



The OPTICS2 Project and Workshop objectives

Simone Pozzi (Deep Blue)

EASA, Cologne (12/10/2018)



**European
Commission**

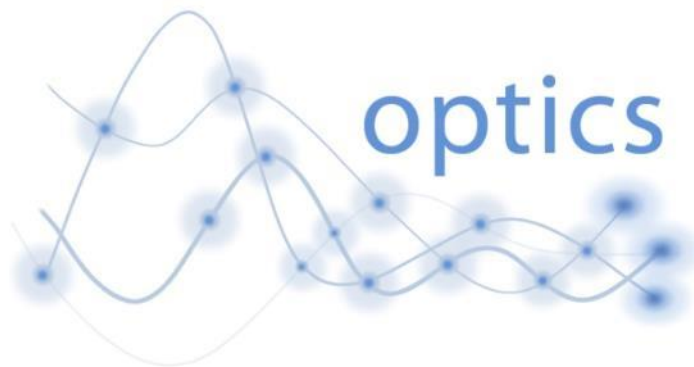
OPTICS2 is a Coordinated Action funded by the European Commission under the Horizon 2020 Programme. Grant Agreement n° 770138



OPTICS & OPTICS2

2013-2017
SAFETY

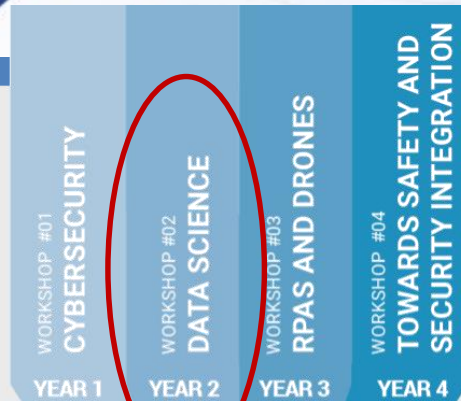
2017-2021
SAFETY & SECURITY



OPTICS2 CONSORTIUM

“Is Europe performing the right Safety and Security Research?”

- 
- » Review of the state-of-the-art of safety and security aviation research
 - » Assessing current progress against the goals set out by Flightpath 2050 and ACARE Strategic Research Agenda
 - » Identify gaps and bottlenecks
 - » Provide recommendations to the European Commission
 - » Interact with ACARE to update/refine the Research Agenda



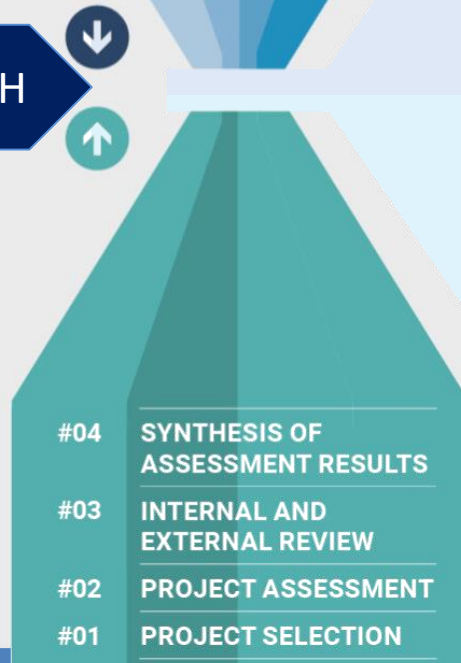
Are we doing the right **SAFETY**
and **SECURITY RESEARCH**?

GOAL

TOP-DOWN APPROACH...

... **Expert** contributing
through **workshops** and **consultations**

APPROACH



... How do projects contribute to aviation
research roadmap?

The OPTICS2 Team searching
and assessing Research Projects

BOTTOM-UP APPROACH

Data Science for Aviation Safety

Moving beyond the hype, towards what industry needs

12 October 2018

EASA, Cologne | Germany

GOAL:

To identify the **most promising Data Science research avenues** for triggering effective **collaboration** between **industry** and **research**.



9:20

The Industry's viewpoint: what are the upcoming changes to aviation markets, and how will these change safety?

Two top experts from each industrial segment

Challenges and needs: The industry's viewpoint

8 presentations: ATM, Airborne, Airport, Regulator, European Passengers' Federation

10:40

Workshop sessions (groups):

How can data science help address these safety challenges?

(Ideas for) possible Data Science solutions: The Research Community in action

3 groups (ATM, Airborne, Airport), 9 'solutions'

12:15

Expert panel session (plenary):

What are the 3 research avenues with the highest potential for triggering effective collaboration between research and industry?

Judging panel

3 most promising research avenues



Thanks for your attention!
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