

# Aviation and climate in numbers



It takes 2 bathtubs full of kerosene to transport a passenger from Frankfurt to Los Angeles.

Air transport is responsible for up to 10% of humankind's contribution to global warming.



**60%**

of people say they would be willing to pay voluntary climate fees for their air travel.



**9 out of 10**

Proportion of the world population that has never boarded a commercial aircraft.

Air transport is the only human activity that directly alters natural cloud formation in the upper troposphere.

**100%**

## How to offset your flight: Do your part – it's so easy

Simply go to [atmosfair.org](http://atmosfair.org) and use our flight CO<sub>2</sub> emissions calculator to find out how much CO<sub>2</sub> your flight creates. You can offset the full amount or a part of it directly on the atmosfair website. Your climate contribution will be used in one of our offsetting projects to save the same amount of CO<sub>2</sub> emissions, and you will receive a certificate via mail. German customers can also use the donation receipt to obtain a tax write-off.

## About us

atmosfair is an independent non-profit organisation based in Berlin, Germany, financed entirely by private donors. In 2002, atmosfair started as a research project of the German Federal Environment Ministry.

### atmosfair repeatedly number 1

In 13 international studies evaluating offset providers, atmosfair performed best.



Ranked #1  
2012



Ranked #1  
2007



Ranked #1  
2007

### Prominent partners



Prof. Dr. Klaus Töpfer

Former Executive Director of the United Nations Environmental Program (UNEP)



Prof. Dr. Mojib Latif

Leibniz Institute Aquatic Sciences University of Kiel



Astrid Fänderich

german actress, known for "SOKO Stuttgart"

### Our partners



### Contact

For more information on atmosfair, please visit [www.atmosfair.org](http://www.atmosfair.org) or contact us: [info@atmosfair.de](mailto:info@atmosfair.de)

think • go climate conscious

atmosfair



## How to fly atmosfair

Offset your flight

[www.atmosfair.org](http://www.atmosfair.org)

Printed in Germany on FSC Mix certified paper.

# atmosfair – when you have to fly



atmosfair project: Honduras, atmosfair small hydropower plant

Offsetting has become popular in recent years. The principle is easy: it is difficult to avoid emitting some greenhouse gases. Through offsetting, individuals or companies can make voluntary climate contributions to finance emissions-saving projects that save the same amount of emissions elsewhere.

atmosfair was established as a spin-off of a research project of the German Federal Ministry for the Environment in order to set high standards and make offsetting a trustworthy way to help with the problem of climate change.

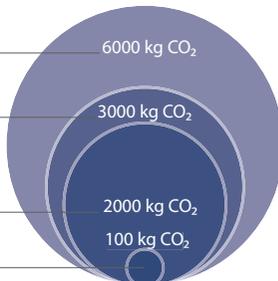
**Frankfurt-Singapore (return flight, economy)**

**Maximum allowable climate budget of one person per year in order to control global warming**

Total emissions from household, transportation, leisure time, etc.

**One year car driving, 35 km per day**

**Refrigerator, one year**



Aircraft emissions consist of more pollutants than CO<sub>2</sub> alone. The different pollutants are converted here into the present equivalent of CO<sub>2</sub> emissions according to their global warming effects.

# Our carbon offset projects

## Enabling clean energy

atmosfair spends your climate contribution on renewable energy and energy-saving projects in developing countries.

## How our projects are evaluated – unique UN certification for atmosfair projects

atmosfair projects undergo the approval procedure of the Clean Development Mechanism of the United Nations, which is very strict, transparent and verified by UN-accredited auditors. In addition, the projects are verified by the Gold Standard Foundation, which verifies the positive contribution of the projects to the livelihoods of the beneficiaries.



atmosfair project: Biogas units in India



Energy efficiency



Wind power



Hydro power



Solar energy



Biogas and biomass



Environmental education

## Project example

### India

Indian households are supplied with small biogas units and no longer have to use kerosene or wood for their cooking. The use of biogas for cooking eliminates smoke from kitchens, thereby improving the overall health of women and children.

## atmosfair standards

- Low administration costs, only 10% of revenues
- CDM Gold Standard-certified projects
- Scientific flight emissions calculation, including for example contrails and ozone effects
- Communicating offsetting as a second-best solution (for example, by avoiding the term “climate neutral”)
- Promotion of avoidance and reduction practices (for example, holidays to local destinations and video conferencing)