Rachid Rahim**, Head of Aviation Environmental Protection, Qatar Civil Aviation Authority
- **Marina Köster**, Deputy Director-General Aviation, Federal Ministry of Transport and Digital Infrastructure (BMVI), Germany
- **Mikhail Gordin**, Director General of CIAM, Russian Federation
- **Rob Gurney**, CEO, oneworld Alliance
- **Luis Felipe de Oliveira**, Director General, Airports Council International (ACI World)
- **Vincent De Vroey**, Civil Aviation Director, Aerospace and Defence Industries Association of Europe (ASD)
- **Brian Moran**, VP of Global Sustainability Policy and Partnerships, Boeing
- **Jim Herbertson**, Technical Director – Climate and Energy, IPIECA

11:30 - 11:45 **CLOSING**

11:45 - 12:05 **CLOSING SPOTLIGHT**
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DAY 2

WEDNESDAY, SEPTEMBER 1

07:50 – 8:00 **OPENING SPOTLIGHT**
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08:00 – 08:15 **KEYNOTE OPENING FOR DAY 2**

- **His Excellency Ban Ki-moon**, Eighth United Nations Secretary General

08:15 – 09:55 **AIRCRAFT TECHNOLOGIES: BUILDING THE SUSTAINABLE AIRCRAFT OF THE FUTURE**
Innovation in technology is crucial to building the sustainable aircraft fleet of the future, including the developments in airframe designs, materials and propulsion. Detail information will be provided on the consideration and tracking of all innovative aircraft technologies, including in the context of ICAO work on the feasibility of a long-term aspirational goal. The session will also include a panel of senior executives who will discuss their concrete plans to introduce major CO2 reduction technologies into the aircraft fleet.

- **Dimitri Mavris** and **Wendy Bailey**, ICAO CAEP LTAG Technology Subgroup co-leads
- **Arjan Meijer**, President & CEO of Embraer Commercial Aviation, Embraer
- **Sabine Klauke**, Airbus
- **Eric Dalbiès**, CTO, Safran Group
- **Scott Goobie**, Fellow, Integration and Product Environmental Performance, Product Development Engineering, Bombardier
- **Stéphane Viala**, SVP Engineering, ATR
- **Markus Fischer**, Divisional Board Member for Aeronautics, DLR
- **Geoff Hunt**, Senior Vice President Engineering and Technology, Pratt & Whitney
- **Matt Cherry**, GE Aviation, CFM RISE Program Technology Maturation Leader
- **Alan Newby**, Head of Future Technology and Innovation Hub, Rolls Royce

9:55 – 10:00 // BREAK/ANNOUNCEMENTS

BOMBARDIER

10:00 – 11:30

AVIATION FUELS: TRIGGERING AVIATION'S CLEAN ENERGY TRANSITION

The future fleet of aircraft must be fueled in a sustainable manner, and this session will aim to understand the variety of innovation for fuels and how they will be developed to realize CO₂ reductions.

The session will consider drop-in sustainable aviation fuels and low carbon fuels, and those new fuels such as hydrogen and the use of electricity, including the latest ICAO work on aviation fuels in the context of a long-term aspirational goal. The session will also include a panel of senior executives who will discuss their major plans to introduce fuels that will lead to reductions in CO₂ emissions from international aviation.

- **Jim Hileman and Matteo Prussi**, ICAO CAEP LTAG Fuels Subgroup co-leads
- **Paul Durrant**, Head of End-use Sectors & Bioenergy, IRENA
- **Jimmy Samartzis**, CEO, LanzaJet
- **Kevin Weiss**, CEO, Byogy Renewables
- **Jeff McDaniel**, VP New Projects, Velocys
- **Christian Pho Duc**, CTO and Managing Director H2 Projects, SmartEnergy
- **Glenn Johnston**, Global Regulatory Carinata, Nuseed
- **Rohini Sengupta**, Senior Manager, Environmental Sustainability, United Airlines

11:30 - 11:45 **CLOSING**

11:45 - 12:05 **CLOSING SPOTLIGHT**
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DAY 3

THURSDAY, SEPTEMBER 2

07:50 – 8:00

OPENING SPOTLIGHT

Sponsored by SMARTENERGY



08:00 – 8:15

KEYNOTE OPENING FOR DAY 3

- **Knut Arild Hareide**, Minister of Transport, Norway
- **Borge Brende**, President, World Economic Forum

08:15 – 9:55

AIRPORTS, OPERATIONS, INFRASTRUCTURE: OPERATING IN A SUSTAINABLE FUTURE

The operation of aircraft in a sustainable manner, in the air and on the ground, will be considered by this session, including innovations for airports, operations and infrastructure, and the latest ICAO work on operations in the context of the exploration of a long-term aspirational goal. The session will also include a panel of senior executives who will discuss their initiatives on how the future fleet will operate, and how new fuels and energies will be delivered through airport infrastructure, to ensure greener and more sustainable aviation.

