

IACS/IAVCEI Volcano-Ice Interactions Commission Report 2020/21

The Volcano–Ice Interactions Commission (VIIC) has been revitalised in the last year following the election of a new leadership team in August 2020. Our goal has been to re-establish activity within the commission by promoting research, facilitating discussion, and fostering connections within and beyond the glaciovolcanic community. A key part of this process has been to reconnect with IACS to re-establish the joint commission, which has been historically IAVCEI-dominant. Two new positions have now been created to represent IACS in the commission leadership, a co-chair and an additional vice-chair, to be held jointly with the respective IAVCEI-affiliated officers. These new leaders will help integrate IACS activities with the commission goals and increase the participation of IACS members within VIIC.

In the last year, we have:

- Reviewed the commission goals and updated our commission charter and terms of reference.
- Created a new website (<https://sites.google.com/view/volcano-ice>), which includes the administrative details, a list of recent publications, upcoming events, such as virtual seminars and relevant conference sessions, and external links to volcano observatories and research institutes, volcano webcams, and news articles.
- Created a Twitter account (@volc_ice) where the latest news and research is shared, and our events are advertised.
- Initiated a quarterly virtual seminar series for members to present their new research and provide a platform for discussion. Two seminars have been held so far, with two more planned for the rest of the year. Around 140 people have registered for these seminars to attend in person or access the recording. The call for speakers has also been met with great enthusiasm, and we have altered the format to include 2 speakers per seminar, to accommodate demand.
- Sponsored the EGU 2021 session: Volcano-glacier interactions: Arctic, Antarctic, and globally.

Upcoming activities are subject to change, based on the development of the COVID-19 pandemic.

Activities that we are considering at this time, include:

- Promote and sponsor upcoming conference sessions within the, (1) 2021 Geological Society of Chile symposium and (2) the 2022 EGU annual meeting.
- Present VIIC to the (1) Quaternary Science Chilean Association and the Geological Society of Chile and (2) Geoscience Society of New Zealand annual meeting, to enhance international networking.
- Work towards a simplified workflow model for translating VIIC material and presentation to languages other than English.
- A pre-conference fieldtrip based around the glaciovolcanic products and features at Ruapehu and Tongariro stratovolcanoes at the upcoming IAVCEI 2023 conference in Rotorua, New Zealand.
- Consider pursuing a special issue on glaciovolcanism in *Frontiers* or the *Bulletin of Volcanology*
- Begin a glaciovolcano image database, based on successful current models (e.g., <https://www.swisseduc.ch/glaciers/>).
- Contact Eos to coordinate a research spotlight or special issue on glaciovolcanism.