Schedule of talks and posters

IAVCEI 2025 – Geneva (29th June – 4th July)

27th June 2025 (version 3)

This booklet contains all abstracts titles and programme numbers ordered by location (S150,S160, R280, R290, R380, Poster Hall) and day. The time of the presentation is in bold. The update to version 2 identifies all abstracts that have been withdrawn at the last minute.

Room S150 : Monday - 30.06.25

08:30 - 08:45: 3.1.1 - A petrologist's walk through the forest of machine learning [Corin Jorgenson]

08:45 - 09:00: 3.1.2 - Impact of volcanic SO2-rich plumes on vegetation health [Megan Udy]

09:00 - 09:15: 3.1.3 - Colonization of basaltic lava by lichens at Fagradalsfjall volcano (Iceland) imaged using drone-based hyperspectral remote sensing [Eva Wickert]

09:15 - 09:30: 3.1.4 - Graph Neural Network based elastic deformation emulators for magmatic reservoirs of complex geometries [Taiyi Wang]

09:30 - 09:45: 3.1.5 - An ICA-based detection of volcanic deformation using InSAR data in Ontake volcano, Japan [Yutaro Shigemitsu]

09:45 - 10:00: 3.1.6 - Mitigating Atmospheric Noise in InSAR Displacement Time-series using a Convolutional Neural Network Machine Learning Model [Rebecca Bussard]

10:30 - 10:45: 3.1.7 - A Cutting-Edge AI Approach for Ground Deformation Modelling [Martina Allegra]

10:45 - 11:00: 3.1.8 - Detection of seismic phases on Distributed Acoustic Sensing (DAS) using the Discrete Cosine Transform (DCT). [Rubén García-Hernández]

11:00 - 11:15: 3.1.9 - Leveraging Machine Learning for Improved Earthquake Location: A Case Study from Mayotte [Léonard Seydoux]

11:15 - 11:30: 3.1.12 - Lessons Learned from a Community-Driven Workshop to Define Best Practices for Unoccupied Aerial Systems (UAS) Use in Volcanology. [Mel Rodgers]

14:15 - 14:30: 3.6.1 - Syn-eruptive conduit processes during basaltic-andesite to dacite Plinian eruption of Raung volcano, East Java, Indonesia: insight from the textural studies of pumice and scoria [Mradipta Lintang Alifcanta Moktikanana]

14:30 - 14:45: 3.6.2 - Explosive eruption column dynamics for crystal-rich magmas [Greg Valentine]

14:45 - 15:00: 3.6.3 - Nucleation of gas bubbles triggered by shear in magmas: an experimental approach [Olivier Roche]

15:00 - 15:15: 3.6.4 - Interactions between bubbles and crystals: why is it so important for eruptive dynamics ? [Marielle Collombet]

15:45 - 16:00: 3.6.5 - The explosive eruption of carbonatite and associated pyroclast textures [Chiedozie Ogbuagu]

16:00 - 16:15: 3.6.6 - Extensional Rheology of Crystalline Magma [Angela Tatsch]

16:15 - 16:30: 3.6.7 - Predicting Bubble Number Density in Magma [Patrick Sullivan]

Room S150 : Tuesday - 01.07.25

08:30 - 08:45: 3.13.1 - TephATA: A Tephrostratigraphic Framework for the Atacama Desert and its Application on Regional Sedimentary Archives [Niklas Leicher]

08:45 - 09:00: 3.13.2 - Morphological, textural and geochemical analysis of volcanic fallout trapped in proximal marine sequences: towards the identification of new submarine eruptions in Mayotte? [Lola-Lou Baudry]

09:00 - 09:15: 3.13.3 - Constraints on the timing of East Asian explosive volcanism: insights from cryptotephra deposits preserved in marine and lacustrine archives [Paul Albert]

09:15 - 09:30: 3.13.4 - Reconstructing the eruptive activity of Mount Melbourne in northern Victoria Land (Antarctica), characterization of englacial tephra deposits from the southwest flank [Giulia Fisauli]

09:30 - 09:45: 3.13.5 - High-resolution stratigraphy and 40Ar/39Ar geochronology of the Ileret Tuff Complex, Omo-Turkana Basin [Ashley Savelkouls]

09:45 - 10:00: 3.13.6 - Erupt-spread-emplace-modify: Fate and weight of the Carpathian-Pannonian Region silicic volcanism during Early and Middle Miocene [Mihovil Brlek]

10:30 - 10:45: 3.2.1 - Decadal patterns of pre-eruptive pressure and temperature at Mt Etna from machine learning thermobarometry [Martín Miranda-Muruzábal]

10:45 - 11:00: 3.2.2 - Eruptive dynamics during open-vent andesitic eruptions retrieved from petrological and componentry analysis of Sangay volcano (Ecuador) [Nicole Vizuete]

11:00 - 11:15: 3.2.3 - WITHDRAWN -Magma ascent dynamics and its control on compositional diversity of volcanism across tectonic settings [Kai Zhao]

11:15 - 11:30: 3.2.4 - Experimental insights into crystal resorption and growth: significance for mush maturation [Martin Mangler]

14:15 - 14:30: 3.2.5 - Analysis of iron oxidation state across explosive and effusive eruption products to determine the behaviour of degassing and fragmentation at Tūhua and Tambora. [Frankie Haywood]

14:30 - 14:45: 3.2.6 - Sintering of vesiculating and diffusively outgassing pyroclasts in the presence of crystals [Julia Schunke]

14:45 - 15:00: 3.2.7 - WITHDRAWN -Numerical Investigation of Magma Ascent in Volcanic Conduits: A 3D FEM Approach [Emanuele Caruso]

15:00 - 15:15: 3.2.8 - In-flight fragmentation dynamics in explosive eruptions of low-viscosity magmas [Clothilde Biensan]

15:45 - 16:00: 3.2.9 - Variable genesis, storage, mingling, and decompression of andesitic magma in shallow reservoirs drive contrasting pyroclastic density currents at Volcán de Colima, Mexico [Rafael Torres-Orozco]

16:00 - 16:15: 3.2.10 - Unravelling the effects of volatile resorption on eruption onset in large silicic systems [Franziska Keller]

16:15 - 16:30: 3.2.11 - Volatile contents and quenching conditions during the 2021-2022 eruption of Hunga volcano, Tonga [Mila Huebsch]

Room S150 : Thursday - 03.07.25

08:30 - 08:45: 1.1.1 - Optimization of lithium diffusion modelling in plagioclase: implications for pre-eruptive timescales assessment [Simone Costa]

08:45 - 09:00: 1.1.2 - Harnessing X-ray microtomography and 3D diffusion models to constrain magmatic timescales in complex crystals [Adrien Mourey]

09:00 - 09:15: 1.1.3 - Exploration of melt inclusion geometry, entrapment and post-entrapment processes in 3D using X-Ray and diffraction computed tomography [Bridie Verity Davies]

09:15 - 09:30: 1.1.4 - Can halogen contents of olivine-hosted melt inclusions track time-dependent sampling of mantle heterogeneities during single eruptions? [Roxane Buso]

09:30 - 09:45: 1.1.5 - The origin of high-Ni olivines in Mexican arc magmas revisited with new temperature constraints from olivine-spinel aluminum exchange thermometry [Susanne M Straub]

09:45 - 10:00: 1.1.6 - Unlocking the H2O archive in plagioclase: experimental plagioclase – dacite melt H2O partitioning at crustal conditions [Manuel Pimenta Silva]

10:30 - 10:45: 1.1.7 - Pressure-temperature-volatile contents variability of magmas feeding caldera-forming eruptions at Toba volcano [Weiran Li]

10:45 - 11:00: 1.1.8 - Bubbly melt trapped in Youngest Toba Tuff quartz reveals pre-eruptive magma vesicularity, compressibility, and why the eruption was so big [Tyler Cadena]

