



## **2nd European VOs-VAACs Workshop**

**8-10 November 2021 (on-line)**

### **FINAL AGENDA**

The eruptions of Eyjafjallajökull in 2010, Cordon Caulle in 2011, Kelud in 2014, and Etna in 2021 revealed the need for reinforcing the dialogue between Volcano Observatories (VOs) and Volcanic Ash Advisory Centers (VAACs) for a more effective operational response during volcanic crises. Acknowledging that successful emergency response relies on community build-up and coordination, several initiatives have taken place in recent years to clarify roles and responsibilities, facilitate the sharing of data and information, design best practices and benefit from reciprocal exchanges and lessons learned. This is an ongoing process and VOs, VAACs, Volcano Research Infrastructures (VRIs) and aviation end-users worldwide need to continue to build trustful relationships to consolidate and optimize ways of working together. Consequently, we would like to invite you to the 2<sup>nd</sup> European VO-VAAC Workshop that will be organized as a virtual event on Zoom platform on November 8-10, 2021.

The event is co-sponsored by the European projects EUROVOLC (<https://eurovolc.eu/>) and EPOS-SP (<https://www.epos-eu.org/epos-sp-project>).

The link to the meeting:

Join Zoom Meeting

<https://zoom.us/j/95214966211?pwd=dVBnb09icFBRC211L3d5N0ZyK1Uydz09>

Meeting ID: 952 1496 6211

Passcode: 041025

## Main Objectives of the workshop

1. Review the operational procedures and strengthen the collaboration between VOs and VAACs in Europe; identify where and how advances have been achieved; discuss the new expected version of the VONA (Volcano Observatory Notification for the Aviation);
2. Demonstrate new research findings concerning the estimation of the eruption source parameters (like plume height estimates, ash cloud detection and retrieval, impact of volcanic shock-waves on aircraft); identify gaps and limitations in moving these estimation techniques into operational processes; show the latest efforts in database collection needed for a long-term hazard evaluation;
3. Review and update good practices for responding to volcanic eruptions; produce a consensual document that describes the state of art, current limitations and future advancements; produce a roadmap for future changes and improvements.

## Organizing Committee

Sara Barsotti, Icelandic Meteorological Office (EPOS-SP, EUROVOLC)

Simona Scollo, Istituto Nazionale Geofisica e Vulcanologia (EPOS-SP, EUROVOLC)

Lucia Gurioli, Université Clermont Auvergne - OPGC (EUROVOLC)

Franck Donnadieu, Université Clermont Auvergne - OPGC (EUROVOLC)

Claire Witham, UK Met Office (EUROVOLC)

## Further information

Go to the website of the EUROVOLC project: <https://eurovolc.eu/>

Go to the website of the EPOS-SP project: <https://www.epos-eu.org/epos-sp-project>

Go to the website of the previous VO-VAAC workshop: [https://eurovolc.eu/?page\\_id=818](https://eurovolc.eu/?page_id=818)

## Final agenda

### 8.11.2021 - DAY1: *Procedures at VAACs and International roadmaps*

Chairing: Sara Barsotti

Time slot (UTC)	Title	Presenter
13:00-13:10	Welcome and introduction	<i>Sara Barsotti (IMO)</i>
13:10-13:30	Roadmap: accomplished results from the 1st VO-VAAC workshop	<i>Claire Witham (with contributions from EU VOs) (Uk Met Office)</i>
13:30-13:50	Procedures and plans at Toulouse VAAC	<i>Philippe Hereil (Toulouse VAAC)</i>
13:50-14:10	Procedures and plans at London VAAC	<i>Anton Muscat (London VAAC)</i>
14:10-14:30	Procedures and plans at Montreal VAAC	<i>Dov Bensimon (Montreal VAAC)</i>
14:30-14:45	break	
14:45-15:05	Procedures and plans at Washington VAAC	<i>Jamie Kibler (Washington VAAC)</i>
15:05-15:20	IAVCEI roadmap: towards a new WOVO	<i>Patrick Allard (IPGP-IAVCEI)</i>
15:20-15:35	ICAO roadmap	<i>Jonathan Dutton (Uk Met Office/MOG WG)</i>
15:55-17:00	<b>Discussion</b>	

## 9.11.2021 - DAY2: *Research and implementation into operations*

Chairing: Franck Donnadieu

Time slot (UTC)	Title	Presenter
13:00-13:20	Volcanic hazards to aviation: ash	<i>Rory Clarkson (Rolls Royce)</i>
13:20-13:40	Volcanic hazards to aviation: SO <sub>2</sub>	<i>Nina Kristiansen (Uk Met Office)</i>
13:40-14:00	Volcanic hazards to aviation: shock-waves	<i>Matteo Cerminara (INGV)</i>
14:00-14:20	Networking activity in Europe: Earlinet, Actris	<i>Lucia Mona (CNR)</i>
14:20-14:35	break	
14:35-14:55	Operational plume height estimates	<i>Talfan Barnie (IMO)/ Simona Scollo (INGV)</i>
14:55-15:15	Operational Mass Eruption Rate (MER) estimates	<i>Frank Marzano (Ground-based) (Uni Roma)/ Mathieu Gouhier (Satellite) (OPGC)</i>
15:15-17:00	Discussion	

## 10.11.2021 - DAY3: Volcanic databases and procedures at VOs

Chairing: Claire Witham

Time slot (UTC)	Title	Presenter
13:00-13:20	Eruption Source Parameter Resource	<i>Samantha Engwell (BGS)/Thomas Aubry (University of Cambridge)</i>
13:20-13:40	Database: European Catalogue of Volcanoes	<i>Bergrún A. Ólafsdóttir (IMO)/Lucia Gurioli (OPGC)</i>
13:40-14:00	EPOS platform	<i>Giuseppe Puglisi (INGV)</i>
14:00-14:20	Volcanoes in Comoro Islands: experiences	<i>Hamidi Soule (KVO)</i>
14:20-14:35	break	
14:35-14:55	Volcanoes in the Dutch Caribbean: current procedures	<i>Elske van Zeeuw de-Dalfsen (KNMI)</i>
14:35-14:55	Jan Mayen volcano: current procedures	<i>Lars Ottemoller (Uni Bergen)</i>
14:55-16:30	Discussion	
16:30-17:00	Closure and final remarks	