Aviation Environment & Sustainability

Purpose
The Aviation Environment & Sustainability workshop provide Strategic Partners with a number of opportunities to interact with the IATA Environment team and explore issues of strategic importance to airline businesses and their suppliers.

Designed for:
- Renewable fuel, electricity and hydrogen suppliers
- Clean energy and green aviation technology providers
- Traditional and new fuel companies
- SAF feedstock traders and suppliers
- Environment and clean energy consulting companies
- Original equipment manufacturers (OEM)
- Carbon market participants
- Environmental brokers and traders
- Climate change & climate strategy consultants
- Independent verification and audit companies
- Aircraft dismantling and recycling companies
- Green Finance & Investment Companies
- Sustainable inflight product suppliers

Areas of activity
- **Climate Action**
  - Technology, operations & infrastructure
  - Market-based measures and carbon markets
  - Voluntary carbon offsetting
  - Sustainable Aviation Fuels incl. technical, commercial, sustainability and policy

- **Environmental & Sustainability reporting:**
  - CSR Reporting
  - Sustainability reporting
  - Sustainability strategy and communication
  - Sustainable finance
  - Emissions reporting
  - Fuel efficiency benchmarking & analytics
  - CORSIA compliance

- **Environmental best practices & assessments:**
  - Cabin waste management
  - Single Use Plastic
  - Sustainable procurement
  - Human and Wildlife Trafficking
  - Aircraft decommissioning and recycling

- **Local environment**
  - Noise management incl. ICAO Balanced Approach
  - Airport charges

- **Pandemics Resilience Planning**
  - preparing for future pandemics

- **Public perception on** environmental impact and action of air transport

Our Vision
The Aviation Environment department’s goal is to ensure that appropriate sustainable policies and best practices are implemented to support the sector’s sustainability and allow environmental improvements to be achieved in a cost-effective manner. In addition to our policy and advocacy action, we encourage the use of IATA programs and support mechanisms which have been developed to address the environmental impacts of aviation, improve the environmental performance of airlines, promote the adoption of industry best practices and assist with environmental monitoring and reporting across many areas of activity listed above.

Benefits
- Attend annual 1-2-day workshop to explore strategic Sustainability and Environment issues with the IATA Environment team and other experts in the issues being considered
- Obtain a discounted rate for projects on strategic issues undertaken on your behalf by the IATA environment team.
- Valuable insight and knowledge related to new regulations and industry initiatives
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CLIMATE ACTION: OPERATIONS AND INFRASTRUCTURE

Fuel efficiency has always been a strong driver for progress in aircraft technology. Today, there is an increasing focus towards radically new aircraft concepts such as electric and hydrogen-powered ones. To allow their realization within the next 15 to 30 years, it is necessary already now to build strong partnerships with providers of renewable energy, including liquid hydrogen, and related technology and infrastructure solutions.

CLIMATE ACTION: MARKET-BASED MEASURES AND CARBON MARKETS

In 2016, the International Civil Aviation Organization (ICAO) adopted the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) to address CO2 emissions from international aviation. This historic decision is the first time that a single industry sector has agreed to a global market-based measure in the climate change field. The industry first proposed this measure in 2009 and has supported the ICAO process ever since.

IATA has been engaged in the development of CORSIA in ICAO and is working closely with airlines and governments to support the successful implementation of the scheme.

IATA is also active in relation to market-based measures introduced at regional and national level to help operators understand compliance requirements and ensure regional and national policies are coherent and compatible with a global approach to address the sector’s climate impact.

CLIMATE ACTION: VOLUNTARY CARBON OFFSETTING

Gain a better understanding of the underlying factors that contribute to the successful operation of airline voluntary passenger carbon offset programs and learn about some of the best practices that boost these programs and carbon offsetting in general. Trends and strategies of airlines to reach their climate mitigation goals, with learning insights in respect to some of the tools and systems that assist airlines to meet their commitments.

Engage with carbon market experts and other industry partners, and actively participate and contribute in discussions that will shape industry solutions for the benefit of airlines and strategic partners alike.

CLIMATE ACTION: SUSTAINABLE AVIATION FUELS

Sustainable aviation fuel (SAF) is the main term used by the aviation industry to describe a non-conventional (fossil derived) aviation fuel.

The chemical and physical characteristics of SAF are almost identical to those of conventional jet fuel and they can be safely mixed with the latter to varying degrees, use the same supply infrastructure and do not require the adaptation of aircraft or engines.

Fuels with these properties are called “drop-in fuels” (i.e. fuels that can be automatically incorporated into existing airport fueling systems).

To validly use the term “sustainable” they must meet sustainability criteria such as lifecycle carbon emissions reduction, limited fresh-water requirements, no competition with needed food production and no deforestation.
The strategic importance of SAF is expected to grow. Some of the reasons why understanding the aviation energy transition will be important for many market segments include:

- Contrary to the ground transport sector, which can use electric energy, aviation has no near-term alternative to liquid hydrocarbon fuels (electric commercial aircraft are unlikely before 2040).
- In the medium term, SAF will be the only energy solution to mitigate the emissions growth of the industry.
- All assessed scenarios under the ATAG Waypoint 2050 research require substantial amounts of SAF to meet the 2050 emissions reduction goal.
- SAF will be an eligible option for aircraft operators to meet their obligations under the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).
- Policy makers are increasingly seeking to include SAF in total economy decarbonization strategies and policy frameworks.

