

**IATA**

**AVIATION**

**ENERGY**

**FORUM**

Abu Dhabi, UAE

7 – 9 November 2023

**PROGRAM**



# IATA AVIATION ENERGY FORUM

## Monday, 6 November

18h00 –20h00 WELCOME COCKTAIL RECEPTION

## Tuesday, 7 November

### JOINT SESSIONS

- 09h00 –09h15** **Welcome, Admin and Anti-trust Briefing**  
- **Hemant Mistry**, Director Net Zero Transition, IATA
- 09h15 – 09h40** **Keynote Address**  
- **Sultan Albigishi**, CEO, ADNOC Refining
- 09h40 – 10h05** **Fireside Chat**  
With Chairs of Commercial Fuel Working Group, Technical Fuel Group, and Sustainability and Environment Advisory Council.  
- **Judith Connatty**, Fuel & Insurance Director, Air Europa  
- **Moderated by Hemant Mistry**, Director Net Zero Transition, IATA
- 10h05 – 10h30** **State of the Airline Industry**  
A report by IATA on the airline industry's financial health, performance, and outlook.  
- **Andrew Matters**, Director Policy and Economics, IATA
- 10h30 – 11h10** **NETWORKING BREAK**
- 11h10 – 12h50** **Jet Fuel Supply Resilience**  
Two related back-to-back sessions on jet fuel supply resilience  
- **Both sessions moderated by Jonathan Pardoe**, Fuel Consultant for Star Alliance
- 11h10 – 12h00** **Part 1: Fuel Supply Resilience at Airports**  
What are the key factors affecting supply resilience (supply route options, infrastructure capacity, logistical challenges, jet fuel source options, etc.), where are some of the risky major locations, and what need to be done to improve supply resilience at these locations?  
- **Simon Weiss**, Head of Aviation, Mabanaft  
- **Thomas Richter**, Head of Fuel Purchasing, Lufthansa  
- **Alan Blanchflower**, Senior Manager Fuel & Ground Services, Qatar Airways  
- **Phillip Van der Merwe**, Aviation Commercial Manager – EMEA & APAC, Puma
- 12h00 – 12h50** **Part 2: Jet Fuel Infrastructure Investment – What is needed and where?**  
The industry needs investments to upgrade and enhance existing jet fuel infrastructure in order to avoid increasing occurrences of supply disruptions. In what types of jet fuel infrastructure and at which locations are investments most needed? What is needed to attract the necessary investments? This session explores these questions.  
- **Mine Bolgil**, VP Aviation Commercial, Air bp  
- **Katja Kleffmann**, Head of Fuel Self Supply, Lufthansa  
- **Morven McCrindle**, Chief Commercial Officer, JET Infrastructure  
- **Wade Morrell**, Chief Strategy Officer, FSM Management Group
- 12h50 – 14h10** **LUNCH BREAK**  
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# IATA AVIATION ENERGY FORUM

## Tuesday, 7 November

### JOINT SESSIONS

14h10 – 14h50

#### **Roadmaps to Net Zero 2050**

How will aviation achieve its Net Zero 2050 target? IATA recently released five strategic roadmaps which provide an overview of the crucial steps required for this to happen. This session explains the roadmaps.

- **Alejandro Block**, Manager New Energy and Technologies, IATA

14h50 – 15h30

#### **Global Policy Developments on Aviation's CO2 Emissions**

This session provides an update on policy developments from ICAO, EU, US and other jurisdictions relating to the industry's CO2 emissions and on SAF and LCAF, and the implications to airlines.

- **Daniel Chereau**, Head Fuel, IATA

15h30 – 16h10

#### **NETWORKING BREAK**

16h10 – 17h00

#### **SAF Production Ramp-up via Co-processing**

Co-processing of fats, oils, and greases and of synthetic crude with petroleum crude oil to produce SAF are approved technological pathways under ASTM D7566. These pathways allow utilization of existing refining infrastructure and much less capex needed to start producing SAF. Is this the answer to a rapid SAF production ramp-up? What are the benefits, challenges, and limitations? This session explores these questions and more.

