



2nd OPTICS2 Workshop

Data Science for Aviation Safety

Moving beyond the hype,
towards what industry needs

Joint event with
**Data Science
in Aviation 2018
Workshop**
11 October 2018

The aviation industry is well-known for its hard-earned, well-defended safety system. However, increasing traffic together with a constantly evolving model of operation exposes the system to new threats and risks. The transition from an incident-driven safety learning approach towards a data-driven one seems to be the most promising way forward. But how do we make the data available and ensure the insights reach those who can best act on them? And how do we increase safety intelligence, data sharing and learning between different aviation segments?

This workshop brings together top experts and leading-edge researchers from all aviation segments, to share best practices, discuss how to overcome existing gaps, and identify 3 research avenues with the highest potential for triggering effective collaboration between research and industry.

12 October 2018

EASA, Cologne | Germany



2nd OPTICS2 Workshop

Draft Agenda

12 October 2018

This is a joint event with the **Data Science in Aviation 2018 Workshop** (11 October 2018, EASA Cologne), co-sponsored by OPTICS2. On the 11th of October, OPTICS2 will present the State-of-the-Art of European R&I on data science for aviation safety and offer a cocktail session at the end of the day. The **OPTICS2 Workshop** will take place on the **12th of October**, offering exclusive speeches and group activities aimed at identifying the 3 research avenues with the highest potential for triggering effective collaboration between research and industry.

8:30	Arrival at EASA & Welcome coffee
9:00	Opening by the European Commission Pablo Pérez-Illana, <i>EC-DG-RTD</i>
9:10	The OPTICS2 Project and Workshop objectives Simone Pozzi, <i>Deep Blue – Project Coordinator</i>
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.
9:20-9:35	 Air Traffic Management Keith Cartmale, <i>EUROCONTROL-MUAC</i> & Claire Le Cras, <i>NATS</i>
9:35-9:50	 Airline Manfred Mueller, <i>LUFTHANSA</i> & Jacob de Jong, <i>KLM</i>
9:50-10:05	 Airport Christoph Schneider, <i>Munich Airport</i> & Joram Verstraeten, <i>Schiphol Airport</i>
10:05-10:15	 Regulator Francisco Arenas Alvarino, <i>EASA</i>
10:15	The Passenger's viewpoint What do they expect from Data Science for Safety? Willy Smeulders, <i>European Passengers' Federation</i>
10:20	Coffee Break
10:40	Workshop sessions (groups): How can data science help address these safety challenges? Scientific Advisors: Andrew Cook, <i>Westminster University</i> , Paula Lopez, <i>Innaxis</i> , Samuel Cristóbal, <i>Innaxis</i>
12:15	Expert panel session (plenary): What are the 3 research avenues with the highest potential for triggering effective collaboration between research and industry?
13:20	Wrap-up of the workshop
13:30	End of the Day