

PROJECT

PJ08 AAM

Advanced Airspace Management

Funding: European (Horizon 2020)

Duration: Nov 2016 - Dec 2019

Status: Complete

Total project cost: €15,431,292

EU contribution: €2,738,349



Call for proposal: H2020-SESAR-2015-2

[CORDIS RCN : 206246](#)

Background & policy context:

According to EUROCONTROL's 2013 Challenges of Growth Report, Air traffic in the ECAC region is forecast to increase by 50% between 2012-2035 (most-likely scenario).

Air traffic diversity is expected to become even more complex with the emergence of Remotely Piloted aircraft Systems (RPAS) and the multi-task nature of military aerial missions. The extension of free route operations will also imply more complex and dynamic traffic patterns.

Network Operations will have to become more flexible and adaptable, allowing effective balance between capacity, mission effectiveness, flight efficiency and environmental requirements on one hand, and the diversity of user requirements on the other.

PJ08 Advanced Airspace Management (AAM) brings key European aviation industry partners combining the right expertise and investment to address this challenge.

Objectives:

Aligned with the ATM Master Plan, AAM Partners focus on Dynamic Airspace Configurations (DAC) and Dynamic Mobile Areas (DMA). Compared to today's airspace scenarios, which by their nature are static, DAC/DMA enable flexible solutions that can be dynamically adapted to traffic demand to respond to different regional/local performance objectives, which may vary in time and place.

AAM Partners will further elaborate the definition of DAC/DMA, the associated data models and operational processes, validate the operational feasibility and assess the performance impact. The readiness for integration of the DAC operational process in the DCB process will be as well addressed. Automated tools to generate optimum sector design and configurations, as well as DMA optimal location and volume to meet performance targets will be developed.

AAM supports the SESAR Deployment regulation and addresses European concerns on economic (more efficient use of ATM Network resources) and environmental sustainability (reduced fuel burn and emissions) of Air Transport system giving Civil and Military Users the ability to optimise their operations.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Eurocontrol - European Organisation For The Safety Of Air Navigation

Address:

Rue De La Fusée 96
1130 Bruxelles
Belgium

EU Contribution: €0

Partner Organisations:

Airbus

Address:

2 ROND POINT EMILE DEWOITINE
31700 BLAGNAC
France

Organisation Website:

<http://www.airbus.com>

EU Contribution: €131,013

Polska Agencja Zeglugi Powietrznej

Address:

Ul. Wieszowa 8
02N/A147 Warszawa
Poland

EU Contribution: €159,724

Saab Ab

Address:

Broederna Ugglas Gata
58188 LINKOEPING
Sweden

Organisation Website:

<http://www.saab.com>

EU Contribution: €0

Hungarocontrol Hungarian Air Navigation Service

Address:

Iglo U. 33-35
BUDAPEST
1185
Hungary

EU Contribution: €0

Rizeni Letoveho Provozu Ceske Republiky Statni Podnik

Address:

Navigacni 787
25261 Jenec
Czech Republic

EU Contribution: €0

Stiftelsen Sintef

Address:

Strindveien
7034 Trondheim
Norway

Organisation Website:

<http://www.sintef.no>

EU Contribution: €70,087

Direction De La Navigation Aérienne

Address:

50, rue Henry Farman
75720 PARIS
France

Organisation Website:

<http://www.aviation-civile.gouv.fr>

EU Contribution: €267,450

Enav

Address:

VIA SALARIA, 16
138 ROME
Italy

Organisation Website:

<http://www.enav.it>

EU Contribution: €63,983

Entidad Pública Empresarial Aeropuertos Españoles Y Navegación Aérea

Address:

Arturo Soria 109
28043 Madrid
Spain

Organisation Website:

<http://www.aena.es>

EU Contribution: €212,447

Valstybes Imone Oro Navigacija

Address:

RODUNIOS KEL 2
02188 VILNIAUS
Lithuania

EU Contribution: €0

Atos Belgium

Address:

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1930 ZAVENTEM
Belgium

EU Contribution: €71,295

Sintef**Address:**

Strindveien 4
7034 TRONDHEIM
Norway

Organisation Website:

<http://www.sintef.no>

EU Contribution: €110,719

Frequentis Ag**Address:**

Innovationsstrasse 1
1100 WIEN
Austria

Organisation Website:

<http://www.frequentis.com>

EU Contribution: €0

Indra**Address:**

Avenida de Bruselas, 35
Alcobendas Madrid
Spain

Organisation Website:

<http://www.indra.es>

EU Contribution: €203,905

Thales Las France Sas**Address:**

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94150 Rungis
France

EU Contribution: €226,074

Nats (En Route) Plc**Address:**

5th Floor South, Brettenham House, Lancaster Place
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WC2E 7EN
United Kingdom

Organisation Website:

<http://www.nats.co.uk>

EU Contribution: €83,178

Letove PrevadzkoVe Sluzby Slovenskej Republiky, Statny Podnik**Address:**

IVANSKA CESTA 93
823 07 BRATISLAVA

Slovakia

EU Contribution: €0

Dfs Deutsche Flugsicherung GmbH

Address:

Am DFS-Campus 10
63225 LANGEN
Germany

Organisation Website:

<http://www.dfs.de>

EU Contribution: €68,776

Airtel Atn Limited

Address:

The Forum, Glashule Road 29
N/A
Glashule
Ireland

Organisation Website:

<http://www.airtel-atn.com>

EU Contribution: €0

Technologies:

Information systems

Air traffic management systems

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other