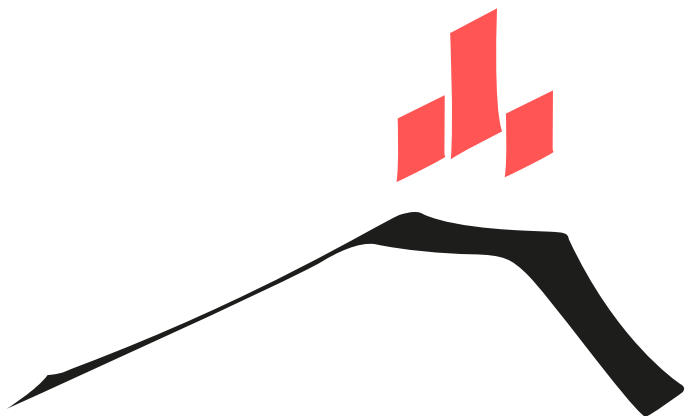


1.1.3 IAVCEI Commission on Statistics in Volcanology (COSIV)



The IAVCEI Commission on Statistics in Volcanology (COSIV) was established in 2007 to foster statistical analysis of volcanological data. It was initially led by Chuck Connor and Heidi Mader, after the successful international workshop on 'Statistics in Volcanology' that was attended by ca. 70 people at the University of Bristol in March 2004. Since then, the COSIV has been active for 18 years, has had eleven leaders, and currently has about a hundred active members.

Notably, the 2004 workshop led directly to the publication of the first research-level textbook on 'Statistics in Volcanology' and the first volume of the new IAVCEI book series, followed by the Scientific Journal "Statistics in Volcanology", currently active and specialized in the topics of the commission (<http://scholarcommons.usf.edu/siv/>).

During the IAVCEI Scientific Assembly in Geneva, the COSIV leadership board was renewed: Andrea Bevilacqua (Italy) was elected as the new leader and Stuart Mead (NZ) as the new Secretary. Shortly after its election, the new leadership devoted significant effort to building a better COSIV website (<https://cosiv.iavceivolcano.org/>). The renewed website now contains links to our newsletters; information on the current board and the past leaders; a full list of active members; a link to our subscription form (<https://forms.gle/zw3BxyJSuV8w5NPS7>).

In fact, an important long-term objective of the COSIV is to maintain a vibrant and "fresh" membership, by actively attracting Early Career Researchers (ECR). This growth will be achieved while preserving the commission's specialized focus and its essential multidisciplinary nature, bridging the gap between Earth Sciences, Mathematics, Statistics, and Engineering. The commission will welcome all the IAVCEI members that are interested in its topics.

Traditionally, the COSIV sponsors sessions in the IAVCEI Scientific Assemblies, including the recent IAVCEI 2025 in Geneva (Switzerland), the IAVCEI 2023 in Rotorua (New Zealand), and the IAVCEI 2017 in Portland (OR, USA), which also hosted two COSIV-led workshops. The commission has

been continuously present in the past Cities on Volcanoes meetings and in the IUGG-hosted IAVCEI General Assemblies. In particular, as part of the future IUGG 2027 in Incheon (South Korea), the COSIV recently proposed a scientific session titled "**Probability Analysis of Volcanic Hazards and Implications for Risk Assessment**", in collaboration with the IAVCEI Commission on Volcanic Hazard and Risk (CVHR). The COSIV invites the interested IAVCEI members to keep an eye on this initiative.

Another important initiative for the coming year is to set up the framework of a new COSIV workshop. This was strongly encouraged by the COSIV members during the commission meeting in Geneva. The leadership collected first suggestions regarding both the practical arrangements for such a workshop and a list of possible scientific topics. In terms of logistics, there was an agreement to base the workshop in Italy. The commission is going to update its members about the advances in the workshop organization.

In March 2026 the COSIV leadership board consists of:

- **Leader: Andrea BEVILACQUA**
(INGV, Sezione di Pisa, ITALY)
- **Secretary: Stuart MEAD**
(Massey University, NEW ZEALAND)
- **Leader ex-officio: Susanna JENKINS**
(Nanyang Technological University, SINGAPORE)
- **EDI Officer, ECR Representative: Vanesa BURGOS**
(Instituto Geográfico Nacional, SPAIN)
- **Webmaster: Alessandro TADINI**
(INGV, Sezione di Pisa, ITALY).



The COSIV leadership board: (left to right) top row: Andrea, Stuart, Vanesa. Bottom row: Susanna, Alessandro.

Andrea Bevilacqua
INGV Pisa, Italy