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## ESA/EUMETSAT Workshop on volcanic ash monitoring from Space – 26/27 May at ESRIN

[http://earth.eo.esa.int/workshops/Volcano/files/STM\\_280\\_web.pdf](http://earth.eo.esa.int/workshops/Volcano/files/STM_280_web.pdf)



3 projects started during 2012:

VAST - <http://vast.nilu.no/> - 3 years duration – 2.2 MEuro – STRIN Programme

SACS2 - <http://sacs.aeronomie.be/> - 18 month duration – 300 KEuro – GSP

SMASH – based on the EU [www.evoss.eu/](http://www.evoss.eu/) project - 18 month duration – 300 KEuro – GSP

- Enhance the usage of EO satellite data for volcanic ash monitoring
- Update existing user requirements
- Provision of improved satellite based volcanic eruption information based on e.g. SEVIRI, AATSR, MODIS, GOME2, IASI, OMI, AIRS measurements
- Improved source information
- Development of an operational demonstration volcanic ash forecasting service (open source code operated at ZAMG) that could be implemented at VAACs or elsewhere
- Define a 'best' future end-to-end volcanic ash monitoring system in Europe

## **Delta Report to the one from 2010 (about 10-20 pages)**

- Eyafjoll eruption today: what would be different as compared to 2010?
- User Requirements: What has changed during the last 3 years (e.g. aviation companies decide on flying in Europe) and what does it mean (e.g. services to be provided to whom)?
- Are we working towards an integrated approach (ground-based, airborne and satellite data usage, modelling)?
- Is there a need for new satellite missions (what is the 'best' future end-to-end volcanic ash monitoring system in Europe)?
- Volcanic ash monitoring: Would this not be a perfect GMES project (EU - Horizon 2020)?