11:00 - 11:15: 1.1.9 - Unlocking Volatile Budgets and Saturation States in Eruptions of Varying Magnitude: Insights from Apatite at Santorini, Greece [David Colby]

11:15 - 11:30: 1.1.10 - Missing atmospheric sulfur in the 15 January 2022 Hunga eruption and implications for completeness of paleoclimate-volcanic records [Jie Wu]

14:15 - 14:30: 1.9.1 - 4D crystallisation and dissolution kinetics in hydrous basaltic magmas: implications for dynamics of volcanic processes [Fabio Arzilli]

14:30 - 14:45: 1.9.2 - Provenance of Deformed Olivine in Kīlauea's Summit and Lower East Rift Zone Eruptions. [Christina Cauley]

14:45 - 15:00: 1.9.3 - Widespread and abundant interstitial silicic glasses in tholeiitic dykes of the Konkan Plain, western Deccan Traps: implications for silicic magma genesis in continental flood basalt provinces [B ASTHA]

15:00 - 15:15: 1.9.4 - The effect of crystal shape and growth history on fabric and permeability of magma mush [Brenna Halverson]

15:45 - 16:00: 1.9.5 - The magma mushes and pre-eruptive magma bodies of the Bishop Tuff [Guil Gualda]

16:00 - 16:15: 1.9.6 - How to emplace your rhyolite: Mechanisms for rhyolitic dike emplacement from field observations and microtextural analysis at Summer Coon volcano, Colorado, USA [Gui Aksit]

16:15 - 16:30: 1.9.7 - Origin of Silicic Magmatism at the Katla Volcanic Complex, South Iceland [Valentin Troll]

Room S150 : Friday - 04.07.25

08:30 - 08:45: 6.8.1 - Monitoring the impacts of methane extraction on the stability of stratification in Lake Kivu [Martin Schmid]

08:45 - 09:00: 6.8.2 - Recent changes in hydrothermal dynamics at the Boiling Lake, Dominica: Implications for Instability, Gas Release, and Volcanic Hazards [Erouscilla Joseph]

09:00 - 09:15: 6.8.3 - What is causing the El Chichón crater lake non-seasonal large-size variations? [María Aurora Armienta]

09:15 - 09:30: 6.8.4 - Quantitative evaluation of temporal changes in subaqueous hydrothermal activity in active crater lakes during unrest: Time-series analyses of lake chemistry [Akihiko Terada]

09:30 - 09:45: 6.8.5 - Enhancing Satellite-Based Volcanic Lakes Monitoring with the VRPTIR: A Novel Approach to Quantifying Radiative Power using Thermal InfraRed (TIR) Data [Simone Aveni]

09:45 - 10:00: 6.8.6 - Modeling and observing the dynamics of Lake Albano: present state and potential hazards under global warming future scenarios [Anita Grezio]

10:30 - 10:45: 3.17.1 - Stable open vent behaviour sustained over decades at Mt Michael, South Sandwich Islands, revealed by in situ and satellite observations [Emma Nicholson]

10:45 - 11:00: 3.17.2 - Tremor amplitude associated with boiling lava pond activity during the 2021 Geldingadalir eruption [Alea Joachim]

11:00 - 11:15: 3.17.3 - How may syneruptive cone collapse modify the eruption column in basaltic eruptions? [Simona Scollo]

11:15 - 11:30: 3.17.4 - Variability of the Villarrica volcano lava lake from the analysis of high-resolution satellite images and its relationship with instrumental parameters [Gabriela Pedreros]

14:15 - 14:30: 3.17.5 - Acoustic imaging of volcanic gas migration and degassing beneath Laacher See [Stijn Albers]

14:30 - 14:45: 3.17.6 - Escalating sulphur in the Campi Flegrei fumaroles marks a step change in caldera unrest. [Alessandro Aiuppa]

14:45 - 15:00: 3.17.7 - Volatiles, crustal storage depths, and degassing of alkalic, CO2-rich magmas at Nyiragongo and Nyamulagira Volcanoes, Democratic Republic of the Congo [Paul Wallace]

15:00 - 15:15: 3.17.8 - Enhanced Monitoring of Volcanic Emissions with the Geostationary UV Satellite Constellation [Simon Carn]

15:45 - 16:00: 3.17.9 - VOLCPLUME, an interactive open access web platform for the multiscale monitoring of volcanic emissions and their impacts on the atmosphere [Marie Boichu]

16:00 - 16:15: 3.17.10 - Quantifying daily volcanic SO2 emissions on a global scale with TROPOMI and PlumeTraj [Ben Esse]

16:15 - 16:30: 3.17.11 - Results and reflections from a network of low-cost permanent ultraviolet cameras for sulphur dioxide measurements [Tom Pering]

Room S160 : Monday - 30.06.25

08:30 - 08:45: 2.4.1 - The continuous volcanic activity at Semeru volcano (Indonesia) from 2014 to 2023 investigated with remote sensing data (SAR, thermal and optical) and geodetic modelling. [Federico Galetto]

08:45 - 09:00: 2.4.2 - Using remote sensing techniques to analyze physical dynamics and paroxysmal precursors during the 2019–2020 and 2023 eruptions at Shishaldin Volcano, Alaska [Andrea Gomez-Patron]

09:00 - 09:15: 2.4.3 - Periodic dike intrusions in Kīlauea's middle East Rift Zone continue post-2018 [Kyle Anderson]

09:15 - 09:30: 2.4.4 - Seasonal Control on Phreatic Activity of the Crater Lake of Copahue Volcano During the 2018-2022 Eruptive Cycle [Sebastian Garcia]

09:30 - 09:45: 2.4.5 - The July, 2024 Hydrothermal Explosion at Black Diamond Pool in Yellowstone National Park: The Scientific Response and What We've Learned [Jamie Farrell]

09:45 - 10:00: 2.4.6 - Exploring multiparametric data analyses to study volcanic activity at Stromboli from 2016 to 2024 [Alexander Garcia]

10:30 - 10:45: 2.4.7 - Using a Damage Approach to Model Pre-Eruptive Surface Displacements and Help Forecast Volcanic Eruptions [Jean-Luc GOT]

10:45 - 11:00: 2.4.8 - Probabilistic forecast of Vulcanian explosions at Sakurajima volcano using statistical features of ground deformation [Kyoka Ishii]

11:00 - 11:15: 2.4.9 - Identifying dike propagation patterns at Mount Etna through forward-modelling and AI-powered ground deformation inversions [Rebecca Bruni]

11:15 - 11:30: 2.4.10 - Optimising timescales for machine learning-based eruption forecasting: Insights from Miyakejima Volcano, Japan [Julie De Groote]

14:15 - 14:30: 2.4.11 - Lessons learned from near real-time monitoring of volcanic unrest and dike propagation/eruption forecasting in Iceland [Vincent Drouin]

14:30 - 14:45: 2.4.12 - Temporal Evolution of Crustal Stress and Seismicity at Volcanoes During Periods of Unrest [Eric Newland]

14:45 - 15:00: 2.4.13 - Using Low-frequency DAS Signals for Early Warning During the Sundhnúksgígur, Iceland, Eruptions in 2024 Authors/Affiliations [Vala Hjorleifsdottir]

15:00 - 15:15: 2.4.14 - Progress in short-term eruption forecasts by the USGS-USAID Volcano Disaster Assistance Program (VDAP) [Jacob Lowenstern]

15:45 - 16:00: 3.16.1 - Origin of Basaltic Subplinian Eruption at Shishaldin Volcano (Alaska): A Vigorously Degassing Magma Reservoir Hosting Small Bubbles [Sylvie Vergniolle]

16:00 - 16:15: 3.16.2 - Outgassing behaviour during highly explosive basaltic eruptions [Emily Charlotte Bamber]

16:15 - 16:30: 3.16.3 - Fault reactivation in extensional regime controlling magma pathways: insights from analogue modelling [Elisabetta Panza]