- **Alvaro Macarro**, Head of Sustainable Aviation, CEPESA
- **Amardeep Mudhar**, Senior Manager, Global Aviation Product Quality, Air bp
- **Abdulla Omar Al Ameri**, SVP Project & Technical, ADNOC
- **Ignacio Bilbao**, SAF Originator – Spain, IAG
- **Moderated by Malvyn Tan**, Head Commercial Fuel, IATA

17h00 – 17h30

#### **Super Absorbent Polymer – Closing Report**

This session provides information on the work of the Special Interest Group on Filtration since it was re-established in 2021. An updated roadmap for the transition away from Filter Monitor Technology will be provided as well as additional guidance for airlines.

- **Andreas Schmidt**, Manager Jet Fuel Quality, Lufthansa

19h00 – 22h00

#### **GALA DINNER**

# IATA AVIATION ENERGY FORUM

## Wednesday, 8 November

### COMMERCIAL SESSIONS

- 09h15 – 09h25**      **Welcome, Admin and Anti-trust Briefing**  
- **Malvyn Tan**, Head Commercial Fuel, IATA
- 09h25 – 10h10**      **Oil Market Outlook**  
What are the predictions and forecast for the oil and jet fuel markets amid recent geopolitical developments and the state of the global economy? An expert on the oil market will provide insights and views on these.  
- **Roberto Sieber**, Chief Economist, Global Head Market Analysis, Hartree and Partners
- 10h10 – 10h50**      **Best Practices in Jet Fuel Storage at Airports for Supply Reliability**  
How much storage is required at an airport to ensure good reliability of jet fuel supply? An expert shares the considerations and some key real case examples that the industry could look into.  
- **Dan Eekhoff**, Program Manager – Fuel Infrastructure, Burns & McDonnell, Engineering Company, Inc.
- 10h50 – 11h30**      **NETWORKING BREAK**
- 11h30 – 12h20**      **Making SAF competitive against conventional aviation fuel - what is required?**  
The cost of SAF production today remains significantly higher than for fossil-based jet fuel, raising the question of affordability for the airline industry. What can be done to narrow the price premium for SAF with fossil-based jet fuel? A panel will explore and recommend solutions.  
- **Jan Toschka**, President of Aviation, Shell Aviation  
- **Sophie Byron**, Global Director, Biofuels Pricing, S&P Global Commodity Insights  
- **Maryam Al Balooshi**, Manager – Environment, GCAA UAE  
- **Moderated by Daniel Chereau**, Head Fuel, IATA
- 12h20 – 13h10**      **The SAF Sustainability Certification Process: Enabling Claiming of Environmental Attributes**  
ISCC and RSB are currently two Sustainability Certification Schemes approved by ICAO to certify fuel economic operators for compliance with CORSIA sustainability criteria and methodology for calculating Life Cycle Emissions Values. How does this certification process work along the SAF supply chain and what documents are issued to enable an airline to claim the benefits of SAF usage under various regulatory schemes such as CORSIA and EU ETS? An expert panel will discuss the process and challenges.  
- **Aaron Robinson**, Vice President – Sustainable Aviation Fuel, U.S, IAG  
- **Astrid Sonneveld**, Technical Development Manager, Aviation, Neste  
- **Dr. Gernot Klepper**, Chairman, ISCC  
- **Max Eichelbaum**, Digital Solutions Manager, RSB  
- **Moderated by Azim Norazmi**, Manager Climate Policy, IATA
- 13h10 – 14h30**      **LUNCH BREAK**

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# IATA AVIATION ENERGY FORUM

## Wednesday, 8 November

### COMMERCIAL SESSIONS

14h30 – 15h10

#### **Workshop 1: Airlines' Obligations in CORSIA and the Role of SAF**

This session explains airlines' obligations under CORSIA and how usage of SAF fits into this global scheme.

- **Aaron Robinson**, Vice President, Sustainable Aviation Fuel, U.S., IAG
- **Azim Norazmi**, Manager Climate Policy, IATA

#### **Workshop 2: SAF Procurement and 'SAFSMA'**

This session looks at the considerations for procurement of SAF and runs through the new model agreement for supply of SAF blend published in July 2023.

