EUNADICS-AV Final Meeting – DAY 1

On September 10th the EUNADICS-AV project meets **internally (+Advisory Board)** in order to present and review the activities and achievements towards the objectives of the project.

Tuesday 10th September 2019, Toulouse (Centre International de Conférences - Météo-France - Toulouse – France)

08:30-09:00	*Registration*
09:00-09:05	*Welcome by project coordination*
09:05-09:30	*Presentation and discussion WP1*
09:30-10:00	*Presentation and discussion WP2*
10:00-10:30	*Coffee break*
10:30-11:00	*Presentation and discussion WP7*
11:30-12:00	*Presentation and discussion WP3*
12:00-13:00	*Lunch break*
13:00-13:30	*Presentation and discussion WP4*
13:30-14:00	*Presentation and discussion WP5*
14:00-14:30	*Coffee break*
14:30-15:00	*Presentation and discussion WP6*
15:00-15:30	*Presentation and discussion WP8*
15:30-16:30	*Conclusions, Sustainability, Feedback from Advisory board*
Evening	*Icebraker*

Each work package will have max. 20 min presentation and 10 min discussion. The presentations should provide a summary of the most important achievements/lessons learned during the project and give an overview of which products/service require further funding for operation or need funding for further development after the project ends. During this day we also prepare what to present at the final review meeting in Brussels 5th Nov.

EUNADICS-AV Final Meeting – DAY 2

On September 11th the EUNADICS-AV the meeting will be held in conference style with oral- and poster presentations. In the oral sessions **each presentation has a 20 minutes time slot** (15 minute presentation + 5 minute discussion), during the **poster session** in the afternoon, all authors are asked to **prepare 1 slide** to present their posters during a 1 minute slot and then answer questions in front of their posters afterwards (posters should be in **A0 – portrait** format).

<u>Wednesday 11th September 2019, Toulouse (Centre International de Conférences - Météo-France - Toulouse – France)</u>

08:30-09:00   Registration

09:00-09:05   Welcome by MF and project coordination

SESSION 1 (Chair: Nicolas Theys)

*09:10-09:30   Tailoring of satellite data for EUNADICS-AV applications (**Jos De Laat**)*

*09:30-09:50   Volcanic and desert dust alerts for aviation using temporally high-resolved EARLINET profiles (**Nikolaos Papagiannopoulos**)*

*09:50-10:10   Early warning system of airborne hazard providing tailored alert products dedicated to ATM, transport modelling and observatory monitoring (**Hugues Brenot**)*

*10:10-10:30   Satellite remote sensing of volcanic ash with Meteosat: EUNADICS-AV and beyond (**Luca Bugliaro**)*

10:30-11:00   Coffee break

SESSION 2 (Chair: Matthieu Plu)

*11:00-11:20   Combining the physical source models with indirect observations for dust and fire plumes (**Mikhail Sofiev**)*

*11:20-11:40   Assimilation of aerosol LIDAR data (satellite and ground-based) in the ECMWF/CAMS system: an application to volcanic ash prediction (**Julie Letertre-Danczak**)*

*11:40-12:00   Automised evaluation of volcanic source terms (volcanic ash and SO2) from inverse modelling for aviation (**Marie Mulder**)*

*12:00-12:20   The EUNADICS-AV tracer experiment – experimental performance and comparison of data with simulations (**Hans Schlager**)*

12:30-13:30   Lunch break

<u>**SESSION 3 (Chair: Barbara Scherllin-Pirscher)**</u>

*13:30-13:50 The EUNADICS-AV demonstration exercise + Video (**Marcus Hirtl + Suzanne Kok**)*

*13:50-14:10 Assessment of the radiological effects from a "dirty bomb" scenario in urban areas on a meteorological microscale range (**Hartmut Walter**)*

*14:10-14:30 Future airline operations through contaminated airspaces (**Raimund Zopp**)*

*14:30-14:50 Contribution Austrian Air Force and Lessons Learned (**Michael Pernsteiner**)*

*14:50-15:10 Volcanic ash - a surprising and persistent threat to aviation (**Klaus Sievers**)*

<u>**SESSION 4 (Chair: Marcus Hirtl)**</u>

15:10-15:30 Poster presentations (1 minute)

- *KNMI contribution to EUNADICS (**Arnoud Apituley**)*
- *SO2 plume height retrievals from TROPOMI (**Nicolas Theys**)*
- *Simulation of LIDAR-based aerosol measurements and their evaluation (**Barbara Scherllin-Pirscher**)*
- *A first evaluation of multi-model analyses of volcanic ash concentrations (**Matthieu Plu**)*
- *Monitoring volcanic ash with the chemistry-transport model Mocage: improvements of source term and assimilation of observations (**Guillaume Bigeard**)*
- *EUNADICS-AV tracer experiment releases: Modelling and model evaluation (**Christian Maurer**)*
- *The French aerosols lidars' network (**Olivier Traullé**)*
- *Aerosol measurements from the Icelandic mobile observatory (**Michelle Parks**)*
- *Application of volcanic ash concentration forecasts in aviation meteorology (**Roland Winkler**)*
- *Role of INGV's Italian Volcano Observatories in a pan-European early-warning system for aviation safety (**Mauro Coltelli**)*
- *Volcanic ash detection and plume height estimation using Sentinel-3 (**Timo Virtanen**)*
- *Simulating the Ophelia use case with WRF-Chem (**Rocio Baro Esteban**)*
- *Assimilation of the Raikoke volcanic eruption June 2019 (**Lennart Robertson**)*
- *Notifications of Elevated Radiation Levels Based on EURDEP Data (**Tuomas Peltonen**)*
- *EUNADICS-AV: Aviation safety and atmospheric radioactivity (**Jussi Paatero**)*
- *The extensive Belgian network of automatic lidars and ceilometers for cloud and aerosol/ash profiling/detection (**Quentin Laffineur**)*
- *Estimation of doses inside the aircraft cabin and installation of radiological detectors (**Arturo Vargas**)*
- *Volcanic ash detection from space by means of tailored RST_ASH products (**Alfredo Falconieri**)*
- *Intercomparison of ground-based lidar networks and validation of satellite retrievals (**Rolf Rüfenacht / Nikolaos Papagiannopoulos**)*
- *Source terms and observation operators: technology advancement of EUNADICS-AV (**Mikhail Sofiev**)*
- *TBA (**Konradin Weber**)*

15:30-16:30 Poster session and coffee

16:30 End of DAY 2