



Our ref.: 21143/2022/S/AVI/IWVA-8

27 September 2022

Annex: 1 (available in English only)

Subject: Announcement and Call for Abstracts for the Eighth International Workshop on Volcanic Ash (IWVA-8)

Action required: Distribute the announcement to interested parties, submit short abstracts of papers not later than **16 November 2022** and register for the workshop by **13 January 2023**

Dear Sir/Madam,

I am pleased to inform you that, at the kind invitation of the New Zealand government, the World Meteorological Organization (WMO), in collaboration with the International Union of Geodesy and Geophysics (IUGG), the Meteorological Service of New Zealand (MetService) and other partners, is convening the Eighth International Workshop on Volcanic Ash (IWVA-8) in Rotorua, New Zealand on 4 and 5 February 2023. The workshop is an in-person only event and will be conducted entirely in English.

The theme of the workshop is: *From the 2010s to the 2020s and beyond: Managing and mitigating volcanic risks to aviation with an explosion of science.*

Summary information on the workshop, including the objective, intended audience and provisional programme are available in the [annex](#). Additional information is available [online](#).

With this announcement, I would like to invite the submission of short abstracts of papers by completing the [Abstract Submission Form](#) not later than **16 November 2022**. The WMO Services Commission (SERCOM) Standing Committee on Services for Aviation (SC-AVI) Advisory Group on Volcanic Science for Applications (AG-VSA) will select papers for oral presentation or (if convened) poster presentation. WMO may consider providing limited financial support to cover travel and/or subsistence allowance for early career scientists and participants from developing countries who are selected to present papers or (if convened) posters. A request for financial support should be clearly indicated at the time of Abstract Submission.

To: Permanent Representatives of Members of WMO  
International Union of Geodesy and Geophysics (IUGG)  
International Civil Aviation Organization (ICAO)  
International Coordinating Council of Aerospace Industries Associations (ICCAIA)  
International Air Transport Association (IATA)  
International Federation of Air Line Pilots' Associations (IFALPA)  
Agence pour la Sécurité de la Navigation Aérienne en Afrique et à Madagascar (ASECNA)

cc: Hydrological Advisers  
Presidents and vice-presidents of technical commissions  
Presidents of regional associations

I should be grateful if you could make this announcement widely known within your respective service and other relevant organizations in your country engaged in volcanic ash cloud and gas scientific research and technological developments, as well as the supply and use of volcanic ash-related services for international civil aviation.

The IWVA-8 workshop will be preceded by an IUGG International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI) Scientific Assembly 2023, also in Rotorua, from 30 January to 3 February 2023. Information on the IAVCEI Scientific Assembly is available [online](#). Several of the IAVCEI Scientific Assembly sessions are being convened with input from WMO and relevant outcomes will then be forwarded to the IWVA-8 workshop for further consideration. In addition, it is anticipated that aspects such as disaster risk reduction and multi-hazard early warning systems will form key considerations of these sessions. The president of SERCOM, Mr Ian Lisk, will serve as the lead coordinator of WMO's input to the IAVCEI Scientific Assembly and also the moderator of the IWVA-8 workshop.

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#### How to register:

- To attend the IAVCEI Scientific Assembly and the IWVA-8 workshop, please register at <https://confer.eventsair.com/iavcei2023/registration> not later than **13 January 2023**.
- To attend the IWVA-8 workshop only, please register by sending an email to [iavcei2023@confer.co.nz](mailto:iavcei2023@confer.co.nz) with a copy to [aviation@wmo.int](mailto:aviation@wmo.int) not later than **13 January 2023**.

Please note, to support the convening of these events there is a registration fee of NZD 250 per day to attend the IAVCEI Scientific Assembly and a registration fee of NZD 105 total to attend the IWVA-8 workshop. Both fees include a 15% government sales tax. The registration fee, including cancellation and refund policy, is administered entirely by IAVCEI. WMO possesses no liability in this regard.

