

## What is BASE?

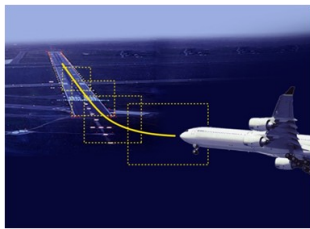
**BASE** is a Clean Sky project which aims at understanding the impact of environmental regulations on **business jet operators** and how they can improve their operations.

The objective of BASE is threefold:

- **Gather and analyze FDR** data and improve flight trajectories in terms of fuel & emissions
- **Survey environmental constraints** worldwide applicable to business aviation
- **Understand the costs of environmental constraints** for bizjet operators

## Analyzing trajectories and emissions

BASE will record flight data parameters, second by second, from various business jets on actual flights

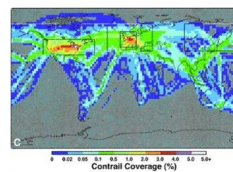


These data will then be analyzed with scientific and mathematic techniques to understand their variation and dispersion and find-out improvements in terms of fuel consumption, emissions (CO<sub>2</sub>, NO<sub>x</sub>, CO, HC) and noise.

BASE expects to deliver short-term improvements (best-practices) as well as medium-term improvements (avionics).

## Understanding environmental constraints & economic impact

BASE will survey all the existing and future environmental constraints worldwide applicable to business aviation, and will survey business jet operators to understand the cost impact of these regulations and how bizjet operators adapt their strategy and operations .



## Benefits for participating

We are looking for one or several business jet operators to participate to the project. You can participate as:

- A **full partner**: you get funding (50% to 75% of your spending), full access to the project deliverables and can use the reference for your PR.
- An **FDR data provider**: your FDM organization grants access to actual flight data that will be treated confidentially and only for research purposes. You'll get access to the reports on flight analysis and fuel efficiency and can find ways to improve your operations.
- A **simple interviewee**: you'll get the report on the economic impact of environmental constraints.

We are looking in particular for **Full partners** or **FDR data providers**.

## About **CLEANSKY**

Clean Sky is the largest R&D project on the future of an environmental friendly aviation.

It is a joint undertaking composed of major aviation stakeholders such as Airbus, Dassault, Saab, Snecma, Rolls-Royce, Thales... and the European Union, investing 1.6 B€ in R&D within the next 6 years.

BASE is part of Clean Sky's Green Trajectory ITD with the goal to reduce aircraft emissions by 11%.

## The consortium

The BASE consortium made of OpenAirlines and SustainAvia has been awarded the call for projects on business jet operators.

It will invest 240K€ in R&D.

Openairlines

SustainAvia  
Aviation ETS Expertise

Business Jet Operator  
Welcome!

## About **SustainAvia** Aviation ETS Expertise

SustainAvia and VerifAvia are companies that offer consulting and verification services on ETS with a special focus on business aviation.

Within BASE, SustainAvia will survey the impact of environmental constraints on business jet operators.