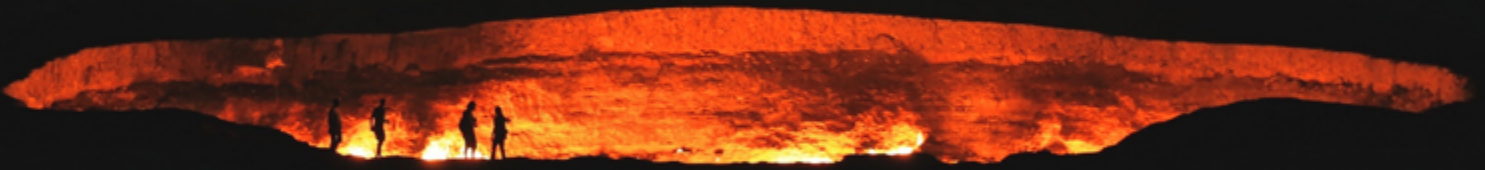


# NEWS No. 3

October 2020

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



## FROM THE PRESIDENT



Photo by © Francesco Zizola

Dear Colleagues,

As this third IAVCEI Newsletter in 2020 is issuing the Covid-19 pandemic is still active or even reactivating in several parts of the world, impacting our personal and professional life.

It's definitely a hard time to manage our international meetings. After having postponed our Scientific Assembly in New Zealand (Rotorua) from February 2021 to January 20–24, 2022, we've been forced by mid-July to cancel the COV11 Conference in Crete already rescheduled in late September. This decision, thwarting our plans detailed in the precedent Newsletter, was taken at unanimity by the Greek LOC and POC, the IAVCEI Exec and leaders of the Commission Cities and Volcanoes, anticipating the current Covid rebound. The fixed new dates for COV11 are June 14–18, 2021, hoping that the pandemic situation will have drastically improve at that time! Similarly, the SHV25 conference, entitled '*Opportunities from Disaster: Lessons from 25 years living with the volcano*' (Soufriere Hills Volcano in Montserrat), was rescheduled on July 12–16, 2021. Abstract submission can be made at: <http://shv25.com/online-submissions/submitting-an-abstract/>. Instead, current uncertainties have led local organizers to cancel (and not yet reschedule) the 14<sup>th</sup> CCVG Field Workshop (IAVCEI Commission on the Chemistry of volcanic Gases), expected to occur in June 2021 in Hokkaido. Thank you to all IAVCEI Commission leaders to keep us informed of changes in their meeting plans; these are communicated and reported in the monthly newsletter of IUGG.

In the same time, we have nevertheless continued to push forward our mandate objectives described in the Newsletter 2019 n°2–3. Below I list you some updates or good news regarding the IAVCEI activity.

- **New IAVCEI website.** Our first objective was to professionalize our website and our communication. In close link with our private partner GUARANT International, we've been working at building an improved IAVCEI website (WordPress CMS) that should provide us with both more professional and more friendly access to real time information and communication on all volcano-related matters, with connection to social networks. This new website is also expected to ultimately host the webpages of all our Commissions and Working Groups. It should become operational quite soon!
- **E-Volcano.** Given the unexpectedly rapid development of remote teaching forced by the Covid-related lockdown, the idea has emerged to create an e-learning platform on the new IAVCEI webpage, where peer-reviewed multidisciplinary videos could be made freely available to students, scientists, and the public. This project, called **e-Volcano**, is promoted and managed by Jessica Kandlbauer (Lausanne, Switzerland), expert in managing scientific communication, with a strong support of the IAVCEI Exec. Both existing and new documents (videos, movies, MOOCs..) could be used. Experts will be invited to record scientific educational videos covering the main topics in Volcanology. This will directly concern the IAVCEI Commissions, whose leaders were just contacted by Jessica Kandlbauer on September 27. In addition, the volcanology community will be able to send proposals for video submissions, complementing the main videos, or for short communications about recent volcanic eruptions, exercises, and many more.
- **IAVCEI Centennial e-book.** Last year the IAVCEI celebrated its first centennial during the IUGG 27<sup>th</sup> GA in Montreal. The multidisciplinary overviews orally presented on that occasion, during a full-day special session, are planned to become the matter of an IAVCEI centennial e-book. →

- **WOVO renewal.** Rejuvenating the WOVO (World Organization of Volcano Observatories) is one prime objective of the IAVCEI Exec. An international think-tank composed of multidisciplinary experts was created by mid-August to explore the best solutions for a renewed activity and role of the WOVO in the context of global volcano monitoring and worldwide volcano Observatories. This think-tank has started working through e-mail exchanges but will also proceed through online meetings and, if possible, a future dedicated physical meeting.
- **2020 IAVCEI Award for Volcano Surveillance and Crisis Management.** The IAVCEI Volcanic Surveillance and Crisis Management Award, attributed every two years, was created to honor 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. Its first recipient, in September 2018, was the Badan Geologi/CVGHM of Indonesia.