Room S160 : Tuesday - 01.07.25

08:30 - 08:45: 5.1.1 - Iron Sharpens Iron: Using Hydrothermal Alteration Data from Crystalline Basement to Illuminate Modern Sub-Volcanic Geothermal Reservoirs [Alan Bischoff]

08:45 - 09:00: 5.1.2 - State of Knowledge regarding the State of Hawaii's Geothermal and Carbon Storage Resources (USA) [Nicole Lautze]

09:00 - 09:15: 5.1.3 - Controls on the Southern Andean Nevados de Chillán Geothermal System [John Browning]

09:15 - 09:30: 5.1.4 - Seismicity patterns and their source regions at Krafla (N-E Iceland) [Elisabeth Glück]

09:30 - 09:45: 5.1.5 - Subsurface imaging of the Great Sumatra Fault and Mount Kerinci (Indonesia) using Nodal Ambient Noise Tomography [Elliot Amir Jiwani-Brown]

09:45 - 10:00: 5.1.6 - Tracing hydrogeochemical processes in the mineral waters of Furnas volcano [Letícia Ferreira]

10:30 - 10:45: 1.4.1 - Detecting Volcanic Activity on Venus through Magellan Radar Observations [Davide Sulcanese]

10:45 - 11:00: 1.4.2 - Volcanic activity and its related subsurface magma-feeding system in Central Elysium Planitia, Mars [Rina Noguchi]

11:00 - 11:15: 1.4.3 - Influence of lava flows on the global evolution of Venus [Diogo Lourenço]

11:15 - 11:30: 1.4.4 - New science results about extremely active volcanism on Jupiter’s moon Io: Implications for future exploration [Alfred McEwen]

14:15 - 14:30: 4.1.1 - Lithium in volcano-sedimentary deposits: an overview [Francesco Putzolu]

14:30 - 14:45: 4.1.2 - A potential reserve of critical raw materials in the Sabatini geothermal field, Italy [Francesca Godono]

14:45 - 15:00: 4.1.3 - Magma recharge processes in continental flood basalt reservoirs: Evidence from the 1.27 Ga Coppermine River Group, Nunavut, Canada [Marie-Claude Williamson]

15:00 - 15:15: 4.1.4 - Key new insights into controls on magmatic ore fertility through melt inclusions at the Parinacota volcano [Iván Mateo Espinel Pachón]

15:45 - 16:00: 4.1.5 - Rapid ascent of volatile-charged magma associated with porphyry Cu deposits: Models and crystal textures [Alison Rust]

16:00 - 16:15: 4.1.6 - Contrasting Timescales of Volatile Degassing from Hydrous Magmas in Porphyry Copper Systems [Yulia Gruzdeva]

16:15 - 16:30: 4.1.7 - Volcanoes as windows into metal processing pathways in the crust [Marie Edmonds]

Room S160 : Thursday - 03.07.25

08:30 - 08:45: 3.12.1 - Plume dynamics and source parameters of the Veiðivötn 1477CE basaltic Plinian eruption retrieved from field work and plume modelling [Méline Payet–Clerc]

08:45 - 09:00: 3.12.2 - Investigating the impact of atmospheric conditions, ash aggregation and turbulence on volcanic cloud spreading and particle settling [Riccardo Simionato]

09:00 - 09:15: 3.12.3 - A tephra transport and dispersion model considering volcanic ash fingers [Kosei Takishita]

09:15 - 09:30: 3.12.4 - Comparing and evaluating two one-dimensional volcanic plume models using the Independent Volcanic Eruption Source Parameter Archive (IVESPA) database. [Titouan Renaud]

09:30 - 09:45: 3.12.5 - Eruption column ascent rates obtained using the Advanced Baseline Imager for the La Soufrière eruption in April 2021 [Isabelle Taylor]

09:45 - 10:00: 3.12.6 - Entrainment parameterization for volcanic plumes with pulsating source parameters [Johan Gilchrist]

10:30 - 10:45: 3.14.1 - Gas-driven sudden explosive eruptions: characteristics, precursors, and forecasting [John Stix]

10:45 - 11:00: 3.14.2 - A decade of multi-parametric monitoring at Poás volcano, Costa Rica: Phreatic eruptions and Hydrothermal-magmatic interactions [Maarten de Moor]

11:00 - 11:15: 3.14.3 - Degassing Mechanisms: Rincón de la Vieja volcano, Costa Rica [Jessica Salas Navarro]

11:15 - 11:30: 3.14.4 - Hydrothermal mineralisation prior to gas-driven eruptions: mineral seal formation constrained using flow-through experiments [Geoff Kilgour]

14:15 - 14:30: 3.7.1 - Monogenetic, polycyclic, and polygenetic small-scale volcanoes in Central Mexico: examples of transitional eruptive styles [Gerardo Carrasco]

14:30 - 14:45: 3.7.2 - Investigating the ancient eruption histories of the pre-caldera Vitafumo and Miliscola monogenetic volcanoes (southwestern sector of Campi Flegrei, Italy) [Ileana Santangelo]

14:45 - 15:00: 3.7.3 - Spectrum of magma sediment interactions intensity related to sediment properties and water confinement [Ivana Torres Ewert]

15:00 - 15:15: 3.7.4 - Morphometric Analysis of Scoria Cones in Kula Volcanic Field (western Anatolia, Türkiye) Using Elliptic Fourier Descriptors and Fractal Dimension Metrics [Gonca Gençalioğlu Kuşcu]

15:45 - 16:00: 3.7.5 - Small-scale phreatomagmatic eruptions as precursors of larger caldera-forming eruptions: Insights from Acigöl caldera, Central Anatolia (Turkey) [Ivan Sunye Puchol]

16:00 - 16:15: 3.7.6 - Constraints from source to surface: using Sr-Nd isotopes and olivine diffusion timescales in the Fui Group small eruptive centres (Chilean Andes) [Francisca Mallea-Lillo]

16:15 - 16:30: 3.7.7 - Small Domes, Big Picture: magmatic signatures across the slab tear in central Colombia [Lydia Harmon]

Room S160 : Friday - 04.07.25

08:30 - 08:45: 6.7.1 - Are cities becoming increasingly threatened by volcanic hazards? [Elinor Meredith]

08:45 - 09:00: 6.7.2 - Probabilistic volcanic hazard and impact assessment of the Auckland Volcanic Field, Aotearoa New Zealand [James H Williams]

09:00 - 09:15: 6.7.3 - Quantifying cascading impacts through road network analysis in an insular volcanic setting: the 2021 Tajogaite eruption of La Palma Island (Spain) [Lucia Dominguez]

09:15 - 09:30: 6.7.4 - Forecasting tephra impacts during the 2024 unrest at Awu volcano, North Sulawesi, Indonesia [Eleanor Tennant]

09:30 - 09:45: 6.7.5 - Combining agricultural production sensitivity and farming practices paves the way for comprehensive volcanic risk analysis [Sophie Malherbe]

09:45 - 10:00: 6.7.6 - The complex and often contradictory realities of the red zone; three cases around Fuego Volcano, Guatemala. [Eliza Calder]

10:30 - 10:45: 2.1.4 - Bubbling Waters – What hydroacoustics can tell us about volcanic gas emissions [Ben Roche]

10:45 - 11:00: 2.1.5 - Waveform inversion of acoustic-gravity waves during the 2023 eruption of Shishaldin volcano, Alaska [Matthew Haney]

11:00 - 11:15: 2.1.6 - Detecting and Classifying Volcano Seismicity using a Generalized Deep Learning Model [David Fee]

11:15 - 11:30: 2.1.7 - How can we constrain connections between volcanic seismic signals and eruptive behaviour at Mt Etna? [Jade Eyles]

14:15 - 14:30: 2.1.8 - Spectral Line Variability in Volcanic Tremor as a Proxy for Subsurface Changes: Observations from Etna Volcano [Alexander Yates]

14:30 - 14:45: 2.1.9 - Understanding Vulcanian Eruptions Through Seismograms Obtained From Unsteady Conduit Flow Models [Mario Ruiz]

