The Copahue Volcano as a Natural Laboratory for Improving High-Temporal-Resolution Volcanic Monitoring Techniques

Google Meet

Thursday, May 15, 2025

UNRN | Universidad Nacional de Río Negro
General Roca, Argentina
All times in
GMT-3, Argentina

CONICET · Universidad Nacional de Río Negro · I I P G · lesva · Laboratorio de Estudio y Seguimiento de Volcanes Activos · Panormitanæ Studiorum Universitatis Sigillum · DiSTeM Dipartimento di Scienze della Terra e del Mare · Universitas Studii Taurinensis 1404 · Dipartimento di Scienze della Terra

08:00	Institutional greetings and introduction	Alberto Caselli - João Lages
08:15	CUIA - aims and scope	Alberto Renzulli

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Fundamental Scientific Concepts and Theoretical Frameworks

08:40	The Quaternary eruptive history of Copahue volcano	Alberto Caselli
09:00	Volcanic gas monitoring: where we are and where we're headed	Alessandro Aiuppa
09:20	Thermal remote sensing of volcanic activity	Diego Coppola

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Case Studies and Data Analysis

10:00	MultiGAS data for monitoring slow unrest at Andesitic Volcanoes	João Lages
10:20	Monitoring Low-Temperature volcanic emissions (TIRVolcH)	Simone Aveni
10:40	Monitoring High-Temperature volcanic emissions (MIROVA)	Adele Campus

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Copahue: Insights from longterm timeseries analysis

11:15	Volcanic gas monitoring at Copahue using the MultiGAS	Sara Pereira
11:35	Ten Years of satellite-based thermal emissions of Copahue Volcano	Marco Laiolo
11:55	SO_2 Emissions from Copahue (2021–2022): Analysis using TROPOMI satellite observations and HYSPLIT Modeling	Paula Paez
12:15	**CUIA-CONICET UNJU-UNIFI Project** Medium to Low Enthalpy Geothermal Exploration in Jujuy Province, Argentina	Yésica Peralta Arnold

---------- Lunch break ----------

13:30

Group discussion
Toward a Unified Framework for Interpreting Volcanic Unrest: Cross-Disciplinary Observations from Copahue

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