Just two years later, the 2019-2023 IAVCEI Awards Committee has decided to attribute the 2020 Award to the *Instituto Geofísico, Escuela Politécnica Nacional (IG-EPN) of Ecuador* (Quito). This recognition, officially announced on September 29, honors the long-lived initiatives and advances of IG-EPN in developing a high-level surveillance and international research studies of Ecuadorian volcanoes and, particularly, in promoting close collaborations with the communities affected by eruptions, as well as with stakeholders and decision-makers at local, regional and national levels. This permitted IG-EPN to successfully manage several important volcanic crises in both continental Ecuador (Guagua Pichincha, Tungurahua, Cotopaxi, Reventador) and the Galapagos archipelago (Fernandina, Cerro Azul, Sierra Negra and Wolf) over the past two decades. The awarding of IG-EPN 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).

Initially planned to occur physically during the COV11 Conference in Crete (now postponed to June 2021), the award ceremony will be organized in virtual mode (date will soon be fixed and communicated) but will also be recorded and posted on the IAVCEI website for a broad access.

I do express our warm congratulations to the Director (Dr. Silvana Hidalgo) and the staff of IG-EPN.

- **A new MoU signed between IAVCEI and the European Association of Geochemistry (EAG).** I am happy to inform you that IAVCEI has recently signed a new MoU with the European Association of Geochemistry (EAG), after the previous one signed with the Geochemical Society (GS). Both MoUs are aimed at valorizing the expertise of IAVCEI members in the geochemical fields of Volcanology and at promoting the interactions and mutual benefits of geochemistry-related Associations. In particular, this will be materialized through co-sponsored scientific Sessions on topics of magmatism and volcanology during the Goldschmidt conferences. A call for session proposal on the Theme 5 'Magmas and Volcanoes' has just been launched for the next Goldschmidt conference in 2021 (Lyon, France, 4–9 July; see thereafter).

Finally, let me highlight that on September 16 CVGHM (Center for Volcanology and Geological Hazard Mitigation) celebrated the 100-yr anniversary of Indonesian Volcanology and great advances in the monitoring of Indonesian volcanoes (see thereafter). This ceremony has been preceded since July 13 by a series of webinars on multidisciplinary topics, to which some IAVCEI members contributed. A special report by CVGHM on this 100-yr celebration is expected for our next newsletter.

**My very best wishes to each of you. Take care!**



**Patrick Allard**  
Paris, September 29, 2020

## IAVCEI NEWSLETTER – SEPTEMBER EDITION

# Cities and Volcanoes Commission update

**Commission update** – We welcome Carina Fearnley as special project coordinator. Carina will be focusing on membership, addressing strategies for communication and engagement between COV meetings as well as many other projects. Danielle Charlton will replace Carina's role as Secretary.

**COV11** – Firstly, we would like to thank everyone for being so accepting and welcoming of the changes and amendments to the COV11 schedule. The local organising committee and conference organisers have been continuously assessing the situation and making arrangements, while dealing with the ongoing pandemic in their home countries. Their decision to postpone was based on feedback provided by the volcano community, and in particular

emergency managers, who have overwhelming tasks currently. Safety is of utmost importance. We hope we are all in a position to safely travel to Crete in June 2021 and enjoy the benefits of a physical meeting.

**Membership and communication** – Over the next year, we will be developing a new contact database and reaching out for people to join or rejoin our mailing list. If you are already a member of our VHUB group, look out for an email over the next few months asking you to confirm your membership. We also would like to highlight our new website [www.citiesonvolcanoes.org](http://www.citiesonvolcanoes.org), this will serve as a base to provide updates and ongoing communication with members and the volcano community.



## CVGGM NEWS

# Celebration of the 100-yr anniversary of Indonesian volcanology and volcano monitoring by CVGGM

CVGGM (Center for Volcanology and Geological Hazard Mitigation) and Indonesian volcanologists celebrated 100 years of advances in studying and monitoring the active volcanoes of Indonesia, through a series of webinars since mid-July up to an official ceremony on September 16.