- **Heiko Mannes**, Head of Fuel Management, Lufthansa

15h10 – 15h50

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#### **Workshop 3: Jet Fuel Pricing – The Dynamics and Terminologies**

This session gets you acquainted with the dynamics of pricing jet fuel in different regional markets, how the physical market and paper market are tied, and what some common market terminologies such as CIF, FOB, arbitrage, and differentials mean.

- **Daniel Colover**, Marketing Engagement Manager, S&P Global Commodity Insights

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16h30 – 17h15

**NETWORKING TIME**

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**Wednesday, 8 November**

**TECHNICAL SESSIONS**

- 09h00 – 09h10**      **Welcome, Admin and Anti-trust Briefing**  
- **Mark Vaughan**, Head Technical Fuel, IATA
- 09h10 – 10h00**      **Airport infrastructure requirements for H2 aircraft**  
What will airports need to refuel H2 aircraft?  
- **Anirudh Vyas**, Future Safety Specialist, UK CAA  
- **John Beasley**, Airport Development Team Leader, Arup  
- **Julien LeHalle**, Investment Director, New Energies, Airbus  
- **Nick Flak**, General Manager, Planning and Sustainability, Christchurch Airport  
- **Moderated by Alejandro Block**, Manager New Energy and Technologies, IATA
- 10h00 – 10h40**      **Better engine efficiency to reduce emissions**  
In this session we will look at technology advancements in propulsion and how this might influence the fuel specification going forward.  
- **Ross Walker**, Manager Fuels & Hydromechanical Systems, Airbus  
- **Alastair Hobday**, Associate Fellow – Fuels and Lubricants, Rolls Royce  
- **Eurydice Kone**, OEM and Sector Manager, Shell Aviation  
- **Gurhan Andac**, Engineering Technical Leader, Aviation Fuels & Additives, General Electric  
- **Moderated by Robert Midgley**, Global Technical & Quality Manager Aviation Fuels, Shell Aviation
- 10h40 – 11h10**      **NETWORKING BREAK**
- 11h10 – 11h25**      **100% SAF demo/ experimental flights**  
This session will take us through what it takes to embark on such a journey. This is an introduction to the following session.  
- **Jean-Philippe Belières**, Technical Fellow, Boeing
- 11h25 – 12h05**      **100% SAF Transatlantic flight**  
As the industry endeavors to show their commitment to reaching net zero in carbon emissions by 2050, airlines are looking at conducting 100% fully formulated SAF flights. What is required from airlines and OEM to do this?  
- **Alastair Hobday**, Associate Fellow – Fuels and Lubricants, Rolls Royce  
- **David Kettner**, President and General Counsel, Virent  
- **Luke Ervine**, Head of Sustainability, Virgin Atlantic  
- **William Griffin**, Technical Leader, Boeing  
- **Valerio Ferro**, VP Sales and Marketing, BP  
- **Moderated by Jean-Philippe Belières**, Technical Fellow, Boeing

# IATA AVIATION ENERGY FORUM

## Wednesday, 8 November

### TECHNICAL SESSIONS

12h05 – 13h15

#### **Microbiological contamination in aircraft fuel tanks**

The civil aviation sector is still struggling with single source supply for Biocide to be used for decontaminating microbial activity in fuel tanks. This session will cover a status update for additional biocides for the aviation industry. There will also be an update on the status of the microbiological test kit project. Moreover, there will be a review on options to remove existing microbial contamination in the aircraft fuel tank.

- **Graham Hill**, Managing Director, ECHA Microbiology Ltd.
- **Christian Siry**, Head of Central Materials Technologies Unit, Lufthansa Technik AG
- **Simeon Dean**, Sales Director, Fuelcare Ltd.

13h15 – 14h25

#### **LUNCH BREAK**

14h25 – 15h25

#### **Industry Updates**

Key updates from our industry partners: Energy Institute (EI), Coordinating Research Counsel (CRC), IATA Specification Liaison Group (ISLG) and American Society for Testing and Materials (ASTM).