14:45 - 15:00: 2.1.10 - Analysis and modeling of Deep Long Period volcanic earthquakes to illuminate the roots of magmatic-plumbing systems beneath the active volcanoes [Nikolai Shapiro]

15:00 - 15:15: 2.1.11 - Tracking Volcanic State Transitions Through Seismic Velocity Changes: Insights from Askja, Aso, and Gareloi Volcanoes [Laure Brenot]

15:45 - 16:00: 2.1.12 - How does a dike open? Insight from seismic source modelling of the earthquakes preceding the 2021 Tajogaite eruption (La Palma, Canary Islands). [Luca D'Auria]

16:00 - 16:15: 2.1.13 - A New Perspective on Earthquake Triggering of Volcanic Unrest [Stephanie Prejean]

16:15 - 16:30: 2.1.14 - A Novel Framework for Magma Supply Rate and Depth Controls on Volcanic Earthquake Magnitudes [Diana Roman]

Room R280 : Monday - 30.06.25

08:30 - 08:45: 1.2.1 - Protracted assembly of the magmas feeding the 1783-84 Laki fissure eruption, Iceland [Euan Mutch]

08:45 - 09:00: 1.2.2 - The fluid dynamics of magma mingling and mixing during dyke propagation and eruption: Insights from analogue experiments [Tegan Havard]

09:00 - 09:15: 1.2.3 - Kinetics of mafic magma transfer and destabilization of the deep plumbing system in monogenetic volcanic provinces (Chaîne des Puys, France). [Thomas Pereira]

09:15 - 09:30: 1.2.4 - Complex plumbing and conduit control on the eruptions of the last 30 years at Popocatepetl Mexico revealed by multiparameter monitoring [Ana Lillian Martin]

09:30 - 09:45: 1.2.5 - Slow and Steady or Sudden? Integration of Crystal Records and Geophysical Signals prior to the 2008 eruption of Okmok Volcano (AK) [Terry Plank]

09:45 - 10:00: 1.2.6 - Caldera collapse associated with rapid deglaciation at Villarrica (Rukapillán) volcano from revised chronostratigraphy [Pablo Moreno-Yaeger]

10:30 - 10:45: 1.7.1 - Geometrically complex magmatic plumbing system revealed by high-silica rhyolite glasses from the Highland Range Volcanic Sequence (NV, USA) [Sarah Hickernell]

10:45 - 11:00: 1.7.2 - Explosive eruptions at Tandikat volcano, Sumatra (Indonesia): Insights into two temporally proximate eruptions in the last 5000 years [Marcus Phua]

11:00 - 11:15: 1.7.3 - Contrasting styles of silicic magma mixing dynamics in Turkana Basin, Kenya: Insights from high-resolution tephrochronological tools [Saini Samim]

11:15 - 11:30: 1.7.4 - Time scales on melt extraction derived from garnet xenocrysts in felsic plutonic rocks [Othmar Müntener]

14:15 - 14:30: 1.7.5 - A dendritic growth mechanism for producing oscillatory zoning in igneous zircon [Jack Gillespie]

14:30 - 14:45: 1.7.6 - Crystal Cargoes in 4 Dimensions: Mafic Rejuvenation Prior to the 2021 Tajogaite Eruption of Cumbre Vieja, La Palma. [Franco Cortese]

14:45 - 15:00: 1.7.7 - Revisiting Tajao: using banded pumices to untangle magma dynamics in an intra-cycle eruption from the Las Cañadas volcano, Tenerife (Canary Islands) [Diego González-García]

15:00 - 15:15: 1.7.8 - Pre-eruptive volatile conditions as captured by the apatite record in the crystal mush system of Las Cañadas Caldera, Tenerife [Gemma Brown]

15:45 - 16:00: 1.7.9 - Thermal Dynamics and Crystal Accumulation: Unraveling Magma Differentiation at Fogo Island, Cape Verde [Sebastien Pilet]

16:00 - 16:15: 1.7.10 - Micro-analytical perspectives on the trans-crustal magma plumbing system feeding the Millennium Eruption of the Tianchi volcano in the Changbaishan volcanic field, northeast China [Dian-Bing Wang]

16:15 - 16:30: 1.7.11 - WITHDRAWN -The evolution of Mesozoic magmatism in the Levant margins: melt inclusions perspective on source composition and geodynamic processes [Haran Hennig]

Room R280 : Tuesday - 01.07.25

08:30 - 08:45: 3.15.4 - Simultaneous Observation of Host Medium Deformation and Magma Flow in Volcanic Dykes: An Analogue Modelling Approach [Charlotte Barrington]

08:45 - 09:00: 3.15.5 - Incorporating Laser Rangefinders into Lahar Detection Systems [Alexandra Iezzi]

09:00 - 09:15: 3.15.6 - LiDAR as a tool to reconstruct lava tube networks and their role in lava flow emplacement [Ed Llewellin]

09:15 - 09:30: 3.15.7 - Does incorporation of irregular bomb shapes significantly influence the outcome of ballistic hazard models? [Amilea Sork]

09:30 - 09:45: 3.15.8 - Mobile high-resolution CO2 and stable isotope surveys in ambient air using Delta Ray® measurements in an electric vehicle: assessing volcanic degassing hazards in La Palma, Canary Islands [Nemesio M. Pêrez]

09:45 - 10:00: 3.15.9 - Selective decoupling of soil degassing species and heat flux at surface-sealed hydrothermal systems [Sophie Pailot-Bonnétat]

10:30 - 10:45: 3.5.1 - 15 years of lahar monitoring at Volcán de Colima, Mexico: insights on triggering mechanisms, flow characteristics and hazards assessment. [Lucia Capra]

10:45 - 11:00: 3.5.2 - Resolving transient dynamics of erosion, deposition and sediment transport in lahars and debris flows using field observations and LaharFlow model simulations [Jeremy Phillips]

11:00 - 11:15: 3.5.3 - Lahar sedimentology and spectral fingerprinting: A reassessment of Mount Ruapehu's Onetapu Formation [Brian Perttu]

11:15 - 11:30: 3.5.4 - Unexpected offshore hazards and sediment fluxes resulting from ocean-entering lahars [Mike Clare]

14:15 - 14:30: 3.5.5 - From volcanic sink to source: Unravelling eruption records from volcanic wet mass flow deposits in fluvial and lacustrine successions [Kyoko Kataoka]

14:30 - 14:45: 3.5.6 - Volcano-sedimentary interactions in a Plio-Pleistocene intra-arc basin of the Patagonian Andes: fluvial responses to explosive and effusive eruptions [Joaquin Bucher]

14:45 - 15:00: 3.5.7 - Hyaloclastic beds in ancient submarine successions: insights from Italy and South Korea [Andrea Di Capua]

15:00 - 15:15: 3.5.8 - Explosive volcanic activity recorded in a Pleistocene hot spring system: an example from central Italy. [Federica Barilaro]

15:45 - 16:00: 3.5.9 - Ice-magma interactions in a shallow subglacial fissure eruption at Northern Laki (1783 CE); deposition and post-eruptive evolution in a dynamic environment. [Catherine Gallagher]

16:00 - 16:15: 3.5.10 - Erosion dynamics and morphological evolution of composite volcanoes: Insights from analogue modelling [Roos van Wees]

16:15 - 16:30: 3.5.11 - Simulation of the 2012 Te Maari debris avalanche: insight into the failure mechanics and the role of the hydrothermal system. [Juliette Vicente]

Room R280 : Thursday - 03.07.25

08:30 - 08:45: 6.4.1 - Modelling the transport and dispersion of a co-PDC ash cloud: an evaluation of source geometry and mass eruption rate [Marie Hagenbourger]

08:45 - 09:00: 6.4.2 - Estimating the intensity of explosive volcanic eruptions using volcanic cloud spreading rates [Rebecca Tanner]

09:00 - 09:15: 6.4.3 - Operational ashfall forecasting in New Zealand: Current status and future perspectives [Paul Jarvis]