Indonesia has paid the heaviest life tribute to volcanic eruptions over the past four centuries. Improved monitoring of the numerous active volcanoes in this densely populated country is thus essential. The great advances realized by CVGGM over the past decades, and its successful management of major volcanic emergencies at Merapi, Kelut, Sinabung and Agung (among others), were acknowledged by the international community and honored in 2018 with the first IAVCEI Award for Volcano Surveillance and Crisis Management.

Several IAVCEI colleagues and members of the Executive Committee contributed to the webinars for this 100-yr celebration.

**PERINGATAN 100 TAHUN PEMANTAUAN GUNUNG API INDONESIA**

KEMENTERIAN ENERGI DAN SUMBER DAYA MINERAL | BADAN GEOLOGI PUSAT VOLKANOLOGI DAN MITIGASI BENCANA GEOLOGI

LESSONS LEARNED, REFLECTION AND CELEBRATION

13 JULI 20, WEBINAR PEMBUKAAN | 16 SEPTEMBER 20, WEBINAR PUNCAK ACARA

14 Juli 20, Webinar Kebencanaan Geologi di Selat Sunda  
23 Juli 20, Webinar Workshop Peneliti II: Pemertajuan Uraian dan Dinamika Proses Magmatik  
28 Juli 20, Webinar Workshop Peneliti II: Magma Plumbing System and Eruptive Dynamics  
30 Juli 20, Webinar Workshop Peneliti III: Mineral Chemistry and Textural Characteristics of Rock in Relation with Eruption Style  
5 Agustus 20, Webinar Kebencanaan Geologi di Pulau Lombok  
6 Agustus 20, Webinar Risk Communication I  
11 Agustus 20, Webinar Risk Communication II  
13 Agustus 20, Webinar Kebencanaan Geologi & Cakupan Bandung  
14 Juli 20, Webinar Kebencanaan Geologi di Selat Sunda  
18 Agustus 20, Webinar Pengamat Gunung Api I  
25 Agustus 20, Webinar Pengamatan Wisata Berbasis Prinsip Bencana Geologi  
27 Agustus 20, Webinar Literasi Kebencanaan Geologi  
2 September 20, Webinar Problematisa Penanggulangan Bencana Geologi  
7 September 20, Webinar Toru/Wicara AM Vulkanologi Dunia  
8 September 20, Diner Darah  
8 September 20, Webinar Perspektif Masyarakat di Kawasan Rawan Bencana  
10-11 September 20, Webinar 18 Tahun Letusan Merapi  
14 September 20, Webinar Pengamat Gunung Api II  
15 September 20, Webinar Damping dan Bunker Gunung Api untuk Anak

email: centeria@vsi.esdm.go.id | www.vsi.esdm.go.id | pvmgb | @vulkanologi\_mbg | @pvmgb\_kesdm

Years of SAVING LIVES  
LESSONS LEARNED, REFLECTION AND CELEBRATION

WEBINAR #14  
Monday, 07 September 2020  
09:30 - 11:30 (UTC +7)

THE 100-YEARS ANNIVERSARY OF VOLCANO MONITORING  
**GLOBAL VOLCANOLOGY TALK:**  
THE PAST, PRESENT AND FUTURE OF VOLCANO MONITORING

Organized By: CENTER FOR VOLCANOLOGY AND GEOLOGICAL HAZARD MITIGATION  
GEOLOGICAL AGENCY, MINISTRY OF ENERGY AND MINERAL RESOURCES

**MODERATOR:**  
Dr. Davy Kamil Syahbana  
Head of Eastern Indonesia Volcano Mitigation Subdivision  
Center for Volcanology and Geological Hazard Mitigation, Indonesia

**SPEAKERS:**

1. Dr. Patrick Allard  
President of the International Association of Volcanology and Chemistry of the Earth's Interior
2. Dr. Jacob Lewenstam  
Chief of the Volcano Disaster Assistance Program (VDAP)  
United States Geological Survey (USGS)  
United States of America
3. Dr. Hendra Gunawan  
Head of Volcano Mitigation Division  
Center for Volcanology and Geological Hazard Mitigation, Indonesia
4. Prof. Fidel Costa  
Chair at the Asian School of the Environment  
Earth Observatory of Singapore  
Nanyang Technological University, Singapore
5. Prof. Masato Iguchi  
Professor at the Disaster Prevention Research Institute  
Kyoto University, Japan
6. Prof. François Beaudouy  
Senior Researcher at the Institut de Recherche pour le Développement  
IRD / IRTes / IRD, France

Registration: bit.ly/100years-volcanology | Zoom: 1000 Participants | WhatsApp Contact: +62 822660070707 | +62 8226644848 | +62 822668264 | +62 822668264 | +62 822668264

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## CALL FOR SESSIONS

# Goldschmidt 2021



IAVCEI recently signed a MoU with the European Association of Geochemistry (EAG), with the aims to co-develop geochemical researches in volcanology and to co-sponsor scientific sessions during the annual Goldschmidt Conferences.

