

## Expected Impact

OSCAR is expected to pave the way towards Open Science in European aviation research by detailed analysis of the landscape and by developing, validating, and promoting a suitable Open Science concept. Furthermore, the OSCAR project is expected to:

- Set up a community of transport research organisations willing to work on the basis of an agreed Open Science Code of Conduct.
- Create a solid knowledge base on the implementation of Open Science approaches in transport research, and in particular on current constraints and bottlenecks in this field.
- Lead to improved efficiency, quality and integrity and, when relevant, interdisciplinarity of transport research, speed up the path from research to innovation and promote citizens' engagement in the scientific process.



## The Team

 **Fraunhofer**  
IFAM



**ONERA**  
THE FRENCH AEROSPACE LAB



**SAFRAN**



 **Fraunhofer**  
IRB

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Open Science  
Aeronautic & Air Transport  
Research

“ ...pave the way towards Open Science... ”



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# About OSCAR

OSCAR addresses the current perception, acceptance, and implementation of Open Science in the field of European Aeronautics and Air Transport (AAT) research and in those fields where European AAT research issues interact with e.g. other transport modes and technology exchange. The main goal of the OSCAR project is to initiate and deliver an optimized Open Science concept to European transport with special focus on AAT research with triggering an implementation in aeronautics and air transport where:

- The concept of Open Science is widely known in European aviation sector.
- The message of an achieved balance between Open Science and Intellectual Property Rights (IPR) protection, which maximises beneficial, transparent, and fair openness while maintaining IPR and related competitiveness has been convincingly spread by means of a Code of Conduct.
- Project consortia concerned are well guided to efficiently apply the Open Science Code of Conduct customized to the characteristics of the individual project and to the individual researchers even in their daily work.
- A paradigm shift towards implementation of Open Science in European aviation research has been initiated.

# Work Plan

Achieving the ambitious goal of OSCAR requires:

1. Detailed understanding of knowledge and acceptance of Open Science in AAT research
2. Development of adapted implementation approaches

3. Their validation and
4. Motivation to implement Open Science within the AAT research community.

## Objectives

01

### ASSESSMENT (WP2, WP3)

Assessment of the development of Open Science in European AAT projects since the beginning of FP7, so as to gather comprehensive first-hand experience about awareness of Open Science as such, perceived benefits and drawbacks of the idea and potentially concrete examples.

### GUIDANCE (WP4)

A practically usable guidance for participants in AAT projects will be developed, considering both legal frameworks and the need for an Open Science Code of Conduct.

02

### INTERIM RESULTS (WP5)

Interim results will be tested and iteratively matured. Recommendations targeting legal aspects and the related Open Science Code of Conduct will be validated.

03

### OSCAR CODE OF CONDUCT (WP6)

High quality outcomes will contribute to a significantly increased implementation of Open Science in European AAT research. Different complementary measures are foreseen to maximise the intended acceptance of and support for Open Science in AAT research.

04

