

PROJECT

PJ10 PROSA

Controller Tools and Team Organisation for the Provision of Separation in Air Traffic Management

Funding: European (Horizon 2020)

Duration: Nov 2016 - Dec 2019

Status: Complete

Total project cost: €43,248,874

EU contribution: €26,388,519



Call for proposal: H2020-SESAR-2015-2

[CORDIS RCN : 206393](#)

Background & policy context:

Single European Sky – the vision is clearly described in the ATM Masterplan. Reaching the goals for the European Airspace is only possible with focused technical developments on European level.

The air traffic controller is the main player in the traffic management at tactical level. This project aims at providing the air traffic controller with more automated tools, thus freeing capacity for situations where human intervention is crucial. This provides even safer service for an increasing amount of traffic and with lower costs, as required by airspace users.

Objectives:

This project is a part of the SESAR programme and addresses separation management. It will not only improve current conflict detection tools, but also develop new tools aiding the air traffic controller with resolution advisory and monitoring of flight trajectory.

The project also addresses new ways of working together. Air traffic controllers traditionally work in pairs and in specific airspace. Could we change this to multi-planner setup, sector less airspace and seamless cross-border operations? Our project will ensure the research is developed to a stage where it can be used in operational air traffic management systems in Europe. This ensures that anyone can fly safer, cheaper and quicker in Europe in 10 years.

Another really important issue is the integration of “Remotely Piloted Aircraft Systems” – drones. Drones are new to European Air Traffic Management, and it is urgent to address concepts and technological developments needed to handle this kind of traffic safely.

The companies involved in this project are the only ones that can deliver this kind of result. Not on their own – but as the unique cooperation between air navigation service providers and air and ground industry. The capabilities to provide sustainable results usable throughout Europe by fast-time, real-time simulations and live trials ensures that developed prototypes are working in the context of future traffic and ATM systems.

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:

Dfs Deutsche Flugsicherung GmbH

Address:

Am DFS-Campus 10
63225 LANGEN
Germany

Organisation Website:

<http://www.dfs.de>

EU Contribution: €923,491

Partner Organisations:**Airbus****Address:**

2 ROND POINT EMILE DEWOITINE
31700 BLAGNAC
France

Organisation Website:

<http://www.airbus.com>

EU Contribution: €704,780

Austro Control Osterreichische Gesellschaft Fur Zivilluftfahrt Mbh**Address:**

WAGRAMER STRASSE 19
1220 WIEN
Austria

EU Contribution: €80,960

Polska Agencja Zeglugi Powietrznej**Address:**

Ul. Wieszowa 8
02N/A147 Warszawa
Poland

EU Contribution: €222,544

Saab Ab**Address:**

Broederna Ugglas Gata
58188 LINKOEPING
Sweden

Organisation Website:

<http://www.saab.com>

EU Contribution: €59,293

Hungarocontrol Hungarian Air Navigation Service**Address:**

Iglo U. 33-35
BUDAPEST
1185
Hungary

EU Contribution: €53,472

Rizeni Letoveho Provozu Ceske Republiky Statni Podnik**Address:**

Navigacni 787
25261 Jenec
Czech Republic

EU Contribution: €614,572

Stichting Centrum Voor De Ontwikkeling Van Transport En Logistiek In Europa**Address:**

Van Nelleweg 1
3044 BC Rotterdam
Netherlands

Organisation Website:

<http://www.cetle.org>

EU Contribution: €0

Stiftelsen Sintef**Address:**

Strindveien
7034 Trondheim
Norway

Organisation Website:

<http://www.sintef.no>

EU Contribution: €0

Skyguide - Swiss Air Navigation Services Ltd**Address:**

Route de pré-bois 15-17
CH-1215 Geneva
Switzerland

Organisation Website:

<http://www.skyguide.ch>

EU Contribution: €675,428

Direction De La Navigation Aérienne**Address:**

50, rue Henry Farman
75720 PARIS
France

Organisation Website:

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

EU Contribution: €624,476

Enav**Address:**

VIA SALARIA, 16
138 ROME
Italy

Organisation Website:

<http://www.enav.it>

EU Contribution: €830,912

Entidad Pública Empresarial Aeropuertos Españoles Y Navegación Aérea**Address:**

Arturo Soria 109
28043 Madrid
Spain

Organisation Website:

<http://www.aena.es>

EU Contribution: €876,052

Valstybes Imone Oro Navigacija**Address:**

RODUNIOS KEL 2
02188 VILNIAUS
Lithuania

EU Contribution: €0

Eurocontrol - European Organisation For The Safety Of Air Navigation**Address:**

Rue De La Fusée 96
1130 Bruxelles
Belgium

EU Contribution: €0

Atos Belgium**Address:**

DA VINCILAN 5
1930 ZAVENTEM
Belgium

EU Contribution: €0

Croatia Control, Croatian Air Navigation Services Ltd**Address:**

RUDOLFA FIZIRA 2
10410 VELIKA GORICA
Croatia

EU Contribution: €78,187

Deutsches Zentrum Fr Luft Und Raumfahrt E.v**Address:**

Linder Hoehe
51147 KOELN
Germany

Organisation Website:

<http://www.dlr.de>

EU Contribution: €383,788

Frequentis Ag**Address:**

Innovationsstrasse 1
1100 WIEN
Austria

Organisation Website:

<http://www.frequentis.com>

EU Contribution: €79,217

Indra**Address:**

Avenida de Bruselas, 35
Alcobendas Madrid
Spain

Organisation Website:

<http://www.indra.es>

EU Contribution: €2,690,616

Thales Las France Sas**Address:**

Avenue Charles Lindbergh 3
94150 Rungis
France

EU Contribution: €3,525,170

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

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

Organisation Website:

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

EU Contribution: €1,030,130

Dassault Aviation**Address:**

9, Rond-Point des Champs-Élysées - Marcel Dassault
75008 PARIS
France

Organisation Website:

<http://www.dassault-aviation.com>

EU Contribution: €63,923

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

IVANSKA CESTA 93

823 07 BRATISLAVA
Slovakia

EU Contribution: €0

Udaras Eitliochta Na Heireann The Irish Aviation Authority

Address:

D'OLIER STREET 11-12 THE TIMES BUILDING
D02 T449
DUBLIN
Ireland

EU Contribution: €123,396

Leonardo - Societa Per Azioni

Address:

Piazza Monte Grappa 4
195 Roma
Italy

EU Contribution: €1,657,046

Naviair

Address:

NAVIAIR ALLE 1
2770 KASTRUP
Denmark

EU Contribution: €374,237

Luftfartsverket

Address:

HOSPITALSGATAN 30
602 27 NORRKOPING
Sweden

Organisation Website:

<http://www.lfv.se>

EU Contribution: €408,521

Airtel Atn Limited

Address:

The Forum, Glashule Road 29
N/A
Glashule
Ireland

Organisation Website:

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

EU Contribution: €0

Technologies:

Aircraft operations and safety
Air Traffic Flow and Capacity Management (ATFCM) decision support tool

Development phase: Research/Invention

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other