

TAKE OFF



CEIT ALANOVA gemeinnützige GmbH

Institute of Urbanism, Transport,
Environment and Information Society

concorde technology center schwechat
Am Concorde Park 2
A 2320 Schwechat, Österreich / Austria

T +43 (1) 903 60 | F +43 (1) 903 60 – 12 99

alanova@ceit.at | www.ceit.at



Programme Owner TAKE OFF:
BMVIT -
Austrian Federal Ministry for
Transportation, Innovation and Technology

Programme Management TAKE OFF:
FFG - The Austrian Research Promotion
Agency

AIRCLIP

AIRPORTS AND CLIMATE PRESERVATION

As a result of both increasing air traffic (at least until 2008) and growing awareness of the rising energy use and emissions throughout the aeronautical industry, environmental issues and climate protection are gaining attention from a research perspective.

The research effort AIRCLIP collected, analyzed and documented best practices associated with about 200 environmental measures for the reduction of CO₂ emissions at and around 60 international airports. Those environmental measures have been evaluated and possible implementations for the Austrian airports have been examined in order to develop strategies and procedure recommendations for the future.

The study also included already implemented or planned environmental measures for the reduction of CO₂ emissions at and around the Austrian airports for the benefit of international experts. AIRCLIP documented figures, calculations, links and contact data related to the catalogued best practices. The Best-Practice-Database and the whole research study is structured according to the following 5 topics:

- „Airfield operations“
- „Transport and Mobility“
- „Energy efficiency“
- „Renewable energy“
- „Administrative “

The most successful international airports in terms of the realization of environmental measures for the reduction of CO₂ emissions include: Stockholm-Arlanda, Zurich, Geneva, Hamburg, Munich, Copenhagen, London- Heathrow as well as Portland, Seattle, Auckland und Sydney. In addition, the implemented environmental measures at and around Austrian airports such as Vienna International, Salzburg or Innsbruck Airport are noteworthy best practices offering quite good benchmarks on the reduction of CO₂ emissions.

The research study AIRCLIP was carried out by CEIT ALANOVA - Central European Institute of Technology, Institute for Urbanism, Transport, Environment and Information Society. It was funded

within TAKE OFF - The Austrian Aeronautics Research and Technology Programme/4th call for tenders. The Programme Owner of TAKE OFF is the Federal Ministry for Transport, Innovation and Technology/Department of Mobility and Transport Technology (Programme management of TAKE OFF: The Austrian Research Promotion Agency).

The final report of the research study is available in English online for free via the following link as the „Best-Practices-Database“: <http://www.bmvit.gv.at/innovation/luftfahrt/studien/index.html>

More informations:

- ◆ <http://www.ceit.at/airclip0.html>
- ◆ <http://www.bmvit.gv.at/innovation/luftfahrt/studien/index.html>

Final results:

- ◆ Final report (*.pdf, 5mb):
http://www.bmvit.gv.at/innovation/verkehrstechnologie/downloads/airclip_final_report.pdf
- ◆ Best-Practice-Database:
<http://spreadsheets.google.com/pub?key=p1FqmxDsZkcJzT74YWg-ZAQ>

Media Coverage:

- ◆ New York Times - Airports See Success in Reducing Emissions
<http://www.nytimes.com/cwire/2009/04/24/24climatewire-airports-emission-reduction-efforts-start-to-10667.html?scp=3&sq=Macabrey&st=cse>
- ◆ ClimateWire - Mitigation: Airports' emission reduction efforts start to take off
<http://www.eenews.net/public/climatewire/2009/04/24/1>
- ◆ In German: Flughäfen verbessern ihre Umweltbilanz (Airports are enhancing their environmental audit)
<http://www.presstext.ch>

Contact Persons:

Manfred Schrenk	m.schrenk@ceit.at	tel: +43 664 85 44 390
Christian Eizinger	c.eizinger@ceit.at	tel: +43 664 85 44 394

Contact and further project informations:

CEIT ALANOVA - Central European Institute of Technology,
Am Concorde Park 2 / F,
A-2320 Schwechat
fon +43 1 90360 1241
fax +43 1 90360 1299
airclip@ceit.at
www.ceit.at/airclip0.html

Status: Juni 2009