

# Relevant Resources and Links

## Other Volcanic & Magmatic related organisations

### The Geological Society of London

*The UK's national society for geoscience, providing support to c.11,600 members in the UK and overseas. The Society aims to be an inclusive and thriving Earth science community advancing knowledge, addressing global challenges, and inspiring future generations.*

### The Mineralogical Society of Great Britain

*An international society for all those working in the mineral sciences. The Society has the general objective of advancing the knowledge of the science of mineralogy and its application to other subjects including crystallography, geochemistry, petrology, environmental science and economic geology.*

### International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI)

*The Association represents the primary international focus for: (1) research in volcanology, (2) efforts to mitigate volcanic disasters, and (3) research into closely related disciplines, such as igneous geochemistry and petrology, geochronology, volcanogenic mineral deposits, and the physics of the generation and ascent of magmas in the upper mantle and crust.*

### International Union of Geodesy and Geophysics (IUGG)

*The international organization dedicated to advancing, promoting, and communicating knowledge of the Earth system, its space environment, and the dynamical processes causing change.*

### The Geological Society's Special Interest Groups

*Linking to the Societies Professional and Scientific Interest Groups (PSIGs), including the VMSG, and other Affiliated Groups.*

## Online Resources

### IAVCEI's Early-Career Researchers Network (ECR Net)

*A global group of volcanology researchers dedicated to connecting Early-Career Researchers in volcanology and related subdisciplines worldwide, and providing them with useful resources for career development.*



### **Centre for Observation and Modelling of Earthquakes, Volcanoes and Tectonics (COMET)**

COMET uses satellite measurements alongside ground-based observations and geophysical models to study earthquakes and volcanoes, and help understand the hazards they pose. On their website COMET hosts a series of satellite derived datasets, services and portals. They also offer a series of webinars and training workshops.

### **European Catalogue of Volcanoes and Volcanic Areas (EUROVOLC)**

An interactive webpage which gives access to detailed information about forty-seven (47) volcanoes belonging to and/or which are monitored by European countries.

### **Seismology Tutorials: IAPSEI/IAVCEI Joint Commission on Volcano Seismology**

A series of online exercise and tutorials aimed at graduate level students of seismology.

### **Smithsonian Global Volcanism Program (GVP)**

A free online resource devoted to a better understanding of Earth's active volcanoes and their eruptions during the last 10,000 years. The mission of GVP is to document, understand, and disseminate information about global volcanic activity. We do this through four core functions: reporting, archiving, research, and outreach.

### **vHUB**

A free online resource for collaboration in volcanology research and risk mitigation. It provides easy mechanisms for sharing tools to model volcanic processes and analyse volcano data, to share resources including teaching materials and workshops, and to communicate with other members of the volcanology community and with members of the educational and stakeholder communities.

### **Volcanic Ash Advisory Centers (VAACs)**

An online hub aiming to keep the aviation community informed of volcanic hazards. Nine VAACs are tasked with monitoring the movement of volcanic ash within their assigned airspace.

### **Volcano Global Risk Identification and Analysis Project (VOGRIPA)**

An online resource aiming to provide systematic information on global volcanic activity, hazards and vulnerability that can be analysed to identify locations at high risk from volcanism and gaps in knowledge about hazards and risk. Includes the [Large Magnitude Explosive Volcanic Eruptions \(LaMEVE\)](#) database.



## Commissions of IAVCEI

### Commission on the Chemistry of Volcanic Gases (CCVG)

*Founded as a forum for the intercomparison of results obtained from direct sampling of fumarolic gases.*

### Commission on Cities and Volcanoes (CaV)

*Has a mission to provide a linkage between the volcanology community and emergency managers, to serve as a conduit for exchange of ideas and experience between “volcano cities”, and promote multi-disciplinary applied research, involving the collaboration of physical and social scientists and city officials.*

### Commission on Collapse Calderas (CCC)

*Covers a wide spectrum of research topics and fosters common interests in research on collapse calderas such as geology, geophysics, numerical and analogue modelling, magma chamber processes, hazard assessment and risk management as well as economic and environmental aspects.*

### Commission on Explosive Volcanism (CEV)

*The primary aims are to foster modern, process-oriented studies of pyroclastic rocks, to encourage communication between scientists from the various branches of research directed to such studies, to provide input into other areas such as volcanic hazards and atmospheric impacts, and to promote interest in explosive volcanism and its products.*

