

COORDINATION OF INSTITUTIONALLY FUNDED SAFETY RESEARCH

The focus of P1 is to increase awareness of content, results and ambitions of EREA safety research activities, to coordinate institutionally funded safety research, structure it around the European safety research priorities and to create cooperative research projects within EREA. This goal is achieved by producing annual Aviation Safety Research Plans (ASRPs) for the participating institutions. These **ASRPs** coordination of institutionally funded safety research by identifying new research topics and missing links. Thereby, future duplication of effort and resources are identified and avoided and current initiatives are put on a common and more robust path.

Results:

- Coordination Workshops (nearly 100 scientists & 6 representatives from the European Commission participated)
- Communication Platform for EREA partners (with currently more than 180 publications)
- Personnel Exchanges
- Annual Aviation Safety Research Plans
 - Annual assessment of safety research projects in EREA establishments
 - Review of European Safety Roadmaps
 - EREA Program Manager Survey
- Quantitative evaluation of P1 achievements and leverage effect
- Generic Collaboration Agreement
- Cooperation activities include:
 - Rotorcraft landing on ships (CIRA, DLR, NLR & ONERA)
 - Human Performance Envelope in the ATC context (CSEM & DLR)
 - RPAS safety roadmap (CEIIA, CIRA, DLR, INTA, NLR & ONERA)



• DLR-ONERA:

2015 and

ongoing

+OTAS • **DLR-ONERA**: ADAWI

• **DLR-NLR**: multiple works

DLR-ONERA:
 Modelling of operator's
 behaviour

2016

• DLR, NLR, ONERA, CIRA: Aircraft Wake Turbulence

• DLR-CSEM:
Human
Performance
Envelope in the
ATC Context

 CEIIA, CIRA, DLR, ILOT, NLR, ONERA
 & VZLU: Safety embedded in aircraft design

2017

CEIIA, CIRA, DLR,
 NLR & ONERA:

Helicopter safety
• CIRA, CSEM, DLR,
INCAS, INTA,
ONERA & VZLU:
Icing

• CIRA, DLR, INTA, NLR & ONERA: Remotely Piloted Aircraft Systems (RPAS) safety (excl. ATM) • CIRA, DLR, INCAS

2018

Volcanic ash
• CEIIA, CIRA, DLR,
INTA, NLR &
ONERA: Remotely
Piloted Aircraft

& ONERA:

Systems (RPAS)
safety (excl. ATM)
• CEIIA, CIRA,
CSEM, DLR,
INCAS, NLR,

ONERA & VZLU:

Health monitoring

 Small autonomous electric AC

2019

Advanced flight
envelope
protection
aft
Human
Performance

(excl. ATM) envelope

CIRA, • Mitigating the risk of fire, smoke and fumes

 Remotely Piloted Aircraft Systems (RPAS) safety (excl. ATM)



Palaiseau 2nd Future Sky Safety Workshop; 01 – 02 February 2017

Trend analysis for main categories of safety activities (EREA survey)





















