



ICAO



2022 ICAO STOCKTAKING



18 July 2022, Morning Session (08:00 – 11:00 EDT)

07:50 - 08:00

Opening Spotlight

Sponsored by Smartenergy



08:00 - 08:30

Session 1: Opening and Introduction

This introductory session will set the scene for 2022 Stocktaking, and outline its objectives and a background for the event.

Juan Carlos Salazar, ICAO Secretary General

Gareth Rogers, CEO, Farnborough International

Dirsha Bohra, Co-Founder of Sustainable Aviation Youth Foundation (SAYF)

Message from the
sponsors



08:35 - 09:15

Session 2: Journey Towards Aviation Decarbonization and Long-term Aspirational Goal (LTAG)

This session will provide an overview of the latest science on climate change, including mitigation, adaptation and resilience. The key points of ICAO's work on the feasibility of a long-term aspirational goal (LTAG) for international aviation will be showcased during the session.

Speakers

- **Massimo Tavoni**, Professor of Climate Economic Modeling, Politecnico di Milano and Director, RFF-CMCC European Institute on Economics and the Environment, IPCC
- **Neil Dickson**, Chief, Environmental Standards, ICAO
- **Haldane Dodd**, Executive Director, Air Transport Action Group (ATAG)
- **Tim Johnson**, Director of Aviation Environment Federation, International Coalition for Sustainable Aviation (ICSA)

09:15 - 09:25

Coffee Break

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09:25 - 10:10

Session 3: Accelerated Pace of Aviation Commitments

During this session, ambitious commitments on decarbonization for the aviation sector and progress towards them will be presented. In light of the latest scientific findings and growing public concern, an increase of aviation net-zero commitments and roadmaps from governments, industry and other aviation stakeholders has been observed and will be showcased.

Speakers

- **Emile Arao**, Director General, Kenya Civil Aviation Authority, Kenya
- **Rannia Leontaridi OBE FRSA**, Director General, Aviation, Maritime and Security Group in the Department for Transport (DfT), United Kingdom
- **Stefan Bickert**, Policy Officer, CAEP Member of Germany, Germany
- **Anjan Ray**, Director, CSIR – IIP, India
- **Daniel NG**, Chief Sustainability Officer / Director (Air Transport), Singapore
- **Maryam Ali AlBalooshi**, Manager – Environment Aviation Safety Affairs Airworthiness, CAEP Member of UAE, United Arab Emirates
- **Dan Williams**, Senior International Advisor (FAA), United States
- **Marie Hankanen**, Senior Environmental Expert, CAEP Member of Sweden, Sweden

Message from the sponsors



10:15 - 11:00

Session 4: Aircraft Technologies: Systemic Changes Through Innovative and Novel Solutions

This session will cover presentations on technological innovations and solutions, aimed at improving fuel efficiency and dramatically decreasing CO2 emissions aviation. The industry leaders will demonstrate various approaches and opportunities to upgrade the existing air fleet and to shape its future structure.

Speakers

- **Val Miftakhov**, CEO, Zeroavia
- **Jaume Marcos**, Vice President & Head of Airbus Technology Planning and Roadmapping, Airbus
- **Andrew Cummins**, Director, Strategy and Business Development, Archer
- **Scott Goobie**, Director Engineering, Bombardier
- **Roman Seele**, Senior Program Manager, Electrified Powertrain Flight Demonstration (EPFD), GE Aviation
- **Daniel Galhardo Gomes**, Marketing Director, Embraer

Closing Spotlight

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11:00 - 12:00

Lunch Break



18 July 2022, Afternoon Session (12:00 – 15:15 EDT)

11:50 - 12:00

Opening Spotlight

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12:00 – 12:55

Session 5: Future of Clean Energy: Scaling-up Aviation Fuels

This session will cover various aspects of sustainable aviation fuels (SAF) and cleaner energy, and their key role in decarbonizing the aviation sector. The participants will showcase remarkable progress in SAF and other technologies and will also identify possible means for broader scaling-up of SAF production and fuelling the aviation.

Speakers

- **David Shilliday**, Vice President/GM, Power Systems Aerospace, Honeywell
- **Alan Newby**, Director of Aerospace Technology and Future Programmes, Rolls Royce
- **Kurt Edwards**, Director General, International Business Aviation Council (IBAC)
- **Amy Malaki**, Director of Partnerships & Policy, SkyNRG
- **Andreia Almeida**, New Projects Development Manager, Brasil BioFuels
- **Pratik Chandhoke**, Technical Services Manager for SAF, Neste
- **Storm Potts**, Head of Global Climate Change and Policy, Sasol
- **Jayant Mukhopadhaya**, Aviation Researcher, International Council on Clean Transportation (ICCT)

Message from the sponsor



13.00 - 13:35

Session 6: Operations, Airports and Infrastructure: Building Future Energy Hubs

This session will embrace both operational measures reducing aircraft CO2 emissions in the sky, and the approaches for decreasing carbon footprint on the ground and, broader, across the airport and adjacent infrastructure. The deliberations will touch upon a concept of future energy hubs to unlock airport infrastructure potential at a maximum.

Speakers

- **Fathi Atti**, Senior Vice President Aeropolitical and Corporate Affairs, Qatar Airways
- **Eric Perrin**, Deputy Head of the Aviation Sustainability Unit, Eurocontrol

- **Jennifer Desharnais**, Manager, Sustainability, ACI World on behalf of ATI & ACI
- **Matthew Gorman**, Director of Sustainability, Heathrow Airport
- **Ivonne Kuger**, EVP Corporate Development, Munich Airport International GmbH

13:35 - 13:45

Coffee Break

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13:45 - 14:45

Session 7: Interdisciplinary Cooperation and Capacity Building

This session will focus on cooperation between States, international organizations and other stakeholders. The participants will discuss partnerships, coordination, implementation of measures and necessary policies to ensure the aspirational goals on decarbonization are to be reached. Capacity building and other ICAO support measures will be also considered in the session.

Speakers

- **Farai Chireshe**, Bioenergy Analyst, WWF South Africa
- **Sheila Remes**, VP Environmental Sustainability, Boeing
- **Christian Pho Duc**, CTO, Smartenergy
- **Geoff Tauvette**, Executive Director, Canadian Council for Sustainable Aviation Fuels (C-SAF)
- **Julius Yeo**, Managing Director, Starburst
- **Iain Gray**, Director of Aerospace, Cranfield University
- **Anne Carnall**, Clean Skies for Tomorrow (CST) Policy Lead, World Economic Forum (WEF)
- **John May**, Managing Director, HamiltonClark
- **Sonia Rueda**, Advisor, PtX Hub, GIZ

14:50 - 15:15

Session 8: Closing

The Session will summarize the messages and the progress demonstrated on the 2022 Stocktaking.

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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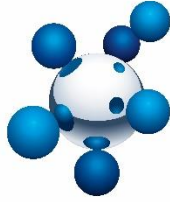
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The company is also a long-time leader and steward of the increasingly important environment portfolio – ranging from its strong commitment to ICAO's Committee on Aviation Environmental Protection and its multi-pronged engagement with key aviation manufacturer, operator and environmental associations, to its unique Eco-Design approach, innovative *EcoJet* aircraft program, and a growing portfolio of industry-leading Environmental Product Declarations including the *Global 7500* and the *Challenger 3500* awarded in May 2022. In addition, Bombardier is highly involved in the usage, development, scalability and adoption of Sustainable Aviation Fuel (SAF) worldwide bringing SAF refiners and suppliers closer with aircraft operators, FBOs and airports.

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