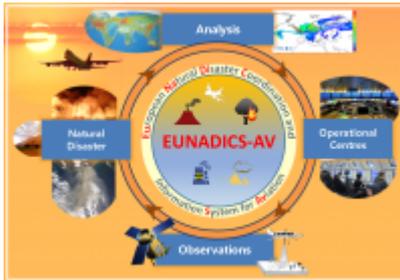


EUNADICS-AV

European Natural Airborne Disaster Information and Coordination System for Aviation 723986



Programme:

H2020 Transport

Topic:

MG-3.1-2016

Call for proposals:

H2020-MG-2016-SingleStage-INEA

Duration:

01/10/2016 to 30/09/2019

Funding scheme:

RIA

Total cost:

€7,509,319

EU contribution:

€7,441,814

Coordinator:

ZENTRALANSTALT FUR METEOROLOGIE
UNDGEODYNAMIK

Project website:

<http://www.eunadics.eu>

Project description on CORDIS:

<http://cordis.europa.eu/project/reference/723986>

Aviation is one of the most critical infrastructures of the 21st century. Even comparably short interruptions, for instance, due to natural hazards, can cause damage worth billions.

The EUNADICS-AV project addresses airborne hazards with an extremely high impact (environmental emergency scenarios), including volcano eruptions, nuclear accidents and other scenarios where aerosols and certain trace gases are injected into the atmosphere.

Before the 1990s, insufficient monitoring as well as limited data analysis capabilities made it difficult to react to and to prepare for this type of rare, high-impact events. Nowadays there are many data available during crisis situations, and the data analysis technology has improved significantly. However, there is still a major gap in the Europe-wide availability of real time hazard measurement and monitoring information for airborne hazards describing “what, where, how much” in three dimensions, combined with a near-real-time European data analysis and assimilation system.

The main objective of EUNADICS-AV is to close this gap and allow all stakeholders in the aviation system obtain fast, coherent and consistent information. This would allow a seamless response on a European scale, including ATM, ATC, airline flight dispatching and individual flight planning

Participants:	Country:	EU contribution (in €):
ZAMG	AT	€1,042,693.75
CNR	IT	€556,250.00
DLR	DE	€629,913.75
BIRA-IASB	BE	€495,312.50
BRI	AT	€413,750.00
PLUS	AT	€393,500.00
INGV	IT	€168,750.00
ECMWF	UK	€327,500.00
UPC	ES	€82,578.75
STUK	FI	€45,000.00
ULB	BE	€134,500.00
AUSTRO CONTROL	AT	€165,727.50
BMLVS	AT	€132,845.00
flightkeys	AT	€163,750.00
FMI	FI	€920,080.00
IMO	IS	€143,750.00
KNMI	NL	€979,575.00
MF	FR	€305,087.50
SMHI	SE	€262,000.00
RMI	BE	€79,250.00
MeteoSwiss	CH	-