- **David Batchelor and Muayyed Al Teneiji**, ICAO CAEP LTAG Operations Subgroup co-leads

OPERATIONS SUB-SESSION

- Alexandre Feray, CEO, Open Airlines
- Phillip Buckendorf, CEO & Co-Founder, Airspace Intelligence
- David Brain, Operational Expert, EUROCONTROL
- Vincent Etchebehere, Air France
- Billy Thalheimer, Co-founder & CEO, REGENT Craft Inc

AIRPORTS AND INFRASTRUCTURE SUB-SESSION

- Videh Kumar Jaipurkar, CEO, Delhi International Airport Limited
- Michael Eggenschwiler, CEO, Hamburg Airport
- Mathieu Boutitie, CTO, Kansai Airports
- Stuart Bloomfield, Chief Development Officer, urban-Air Ports Ltd
- Xavier Vigor, Vice-President Technologies and Industrial Management, Air Liquide Hydrogen Energy



9:55 – 10:05 // BREAK/ANNOUNCEMENTS

BOMBARDIER

10:05 – 11:15

ENABLING THE SUSTAINABLE TRANSFORMATION OF THE AVIATION SECTOR

Enabling the transition to a decarbonized aviation sector requires interdisciplinary cooperation on a wide set of issues, involving a variety of stakeholders.

This session will aim to address various issues for the realization of innovations and green solutions, such as the costs associated with CO₂ mitigation measures including the development of technologies, operations, fuels and clean energy, and the required infrastructure. The session will also highlight other technical issues that should be addressed, such as the development of certification requirements, to realize the future sustainability of the sector.

- **Steve Csonka**, Executive Director, Commercial Aviation Alternative Fuels Initiative (CAAFI)
- **United Nations Environment Programme Finance Initiative (UNEP FI)** - TBD
- **Maxime Molenaar**, Programme Manager, SkyNRG
- **Ron Van Manen**, Chief Scientific Officer, CleanSky
- **Elena Schmidt**, Executive Director, RSB, and **Norbert Schmitz**, Managing Director, ISCC
- **Clyde Hutchinson**, General partner, Team ABC
- **JR Hammond**, Executive Director, Canadian Advanced Air Mobility

11:15 – 11:20 // BREAK/ANNOUNCEMENTS

BOMBARDIER

11:20 – 11:45 **CONCLUSION: KEY MESSAGES AND NEXT STEPS**

11:45 - 12:05 **CLOSING SPOTLIGHT**
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GREEN POLICY DAY

FRIDAY, SEPTEMBER 3

07:50 – 8:00

OPENING SPOTLIGHT

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The Green Policy Day will link the information and discussion by aviation sector innovators in the first three days, to the government policies needed to achieve the green recovery transition. Such green policies may include incentives for the deployment of technology, operations and fuels, as well as regulatory frameworks to facilitate the implementation of relevant measures including infrastructure, ensuring access to sufficient clean energy sources for aviation.

Governments, industry and civil society representatives will discuss green policies for the realization of a long-term global aspirational goal for international aviation. The Green Policy Day will also provide an opportunity for the international aviation sector to communicate its extensive efforts under ICAO, to ensure continued ICAO's leadership toward the 2022 Assembly and beyond.

08:00 – 08:15

WELCOME AND INTRODUCTION

- **Cora van Nieuwenhuizen**, Minister of Infrastructure and Water Management, Netherlands

08:15 – 09:55

GREEN POLICIES TO FOSTER SUSTAINABLE DEVELOPMENT OF AVIATION

In post-COVID-19 era, the green transition is gaining momentum. There is a growing number of States, businesses and organizations announcing net-zero commitments by 2050. As global environmental challenges are unprecedented in our history, we must learn to implement green aviation policies in a dynamic and proactive manner. This session will provide an opportunity to learn from the experiences of pioneers in the implementation of green policies for aviation, as contributors to the realization of CO₂ reduction measures.

- **Peter Stoett**, Dean and Professor, Faculty of Social Science and Humanities, Ontario Tech University
- **Renato Godinho**, Ministry of External Relations, Brazil
- **Daisuke Otsuka**, Director for Aviation Strategies Office, Civil Aviation Bureau, Ministry of Land, Infrastructure, Transport and Tourism, Japan
- **Hasan Mujahid**, Additional Director Safety & Quality, Pakistan CAA
- **Walid Al Rahmani**, Assistant Director General - Strategy & International Affairs, UAE
- **Thorsten Lange**, Executive Vice President Renewable Aviation, Neste
- **Jan Pie**, Chair, International Coordinating Council of Aerospace Industries Associations (ICCAIA)
- **Nancy Young**, Vice President, Environmental Affairs, Airlines for America
- **Flor Díaz Pulido**, Head of the Aviation Policy Unit, European Commission and **Andrei Mungiu**, Policy Officer for ICAO relations and SAF, European Commission

9:55 – 10:00 // BREAK/ANNOUNCEMENTS

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10:00 – 11:30

MULTI-STAKEHOLDERS PARTNERSHIPS FOR SUSTAINABLE AVIATION

Implementing green policies requires a horizontal process (both for management and governance) and cooperation among stakeholders is very important, especially in the post-COVID19 period. In this section, we will hear from collaborative multi-stakeholders partnerships with success stories as a tool for implementing green policies.

