

PROJECT

OPTICS2

Observation Platform for Technological and Institutional Consolidation of research in Safety and Security

Funding: European (Horizon 2020)

Duration: Oct 2017 - Sep 2021

Status: Complete

Total project cost: €1,493,598

EU contribution: €1,493,598



[CORDIS RCN : 212379](#)

Objectives:

OPTICS2 aims at providing a comprehensive evaluation of relevant Safety and Security R&I in aviation and air transport.

The main objective of the project is assessing if Europe is performing the right safety and security research and if the research is delivering the expected benefits to society.

OPTICS2 will be the continuation of the work started in OPTICS. The successful methodology for assessing EU Research developed in OPTICS will be further refined in OPTICS2 – based on the lessons learnt over the past four years – and extended to the security research. The purpose is to offer to ACARE and to other key aviation stakeholders a wider perspective on the recent and on-going research in Europe and to show where the main gaps and bottlenecks are towards the achievement of FlightPath 2050 Safety and Security goals.

The overall OPTICS2 concept is to work like a magnifying lens, seeing all the way from the Safety and Security Goals of FlightPath 2050 through the clusters of R&I activities necessary to realise these goals, down to the research projects. The bottom-up approach, based on the identification, selection and assessment of R&I projects, focuses on how these projects and programmes cover the ACARE Strategic Research and Innovation Agenda (SRIA) Capabilities – and hence the Enablers, clusters and FlightPath 2050 goals. This approach allows the identification of research strengths and gaps, as well as bottlenecks or constraints affecting research progress.

But there is always the chance that the SRIA is missing a relevant research avenue. The bottom-up assessment is therefore complemented by workshops with aviation experts and stakeholders intended to identify the research priorities and the impact on stakeholders' activities. The results from bottom-up and top-down processes are reviewed and compiled to provide strategic recommendations to the EC and/or ACARE via an annual 'State-of-the-Art' report, including suggested corrective actions and priorities.

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:

Deep Blue Srl

Address:

Via Ennio Quirino Visconti 8
193 Roma
Italy

EU Contribution: €224,063

Partner Organisations:

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: €178,115

Eurocontrol - European Organisation For The Safety Of Air Navigation

Address:

Rue De La Fusée 96
1130 Bruxelles
Belgium

EU Contribution: €220,000

Office National D' Etudes Et De Recherches Aérospatiales

Address:

29, avenue de la Division Leclerc
BP72 CHÂTILLON CEDEX
France

Organisation Website:

<http://www.onera.fr>

EU Contribution: €99,050

Bae Systems (Operations) Limited

Address:

Warwick House, Farnborough Aerospace Centre
FARNBOROUGH, HAMPSHIRE
GU14 6YU
United Kingdom

Organisation Website:

<http://www.baesystems.com>

EU Contribution: €141,313

Deutsches Zentrum Fr Luft Und Raumfahrt E.v

Address:

Linder Hoehe
51147 KOELN
Germany

Organisation Website:

<http://www.dlr.de>

EU Contribution: €119,708

Fundacion Instituto De Investigacion Innaxis**Address:**

Calle Marques De Lozoya 23 5A
28007 Madrid
Spain

EU Contribution: €103,000

European Aviation Safety Agency**Address:**

Ottoplatz 1
50679 Koeln
Germany

EU Contribution: €140,313

Centro Italiano Ricerche Aerospaziali Scpa**Address:**

Via Maiorise s/n
81043 CAPUA (CE)
Italy

Organisation Website:

<http://www.cira.it>

EU Contribution: €175,350

Consorzio Interuniversitario Nazionale Per L'informatica**Address:**

VIA ARIOSTO 25
00185 ROMA
Italy

Organisation Website:

<http://www.consorzio-cini.it>

EU Contribution: €92,688

Technologies:

Unclassified
Non-technology

Development phase: Research/Invention

STRIA Roadmaps: Other specified

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Other