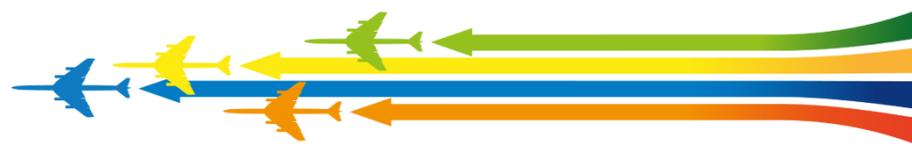




ICAO

UNITING AVIATION

**E-GAP**



# ICAO Global Aviation Partnerships on Emissions Reductions (E-GAP)

## Carbon Markets

= *TAP Carbon Offset Programme* =



## TAP CARBON OFFSET PROGRAMME

---

- The first worldwide launched with IATA (June 2009)
- TAP was awarded a “Planet Earth Award” by UNESCO and International Union of Geological Sciences
- It is available at [www.flytap.com](http://www.flytap.com)
- Allows passengers to **voluntarily** offset carbon dioxide (CO<sub>2</sub>) emissions from their flights, contributing to emissions reduction projects in developing countries (Clean Development Mechanism -CDM Projects)
- Included in the booking process in a user friendly way (simple, easy and safe)
- CO<sub>2</sub> calculator based on ICAO methodology



## TAP CARBON OFFSET PROGRAMME

➤ According to ICAO Carbon Emissions Calculator Methodology:

*“As ICAO recognizes the additional benefits, which more detailed air carrier specific data can provide, the ICAO methodology is intended to be open source for carriers that are considering their own offset programmes and able to receive enhancements to the quality of data employed for the calculations.”*

TAP used their own verified data on fuel burn, passenger and cargo weights, seat configuration and load factors to calculate the volume of emissions from a flight.

➤ TAP offset programme has been approved by the *Quality Assurance Standard*, the only independent offset programme quality assurance standard.

➤ The Programme has been shown to meet the requirements of the scheme including environmental integrity, emission calculation methodology, clear and transparent pricing, accurate marketing material and consumer information.





## TAP CARBON OFFSET PROJECT

➤ IATA has access to a Portfolio of international offset project

- Certified Emissions Reduction (CERs) - CDM projects under Kyoto Protocol and EU Emissions Trading System compliant, or
- Verified Emissions Reductions (VERs) - Gold Standard, VCS

➤ **TAP Carbon Offset Project:**

- Irani Biomass Project – Brazil
- Use of high quality CER credits issued under the Clean Development Mechanism (CDM) Kyoto Protocol.

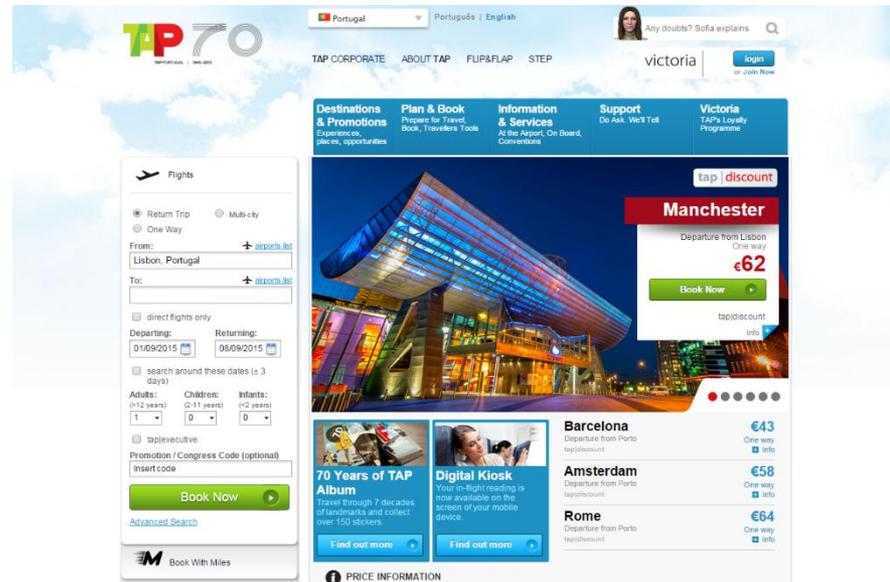
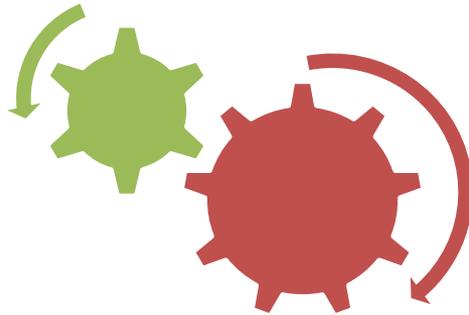
The project consists of a 9.43 MW biomass energy power plant which generates electricity for paper manufacturing processes at the Irani Factory.