- **Lars Kobbersta**, Director General, CAA, Norway
- **Andreas Kuhlmann**, Spokesman & CEO, Global Alliance Powerfuels & German Energy Agency
- **Dirk Fransaer**, Chair of G Stic/ VITO, G Stic
- **Kurt Edwards**, Director General, International Business Aviation Council (IBAC)
- **Teresa Ehman**, Air Canada
- **Joe Ben Bevirt**, CEO, Joby Aviation
- **Iain Gray**, Director of Aerospace, Cranfield University
- **Meiltje De Groot**, CEO, Groningen Airport Eelde
- **Bettina Paschke**, VP Carbon Accounting & Controlling, DHL Express

11:30 – 11:35 // BREAK/ANNOUNCEMENTS

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11:35 – 12:00 **CLOSING – GREEN POLICY AND ICAO LEADERSHIP**

Looking forward to further work on the feasibility of a long-term global aspirational goal toward ICAO Assembly in 2022, the Green Policy Day will be closed by several remarks, by highlighting the critical need and urgency for the international aviation sector to increase climate ambition for the continued ICAO leadership.

- **Salvatore Sciacchitano**, President of the ICAO Council
- **John Kerry, Special Presidential Envoy for Climate, United States**, *recorded message given to ICAO Council members at the climate and aviation virtual lunch hosted by the United States.*
- **Gonzalo Muñoz**, High-Level Climate Champion, COP25

12:00 – 12:20 **CLOSING SPOTLIGHT**
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Smartenergy, founded in 2011, is headquartered in Wollerau, Switzerland. Beyond our Team in Wollerau, we rely on our own local subsidiaries in all major markets in Europe. Local knowledge and proximity to the industry stakeholders allow us to identify and secure opportunities at an early stage while creating synergies across the entire value chain.

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Email: leo.knaapen@aero.bombardier.com

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Aircraft

Bombardier's industry-leading line of business jets allows customers and operators to efficiently meet their evolving business and travel needs. The large-cabin, long-range Global line of business jets lead the industry in performance and cabin experience. This renowned product line includes the industry flagship Global 7500 aircraft, which redefines the business jet experience with four distinct living areas, unprecedented range, award-winning innovations including the Nuage seating collection, and pioneering environmental accountability.

Bombardier's Challenger family of business jets, including the best-selling Challenger 350 aircraft, sets the industry benchmark in terms of reliability, performance, design and comfort. Bombardier's iconic Learjet line of business jets, which will be winding down production in 2021, has a proud in-service fleet of more than 2,000 aircraft that Bombardier will service and support for years to come.

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Bombardier is dedicated to providing exceptional, around-the-clock support to customers around the world who fly our in-service fleet of more than 4,900 aircraft. The company's growing global customer support organization includes Bombardier-owned and operated service centres in the United States, Europe, United Kingdom, Singapore, China and soon Australia, as well as a network of Mobile Response Team vehicles and line maintenance stations.

Sustainability

Bombardier is a longtime leader and steward of the increasingly important environment portfolio – ranging from its strong commitment to ICAO's Committee on Aviation Environmental Protection (CAEP) and its multi-pronged engagement in key aviation manufacturer and operator associations, to its unique Eco-Design approach and industry-leading Environmental Product Declarations. Bombardier is also highly involved in the development, scalability and adoption of Sustainable Aviation Fuel (SAF) worldwide.



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ICCAIA is the international organization representing the aerospace manufacturing community. It brings together the individual national and regional associations of the USA (AIA), Europe (ASD), Canada (AIAC), Brazil (AIAB), Japan (SJAC) and the Russian Federation (UAI) under one umbrella, representing manufacturers at ICAO and on the international stage. Our members represent companies at the leading edge of all aspects of global aerospace technology; technology that continues to bring not only substantial reductions in CO2 and engine emissions but also in noise levels and who's products ensure the safe transportation of millions of people and thousands of tonnes of cargo daily.



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UPCOMING EVENT

*Dates are subject to change

6 - 7 OCTOBER 2021

ICAO CORSIA Forum

In light of ICAO's commitment to supporting States in CORSIA implementation, the ICAO CORSIA Forum will provide an overview of the "state of play" in CORSIA implementation, with a focus on milestones successfully reached thus far. The Forum will also serve as a platform for States to share success stories and lessons learned regarding CORSIA implementation, as well as on their participation in the ICAO Assistance, Capacity Building and Training on CORSIA programme (ACT-CORSIA).

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