

Workshop agenda and briefing note

Decarbonising aviation: Exploring the Consequences

Corporate Partnership Board of the ITF

13 March 2024

9:00 – 17:30 CET

OECD Headquarters, 2 rue André Pascal Paris 75016, in room CC20

Agenda

09:00-09:10 | Welcome

- Sharon Masterson, Manager, CPB – International Transport Forum

09:10-09:20 | Round of participant introductions

09:20-09:30 | Scene setting presentation from the ITF

- Andrea Papu Carrone, Transport Analyst/Modeller – International Transport Forum

Exploring the consequences of decarbonising aviation

The morning sessions will be dedicated to discussing the consequences of decarbonising aviation and brainstorming principles for mitigating potential adverse effects. These consequences could include changes in travel patterns, air route connectivity, and impacts on the broader economy triggered by cost increases due to the adoption of cleaner fuels and aircraft and the implementation of regulatory instruments.

09:30-10:45 | Session 1: Connectivity and technology

Key discussion questions:

- *How could aviation passenger connectivity between countries, and regional connectivity within countries, change?*
- *How could air cargo commodities and trade patterns evolve?*
- *What aircraft sizes and technologies will be required to facilitate decarbonisation? Could it favour one network model (hub and spoke vs point to point)?*

Opening statements from:

- Kiri Hannifin, Chief Sustainability Officer and Samuel Gordon, Sustainability Manager – Air New Zealand
- Oriane Hernandez, Airfreight and Security Advisor – TLF Overseas (FIATA)
- Simone Rauer, Head of the Aviation Roadmap and Paul Bonnabau, Market Forecast Manager – Airbus

10:45-10:55 | Coffee break

10:55-12:15 | Session 2: Tourism and changes in travel patterns

Key discussion questions:

- *What could the impacts be on both domestic and international tourism, and how would this differ across world regions?*
- *How could the economic contribution of the tourism sector be safeguarded while decarbonising aviation?*
- *What feasible alternatives exist to aviation in different regions of the world, and how could travel demand be most sustainably allocated between modes?*

Opening statements from:

- Jane Stacey, Head of Tourism Unit – OECD Centre for Entrepreneurship, SMEs, Regions and Cities
- James McDonald, Director Travel Transformations – World Travel & Tourism Council

12:15-13:00 | Session 3: Social impacts and labour

Key discussion questions:

- How will different demographic groups be affected by decarbonising aviation policies?
- What will the aggregate effects of decarbonisation be for the scale of employment in the aviation sector and related sectors?
- How could the skills profile of workers in the aviation sector be adapted in the context of decarbonising aviation?

Opening statements from:

- Stefan Gossling, Professor of Tourism – Linnaeus University School of Business and Economics
- Alejandra Cruz Ross, Transport Specialist – International Labour Organization
- Jeremy Anderson, Director of Just Transition and Sustainable Transport – International Transport Workers' Federation

13:00-14:00 | Lunch

Current and future policies for decarbonising aviation

During the afternoon, selected experts will outline current progress in decarbonising aviation, the policies that have already been committed to, and challenges to reach net zero aspirational goal. Following this, the ITF will moderate a discussion on how decarbonising aviation policies can be designed in such a way as to mitigate any adverse effects for different user groups and the wider economy.

14:00-15:00 | Session 4: Current status, committed policies and required measures to reach LTAG

- "Navigating the way to a sustainable aviation future"
Dr. Ingrid El Helou, Cleantech Analyst – Future Cleantech Architects
- "Airline-economic and operational consequences from decarbonising aviation"
Dr. Andreas Schafer, Professor of Energy and Transport – UCL Energy Institute
- "Are we overlooking important barriers to net-zero aviation?"
Dr. Stefan Gossling, Professor of Tourism – Linnaeus University School of Business and Economics

15:00-15:15 | Coffee break

15:15-17:00 | Session 5: Designing holistic policies for decarbonising aviation

During this session, the ITF will facilitate a participative multi-criteria decision analysis exercise to identify which policies are key to decarbonising aviation, their associated trade-offs against a set of agreed criteria, and how they could be designed in such a way to best take account of the wider consequences of decarbonisation as discussed in earlier sessions.

- Moderation: Matt Ireland, Project Manager, International Transport Forum

17:00-17:30 | Concluding remark

Briefing note

Decarbonising Aviation: Exploring the Consequences

About this project

In October 2022, the International Civil Aviation Organisation (ICAO) set a challenging goal for net-zero carbon emissions in aviation by 2050. Achieving this objective requires a substantial reduction in carbon emissions from aircraft and fuels, which presents difficulties due to the limited availability of commercially viable alternatives to fossil fuels on the necessary scale. To facilitate the transition, governments are investing in Sustainable Aviation Fuels (SAF) and other technologies. Some are also considering policy instruments to regulate the sector and contribute to reaching aviation decarbonisation goals.

