

Seventh meeting of the WMO-IUGG Volcanic Ash Scientific Advisory Group (VASAG/7)

Status of follow-up of VASAG/6 (2015) actions



WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

*21 to 23 August 2017
USGS, Vancouver, WA United States*

**Greg Brock, Scientific Officer
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Action 6/1

- **WMO SCOPE-NOWCASTING update**
 - VASAG's continued strong support for this project as an essential component in the science to services system should be expressed to the SCOPE-NOWCASTING panel (through Dr Pavolonis)
- **Proposed status: Ongoing**

Action 6/2

- **Relevant publications**
 - VASAG (through Ms Guffanti) to contribute as required to the updated IAVCEI guidelines [here](#) and promote conformance to these guidelines
- **Proposed status: Ongoing**

Action 6/3

- **ICAO mechanisms and role of VASAG**
 - VASAG reaffirms its commitment to providing and supporting the METP with expert advice on volcanic ash issues. Co-chairs to convey this to the METP chair (completed)
- **Proposed status: Complete**

Actions 6/4 and 6/5

Aircraft encounters with ash from Kelud

- The ICAO METP to be asked to promote the importance of sharing the outcomes of VA-related investigations with the science community to facilitate more focussed research (Action: Dr Tupper / Ms Guffanti)
- **Proposed status: Complete**
- Coordinate, through Dr Tupper, Dr Pavolonis, Dr Mastin, the further investigation of the Kelud encounter, and report back to the ICAO METP
- **Proposed status: Complete** (and consider developing a new Action at VASAG/7 on on-going work)



Action 6/6

- **Global volcano ESP database for restless volcanoes**
 - Encourage BGS to continue to work on making the web-based version of the ESP database available for VASAG review as soon as possible (Dr Mastin)
- **Proposed status: Ongoing**

Action 6/7

- **Outreach**
 - Further development of graphically-based information brochures and the website to underpin and complement the priorities and themes of the 3-yearly science workshops (Secretariat, with inputs from VASAG members)
- **Proposed status: Ongoing**

Action 6/8

- **Next generation geostationary satellite applications**
 - Mr Lisk to liaise with the VAACs at the next VAAC Best Practice meeting to discuss how VAAC provider States can best be supported in undertaking their training opportunities
- **Proposed status: Complete**

Action 6/9

- **‘Volcano Desk’ at WMO**
 - WMO Secretariat, with Mr Lisk, to make contact with the GEO Secretariat to explore options for future engagement
- **Proposed status: Ongoing** (or mark as complete and replace by a new Action at VASAG/7)

Action 6/10

- **Use of radar data for volcanic ash applications training**
 - Icelandic Meteorological Office, through Dr Barsotti and Dr Karlsdóttir, to consider potential approaches to radar training modules, in collaboration with other relevant countries and with CAeM ET-ETC
- **Proposed status: Ongoing**



Action 6/11

- **Appropriate methods for assessing aviation hazards and risk**
 - The VASAG agreed to, under the leadership of the co-chairs, develop an information paper to present at the next meeting of the METP WG-MOG in 2016, based largely on the information provided to VASAG and relevant outcomes (including ‘Ins and Outs’ modelling tables update, other relevant comparison exercise outcomes, and so on) arising from the seventh International Volcanic Ash Science Workshop in Alaska in October 2015

- **Proposed status: Complete**

Action 6/12

- **SO2 monitoring**
 - The VASAG (Dr Witham leading, subject to confirmation) agreed to coordinate the gathering of hazardous gases health impact data and science to (potential) service capability assessments to support the delivery of a paper to the 2016 meeting of the ICAO METP WG-MISD (date to be advised later)
- **Proposed status: Complete**

Action 6/13

- **Future Space-based payloads**
 - VASAG (Dr Pavolonis leading) to coordinate the development of a paper to be submitted to the US National Academies' decadal review
- **Proposed status:** Cancelled (no longer relevant)

Action 6/14

- **IAVW Roadmap**

- Co-chairs to ensure that sufficient discussion time is allocated at VASAG/7 to review the ICAO METP IAVW and SO2 job cards and the ICAO IAVW Roadmap and to consider the opportunities to map these plans to the on-going and future science and research activities in preparation for a more detailed discussion at the next VASAG meeting. Co-chairs to raise any other related business for discussion between meetings as required

- **Proposed status: To be determined** (to be discussed further at VASAG/7)

Action 6/15

- **Date and place of next meeting**
 - Co-chairs to discuss proposed meeting arrangements with WMO Secretariat;
 - VASAG (Ms Guffanti) to contact other Scientific Organizing Committees to discuss possible relevant sessions;
 - Consideration be given to updating the explanatory material on the IAVW previously prepared for SVOs (Dr Tupper)

- **Proposed status: Complete**



Thank you Merci



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