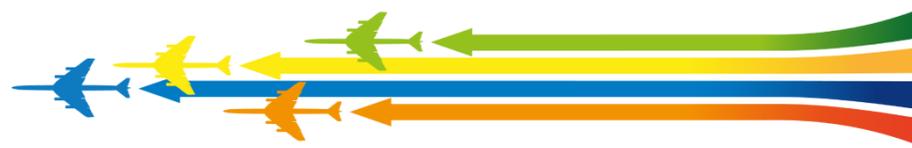
In addition, to the electricity generation by a greenhouse gases neutral option the project also avoids methane emission that would result from biomass landfill.



# TAP CARBON OFFSET PROGRAMME

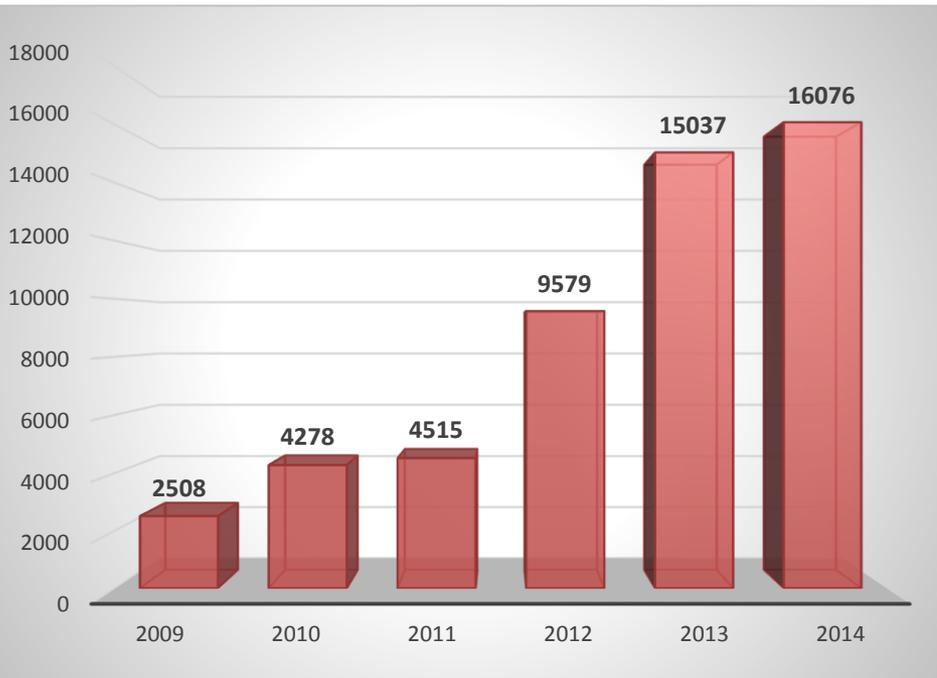
# How it Works?





## TAP CARBON OFFSET RESULTS

Tonnes CO<sub>2</sub> offset



In 2014...

Over **68 thousand**  
**Passangers** voluntarily offset the



carbon emissions resulting from their trip



**Lisbon – Paris (Orly)**

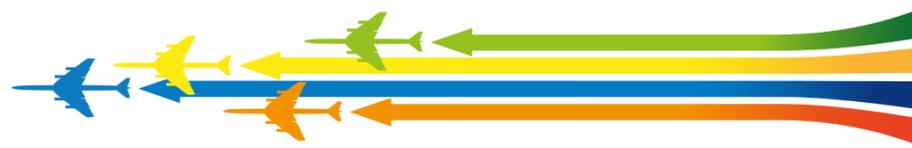
route with the highest value of CO<sub>2</sub> emissions offset



ICAO

UNITING AVIATION

**E-GAP**



## TAP Partners multiplying environmentally sustainable aviation action



STAR ALLIANCE





ICAO UNITING AVIATION

E-GAP



Thank you!

Andreia Afonso  
Corporate Environmental Affairs

[ambiente@tap.pt](mailto:ambiente@tap.pt)



TAP PORTUGAL

de braços abertos  
with arms wide open

A STAR ALLIANCE MEMBER

ICAO Global Aviation Partnerships on Emissions Reductions (E-GAP) Seminar  
ICAO Headquarters, Montréal, 16 to 17 September 2015

ENV2015