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oduction

system may base their decisions on different data and information. milation system. This gap creates circumstances where various stakeholders in ensions, combined with a near-real-time European data analysis and mation for airborne hazards describing "what, where, how much" in spe-wide availability of real time hazard measurement and monitoring t crews and passengers. Currently, however, there is a significant gap in the eholders have one common goal, namely to warrant and maintain the safety of ed responsibility of EUROCONTROL, national authorities, airlines and pilots. All ards. Safe flight operations, air traffic management and air traffic control is a e. As evident from the past, aviation shows vulnerability with regard to natural t interruptions can cause economic damages summing up to the Billion-Euro imercial aviation is one of the key infrastructures of our modern world. Ever



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and to integrate them into state-of-the art data assimilation and analysis systems harmonize data from satellite earth observation, ground based and airborne platforms, obtain fast, coherent and consistent information. The project intends to combine and data and information availability, enabling all stakeholders in the aviation system to Besides operational data sources, data from the research community are integrated Information System for Aviation"), started in October 2016, intends to close this gap in The H-2020 project EUNADICS-AV ("European Natural Disaster Coordination and

from volcanic eruptions, sandstorms, forest fires or nuclear accidents/incidents. The aim of EUNADICS-AV is the development and deployment of a data platform that in real test cases in order to provide optimal solutions. EUNADICS-AV will test the developed system in computer based scenarios as well as outputs, which consequently will lead to a better crisis management. In addition decisions on harmonized data, consistent model analysis and data assimilation airborne hazard. By this means, all relevant stakeholders are able to base their provides all necessary information to decision makers in real time in case of an In detail EUNADICS-AV focuses on atmospheric hazardous contaminants resulting

exploitation and dissemination

Data flows and interfaces

maintaining the safety of millions of passengers and efficiently, minimizing system downtimes and thus economic damage while measurements will greatly enhance our capability to respond to disasters effectively The availability of consistent and coherent data analysis fields based on all available

Project Website: http://www.eunadics.eu

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WP 6 Aviation product development WP 4 Data integration and assimilation WP 7 System Testing and Exercise and integration WP 5 Early Warning systems WP 3 Observation infrastructure risk assessments, international cooperation. WP 2 Stakeholder requirements, WP 1 Management & Coordination Project structure WP 8 Data and product delivery

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