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## European Aircraft Noise Research Network

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### Abstract

The X3-NOISE Coordination Action, through its network structure and comprehensive workplan involving expert groups, scientific workshops, stakeholder seminars and a common information system, addresses the aircraft noise challenges set by the ACARE 2020 Vision.

To this end, X3-Noise undertakes the elaboration and coordination of research activities, the dissemination of results and the integration of European research activity in the field of air transport related to noise.

The objectives of the project can be summarised as follows:

- Evaluation of EC-funded projects and assessment of their contribution to the state-of-the-art.
- Formulation of priorities and key topics for future technology projects through development of common strategies, identification of required infrastructures, benchmarking against competing countries and complementarity with national activities.
- Formulation of research strategy for the development of tools / instruments aimed at supporting the management of airport environmental capacity within the frame of ICAO Balanced Approach and EC Environmental Noise Directive.
- Identification of potential reinforcement of future project partnerships through expertise mapping to foster new collaborations and promote novel ideas.
- Optimum exploitation of anticipated breakthroughs in Aircraft Noise research by the scientific community, SME's interested in aeronautics applications and other noise engineering areas.
- Appropriate communication and feedback strategy to inform on progress made in aircraft noise research, including the development of technical information aimed at Regulatory Bodies and Policymaking Agencies on the basis of state-of-the-art, demonstrated technology and operational capabilities of future aircraft.
- Improved integration of the European Aircraft Noise Research Community through a network of National Focal Points (NFPs) , including the structured development of local networks in new EU member states in order to foster participation in future projects.

Over 4 years, the project involves 32 partners from 20 countries (FR, UK, ES, NL, BE, DE, SE, IT, PL, HE, HU, CZ, LT, IE, PT, RO, CH, UA, EG, BR), combining the complementary skills and expertise of industry partners, SMEs, university and research establishments to cover the whole field of interest. The international co-operation aspects of the research agenda to be developed through the project activity are further reinforced by the participation of 3 partners from Ukraine, Egypt and Brazil acting as Focal Points at Regional level.