

Title	Code		Year	Status	Links	Remarks
Projects						
RADAR-based ASH monitoring and foreCASTing by integrating of remote sensing techniques and volcanic plume models	RASHCAST	University of Cambridge	2011	Completed	Here	
Ash Ingestion Detection Apparatus for aircraft	AIDA	Greendbank Terotech Ltd	2013	On-going	Here	
Volcanic ash: field, laboratory and numerical investigations of processes during its lifecycle	VERTIGO	Ludwig-Maximilians-Universität München	2014	On-going	Here	
Weather hazards for aeronautics	WEZARD	Airbus Operations SAS	2011	On-going	Here	
Conditions of success for R&T Open options through a Platform of communications and for Expressing Recommendation Actions to Team-up Europe and U.S.	COOPERATUS	Aerospace and Defence Industries Association of Europe	2010	Completed	Here	
Support to Aviation for Volcanic Ash Avoidance	SAVAA	Norwegian Institute for Air Research	2009	Completed	Here	
Documenting ash fallout from the Eyjafjallajökull eruption in Belgium	-	Vrije Universiteit Brussel	2010	On-going	Here	
Volcanic ash plume dispersion by satellite imagery.	-	Laboratoire de Télé-détection aérospatiale Musée Royal d'Afrique Centrale Bruxelles	1994	On-going	Here	
Volcanic ash impact on the Air Transportation System	VolcATS	DLR	2012	On-going	Here	Link to workshop
Airborne Volcanic Ash Detection System	AVOID	Airbus & EasyJet	2013	On-going	Here	
A European volcanological supersite in Iceland: a monitoring system and network	-	Norwegian Institute for Air Research	2012	On-going	here	
Volcanic Ash Strategic-initiative Team	VAST	Norwegian Institute for Air Research	2012	On-going	here	
VOLCANIC ASH: FROM ERUPTION TO FLIGHT CHAOS	-	Ludwig-Maximilians-Universität München	2011	On-going	here	
National Volcanic Ash Operations Plan for Aviation	-	Office of the Federal Coordinator for Meteorology	2007	On-going	here	Plan
Hybrid Single Particle Langrangian Integrated Trajectory Model	HYSPLIT	National Oceanic and Atmospheric Administration	2012	Completed	here	
Satellite Data Improving Volcanic Ash Forecasts for Aviation Safety	-	NASA	2013	Completed	here	
Long-term monitoring experiment in geologically active regions of Europe prone to natural hazards: the Supersite concept	FUTUREVOLC	University of Iceland	2012	On-going	Here	
Volcano Global Risk Identification and Analysis	VOGRIPA	Bristol university	2005	Completed	Here	
Strengthening Resilience in Volcanic Areas	STREVA	Natural Environment Research Council	2013	On-going	Here	
Engine Damage to a NASA DC-8-72 Airplane From a High-Altitude Encounter With a Diffuse Volcanic Ash Cloud	-	NASA	2003	Completed	here	
Experimental and Numerical Study of Particle Ingestion in Aircraft Engine	-	ASME	2013	Completed	here	
Airborne aerosol in-situ observations of volcanic ash layers of the Eyjafjallajökull volcano in April & May, 2010, over central Europe	-	DLR	2010	Completed	here	workshop
Volcanic Ash and Aircraft Engines	-	NLR	2010	Completed	here	
Report of Falcon Flight 19 April 2010	-	DLR	2010	Completed	here	workshop
Characterization of Eyjafjallajökull volcanic ash particles and a protocol for rapid risk assessment	-	University of Iceland	2011	Completed	here	
Ash Safety Research Report	ASH SAFETY	University Politehnica of Bucharest	2010	Completed	here	
Articles						
Observation of volcanic ash from Puyehue-Cordon Caulle with IASI.	-	DLR	2013	Published	here	
Performance assessment of a volcanic ash transport model mini-ensemble used for inverse modeling of the 2010 Eyjafjallajökull eruption	-	DLR	2012	Published	here	
