

Executive publishable summary

Definition of Research Agenda

Considering the new individual projects situation, Technology and Impact Assessment technical roadmaps have been reviewed, helping to identify a list of updated priorities, i.e.

- initiate numerical simulation effort on Core noise (unsatisfied priority from the previous year)
- address installation effects with a particular view on novel configurations as well as business jets
- initiate effort on open rotor en-route noise
- initiate effort on Interdependencies modeling

The Stakeholders Seminar on aviation environmental tradeoffs and interdependencies, a joint effort between X3-Noise, AERONET and CEAS, took place on 7-8 October 2008, as part of the framework of the Third Congress of "Aviation in XXI Century", organised by the National Aviation University, Kiev, Ukraine. It successfully brought together 50 participants, all European, CIS and US experts, to exchange on the main topics involved in this issue: technology, operations, modeling and policy.

Dissemination

The Third X3-Noise Scientific Workshop was held in the Faculty of Engineering of Bilbao, Spain, on 23rd and 24th of October 2008. The topic of the workshop was "Turbomachinery Broadband Noise". Sixty three delegates participated in the six sessions. Those represented most EU countries including new member states, the USA, Russia, Brazil and Japan, with a good attendance from the aerospace industry sector. There were 3 keynote lectures and 19 contributed papers.

As a follow-up activity to last year's International Technology Seminar, the European participants (industry and main Research Establishments) contributed to the material presented to the ICAO CAEP Independent Experts at the occasion of the Noise Technology Workshop and Review held September 2008. A summary presentation on European research was performed at the workshop.

The network Public Website has now been fully operational for more than a year, allowing access to the publication data base (back to FP4 projects) and previous Scientific Workshops proceedings. Also available are the description of objectives, partnership and technical achievements for past and on-going aircraft noise projects, with links to the publication index and individual project websites. Posters in downloadable format are available for each project. The website features an interactive calendar of environmental meetings and conferences. The first X3-Noise Scientific Newsletter, which has been published during Winter 2008/2009.

Integration of Research Community

As of today, about 35 national workshops / information sessions have been organized by the Focal Points. Expertise mapping and establishment of a homepage have really picked up speed over the last year with 13 homepages now operational and accessible through the network public website. A rotating scheme has been initiated that will see all countries involved in the network to present national activities at the occasion of the annual network meeting.