The call for session and workshop proposals, here below, is now open for the next Goldschmidt Conference planned on July 4–9, 2021 in France (Lyon). We thus encourage IAVCEI members to propose sessions on topics dealing with Volcanology and Chemistry of the Earth's Interior.

These will appear under the Theme 5 “Magmas and Volcanoes” (summary below), co-chaired by Liz Cottrell (Smithsonian Institution, USA), Fidel Costa (EOS, Singapore), and Patrick Allard (IPGP, France).

**Session/Workshop proposals can be submitted online at:**

<https://2021.goldschmidt.info/goldschmidt/2021/cfp.cgi>.

**The deadline is October 15.**

**EAG call**

We certainly hope to be able to meet from July 4–9, 2021 in Lyon, France, but are planning to also include online components to allow wide participation and welcome those who may be unable to attend in person. As always, the conference will feature great science, provide a high talk to poster ratio, and offer lots of opportunities to network!

The European Association of Geochemistry and the Geochemical Society are well aware of the need to increase diversity at the Goldschmidt Conference and are taking action to address this issue. Everyone in the community also has a role to play so we particularly invite submitters to form diverse and inclusive teams of conveners.

**Theme 5: Magmas and Volcanoes**

Magmatism and volcanism shape the long-term evolution of planets, including the formation of crust, the development of life, and present-day surface conditions. Volcanism, the ultimate expression of mass transfer from the interior, also presents a significant hazard to large and vulnerable populations. Studying magmatic processes is therefore of crucial interest to both fundamental understanding of the planetary evolution and the mitigation of volcanic risks. This theme will convene multidisciplinary sessions dealing with both fundamental and applied geochemical advances in studying magmas and volcanoes.

The acquisition of new samples, new experiments, and new observations, coupled with developments in analytical and modeling techniques, are providing us with greater insight into modern and ancient magmatic and volcanic processes. We thus welcome sessions that explore magmas and volcanoes from numerous perspectives – laboratory, field, numeric – to arrive at a greater integrated understanding of igneous processes and their consequences for both the planet and people.



**GOLDSCHMIDT®**  
**LYON • 2021**  
**4–9 JULY**



## (ISC) AWARDS

# Nominations for the 2021 International Science Council (ISC) Awards

IUGG, the International Union of Geodesy and Geophysics whose IAVCEI is one of the eight components, is an affiliated body of the International Science Council (ISC).

The ISC Governing Board has established in 2020 an ISC Awards Programme to recognise individuals, groups, and initiatives launched by the ISC and its members that serve to advance science as a global public good, by, for example, promoting international, interdisciplinary scientific research cooperation, striving to bring scientific knowledge into the public domain, innovating in science education and outreach, or promoting the free and responsible practice of science.

The ISC Awards will be conferred every three years during the ISC General Assembly in the five categories listed below. ISC members, affiliated bodies and partners are eligible to nominate candidates for the Awards.

The ISC call for nominations to the 2021 Awards is open now, and will close on **February 1, 2021**.

**Details of the nomination and selection process can be found on the ISC website at:**

<https://council.science/current/news/nominations-isc-awards/>

**Questions regarding the Awards Programme:**

Anne Thieme, [Anne.Thieme@council.science](mailto:Anne.Thieme@council.science), +33 1 45 25 06 01

### Award categories:

**1. Science for Sustainability Award** for outstanding scientific contribution to the achievement of the Sustainable Development Goals using an interdisciplinary approach (one award)

**2. Science-for-Policy Award** for outstanding contribution to, stimulation of, support for or communication of the findings of international scientific research and scholarship relevant to international policy challenges (one award)

**3. Policy-for-Science Award** for outstanding contribution to developments in the science system that enable science to contribute more effectively to major debates in the international domain (one award)

**4. Scientific Freedom and Responsibility Award** for outstanding contribution to defending and promoting the free and responsible practice of science (one award)

**5. Early Career Scientist Award** for exceptional contribution to science and international scientific collaboration by early career researchers (six awards: one award to a scientist from each of (i) Africa, (ii) Asia, (iii) Australia and Oceania, (iv) Europe, (v) North America, and (vi) South America and the Caribbean)