Simulations of the 2010 Eyjafjallajökull volcanic ash dispersal over Europe using COSMO-MUSCAT	-	DLR	2012	Published	here	
The ash dispersion over Europe during the Eyjafjallajökull eruption e Comparison of CMAQ simulations to remote sensing and air-borne in-situ observations	-	DLR	2012	Published	here	
A case study of observations of volcanic ash from the Eyjafjallajökull eruption: 1. In situ airborne observations	-	DLR	2012	Published	here	
Operational prediction of ash concentrations in the distal volcanic cloud from the 2010 Eyjafjallajökull eruption	-	DLR	2012	Published	here	
On the visibility of airborne volcanic ash and mineral dust from the pilot's perspective in flight	-	DLR	2012	Published	here	
Airborne observations of the Eyjafjalla volcano ash cloud over Europe during air space closure in April and May 2010	-	DLR	2011	Published	here	
Determination of time- and height-resolved volcanic ash emissions and their use for quantitative ash dispersion modeling: the 2010 Eyjafjallajökull eruption	-	DLR	2011	Published	Here	
Airborne stratospheric ITCIMS measurements of SO2, HCl, and HNO3 in the aged plume of volcano Kasatochi	-	DLR	2010	Published	Here	
Probabilistic detection of volcanic ash	-	Bristol university	2014	Published	here	
How assumed composition affects the interpretation of satellite observations of volcanic ash	-	Bristol university	2014	Published	here	
Interaction between volcanic plumes and wind during the 2010 Eyjafjallajökull eruption, Iceland	-	Bristol university	2013	Published	here	
Volcanic Ash versus Mineral Dust: Atmospheric Processing and Environmental and Climate Impacts	-	ISRN Atmospheric Sciences	2013	Published	here	
Volcanic Ash Research Shows How Plumes End up in the Jet Stream	-	University of Buffalo	2010	Published	here	
Volcanic Ash: More Than Just A Science Project	-	On the Cutting Edge - Faculty	2012	Published	here	
Ausbruch des Eyjafjallajökull: Vulkanasche war gefährlich für Flugzeuge	-	Spiegel	2011	Published	here	
Dokuments / Books						
Volcanic Ash and Aviation Safety	-	U.S. Department of the Interior	1991	Published	here	
Review of the impacts of volcanic ash fall on urban environments	-	UCL Discovery	2010	Published	here	

Airborne Volcanic Ash—A Global Threat to Aviation	-	U.S. GEOLOGICAL SURVEY	2010	Published	Here
Volcanic Ash—Danger to Aircraft in the North Pacific	-	U.S. GEOLOGICAL SURVEY	1997	Published	Here
Encounters of Aircraft with Volcanic Ash Clouds: A Compilation of Known Incidents, 1953–2009	-	U.S. GEOLOGICAL SURVEY	2010	Published	Here
Volcanic hazards to airports	-	U.S. GEOLOGICAL SURVEY	2008	Published	here
REDUCING THE THREAT TO AVIATION FROM AIRBORNE VOLCANIC ASH	-	U.S. GEOLOGICAL SURVEY	2002	Published	here
Flight Safety and Volcanic Ash	Doc 9974	ICAO	2012	Published	here
International Airways Volcano Watch	Doc 9766	ICAO	2004	Published	Here
Volcanic Ash Contingency plan	EUR Doc 019	ICAO	2010	Published	here
Volcanic Hazards and Aviation Safety: Lessons of the Past Decade	-	U.S. GEOLOGICAL SURVEY	1993	Published	here
Volcanic Ash and Aviation Safety: Proceedings of the First International Symposium on Volcanic Ash and Aviation Safety	-	U.S. GEOLOGICAL SURVEY	1991	Published	here
The 1991 Pinatubo Eruptions and Their Effects on Aircraft Operations	-	U.S. GEOLOGICAL SURVEY	1999	Published	here
Search links					
Here	IVHHN	International Volcanic Health Hazard Network			
Here	IAVCEI	International Association of Volcanology and Chemistry of the Earth's Interior			
Here	-	University of Buffalo			
Here	-	MET Office			
Here	-	Monitoring atmospheric composition & climate			