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INTERNATIONAL ASSOCIATION
OF VOLCANOLOGY AND CHEMISTRY
OF THE EARTH'S INTERIOR



FROM THE PRESIDENT



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Dear colleagues,

As this fourth IAVCEI Newsletter in 2020 is issuing, both our personal and professional lives remain strongly impacted by the Covid-19 pandemic. I thus hope that yourself and your loved ones stay safe under these difficult circumstances. While further demonstrating the key importance of scientific research to our societies, the incredibly fast outcome of dedicated vaccines now raises strong hopes for a progressive overcome of the pandemic and hence a gradual return to 'normal life' in 2021.

For our volcanological community 2020 will definitely be recorded as an unexpected dramatic year. Most of you had to cancel travel plans, fieldworks and meetings. A number of PhD students and postdocs had their plans deeply affected. As regards the IAVCEI, we were forced to cancel or postpone all our planned in-site meetings. Fortunately, internet, webcams and video applications helped to keep us connected and to develop virtual meetings and teaching, even though virtual connections can hardly replace the great value of in-person exchanges.

In the same time, one can acknowledge that volcanological science has continued to advance, even when society and economy were set on pause. This is manifested in a thorough number of outstanding publications. Congratulations to the researchers,

engineers and technicians who made this possible. Again, many thanks as well to our colleagues in volcano observatories who warranted continuity in the survey of active volcanoes worldwide. Luckily, no major eruption requiring massive evacuation occurred during these pandemic and lockdown times.

Despite these difficult circumstances, the IAVCEI Executive board has continued working hard on its objectives defined in 2019, as already described in our previous Newsletter 2020-3. Among the few items I'd like to briefly highlight here is our excellent interaction with *Guarant International*, our private professional partner, which in 2020 strongly helped us in managing our communication, our membership, and in building with us a professionalized new website. This new IAVCEI website should become operational by early 2021. Another objective planned with Guarant in 2021 will be to identify and find private sponsorships that could contribute incomes to IAVCEI. Our idea is to identify private companies which commonly sail equipment to volcanologists (laboratory or/and portable instruments, field equipment and accessories, etc.) and which may be willing to support the IAVCEI activities in exchange of promotional dispatch of their label on our website and in our communication. IAVCEI members will be welcome in recommending us target companies of relevant interest.

Our contracting with Guarant International has just completed its first term (2017–2020) and we are now renewing this partnership for 2021–2023. →

Another move I'd like to mention concerns our objective to reduce the (too large) number of our Commissions (see Newsletter 1919-2/3). Our two vice-presidents, Jan Lindsay and Masato Iguchi, recently achieved an *updated assessment of IAVCEI Commissions activities* and created an interactive spreadsheet that Commission, Working Group and Network leaders can directly upgrade. The results of this overall assessment will be discussed during a next meeting of the IAVCEI Executive Committee and you will be informed of our recommendations. As is required, the updated list of Commission/WG/Network officers was transmitted to IUGG (see IUGG wishes for 2020–2021 thereafter).

Otherwise, I outline below two events that marked this last part of 2020.

■ VSCM Awarding Ceremony

As announced in our third Newsletter, the 2020 IAVCEI Award for Volcano Surveillance and Crisis Management has been attributed to **IG-EPN** (the Instituto Geofísico – Escuela Politécnica Nacional) of Ecuador. For the first time in the history of IAVCEI, this award was delivered during a virtual ceremony, on October 29, thanks to an excellent organization by Guarant International (Denisa Svatkova and collaborators). The ceremony was followed by a hundred of registered participants from all over the world and was simultaneously displayed on the ALVO (Asociación Latinoamericana de Volcanología) YouTube channel. It involved 6 successive speeches by Roberto Sulpizio (IAVCEI SG), Patrick Allard (IAVCEI president), Jean-Luc Le Pennec (Chief-nominator), Silvana Hidalgo (Director of IGEPN), Paraskevi Nomikou (COV11 scientific coordinator) and Mariano Augusto (ALVO president), then 30 min of applause, comments and questions. Video recording of the ceremony is available on the IAVCEI website.

■ 10-yr anniversary of ALVO

ALVO, the Latin American Association of Volcanology, reached its ten years of existence in November 2020. On November 3 this anniversary ("10 years of ALVO: achievements and challenges")

was celebrated during an online meeting involving all ALVO's former, current and future presidents, plus the IAVCEI's SG and president as invited panelists.

Finally, I remind you the planned schedules of **our next two main IAVCEI meetings**. Of course, schedules will be closely evaluated and updated with the respective LOC in function of the evolution of the Covid-19 pandemic:

- Cities On Volcanoes 11th Conference, Heraklion (Crete), June 14–18, 2021.
- IAVCEI Scientific Assembly, Rotorua (New Zealand), January 20–24, 2022.

Several IAVCEI Awards are delivered during our Scientific Assemblies. Call for submitting award nominations for our 2022 SA in Rotorua will thus be communicated in due time.

I also remind you the *2021 Goldschmidt Conference*, to which IAVCEI is an associated partner (Theme 5: 'Magmas and Volcanoes'), which is planned on July 4–9, 2021 in Lyon (France) (<https://2021.goldschmidt.info/goldschmidt2021/cfp.cgi>).