09:15 - 09:30: 6.4.4 - Quantitative Volcanic Ash (QVA) – A new operating requirement for Volcanic Ash Advisory Centres (VAACs) [Frances Beckett]

09:30 - 09:45: 6.4.5 - Ash Concentration Forecast at VAAC Buenos Aires [Soledad Osores]

09:45 - 10:00: 6.4.6 - KAIROS AI-digital solution: a novel approach to forecasting the transport of SO2-rich volcanic plumes [Hugues Brenot]

10:30 - 10:45: 2.2.1 - Reconstructing the most explosive volcanic eruption this century [Isobel Yeo]

10:45 - 11:00: 2.2.2 - Tsunamis generated by eruptive column collapse: an experimental approach [Céline Vaerewyck]

11:00 - 11:15: 2.2.3 - New evidence for sector collapse preceding the devastating 1883 Krakatau eruption [Morelia Urlaub]

11:15 - 11:30: 2.2.4 - Feedbacks between structural development, eruption style and output rates at Anak Krakatau, Indonesia [Kerys Meredew]

14:15 - 14:30: 2.2.5 - Holocene eruptive histories of New Zealand's nearshore volcanoes: Insights from marine cores around Tūhua and Whakaari volcanoes [Jacqueline Grech Licari]

14:30 - 14:45: 2.2.6 - Insights from the first two Years of the SANTORY shallow Seafloor Observatory: Advancing submarine volcanic monitoring in the Aegean Sea (Greece) [Paraskevi Nomikou]

14:45 - 15:00: 2.2.7 - The Sea-Bottom Benchmark system in Aira Caldera and its current performance [Tomoki Tsutsui]

15:00 - 15:15: 2.2.8 - Creation and analysis of a multi-hazard database for the island of Tenerife (Canary Islands). [Marta López-Saavedra]

15:45 - 16:00: 2.1.1 - Explosions in the Sky: Seismo-acoustic and crowdsourced observations of the 2022 eruption of Hunga volcano from across Aotearoa New Zealand [Oliver Lamb]

16:00 - 16:15: 2.1.2 - Template matching for identification of hydro-acoustic signals to monitor underwater eruptions [Lise Retailleau]

16:15 - 16:30: 2.1.3 - From Geysers to Volcanoes: Connecting Fountain Dynamics with Acoustic and Electrical Signatures [Julia Gestrich]

Room R280 : Friday - 04.07.25

08:30 - 08:45: 3.4.1 - Astronomically forced global volcanic eruptions and their climatic feedbacks [Ping-Ping Liu]

08:45 - 09:00: 3.4.2 - The AD 79 Vesuvius eruption revisited [Claudio Scarpati]

09:00 - 09:15: 3.4.3 - New insights into the Santorini Amorgos Tectonic Zone from Maria S. Merian expedition 132 [Christian Berndt]

09:15 - 09:30: 3.4.4 - New Insights into the history of explosive volcanism of the Kolumbo Volcanic Chain. IODP Expedition 398 Hellenic Arc Volcanic Field [Abigail Metcalfe]

09:30 - 09:45: 3.4.5 - New 1-to-100k scale geology map embracing volcano geology in the Harrat Lunayyir, NW Saudi Arabia [Mahmoud Ashor]

09:45 - 10:00: 3.4.6 - Addressing the challenges and knowledge gaps in reconstructing eruptive behaviour in volcanic island settings [Sebastian Watt]

10:30 - 10:45: 3.4.7 - A New Subaerial Record of Explosive Volcanism and Tsunami along the Tonga Volcanic Arc, Tonga, SW Pacific [Annahlise Hall]

10:45 - 11:00: 3.4.8 - Eruptions, unrest and disaster: a historical approach to eruptive histories in the Eastern Caribbean [Jenni Barclay]

11:00 - 11:15: 3.4.9 - Revised chronostratigraphy of explosive eruptions at Mt. Pelée volcano (Lesser Antilles) in the last 5 kyr: Tephra dispersal and implications for volcanic hazard assessment [Guillaume Carazzo]

11:15 - 11:30: 3.4.10 - Improving the longer-term record of explosive volcanism in the Mexico City region [Alastair Hodgetts]

14:15 - 14:30: 1.5.1 - Exploring Magmatic Evolution by Linking Field Data to a Magma Dynamics and Forward Geophysical Model at the Three Sisters Volcanic Complex, OR, USA [Annika Dechert]

14:30 - 14:45: 1.5.2 - Separating Magmatic and Hydrothermal Sources in Volcanic Deformation [Edna Dualeh]

14:45 - 15:00: 1.5.3 - Seismic constraints on the magmatic system beneath Changbaishan intraplate volcano, China/North Korea [Qi-Fu Chen]

15:00 - 15:15: 1.5.4 - Unraveling Pavlof Volcano's Shallow Plumbing System: Insights from Seismoacoustic and Multidisciplinary Analyses [Darren Tan]

15:45 - 16:00: 1.5.5 - The magma storage capacity of Mt. Etna plumbing system tracked from 3 decades of compositional lava evolution and excess SO2 discharge [Patrick ALLARD]

16:00 - 16:15: 1.5.6 - Magnetotelluric Imaging of the Magma Plumbing System below the Ubinas Volcano (Southern Peru) [Jose Luis Torres Aguilar]

16:15 - 16:30: 1.5.7 - Volcano-tectonic processes in the on-going Reykjanes peninsula volcanic episode as revealed by joint analysis and modeling of seismic and deformation data [Kristín S. Vogfjörd]

Room R290 : Monday - 30.06.25

08:30 - 08:45: 6.1.1 - Volcanic activity in the Eifel (central Europe) occurred systematically in the millennium before the abrupt North Atlantic warming events of the last 130.000 years - endogenic or exogenic forcing processes? [Frank Sirocko]

08:45 - 09:00: 6.1.2 - Prolonged cold periods in the Holocene due to high-frequency climate forcing [Evelien van Dijk]

09:00 - 09:15: 6.1.3 - Why do wet and dry eruptions affect climate differently? [Luke Brown]

09:15 - 09:30: 6.1.4 - Reducing the model simulations – proxy reconstructions discrepancies on the volcanic cooling using reduced complexity models. [Magali Verkerk]

09:30 - 09:45: 6.1.5 - Assessing systemic risk response to globally disruptive volcanic eruptions [Lara Mani]

09:45 - 10:00: 6.1.6 - The next massive volcano eruption will cause climate chaos — and we are unprepared [Christophe Corona]

10:30 - 10:45: 3.3.1 - Volcano-permafrost interaction in Iceland and associated hazards [Alina Shevchenko]

10:45 - 11:00: 3.3.2 - A Candidate Glaciovolcanic Plateau near Pavonis Mons, Mars [Kat Scanlon]

11:00 - 11:15: 3.3.3 - Effect of melt-domain size on vapor film stability with implications for explosive submarine eruptions [Rebecca Fulton]

11:15 - 11:30: 3.3.4 - Trajectories of large particles in supersonic jets: Implications for volcanic ballistic projectiles [Nils Steinau]

14:15 - 14:30: 3.3.5 - The role of groundwater in explosive eruptions: Insights from experiments and modeling [Susan Sakimoto]

14:30 - 14:45: 3.3.6 - Cracking the code: Empirical analysis of damage fracture occurrence, abundance and morphological complexity for natural and experimental volcanic ash particles. [Rachael Baxter]

14:45 - 15:00: 3.3.7 - Investigating the Seasonal Snow and Hydrological Ground Deformation Signals at Katla Volcano, Iceland [Catherine O'Hara]

15:00 - 15:15: 3.3.8 - Hydrological Shifts in High-Altitude Volcanic Systems: Implications of permafrost thaw at Ojos-del-Salado (27°S) [Sebastián Ruiz-Pereira]

15:45 - 16:00: 6.6.1 - Development of a health-relevant exposure index for volcanic emissions: example from the 2021 Tajogaite eruption, La Palma, Canary Islands [Julia Eychenne]

