

Pre-conference Workshops

Sunday 11/02/2024 - Half day (9 am – 1 pm)

Hotel Porta

Pre-1: Best practices for making the most of UAVs at volcanoes: from science and monitoring, to art

English / Participants: 15 – 20 / Cost: 10 US\$

UAVs are commonly used in the volcano science community for mapping and making scientific measurements and they have been increasingly used by observatories for monitoring purposes. They are also an incredibly powerful tool for film, still photography, and provide spectacular imagery to the public. This workshop seeks to engage diverse members of the volcano community to talk about benefits, strategies, and concerns associated with flying drones at volcanoes. We welcome broad participation from individuals with experience in the field and those interested in beginning a program involving UAVs.

Suggested topics include:

- Getting started with UAVs: how to fly, regulations, and hands-on practicum.
- State of the art: what equipment is being used in the field with pros and cons.
- Volcano monitoring with drones, strategies, and next steps.
- Hardware and software tips and tutorials.
- Collaborations opportunities moving forward.

As part of this workshop, we will demonstrate topographic reconstruction of volcanic phenomena from Fuego Volcano using drone-based photogrammetry (structure from motion).

Workshop organizers

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