

Environment

Designed for:

- Energy and climate related companies
- Engine power providers
- Gas & fuel companies
- Environment consulting companies
- Original equipment manufacturers (OEM)

Areas of activity

- Carbon offsetting
- IATA environmental assessment
- Environmental best practices
- Fuel reporting and emission database
- Policy and outreach
- Sustainable alternative fuels
- Technology
- Aircraft decommission and recycling

Our Vision

The Aviation Environment department's goal is to ensure that appropriate environmental policies 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.

In the area of climate change, IATA has adopted a set of ambitious targets to mitigate CO2 emissions from air transport:

- An average improvement in fuel efficiency of 1.5% per year from 2009 to 2020;
- A cap on net aviation CO2 emissions from 2020 (carbon-neutral growth); and
- A reduction in net aviation CO2 emissions of 50% by 2050, relative to 2005 levels.

The industry is determined to be part of the solution but in order to achieve these targets; a strong commitment is required from all stakeholders working together through the four pillars of the aviation industry strategy, namely:

- Improved technology, including the deployment of sustainable low-carbon fuels;
- More efficient aircraft operations;
- Infrastructure improvements, including modernized air traffic management systems;
- Market-based measures, to fill the remaining emissions gap.

Exclusive Access to Meetings & Work Groups

CONTACT

Mr. Michael Gill
Director, Aviation Environment

Mr. Jon Godson
Assistant Director, Environment - Best Practices

Mr. Andreas Hardeman
Assistant Director, Environment Policy and Outreach

Mr. Michael Schneider
Assistant Director, Carbon Offset Business Development

Mr. Thomas Rötger
Assistant Director, Environment - Technology

You may reach any of the above at:



ENVIRONMENT COMMITTEE (ENCOM)

The IATA Environment Committee (ENCOM) is composed of 20 environment representatives from IATA member airlines. ENCOM advises the IATA Board of Governors, Director General and other IATA bodies on environmental matters. Its primary responsibilities are to:

- Monitor, assess and respond to environmental developments, policies and regulations of concern to IATA member airlines.
- Develop and recommend common industry positions on environmental issues.
- Advise and, as necessary, implement strategies to promote IATA positions with regulatory bodies and stakeholders.

CARBON OFFSET PROGRAM

Over 40 IATA member airlines have introduced a carbon offset program either integrated into their web-sales engines or through a third party offset provider. IATA's own program provides standardization and makes it possible for airlines of any size to easily introduce a credible and independently validated offset program.

Our program offers best practice in the structure and implementation of carbon offsetting. Offsets are carefully selected and accounted for and the issue of carbon calculation has been resolved by committing to the ICAO methodology supplemented with actual airline carbon data. The program has been independently audited and approved by the world's highest standard for carbon offsetting, the Quality Assurance Standard. IATA's Carbon Offset Program offers:

- Greater clarity to passengers on where their funds go
- Best practice methodologies
- Single customer purchase transactions
- Offset tracking

- Purchase of credits from credible emission reduction projects
- Independent validation of the program
- IATA identifies and quality controls CO2 offset projects including:
 - Project selection process
 - Arranging carbon credit purchase
 - Provision of project information for marketing purposes
 - Management and provision of CO2 offset tracking

IATA ENVIRONMENTAL ASSESSMENT (IENVA)

The IATA Environmental Assessment (IEnvA) program is designed to provide an independent assessment of, and encourage improvements in, the environmental management of an airline. IEnvA is a voluntary program based on principles in compliance with environmental obligations and a commitment to continually improve environmental management. The program provides:

- Independent assessments by accredited environmental assessment organizations, utilizing on-line tools and data exchange.
- Continuous updating of standards to reflect regulatory changes and environmental best practices.
- Reduced regulatory compliance risks, financial benefits from resource saving and demonstration of good environmental governance.
- Adoption of IEnvA procedures allows resources to focus on improving environmental performance rather than building environmental management systems from scratch.
- Continual development of additional modules, including Maintenance, Repair and Overhaul (MRO), Catering, and Ground Operations (GO).
- Compatibility with other environmental management systems requirements, such as ISO 14001.

- Compatibility with the IATA Operational Safety Audit (IOSA) and IATA Safety Audit for Ground Operations (ISAGO) programs.

ENVIRONMENTAL BEST PRACTICES

IATA undertakes a number of environmental best practice initiatives in collaboration with airlines, airports, service providers, governments and other industry stakeholders. These currently include:

- Promoting the adoption of improved waste management practices by providing assessments and advice on the handling, disposal, and recycling of cabin waste from aircraft. The airline industry currently generates approximately 4.5 million tonnes of cabin waste per annum at a cost of around \$500 million which is set to double in the next 15 years. In addition, we lobby regulators to ensure that international catering waste legislation accommodates cost-efficient recycling of cabin waste.
- IATA and the Convention on International Trade in Endangered Species of Wild Flora and Fauna (CITES) have signed a Memorandum of Understanding to cooperate on reducing trade in endangered species through awareness raising, training campaigns and information sharing.
- Best practice initiatives are active in a variety of other areas.