Any questions concerning the convening of the IWVA-8 workshop should be addressed to Mr Greg Brock, Head of the Services for Aviation Division, WMO (email: [aviation@wmo.int](mailto:aviation@wmo.int)) and Mr James Lunny, WMO Manager, MetService, New Zealand (email: [james.lunny@metservice.com](mailto:james.lunny@metservice.com)). Any questions concerning the convening of the IAVCEI Scientific Assembly should be sent directly to IAVCEI ([iavcei2023@confer.co.nz](mailto:iavcei2023@confer.co.nz)).

Regarding insurance coverage for non-staff members, may I draw your attention to the following:

*Non-staff members of WMO who are authorized to travel at the Organization's expense and/or who are receiving a DSA from WMO must ensure they are fully responsible for expenses incurred in the event of death, illness or injury during official travel and attendance at meetings on behalf of the Organization. They are, therefore, fully responsible for arranging life, health, accident, as well as any other forms of insurance with an adequate level of coverage for the duration of such meetings and events.*

*WMO liability is limited to the performance of services or attendance at a meeting on behalf of the Organization, is covered by an injury and illness benefit insurance which provides a limited coverage for medical, emergency and supplementary official travel expenses.*

Lastly, I should indicate that WMO and its partners are closely monitoring the COVID-19 (Coronavirus) pandemic and its potential impact on the convening of this workshop. Participants will be duly notified in the event that there are substantive changes to the foregoing arrangements.

Yours faithfully,



Dr Elena Manaenkova  
for the Secretary-General

## **Eighth International Workshop on Volcanic Ash (IWVA-8)**

**4 to 5 February 2023**

**Rotorua, New Zealand**

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### **OBJECTIVE**

The main objective of the workshop is to demonstrate the worldwide progress made in supporting the scientific and technological advancement within the International Airways Volcano Watch (IAVW) over the past 10 years or more and to highlight where gaps and other limitations in capacity and capability still prevail. The IAVW was established in the 1980s by the International Civil Aviation Organization (ICAO) with the assistance of WMO and other partners and has become a mature, worldwide system comprising of meteorological, volcanological and geological services, and other facilities with the objective to support continued safe and efficient aviation operations on the ground and in the air whenever and wherever volcanic eruptions are occurring and/or whenever and wherever volcanic ash clouds and gases are present in the atmosphere.

Responding to the evolving needs of the aviation industry, the workshop will also look to chart a path for scientific and technological advancement through this decade and beyond, thereby helping to inform the further development of the work plan of the WMO Services Commission (SERCOM) Standing Committee on Services for Aviation (SC-AVI) Advisory Group on Volcanic Science for Applications (AG-VSA).

The workshop will comprise of a blend of introductory keynote addresses, research and industry presentations including national and regional case studies, and panel discussions with opportunities for audience interaction. Subject to expressions of interest and logistical considerations, a poster session may also be convened.

### **INTENDED AUDIENCE**

The intended workshop audience includes meteorological and volcanological scientists, researchers and operational personnel including service providers from volcanic ash advisory centres and State volcano observatories as well as aviation users including flight crew, airport and airspace managers, and airframe, engine and avionics original equipment manufacturers.

## PROVISIONAL PROGRAMME

### Saturday, 4 February 2023 (morning and afternoon)

- Relevant outcomes of sessions of the IAVCEI Scientific Assembly
- Airframe/engine/avionics susceptibility developments and industry needs
- State volcano observatories and volcanic ash advisory centres reporting of highlights since IWVA-7 (2015) and foreseen challenges and opportunities up to 2030
- The next generation of volcanic hazard services for aviation including quantitative volcanic ash and sulfur dioxide forecast information services.

### Sunday, 5 February 2023 (morning only)

- Agreement of key outcomes and recommendations arising from IWVA-8 to help inform the further development of the work plan of WMO's Advisory Group on Volcanic Science for Applications.

Additional information on the convening of IWVA-8 is available [online](#).