To conclude, two positive considerations: first, the arrival of vaccines against the SARS-COV-2 raises strong hopes that 2021 will be a year of recovery for the whole world and our volcanological community in particular. Secondly, the United States of America are expected to be back soon into the worldwide community of the 2015 Paris Agreement on Global Climate Change!

Merry Christmas and happy New Year to all of you.



Patrick Allard

Paris, December 22, 2020

MESSAGE FROM THE SECRETARY GENERAL

Dear IAVCEI members,

we are at the end of an unprecedented, difficult year for the whole world and the volcanological community in particular. Most of our professional life was disrupted by the pandemics, especially our opportunity to meet in person during workshops and conferences. The recovery of "normality" will not be easy nor rapid, but a hope is coming thanks to vaccines.

For the IAVCEI 2020 was a kind of frozen year in terms of meetings and workshops, but we continued to support the volcanological community through collaborations with our Commissions and by improving the functioning of our Association. Recent advances and ongoing activities are summarized in the President's column of this Newsletter issue. By my side I can assure that the financial status of IAVCEI continues healthy, even though – for the first time since 2015 – we had a contraction in our balance due to the lack of incomes from conferences. Instead, there has been a moderate reduction in our paid memberships, and we thus

acknowledge your support to IAVCEI even during this difficult year.

For 2021 we hope to restart the engine and move towards normality. We will come back with reopening of registrations for the 11th Cities On Volcanoes meeting (to be held in Crete next June), and we will coordinate with the New Zealand LOC as regards our Scientific Assembly to be held in Rotorua in February 2022. In the same time we will be beside our commissions and associated bodies to ensure them the necessary support to their expected renewed activities. Because it is very important for the IAVCEI and for the whole volcanological community, I invite you to renew your membership in 2021.

**I hope you will continue safe and healthy in the next year.
My warmest season's greetings to all of you**

Roberto Sulpizio

IAVCEI Secretary General

IAVCEI NEWSLETTER

Cities and Volcanoes Commission update

The Cities and Volcanoes Commission is creating a new mailing list/database so we can communicate with members more easily. In light of the privacy laws in the EU and elsewhere, we ask all existing members to register using the provided link below. This will ensure we abide by current legislation and keep you updated with Commission news.

If you would like to re-join the commission as a member, please sign up at this link: <http://eepurl.com/hgqZZD>.

Members who sign up by the end of December 2020 can expect to receive an email early January 2021 regarding commission matters.

So, what does it mean to be a member?

- You will receive CaV newsletters with conference updates.
- You will have a chance to provide feedback from conferences and events to help shape the future direction of the commission.
- There will be opportunities to establish, organize and take part in inter and intra conference CaV/CoV related activities and events.
- You will have voting rights to elect the CaV committee.
- There will be opportunities to share with the wider community local success stories resulting from CoV events.

The information you provide (name, email and institution) will not be shared with anyone other than the CaV commissioners and will be only used to share with you the above information.

Take care

Danielle Charlton

Research Fellow



The IUGG Executive Committee and the IUGG Secretariat thank the Adhering Bodies and National Committees, Union Associations and Union Commissions as well as all other groups and individuals who helped make the challenging year 2020 productive, and those who contributed to strengthening international scientific cooperation in Earth and space sciences for the benefit of society.

We wish you happiness, health and great success in 2021.

IAVCEI AWARD

IG-EPN (Ecuador) honored with the 2020 IAVCEI Award for Volcanic Surveillance and Crisis Management

The IAVCEI Volcanic Surveillance and Crisis Management Award, attributed every two years, honors the personnel from institutions or organizations responsible for monitoring volcanoes (volcano observatories and/or other institutions) that have made a remarkable contribution to the mitigation of volcanic hazards and volcanic risks. Volcano monitoring, eruption forecasting, and the mitigation of volcanic hazards are key objectives of volcanologists and the duty of volcano observatories worldwide. Criteria for eligibility include: successful hazard assessment and mitigation efforts, and/or effective volcano surveillance and eruption forecasting and/or effective crisis management.

We are pleased to announce that the IAVCEI Awards Committee has decided to attribute the 2020 IAVCEI Award for Volcano Surveillance and Crisis Management (VSCM) to the Instituto Geofísico, Escuela Politécnica Nacional (IG-EPN) of Ecuador (Quito). The decision was communicated to the Director of IG-EPN, Dr. Silvana Hidalgo.

Through this award, the Committee wishes to honor the long-lived initiatives and advances of IG-EPN in developing high-level surveillance and international research studies of Ecuadorian volcanoes, in promoting close collaborations with the communities affected by eruptions, as well as with stakeholders and decision-makers at local, regional and national levels, and for its very successful efforts in coping with several important volcanic crises in both continental Ecuador and the Galapagos archipelago over the past two decades. The IAVCEI recognition of scientific and monitoring excellence by IG-EPN in Ecuador can also be taken as an encouragement to the ongoing developments of volcano research and monitoring in whole Latin America, regionally represented within the ALVO (Asociación Latinoamericana de Volcanología).

Our warm congratulations to the Director and staff of IG-EPN.

Patrick Allard
President of the IAVCEI