Strategic Partners should be encouraged to support and contribute to environmental best practices by providing case studies. Through the Strategic Partnerships program, these initiatives can be shared with airlines and other service providers.

FUEL REPORTING AND EMISSIONS DATABASE (FRED)

For IATA to demonstrate to governments and other stakeholders that the industry is undertaking aggressive actions to achieve its targets, IATA must effectively track and monitor industry emissions. Consequently in 2009, the IATA Board of Governors declared CO2 emissions reporting mandatory for all member airlines. We therefore developed FRED which

is an online reporting tool that allows members to submit detailed fuel data and access:

- Fuel efficiency blind rankings – allows an airline to compare its fuel efficiency with the efficiency of competitors.
- Fuel efficiency comparisons with industry averages - compares airline fuel efficiency with the average fuel consumption of the industry.
- Automated CO2 emissions reports.

New modules have recently been developed to support members who wish to assess their impact on local air quality and emissions associated with activities outside the scope of flight operations.

POLICY & OUTREACH

We are engaged at global and local level to ensure international organizations, governments and local authorities implement coherent policies which address environmental issues in a cost-effective manner.

Activities in this area focus on policy analysis, coordination and outreach. IATA is uniquely placed to respond to industry priorities and concerns from a global perspective. By maintaining close working relationships with industry partners, governments, regulators, service providers, NGOs and other third parties, IATA seeks to ensure that industry views are heard by relevant stakeholders and vice versa. General activities include:

- Supporting the development of environmental standards and recommended practices in ICAO.
- Working with airlines and other stakeholders to identify policies to mitigate the sector's impact.
- Providing input to regulatory processes and international negotiations (e.g. the development of a global carbon offsetting scheme for aviation).
- Informing policy-makers and stakeholders on developments in environmental solutions.

SUSTAINABLE ALTERNATIVE FUELS

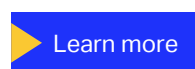
IATA is developing strategies for the commercialization of sustainable alternative fuels, with



a focus on second-generation drop-in sustainable biofuels. IATA welcomes input from Strategic Partners in this area, particularly those involved in the development and production of sustainable biomass and the production and distribution of fuels. IATA currently:

- Engages in policy advocacy to extol the merits of consistent, reliable and effective policy to advance the commercial deployment of aviation biofuel.
- Connects different stakeholders across the entire aviation biofuel value chain to facilitate cooperation, knowledge sharing and partnerships.
- Provides policy input and support at national, regional (e.g. EU) and international (UN) level to create the necessary framework for the commercialization of sustainable aviation fuels
- Communicates global aviation biofuel trends and developments including both commercial deployment and policy drivers.
- Works towards removing obstacles to the realization of a cost-competitive, sustainable aviation jet fuel market.
- Promotes the use of sustainable aviation fuels in compliance with robust sustainability criteria.
- Supports and raises public awareness of related industry efforts.
- Plays a role in standard setting for alternative drop-in fuels in the areas of technical certification and logistics and provide related technical support.

For further information please refer to the Alternative Fuels Strategic Partnerships information page available at:



TECHNOLOGY

IATA monitors the development of technologies to reduce aircraft emissions and evaluates their efficiency to contribute to our climate change goals.

- IATA regularly publishes a Technology Roadmap describing the main innovations in aircraft, engine and equipment technology currently under development, the emissions reduction potential they offer and the impact on the world fleet emissions.
- Working together with Strategic Partners in the manufacturing industry and in research and development gives them the opportunity to promote new technologies among airline customers and to collect airlines' feedback on how these technologies can be integrated in airline operations.

AIRCRAFT DECOMMISSIONING AND RECYCLING

The number of aircraft reaching their end of life is continuously growing; 12000 aircraft are expected to be decommissioned in the next 20 years.

- To ensure that this happens in a safe and environmentally manner and that airlines can maximise the revenue from the residual value, IATA will develop industry best practices together with other industry partners.
- Airlines need to have competent partners supporting them with expertise in the area of aircraft decommissioning and recycling. This is an opportunity for a new field of strategic partnerships with specialized companies.

Additional Strategic Partnership benefits

Branding

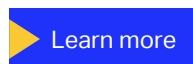
- Recognition as a valuable supporter of IATA and the air transport industry
- Inclusion in the IATA Strategic Partnerships online directory
- Exclusive usage of the IATA Strategic Partnerships Recognition Stamp
- Promotion through the electronic quarterly Strategic Partner Newsletter, viewed by thousands 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.



Publications

Partners may purchase publications at a preferential rate.

Environment-related IATA publications are available on the IATA website:

[IATA Sustainable Alternative Aviation Fuels Strategy](#)

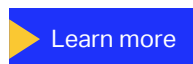
[IATA Reports on Alternative Fuels](#)

[Biofuel Producers Directory](#)

[IATA Guidance Material for Biojet Fuel Management \("Bioguide"\)](#)

[IATA Technology Roadmap](#)

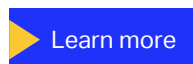
[IATA Sustainable Alternative Fuels Roadmap](#)



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).



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

Monthly Updates

- Strategic Partners will benefit from a monthly update given by IATA's subject matter experts outlining the main developments in environmental policy affecting the aviation sector.