**FUEL REPORTING AND EMISSIONS DATABASE (FRED+)**

Become familiarized with the emissions reporting landscape under CORSIA and see how FRED+ can work in perfect harmony and as a complementary platform with other fuel management system that track airline fuel use. Work together with FRED+ and data analytical experts to detect patterns and discover best practices for validation of fuel use data, using automated data validation functionalities and fuel efficiency benchmark tools embedded in FRED+.

Independent data verifiers have an opportunity to liaise with data experts and share some of the essential steps needed to generate emissions reports that are robust, accurate and protect commercially sensitive fuel information of airlines.

**ENVIRONMENTAL BEST PRACTICES**

Driven by customer and investor concerns and a corresponding rush to regulate, airlines face a complex range of emerging sustainability challenges. These include sustainability reporting, sustainable procurement and supply change management, cabin waste recycling and the replacement of single use plastics (SUP).

Learn more about these challenges and the sectors response and how partners can develop or enhance their products and services to meet this demand.

**AIRCRAFT DECOMMISSIONING AND RECYCLING**

Retiring old aircraft and replacing them by more efficient ones is driving the fleet modernization process. Aircraft decommissioning and recycling should be done in a controlled process to be safe and environmentally friendly while allowing to recover a maximum residual value, taking advantage of aircraft recycling processes continuously becoming more efficient.

**LOCAL ENVIRONMENT**

IATA works closely with airlines and other industry stakeholders to support the implementation of policies and cost-effective solutions to address noise and air quality problems at and around airports, through the ICAO Balanced Approach notably. Our activities cover measures introduced at the level of individual airports, such as airport charges and operating restrictions.

**PANDEMIC RESILIENCE PLANNING**

Science tells us that climate change, wildlife trafficking, mass travel and habitat loss will lead to more pandemics in the future. Airlines and their partners need to be better prepared to face the inevitable challenges of future pandemics. Find out more about how your organisation can “build back better” and support the sector in being more resilient.

**PUBLIC PERCEPTION ON ENVIRONMENTAL IMPACT AND ACTION OF AIR TRANSPORT**

In 2021, with the possible deployment of the COVID-19 vaccine, air travel is projected to rapidly increase from 2020 levels, albeit well below 2019 levels. Several trends point towards a possible increase in the pressure on aviation’s climate change response and broader environmental action:
• Governments are more actively taking action on sustainability, including via taxes, mandates for SAF use, environmental conditions attached to Covid-19 relief packages and strong push for use of rail on short-haul routes.
• Global businesses have committed to net zero targets.
• Investors are demanding accountability from businesses on their sustainability records.
• Public opinion is increasingly more aware of climate change and expects sustainability actions from policymakers and businesses.
• The proportion of passengers stating they would reduce air travel has increased in the last year (based on IATA polls).
• Interest in sustainable tourism emerges as a strong marketing trend.
• Environment remained in the public eye even during the COVID-19.

Considering that public opinion tends to impact both policy actions and consumer behavior, it is important to continually track perception, analyze media and social media, and profile influencers. Key trends and conclusions will be shared and discussed with Strategic Partners.

Additional Strategic Partnership benefits
Branding
- Recognition as a valuable supporter of IATA and the air transport industry
- Inclusion in the IATA Strategic Partnerships online directory
- Exclusive usage of the IATA Strategic Partnerships Recognition Stamp
- Promotion through the electronic quarterly Strategic Partner Newsletter, viewed by thousands of aviation industry contacts
- Monthly posting of Strategic Partners’ press releases on the IATA website

IATA Clearing House Discount
Strategic Partners receive a substantial discount upon joining the IATA Clearing House:

The IATA Clearing House (ICH) provides the means to settle all the billed items sent to and from airlines around the world. Used by more than 400 airlines either directly or via special links, the ICH settles around US$ 50 billion of interline billings every year. Its efficiency is so great that airline cash and settlement requirements are reduced by around 75%, and risks for all participants are minimized.

Learn more

Publications
Partners may purchase publications at a preferential rate. Environment-related IATA publications are available free on the IATA website:

IATA Reports on Alternative Fuels
IATA Guidance Material for Biojet Fuel Management ("Bioguide")
IATA Technology Roadmap
IATA Sustainable Alternative Fuels Roadmap
IATA Best Industry Practices for Aircraft Decommissioning

Learn more

Courses
Strategic Partners may attend, at a reduced fee, IATA training courses.

Strategic Partners may receive 55% discount on the first 2 seats per year to any IATA classroom course (subject to availability).

Learn more

- Aviation and Environment – Managing Green Airports
- Climate Change Policy and Aviation
- Sustainable Aviation – Improving Environmental Performance.

Updates
- Strategic Partners will be included in the distribution list and receive updates outlining the main developments in environmental policy affecting the aviation sector.

Learn more