



DLR, Air Transport and Airport Research

## Emissions Trading in Aviation

Aviation's importance for economical growth and wealth in a world of globalisation and labor division is beyond dispute. However, the emissions of aviation are probably contributing to the anthropogenic climate change. Due to this fact, currently various international organizations (e.g. ICAO and EU) are discussing tools to cut down emissions and at the same time minimize the abatement costs of greenhouse gases in aviation.

Emissions Trading as a market-based instrument has proven to be both economically efficient and ecologically effective in principle. One option for emissions trading in aviation is the integration of aviation in already existing emissions trading systems. This way it is possible to reduce transaction costs, to achieve fixed environmental objectives, and avoid nuisance in traffic growth.

DLR Experts from the Air Transport and Airport Research Institute are official members of the relevant ICAO and ECAC/ANCA working groups on emissions trading and aviation on behalf of the German Federal Ministry of Transport. This way, DLR experts are actively co-designing the political solutions found. At the same time, DLR experts are assisting the German Federal Ministry of Transport by providing scientific ad hoc-support on any aviation related environmental issues.