16:00 - 16:15: 6.6.2 - Active volcanism and nontuberculous mycobacteria lung disease: confounders and connections [Jennifer Honda]

16:15 - 16:30: 6.6.3 - Assessing the air quality hazards of chronic exposures to volcanic gases and particulate matter on Montserrat, Eastern Caribbean [Rosie Lewis]

Room R290 : Tuesday - 01.07.25

08:30 - 08:45: 6.2.1 - Seawater interaction and degassing process of magma during the 2022-2023 eruptions at Ioto volcano, Ogasawara, Japan: Implications for hazard assessment of shallow sea eruption [Takahiro Miwa]

08:45 - 09:00: 6.2.2 - Imaging magmatically induced tectonics at the East Pacific Rise 9º50'N [Milena Marjanović]

09:00 - 09:15: 6.2.3 - Evidence for a Hydrothermal Event in Santorini's Caldera Preceding a Large Volcanic Eruption [Sofia Della Sala]

09:15 - 09:30: 6.2.4 - Surface phenomena and hazards of explosive submarine eruptions revealed by a global dataset [Fukashi Maeno]

09:30 - 09:45: 6.2.5 - WITHDRAWN -Nature of offshore Hunga eruption deposits and behaviour of subaqueous volcaniclastic density currents [Jacob Nash]

09:45 - 10:00: 6.2.6 - WITHDRAWN -Comparing hydrothermal responses to eruption on submarine arc volcanoes and mid-ocean ridges. [David Butterfield]

10:30 - 10:45: 3.16.4 - Fully coupled petrological/thermo-mechanical models of magmatic systems. [Boris Kaus]

10:45 - 11:00: 3.16.5 - Explosive or effusive volcanism at the northern Reykjanes Ridge: the role of magma chemistry [Froukje van der Zwan]

11:00 - 11:15: 3.16.6 - Fragmentation by high energy impacts during volcanic activity [Jackie E. Kendrick]

11:15 - 11:30: 3.16.7 - The permeability of transient porous networks in magmas in-situ [Anthony Lamur]

14:15 - 14:30: 6.3.1 - Assessing long-term volcanic gas hazard through probabilistic approach: insights from case studies [Silvia Massaro]

14:30 - 14:45: 6.3.2 - Probabilistic tsunami hazard assessment at Stromboli volcano (Italy) [Alessandro Tadini]

14:45 - 15:00: 6.3.3 - Monitoring long-term deformation of coastal volcanoes in Southeast Asia with Sentinel-1 InSAR [Edgar Zorn]

15:00 - 15:15: 6.3.4 - Beyond the eruption: a holistic approach to understanding cascading hazards and risks at Stromboli. [Irene Manzella]

15:45 - 16:00: 6.3.5 - Lava Flow Hazard Assessment for Flagstaff and Surrounding Areas in the San Francisco Volcanic Field (Arizona, U.S.A.) [Loÿc Vanderkluysen]

16:00 - 16:15: 6.3.6 - Estimating proximal hazards in a distributed volcanic field [Michael Ort]

16:15 - 16:30: 6.3.7 - Many Maps are Better Than One: A Random Forest Approach to Estimate Spatial Density in a Distributed Volcanic Field, Eastern Snake River Plain (ID) [Chuck Connor]

Room R290 : Thursday - 03.07.25

08:30 - 08:45: 7.4.1 - Sensing Volcanoes: improving understanding of eruptions through ’hands-on' experiences [Jenni Barclay]

08:45 - 09:00: 7.4.2 - Using the Twitch interactive live-streaming platform as a tool to communicate and educate about volcanoes and volcanic hazards. [Guillaume Mauri]

09:00 - 09:15: 7.4.3 - Understanding volcanoes through the eyes of students: The new GVP/USGS Student Volcano Art Gallery [Kadie Bennis]

09:15 - 09:30: 7.4.4 - Getting to know Aotearoa-New Zealand’s nearshore volcanoes – A user-centred design approach to science translation products [Victoria Miller]

09:30 - 09:45: 7.4.5 - The Volkis’ adventure: the perfect combination of science and creative illustration [Meritxell Aulinas]

09:45 - 10:00: 7.4.6 - Will my house resist to volcanic hazards? Let’s be prepared! [Lucia Dominguez]

10:30 - 10:45: 3.8.1 - Volcanic hydrothermal systems on andesitic composite volcanoes – Mineralogy, 3D architecture and their use to understand flank collapse activity [Gabor Kereszturi]

10:45 - 11:00: 3.8.2 - Continuous subaerial mapping of hydrothermal outflow in Milos: the new view from visible and infrared drone imaging. [Jean-Emmanuel Martelat]

11:00 - 11:15: 3.8.3 - Combining 3D ERT, drone and satellite images with geochemical analysis to investigate the nature of the Goshogake hydrothermal field, Japan. [Matteo Lupi]

11:15 - 11:30: 3.8.4 - Hydrothermal Weakening and Slope Instability at La Fossa Cone, Vulcano Island (Italy): A Combined Approach Using Drone Imaging and In-Situ Strength Testing [Benjamin De Jarnatt]

14:15 - 14:30: 3.8.5 - A finding of vapor-dominated zones within the caprock beneath the major fumarolic manifestations and its implications; CSAMT survey of fumarole area in Hakone volcano, Japan [Kazutaka Mannen]

14:30 - 14:45: 3.8.6 - Impact of hydrothermal activity on the geomorphology of the Nisyros intra-caldera region [Daniel Müller]

14:45 - 15:00: 3.8.7 - Investigating the influence of Deccan Volcanism and hydrothermal alteration on seismic hazards in the Koyna-Warna Seismogenic Region, Western India [Piyal Halder]

15:00 - 15:15: 3.8.8 - Metals in tuffisite veins [Kim Berlo]

15:45 - 16:00: 7.3.1 - Disproportionate impacts of the COVID-19 pandemic on early career researchers and disabled researchers in volcanology [May Chim]

16:00 - 16:15: 7.3.2 - Removing the barrier of uncertainty in field courses [Annika Dechert]

16:15 - 16:30: 7.3.3 - Towards Inclusive Collaboration in Volcanology: Guidelines for Best-Engagement Protocols in International Collaboration [Karen Fontijn]

Room R290 : Friday - 04.07.25

08:30 - 08:45: 3.10.1 - Temporal evolution for the last 75 years of unrest at Campi Flegrei caldera (Italy) [Luca Caricchi]

08:45 - 09:00: 3.10.2 - Progress in anticipating crustal rupture during unrest at Campi Flegrei [Christopher Kilburn]

09:00 - 09:15: 3.10.3 - Monitoring the accelerating deformation and seismicity of the ongoing unrest of Campi Flegrei caldera (Italy) [Augusto Neri]

09:15 - 09:30: 3.10.4 - Imaging of volcano-tectonic features and plumbing system of the Campi Flegrei caldera by magnetotelluric survey [Roberto Isaia]

09:30 - 09:45: 3.10.5 - The Solfatara eruption of Campi Flegrei (Italy): combining field, textural and geochemical data to understand the dynamics of small-volume volcanic events at active calderas [Andrea Todde]

09:45 - 10:00: 3.10.6 - Volcano-tectonic controls on the 3D architecture of sub-volcanic magma storage at Campi Flegrei, Italy [Michael Stock]

10:30 - 10:45: 1.8.4 - Subsurface lateral magma propagation from Nyiragongo volcano (DRC): an interplay between rifting-induced extension and edifice loading [Virginie Pinel]

10:45 - 11:00: 1.8.5 - Tracking velocity changes of the 2024 Kīlauea East Rift Zone eruption and preceding intrusions with ambient noise interferometry [Alicia Rohnacher]

11:00 - 11:15: 1.8.2 - Melting of hydrothermal system: Petrology of glassy-like bombs in 1895 eruption of Zao Volcano, NE Japan [Masao Ban]