The adoption of cleaner fuels and aircraft, as well as the implementation of regulatory instruments, will impact costs that may translate to higher passenger and freight prices. As a result, the consequences of decarbonising aviation could include changes in travel patterns, air route connectivity, and impacts on the broader economy. Governments seek cost-effective and equitable ways to mitigate these impacts and gain support for aviation decarbonisation policies. However, existing research offers limited insights into this area.

This project will:

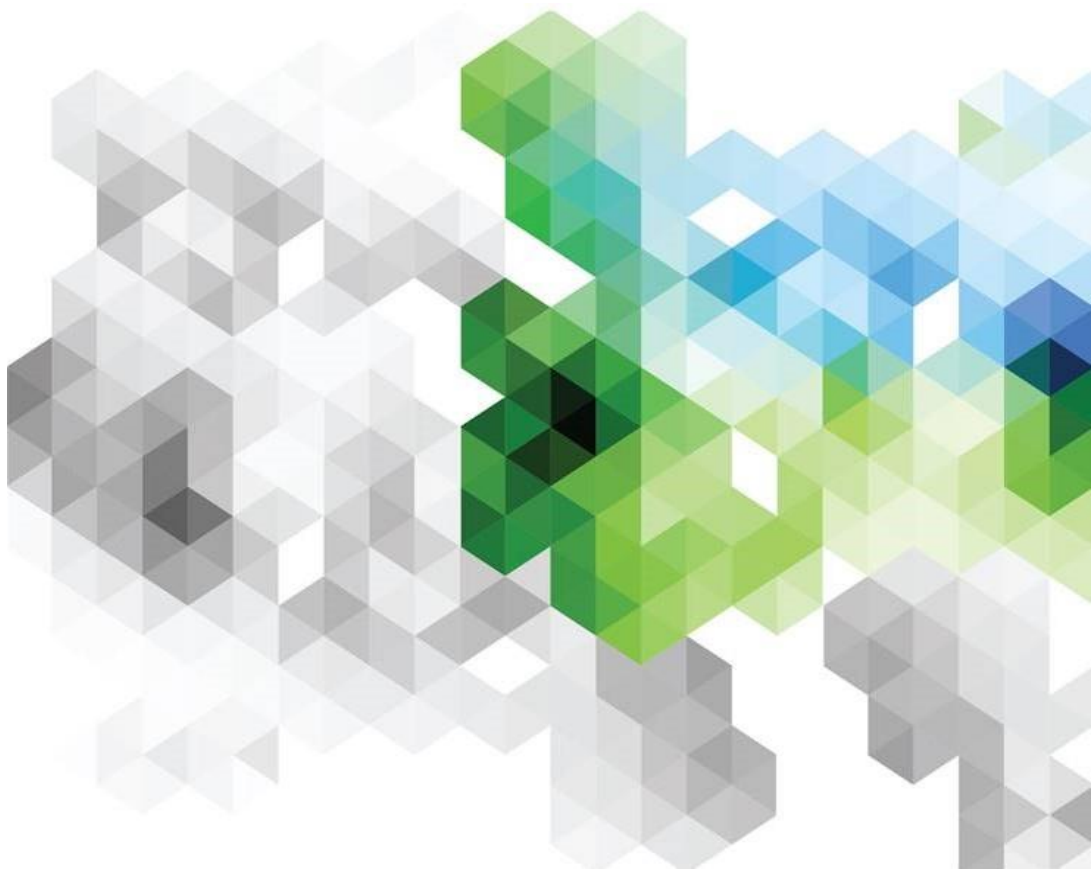
- Review various aviation decarbonisation policies and technologies, evaluating their effectiveness and readiness to support the transition in the short- and long-term.
- Assess the potential consequences of decarbonising aviation through geographic, macroeconomic, social, environmental, and sectorial lenses.
- Provide guidance to governments on how to mitigate any adverse effects of decarbonising aviation for different user groups and the wider economy.