### International Heat Flow Commission (IHFC)

*A joint commission of the International Association of Seismology and Physics of the Earth’s Interior (IASPEI), IAVCEI and the International Association of the Physical Sciences of the Ocean (IASPO). The Objectives of IHFC are to promote either alone or in co-operation with other international scientific organizations all aspects of geothermal research as they pertain to the missions of the parent and co-sponsoring associations.*

### The International Volcanic Health Hazard Network (IVHHN)

*An umbrella organisation for all research and dissemination of information on volcanic health hazards and impacts.*

### Commission on Large Igneous Provinces (LIPs)

*Established to promote interest in large igneous provinces, encourage research, and foster global collaboration among earth scientists.*

### Commission on Monogenetic Volcanism (CMV)

*Aiming to provide a forum for researchers to define and understand the phenomenon of small volume magmatic systems and their surface expression as volcano fields.*



### **Commission on Physics and Chemistry of Earth Materials**

*A joint commission of IAVCEI and IASPEI whose scope is to organise symposia at quadrennial IUGG meetings and the intervening assemblies of IAVCEI and IASPEI.*

### **Commission on Statistics in Volcanology (COSIV)**

*Established to foster statistical analysis of volcanological data. Promoting the application of statistics to all aspects of analysis of volcanological data, but with particular regard to the forecasting of future volcanic activity and its potential effects.*

### **Commission on Submarine Volcanism (CoSV)**

*Within marine geoscience, CoSV reaches across many disciplines including physical volcanology, igneous petrology, isotope geochemistry, seismology, acoustics, seismic surveying, bathymetry and geomorphology, structural geology, and sedimentology. Beyond the geosciences, CoSV crosses into disciplines of marine biology and ecology, physical and chemical oceanography, remote sensing, and natural hazards.*

### **Commission on Tephra Hazard Modelling (TMH)**

*Aiming to improve quantitative understanding of tephra hazards using numerical models and field data.*

### **Commission on Tephrochronology (COT)**

*Committed to mapping, characterising, correlating, dating/age modelling and constructing stratigraphy of tephra deposits, alongside building regional and global databases of high-quality mineral, geochemical and other data for tephra and crypto-tephra deposits.*

### **Joint Tsunami Commission**

*A commission jointly sponsored by IASPEI, IAVCEI and the International Association for the Physical Sciences of Oceans (IAPSO), to promote the exchange of scientific and technical information about tsunamis among nations concerned with the tsunami hazard.*

### **Commission on Volcanic Hazard and Risk (CVHR)**

*Dedicated to applied volcanology, a key realm of volcanology that occupies the front line between academic research and governmental organizations that are responsible for decision-making and policy processes that reduce the impact of volcanic hazards on society.*

### **Commission on Volcanic Lakes (CVL)**

*Connecting researchers that seek to understand how volcanic lakes relate to volcanic activity and their hazards.*

### **Volcanic and Igneous Plumbing Systems Commission (VIPS)**

*Providing a forum for volcanic and igneous plumbing system research beyond disciplinary or methodological boundaries to foster an integrated understanding of magma transport and storage in the crust.*



### **Commission on Volcano Geodesy**

*Helping to organize the diverse community and promote a better understanding of magmatic processes through geodesy.*

### **Commission on Volcano Geology**

*Fosters common interests in research on all sedimentological aspects of volcanic phenomena, including the genesis, transport, deposition and diagenesis of volcanogenic sediments.*

### **Commission on Volcano Seismology**

*A joint IASPEI and IAVCEI commission aiming to provide a hub for students and academics in volcano seismology.*

### **IGA/IASPEI/IAVCEI Working Group on Electromagnetic Studies of Earthquakes and Volcanoes (EMSEV)**

*A joint IASPEI, IAVCEI and the International Association of Geomagnetism and Aeronomy (IGA) working group, whose main purpose it to a) promote co-operation and collaboration between individuals and research groups, internationally, on observations and research into electric and magnetic effects associated with earthquakes and volcanoes and b) promote the dissemination and discussion of relevant data and research results.*

### **IASPEI/IAVCEI Working Group on Subduction Zones Located in Developing Countries**

*A joint IASPEI and IAVCEI working group aiming to encourage scientists from the developing countries in Southeast Asia, the Pacific and South America to investigate and (better) understand the Earth system beneath their countries, with the aim of providing an effective scientific basis for minimising the impact of seismic and volcanic hazards.*

