



# HAIC - High Altitude Ice Crystals

## Kick-off Meeting

*"...provide the necessary Acceptable Means of Compliance and appropriate ice particle detection / awareness technologies to the European aeronautics industry in order to enhance aircraft safety when flying in mixed phase and glaciated icing conditions."*

Commercial aircraft has been experiencing in-service events while flying in the vicinity of deep convective clouds since at least the early 1990s. Heated probes and engines are the areas of aircraft most prone to mixed phase and glaciated icing threat.

**HAIC** (High Altitude Ice Crystals) is a large-scale integrated project which aims at enhancing aircraft safety when flying in mixed phase and glaciated icing conditions. In anticipation of regulation changes according to these particular icing conditions, the HAIC project will provide the necessary Acceptable Means of Compliance (numerical and test capabilities) and appropriate ice particle detection/awareness technologies to the European Aeronautics industry for use on-board commercial aircraft.

HAIC will also foster international cooperation and collaboration thanks to the involvement of key international organisations and companies through the HAIC Advisory Board. Finally, HAIC will complement the work performed by existing international projects and working groups, notably **EASA-HighIWC**, **HIWC** (High Ice Water Content), **EIWG** (Engine Icing Working group) and **ICC** (Ice Crystal Consortium), and pave the way towards the ACARE 2020 and Flight Path 2050 safety objectives.

Coordinated by Airbus, the HAIC Consortium brings together 34 partners from 11 European countries and 5 International partners from Australia, Canada and the United States. The total budget of the project is 22.8 M€, partially funded by the European Commission under FP7-AAT-2012-3.5.1-1. Starting from August 2012, the project is expected to be completed by July 2016.

Airbus organised a 2-day event on October 8<sup>th</sup> – 9<sup>th</sup> 2012, hosted by Meteo France at Toulouse, during which the official launch of the HAIC project took place. Besides the formal project kick off, the meeting provided an opportunity for the partners to meet, obtain an overview of the entire project and initiate the first activities and interactions.

During the two days of the meeting, the HAIC Technical Director welcomed all participants and provided an overview of the project. Pablo Perez-Illana, EC Project Officer, highlighted the importance of this project towards enhancing aviation safety and achieving ACARE 2020 and Flight Path 2050 safety objectives. Following that, an overview of the activities was presented by the relevant partners. Finally, the management structure, review processes and dissemination rules were explained to all participants, to allow for smooth and timely communication between the consortium members throughout the project.

