IATA Carbon Offset Program

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Carbon Offsetting: Aviation

- Passengers offset share of flight’s emissions by investing in carbon reduction projects that generate carbon credits.


- No information-sharing, “real balance” of aviation’s emissions not known.

- 32 IATA airlines offer offsets using different calculators, providers and investing in carbon projects with variable quality.

- Passengers are confused, sceptical and pick-up rates are low.

- In response, IATA developed:
  - industry offset guidance manual, and,
  - IATA Offset Program.
IATA Carbon Offset Program: Key Advantages

- Easy and convenient one-stop-shop for airlines
- Saved resources on development, management and administration
- Harmonised approach for carbon emissions and future reporting
- Carbon offsets via travel agents and GDS will be included
- Ability to negotiate project purchases at greater scale and better cost
- Basis for a transparent, robust and auditable carbon accounting
IATA Carbon Offset Program: Design Criteria

Criteria includes:

- offers standard methodologies based on best practice,
- single customer transaction,
- use of IATA financial management platforms,
- low/no financial risk to airlines/IATA,
- independent validation,
- offset tracking through ticketing codes (interlineable),
- investing in credible emission reduction projects (with national or historic/cultural link to airline)
- Partnering with leading carbon project provider with over 350 projects in pipeline (31 delivered)
Proliferation of aviation carbon calculators cause passenger confusion

Most calculators are based on generic aircraft efficiency models (distance multiplied by an emission factor)

Very few use actual airline data (fuel burn, load factor, seat configuration)

IATA Carbon Calculator based on the ICAO methodology (Section 7 – Recommendations) uses actual data
IATA’s Carbon Calculator Tool

Note: All values are the average across all flights for the city pair flown
IATA Carbon Offset Program: Quality Assurance

- Quality is key issue for passenger interest
- Passengers are more sensitive to quality than price
- Passenger scepticism regarding carbon calculation and project validity significantly impacts uptake rates
- IATA Program and IATA Carbon Calculator Tool, validated by independent offset quality assurance (QA) scheme
- Allowed to use Offset QA “logo”
### Offset your Carbon Emissions

Please be aware that your carbon offset contribution isn’t mandatory and can not be refunded once it is paid. TAP does not benefit from this Programme.

Total Distance for this itinerary (km): 1471  
CO2 emission for this itinerary (tonnes): 0.169

**Total offset cost**: 2.59 EUR per person

- [ ] Which project am I helping?

- [ ] Add the contribution amount to my flights

Airports:
- **CDG** - Charles de Gaulle

**Please check your flight details at left.**

**Help the environment and reduce the impact from your flights by offsetting your carbon emissions.**

Your money will be donated to U.N. certified emission reduction projects.
Aquarius Hydroelectric Project

The Aquarius Hydroelectric Project is a small-scale, renewable energy project in Brazil. The project is a grid connected run-of-river hydropower plant (with no dam or flooding) at Itiquira, Mato Grosso State, Brazil, and is registered under the United Nations Framework Convention on Climate Change (UNFCCC) Clean Development Mechanism (CDM). The project has an installed capacity of 4.2 MW and utilizes the water of the Corrente river. It partly replaces fossil fuel-based electricity generation and is expected to reduce greenhouse gas (GHG) emissions by approximately 15,000 tonnes CO2 equivalent per year. The independent verification report confirmed that, in the period between 15 December 2006 and 31 December 2007, the project reduced emissions by 19,024 tonnes CO2 equivalent.
IATA Carbon Offset Program: Current Status

- TAP launched on 5 June 2009

- 21 December 2009: TAP received a “Planet Earth Award 2010”, in category of “Most Innovative Sustainable Product”, by UNESCO
IATA Carbon Offset Program: Airline Partners
IATA Carbon Offset Program: GDS Partners

[Logos of Amadeus and Sabre Holdings]
IATA Offset Program: Next Steps

- Encourage additional airlines to join Program
- Support development of aviation-related offset projects
- Develop Phase II solutions:
  - corporate and retail shops;
  - frequent flyer miles (FFM);
  - cargo offsets;
  - GDS; and,
  - on-line travel agents
IATA Offset Program: Summary

- IATA launched an award-winning Offset Program with TAP in June 2009
- 7 airlines due to go “live” in June/July 2010
- Independent validation by UK Offset QA Scheme
- Invests in UN-backed credits with geographical connection to airline
- Carbon calculator based on actual airline data
- Developing new sales routes and offset products
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