Community Oriented Solutions to Minimise aircraft noise Annoyance

Fact Sheet

Project Information

COSMA
Grant agreement ID: 234118
Status
Closed project
Start date 1 June 2009
End date 31 March 2013
Funded under
FP7-TRANSPORT
Overall budget € 5 913 949,60
EU contribution € 4 096 034
Coordinated by
AIRBUS DEFENCE AND SPACE GMBH
Germany

Objective

COSMA aims to develop engineering criteria for aircraft design and operations in order to reduce the annoyance within airport communities due to aircraft exterior noise. By today, such criteria do not exist since aircraft noise engineering has historically focused on achieving ever lower noise levels for individual events and at close distance from the runway. Within the frame of a unique approach, COSMA will - improve the understanding of noise annoyance effects due to aircraft in the airport surrounding community through field studies and dedicated psychometric testing - use these findings in setting up optimised aircraft noise shapes - develop techniques for a realistic synthesis aircraft noise around airports - validate the optimised aircraft noise shapes and their associated engineering guidelines - put in place an efficient knowledge management for design practices and scientific information on aircraft exterior noise annoyance effects Through this comprehensive workplan, COSMA will ensure optimum exploitation of the scientific research results by reducing noise annoyance at source (whether by technological or operational means) through an i d d t di f th ff t f i ft i i th i t di
improved understanding of the effects of aircraft noise in the airport surrounding community. Under the technical guidance of industry experts, COSMA will integrate contributions from research organisations and SME’s, bringing together the multi-disciplinary background that is required for achieving the project objectives. COSMA is involving 21 partners from 9 different countries: Germany, France, UK, Netherlands, Sweden, Italy, Belgium, Portugal and Hungary.

Field of science
/Engineering and technology/mechanical engineering/vehicle engineering/aerospace engineering/aircraft

Programme(s)

Topic(s)

Call for proposal
FP7-AAT-2008-RTD-1

Funding Scheme
CP-FP - Small or medium-scale focused research project

Coordinator

AIRBUS DEFENCE AND SPACE GMBH
Address
Willy-messerschmitt-strasse 1
82024 Taufkirchen
Germany

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

EU contribution
€ 348 000

Website

Contact the organisation

Administrative Contact
Peter Lilischkis (Mr.)

Participants (20)

SAFRAN AIRCRAFT ENGINES
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<tr>
<th>France</th>
<th>EU contribution</th>
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<td>Bvd Du General Martial Valin 2 75015 Paris</td>
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<td>Website</td>
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<td>Administrative Contact</td>
<td>Patrick Houel (Mr.)</td>
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<th>SIEMENS INDUSTRY SOFTWARE NV</th>
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<td>Karl Janssens (Dr.)</td>
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<td>Administrative Contact</td>
<td>Donatella Invernizzi (Dr.)</td>
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| 01DB-METRAVIB SAS | France |
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Activity type
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PROJECTO, EMPREENDIMENTOS, DESENVOLVIMENTO E EQUIPAMENTOS CIENTIFICOS E DE ENGENHARIA
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France
France

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