List of participants

Ms. Kiri HANNIFIN	<i>Air New Zealand</i>	<i>Chief Sustainability Officer</i>
Mr. Samuel GORDON	<i>Air New Zealand</i>	<i>SAF Lead</i>
Mr. Paul BONNABAU	<i>Airbus</i>	<i>Market Forecast Manager</i>
Ms. Simone RAUER	<i>Airbus</i>	<i>Head of the Aviation Roadmap</i>
Ms. Sohely RAKOTOHARISOA	<i>Airbus</i>	<i>Corporate Affairs - Aviation Environmental Roadmap</i>
Mr. Mohamed-Ali SAAFI	<i>Aramco</i>	<i>Energy Modelling specialist</i>
Mr. Vittorio MANENTE	<i>Aramco</i>	<i>Project Manager</i>
Mr. Patrick JEANNE	<i>Cargolux Airlines International SA</i>	<i>Manager (Sr) Government & Industry Relations</i>
Mr. Jan Petter STEINLAND	<i>Civil Aviation Authority Norway</i>	<i>Director Strategic Analysis & Transformation</i>
Mr. Laurent SALEUR	<i>ExxonMobil</i>	<i>Europe Inland lead trader chez ExxonMobil</i>
Mr. Sebastian FERRARI	<i>Federal Ministry of Labour and Economy in Austria</i>	<i>Department for International Tourism Affairs</i>
Ms. Anastasiia Filipovska	<i>FIATA</i>	<i>Trade and Transport Officer</i>
Ms. Oriane Hernandez	<i>FIATA - TLF Overseas</i>	<i>Airfreight and Security Advisor</i>
Mr. Philippe LAMBERT	<i>France</i>	<i>Chef du bureau des études économiques DGAC Direction du Transport aérien</i>
Ms. Sandra COMBET	<i>France</i>	<i>Secrétaire Générale Direction Générale de l'Aviation Civile (DGAC)</i>
Mr. Luca BECCASTRINI	<i>FS Italiane</i>	<i>FS Research Centre - Coordination MOST</i>
Ms. Ingrid EL HELOU	<i>Future Cleantech Architects</i>	<i>Cleantech Aviation Analyst</i>
Mr. Stefan BICKERT	<i>Germany</i>	<i>Federal Ministry for Digital and Transport (BMDV)</i>
Mr. Koichiro AIKAWA	<i>Honda Motor Co., Ltd</i>	<i>Chief Engineer</i>
Mr. Yoshihiro IKEDA	<i>Honda Motor Co., Ltd</i>	<i>Assistant Chief Engineer</i>
Mr. Renato FERREIRA FORMIGARI	<i>Iberdrola</i>	<i>Electromobility analyst</i>

Ms. Isabel GOMEZ	<i>Iberdrola</i>	<i>Senior Policy Analyst on Energy Prospective Energy Policies and Climate Change</i>
Mr. Andrew MATTERS	<i>International Air Transport Association (IATA)</i>	<i>Senior Economist</i>
Ms. Alejandra CRUZ ROSS	<i>International Labour Organization (ILO)</i>	<i>Transport Specialist Sectoral Policies Department</i>
Mr. Jeremy ANDERSON	<i>International Transport Workers' Federation</i>	<i>Director of Just Transition and Sustainable Transport</i>
Mr. Andreas KOPF	<i>ITF</i>	<i>Modeller/Analyst ITF/RC</i>
Mr. Guineng CHEN	<i>ITF</i>	<i>Team Lead ITF/RC</i>
Mr. Luis MARTINEZ	<i>ITF</i>	<i>Lead Modeller/Analyst ITF/RC</i>
Mr. Matthew IRELAND	<i>ITF</i>	<i>Project Manager ITF/RC</i>
Ms. Andrea PAPU CARRONE	<i>ITF</i>	<i>Modeller/Analyst ITF/RC</i>
Ms. Sharon MASTERSON	<i>ITF</i>	<i>Manager Corporate Partnership Board ITF/IRS</i>
Ms. Stella CHECA CANAS	<i>ITF</i>	<i>Intern ITF/IRS</i>
Mr. Dirk ROGL	<i>Kompetenzzentrums Grüne Transformation des Tourismus</i>	<i>Deputy Head</i>
Professor Stefan GÖSSLING	<i>Lund University</i>	<i>Expert to the Secretariat Department of Service Management</i>
Mr. Valentin BOUZIGUES	<i>Mott MacDonald</i>	<i>Consultant - Sustainable Mobility</i>
Mr. Ali ALLIBHAI	<i>OECD</i>	<i>Policy Analysis and Advice ECO/SSD</i>
Mr. Douglas SUTHERLAND	<i>OECD</i>	<i>Head of division ECO/SSD</i>
Mr. Hannes THEES	<i>OECD</i>	<i>Policy Analyst/Economist CFE/TOU</i>
Mr. Ruben MAXIMIANO	<i>OECD</i>	<i>Senior Policy Analyst ECO/SSD</i>
Mr. Tobias KRUSE	<i>OECD</i>	<i>Economist ECO/PED</i>
Ms. Jane STACEY	<i>OECD</i>	<i>Head of Unit CFE/TOU</i>
Mr. Volodymyr BILOTKACH	<i>Purdue University</i>	<i>Associate Professor in Aviation Management</i>
Mr. Antoine FERAL	<i>Rolls Royce International</i>	<i>Vice-President, EU Affairs</i>

Ms. Hulda WINNES	<i>Swedish Transport Agency</i>	<i>Expert on climate, maritime and aviation</i>
Ms. Jenny RYMAN	<i>Swedish Transport Agency</i>	<i>Civil Aviation and Maritime Department</i>
Dr. Andreas SCHAFER	<i>University College London</i>	<i>Professor of Energy and Transport UCL Energy Institute</i>
Dr. Dirk GLAESSER	<i>World Tourism Organization (UNWTO)</i>	<i>Director Sustainable Development of Tourism</i>
Ms. Virginia FERNANDEZ TRAPA	<i>World Tourism Organization (UNWTO)</i>	<i>Programme officer of the Sustainable Development of Tourism Department</i>
Mr. James MCDONALD	<i>World Travel & Tourism Council (WTTC)</i>	<i>Director Travel Transformation</i>



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