11:15 - 11:30: 1.8.13 - Impact of topography and water load on magma propagation modelling [Séverine Furst]

14:15 - 14:30: 7.5.1 - Breaking Silos: Collaborative Pathways in Volcanological Technology Development [Debra Parcheta]

14:30 - 14:45: 7.5.2 - Integrating Standardized Volcano Monitoring Data into WOVOdat [Christina Widiwijayanti]

14:45 - 15:00: 7.5.3 - Development of Volcanic Hazards Information System in Geological Survey of Japan [Shinji Takarada]

15:00 - 15:15: 7.5.4 - The Volcanology Infrastructure for Computational Tools and Resources (VICTOR) [Sylvain Charbonnier]

15:45 - 16:00: 7.5.5 - FAIR access to geoscientific data from Iceland on the EPOS Data Portal [Ríkey Júlíusdóttir]

16:00 - 16:15: 7.5.6 - Meeting the public where they are at by creating accessible resources with familiar tools [Ajay Jones]

16:15 - 16:30: 7.5.7 - Breaking barriers in science: Insights from Latin America's Volcano Observatories dual-language Special Issue [Oryaëlle Chevrel]

Room R380 : Monday - 30.06.25

08:30 - 08:45: 7.1.1 - Success in managing volcanic risk, a real-life example [Marta Calvache]

08:45 - 09:00: 7.1.2 - Co-creation with Indigenous communities during natural hazards research, education, and engagement [Thomas Jones]

09:00 - 09:15: 7.1.3 - Integrating indigenous myths with new scientific knowledge on late Holocene eruptions of Isarog volcano, Philippines [Timothy John Daita]

09:15 - 09:30: 7.1.4 - How to use volcanic geoheritage to contribute to urban sustainability: the Geocity project, Mexico City [Marie-Noelle Guilbaud]

09:30 - 09:45: 7.1.5 - Volcanic Geo Heritage in India: Engaging with the community for transferring geosciences to society through geo education and nature conservation. [Kalpana Chaudhari]

09:45 - 10:00: 7.1.6 - Geoheritage and digital advocacy: Using online tools to encourage geoconservation [Ajay Jones]

10:30 - 10:45: 7.2.1 - Managing prolonged volcanic unrest in the Reykjanes-Svartsengi system: Challenges in monitoring, hazard assessment and risk communication [Sara Barsotti]

10:45 - 11:00: 7.2.2 - A new ashfall response poster: Enhancing nautical resilience from Patagonian lakes to broader waters [Pablo Agustín Salgado]

11:00 - 11:15: 7.2.3 - Ethics in Volcanology: Collaboration, Communities and Commitment [Amy Donovan]

11:15 - 11:30: 7.2.4 - Using social media for rapid assessment of emotional impacts of volcanic hazards [Evgenia Ilyinskaya]

11:40-12:10: P1 - Building transcrustal magmatic systems in a stressed lithosphere [Eleonora Rivalta]

12:10 - 12:40: ECR1 - How geological reality can help us propagate magma intrusion models into the future [Sam Poppe]

12:40 - 12:55: 8.1.1 - Insights on magma dynamics from integrated observational, experimental, and numerical methods [Janine Birnbaum]

12:55 - 13:10: 8.1.2 - Advancing in-situ observations of magmatic processes: development of an X-ray Transparent Internally Heated Pressure Vessel for High-Pressure, High-Temperature synchrotron imaging [Barbara Bonechi]

14:15 - 14:30: 7.2.5 - Scientific advice to the Italian Civil Protection on volcanic hazard, during the current unrest of the Campi Flegrei caldera [Guido Giordano]

14:30 - 14:45: 7.2.6 - Reframing science advisory: it all starts with a conversation [Nico Fournier]

14:45 - 15:00: 7.2.7 - Volcanic Wisdom: Strengthening Global Resilience Through Enhanced Multi-Hazard Early Warning and Alert Level Systems [Molly Urquhart]

15:00 - 15:15: 7.2.8 - Before I hit “Send”: Communicating volcanic hazard in Caribbean SIDS [Omari Graham]

15:45 - 16:00: 3.15.1 - How can we forecast eruptions from caldera systems? A case study from Taupō [Finnigan Illsley-Kemp]

16:00 - 16:15: 3.15.2 - Near real-time mapping and monitoring of effusive eruptions and tectonic movements with crewed airborne photogrammetry surveys on the Reykjanes Peninsula, Iceland [Birgir Óskarsson]

16:15 - 16:30: 3.15.3 - Lava effusion in mountainous terrain generates flow backup and increased inundation [Annie Borch]

Room R380 : Tuesday - 01.07.25

08:30 - 08:45: 6.5.1 - The effects of lull and peaks in effusion rate on lava flows propagated on slopes: insights from analog experiments [Sean Peters]

08:45 - 09:00: 6.5.2 - Model-based lava flow hazard assessment: pre- and syn-eruptive forecasts with uncertainty quantification [Kyle Anderson]

09:00 - 09:15: 6.5.3 - Rapid response to effusive eruptions using satellite infrared data: The March 2024 eruption of Fernandina (Galápagos) [Diego Coppola]

09:15 - 09:30: 6.5.4 - Lava flow monitoring and modelling during the 2021-2024 Reykjanes peninsula unrest, SW Iceland [Gro B. M. Pedersen]

09:30 - 09:45: 6.5.5 - The layout and elevation design of the lava barriers on the Reykjanes Peninsula, Iceland [Hörn Hrafnsdóttir]

09:45 - 10:00: 6.5.6 - Lava flow susceptibility map for Nyiragongo and Nyamulagira volcanoes, Virunga Volcanic Province: A support for risk management? [Caroline Michellier]

10:30 - 10:45: 1.6.1 - Overview of recent Hawaiian eruptions (2023–present) [Natalia Deligne]

10:45 - 11:00: 1.6.2 - The contribution of petrological monitoring during recent eruptive crises of Mt. Etna, Italy [ROSA ANNA CORSARO]

11:00 - 11:15: 1.6.3 - Spinel crystals in tephras preserve heating and cooling pathways during magma ascent and eruption at La Palma, Canary Islands [Samantha Tramontano]

11:15 - 11:30: 1.6.4 - The 2021-23 Fagradalsfjall and 2023-? Sundhnúkur Fires, Reykjanes Peninsula, Iceland [Thor Thordarson]

11:40-12:10: P2 - Minerals, fluids, metals and mining – what might the future of resourcing a sustainable world look like? [Richard Herrington]

12:10 - 12:40: ECR2 - Illuminating magmatic plumbing systems, fluids pathways and eruptions with seismology [Miriam Reiss]

12:40 - 12:55: 8.1.3 - Pen to Paper: a celebration of the enduring power of the sketch in a digital age [Ailsa Katharine Naismith]

12:55 - 13:10: 8.1.4 - Living on the Edge of an Active Volcano: Human Dimensions of Population Exposure to Volcanic Hazards – Lessons from Goma, Eastern DR Congo [Blaise Mafuko Nyandwi]

14:15 - 14:30: 1.3.1 - Bayesian approaches to inferring dates and rates of magmatic processes [C. Brenhin Keller]

14:30 - 14:45: 1.3.2 - What do zircon age distributions tell us about the magma storage conditions of large ignimbrite eruptions? [Benjamin Klein]

14:45 - 15:00: 1.3.3 - U-Th ages and compositions of zircons in Dominica: constraints on a magma plumbing system [Holli Frey]

15:00 - 15:15: 1.3.4 - Evolution of Plio-Pleistocene shallow-level granites and associated rhyolites in the Tuscan Magmatic Province (Italy). [Federico Farina]

15:45 - 16:00: 1.3.5 - Unraveling timescales of magmatic processes through diffusion modeling: Insights from diverse volcanic contexts [Helena Albert]

16:00 - 16:15: 1.3.6 - Prolonged post-emplacement cooling of andesitic-dacitic lava flows produces optimal groundmass material for Ar/Ar dating [Chris Conway]