- **Anthony Kitson-Smith**, Fuel PQ and Operations Consultant, Vitol Aviation
- **Martin Hunnybun**, Head of Good Practice – Fuels & Fuel Handling, Energy Institute
- **Amy Carico**, Director, Fuel Services and Technical Standards, Airlines for America
- **Jack Burgazli**, Corporate VP of Innovation, Innospec Inc.
- **George Zombanakis**, Principal Engineer, United Airlines

15h25 - 15h55

#### **Fueling equipment and facilities**

Overview of the latest update to EI 1540: Design, construction, commissioning, maintenance and testing of aviation fueling facilities.

- **Nic Mason**, Supply and logistics Director, Q8 Aviation

15h55 - 16h25

#### **NETWORKING BREAK**

16h25 –17h10

#### **Training and qualification of fueling staff in airport fueling operations**

This session looks at the legal requirements set out by IOSA, JIG, EASA, FAA etc. and how fueling operators adhere to this.

- **Sunil Kumar**, Quality Assurance specialist, ADNOC
- **Amy Carico**, Director, Fuel Services and Technical Standards, Airlines for America
- **Marco DiMario**, SVP Fuels, Menzies Aviation
- **Moderated by Hendrik Schmeil**, Technical and Training Manager, IFQP

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# IATA AVIATION ENERGY FORUM

## Thursday, 9 November

### COMMERCIAL / JOINT SESSIONS

- 09h20 – 09h30**      **Welcome, Admin and Anti-trust Briefing**
- 09h30 – 10h10**      **Jet Fuel Production and Pricing in the Middle East**  
Is the Middle East a net jet fuel export region? Where are exports going to? How do prices compare with other markets and what is the reason for the differences? An expert will provide insights.  
- **Louise Burke**, VP Strategic Business Development NA Renewables and Global Head of Aviation, Argus Media
- 10h10 – 10h55**      **Changing Crude Oil Refining Economics and Impact on Future Jet Fuel Production**  
A look at refining economics: will there be more closures of refineries driven by the peaking of demand for some refined products in the next 10-15 years? Will there be an increasing reliance on jet fuel margins to keep refineries viable? An expert will share the analysis and predictions.  
- **Rob McLeod**, Head of Price Risk Solutions, Hartree Partners Advisory Services
- 10h55 – 11h30**      **NETWORKING BREAK**
- 11h30 – 12h15**      **Developing SAF Projects in the Middle East**  
This session explores the potential for developing a SAF industry in the Middle East, profiling feedstock options, the most applicable SAF production technologies and regional specific co-benefits associated with the value-chain.  
- **Shannon Scott**, Environmental Affairs Manager, Emirates  
- **Sylvain Verdier**, Senior Business Strategy Manager, Topsoe  
- **Julien Lehalle**, Investment Director, New Energies, Airbus  
- **Moderated by Daniel Bloch**, SAF Specialist, IATA
- 12h15 – 12h30**      **Wrap-up and Closing**
- 12h30 – 14h00**      **LUNCH BREAK**

# IATA AVIATION ENERGY FORUM

Thursday, 9 November

## TECHNICAL / JOINT SESSIONS

- 09h10 – 09h20**      **Welcome, Admin and Anti-trust Briefing**
- 09h20 – 10h10**      **Progress on qualification of new technological pathways**  
This session aims to providing an update on ASTM D 7566, including technological pathway Annex A8 (Alcohol to Jet with Synthetic Kerosene with Aromatics in ATJ-SKA) that has just been added. There will also be an update on Co-processing and Low Carbon Fuels (LCF)
- **Gurhan Andac**, Engineering Technical Leader, Aviation Fuels & Additives, General Electric
  - **Stephane Morin**, Manager, Experimental R&D, ADNOC
- 10h10 – 11h00**      **Operating standards update**  
Latest statistics from inspections conducted by IATA Fuel Quality Pool (IFQP) and Joint Inspection Group (JIG) updates
- **Javier Agueda**, Head of Corporate Safety, Etihad
  - **Ibon Ibarrola**, Technical Manager, Joint Inspection Group
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