

PROJECT

ITACA

Incentivising Technology Adoption for Accelerating Change in ATM

Funding: European (Horizon 2020)

Duration: May 2020 - Oct 2022

Status: Ongoing

Total project cost: €999,938

EU contribution: €999,938



Call for proposal: H2020-SESAR-2019-2

[CORDIS RCN : 228471](#)

Objectives:

The goal of ITACA is to accelerate the development, adoption and deployment of new technologies in ATM. In order to contribute to achieving this general objective, ITACA will develop a new set of methodologies and tools enabling the rigorous and comprehensive assessment of policies and regulations aimed at amplifying the uptake of new technologies within ATM.

The specific objectives of the project are:

1. Identify the main drivers and barriers for technological change in ATM and devise a set of policy measures and regulatory changes with the potential to lower such barriers and incentivise faster technology upgrade.
2. Develop an agent-based model of the R&I lifecycle allowing the representation of the complex decisions and interactions between ATM stakeholders and their impact on the development and implementation of new technologies.
3. Validate the behavioural assumptions of the agent-based model through a set of participatory simulation experiments involving the direct participation of ATM stakeholders.
4. Demonstrate and evaluate the potential of the newly developed methods and tools through a set of policy assessment exercises that will analyse the impact of a variety of policies and regulatory changes aimed at accelerating technology change in ATM, with particular focus on the distributional effects of the proposed policies across ATM stakeholders and society at large.
5. Consolidate the methods, tools and lessons learnt delivered by the project into a coherent policy assessment framework and a set of policy recommendations, and provide guidelines for the future maintenance, evolution and use of the proposed framework.

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)

Other programmes: SESAR-ER4-07-2019 Accelerating Change in ATM

Lead Organisation:

Nommon Solutions And Technologies SI

Address:

CALLE CLAUDIO COELLO 124 - PLANTA 4A TRASERA
28006 MADRID
Spain

EU Contribution: €321,250

Partner Organisations:

Transport & Mobility Leuven

Address:

Tervuursevest 54 bus 4
3010 LEUVEN
Belgium

Organisation Website:

<http://www.tmleuven.be>

EU Contribution: €240,250

Centro De Referencia Investigacion Desarrollo E Innovacion Atm, A.i.e.

Address:

Avda De Aragon 402 4 Edificio Allende
N/A Madrid
Spain

EU Contribution: €133,438

Kungliga Tekniska Hoegskolan

Address:

Brinellvagen 8
100 44 Stockholm
Sweden

EU Contribution: €305,000

Technologies:

Aircraft operations and safety
Big data analytics for management of ATM
systems

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Digitalisation

Geo-spatial type: Other