16:15 - 16:30: 1.3.7 - New Cosmogenic Exposure Dating of Fissural Volcanic Episodes in Afar: Implications for Magmatic Processes and Plumbing System Organisation [Yafet gebrewold Birhane]

Room R380 : Thursday - 03.07.25

08:30 - 08:45: 3.1.11 - In search for ground-truth. Quantifying uncertainty in expert labelling for machine learning [Sam Mitchinson]

08:45 - 09:00: 3.1.10 - Using Machine Learning to Enhance the Yellowstone Earthquake Catalog [Alysha Armstrong]

09:00 - 09:15: 3.1.13 - A ConvLSTM based deep neural network for volcanic clouds monitoring from space [Federica Torrisi]

09:15 - 09:30: 3.1.14 - A machine learning approach to volcanic eruption nowcasting using geostationary satellite-based thermal features [Claudia Corradino]

09:30 - 09:45: 3.1.15 - VolcanoInSight: A webcam system for monitoring volcanic activity in Iceland [Talfan Barnie]

09:45 - 10:00: 3.1.16 - The Virunga volcanic chain: a solution to the electricity problems of the city of Goma (North Kivu, DRC)? [PATERNE MULIMBI KAGARABI]

10:30 - 10:45: 3.11.1 - Post-climatic evolution of supervolcanoes implicate significant volumes of residual mush remains after climactic eruptions. [Shanaka de Silva]

10:45 - 11:00: 3.11.2 - Reservoir reconstruction at Torfajökull volcano after the Thórsmörk super-eruption, identified through zircon age distribution and mineral chemistry [Zoe Moser]

11:00 - 11:15: 3.11.3 - Magma residence time of magma chambers at shallow crustal depths in past caldera eruptions in Japan [YOSHIYUKI YASUIKE]

11:15 - 11:30: 3.11.4 - Timing and eruptive characteristics of the 349 ka Whakamaru supereruption sequence constrained by high-resolution analysis of tephra sites around New Zealand [Anna Miller]

11:40-12:10: P3 - Hydrothermal systems from plutonic to volcanic: fundamental insights and fundamental unknowns [Thomas Driesner]

12:10 - 12:40: ECR3 - Characterizing Hydrothermal Systems Using Gravitational Methods [Antonina Calahorrano]

12:40 - 12:55: 8.1.5 - The utility of topography in disentangling volcano construction, erosion, and magmatic histories [Daniel O'Hara]

12:55 - 13:10: 8.1.6 - How to find volcanoes that no longer exist? [Ludmila M. Fonseca Teixeira]

14:15 - 14:30: 3.11.5 - Unravelling the eruption history of the Drammen Caldera: A multidisciplinary study of caldera-forming processes in the Permian Oslo Rift, Norway [Guro Lilledal Andersen]

14:30 - 14:45: 3.11.6 - The rapid resurgence of the ice-covered Bárdarbunga after the 2014-2015 caldera collapse, evidence from repeated gravity surveys and other data [Magnus Gudmundsson]

14:45 - 15:00: 3.11.7 - Impact of the 2007 caldera collapse to eruptive variability at Piton de la Fournaise: insights from long-term satellite-retrieved effusion rate. [Adele Campus]

15:00 - 15:15: 3.11.8 - Exploring the 2018 Kilauea Caldera Collapse with a New Benchmarked 3D Distinct Element Method Model [Thomas Austin]

15:45 - 16:00: 1.8.6 - The compressibility of the Svartsengi magma domain: lessons learned from comparison of volumes of inflation-deflation and volumes of dikes and lavas during the Sundhnúkur crater row rifting episode 2023 to present [Freysteinn Sigmundsson]

16:00 - 16:15: 1.8.1 - Crustal thickening and doming induced by the emplacement of volcanic plumbing systems: case studies at back-arc volcanoes in the Neuquén Basin, Argentina [Olivier Galland]

16:15 - 16:30: 1.8.3 - Magma storage, evolution and degassing at Mombacho (Nicaragua): new insights to decipher the current state of activity of a long dormant volcano [Manon Pouget]

Room R380 : Friday - 04.07.25

08:30 - 08:45: 2.3.1 - Towards near-real time monitoring of volcanic deformation and lava flow mapping using Capella SAR images [Arthur Hauck]

08:45 - 09:00: 2.3.2 - Insights into the 2018 Mayon Volcano eruption from ground deformation measurements [James Noli Nobora]

09:00 - 09:15: 2.3.3 - InSAR as an Operational Tool for Monitoring U.S. Volcanoes [Marco Bagnardi]

09:15 - 09:30: 2.3.4 - Relationship Between Deformation and Explosive Eruptions at Rincón de la Vieja Volcano, Costa Rica Detected Using GNSS [Emily Mick]

09:30 - 09:45: 2.3.5 - Monitoring Volcanic Deformation Using InSAR: Deformation Time Series at Seasonally Snow-covered Volcanoes [Tianyuan Zhu]

09:45 - 10:00: 2.3.6 - Using high spatial and temporal InSAR time series to image magmatic and flank instability processes [Christelle Wauthier]

10:30 - 10:45: 2.3.7 - Structural control of subsurface processes using a finite-element-based dynamic model of mid and short-term crustal evolution at Krafla volcano. [Ana Martinez Garcia]

10:45 - 11:00: 2.3.8 - Tectonic stress release through dike emplacement constrained by surface deformation: Finite Element modeling of the 2021 Fagradalsfjall dike, Iceland [Sonja H. M. Greiner]

11:00 - 11:15: 2.3.9 - On the ground deformation of Campi Flegrei and Vesuvio since 1993 using SAR data [Luca Crescentini]

11:15 - 11:30: 2.3.10 - Laccolith deformation, pit craters, and caldera subsidence at Puyehue-Cordón Caulle, Chile (2011-2024): Integrating InSAR, high-resolution topography and optical imagery [Diego Lobos-Lillo]

11:40-12:10: P4 - Recent unrest at Taal Volcano, Philippines; insights from a complex geological and social environment [Mariton Bornas]

12:10 - 12:40: ECR4 - The potential of fibre-optic sensing for volcano monitoring and imaging [Sara Klaasen]

12:40 - 12:55: 8.1.7 - Connecting petrology and volcano monitoring: Insights from multiphase diffusion chronometry [Eduardo Morgado]

12:55 - 13:10: 8.1.8 - Calderas Beneath the Waves: AI-Powered Exploration of Subaqueous Volcanism [Andrea Verolino]

14:15 - 14:30: 3.9.1 - Precursory Pressure Signals of Pyroclastic Density Currents [Anna Perttu]

14:30 - 14:45: 3.9.2 - Emplacement mechanisms of pyroclastic density currents: insights from numerical simulation of dense granular flow with pore gas pressure [Thierry DUBOIS]

14:45 - 15:00: 3.9.3 - The interaction between Pyroclastic Density Currents and waterbodies, first results from PELE large-scale experiment [Geoffrey Robert]

15:00 - 15:15: 3.9.4 - Multiphase Modeling of Density Current Interactions with Topography: Insights into Depositional Processes [Brandon Keim]

15:45 - 16:00: 3.9.5 - A multi-faceted approach to estimate total grain size distribution of pyroclastic density current deposits using unoccupied aircraft systems, wet sieving, and high-resolution digital microscopy [Franco Garin]

16:00 - 16:15: 3.9.6 - Collapse and entrainment of perched, metastable, volcaniclastic sequences as a key PDC generation mechanism: Volcán de Fuego June 2018 PDCs and analogue experiments [Symeon Makris]

16:15 - 16:30: 3.9.7 - Fountain-like collapse of an eruption column during a large explosive eruption [Yuki Yasuda]

Room Poster Hall : Monday - 30.06.25

16:30 - 18:30: 1.2.7 - Integrating timescales from diffusion modeling in crystals to geophysical monitoring data at a large submarine volcano (Fani Maoré, Mayotte) [Karoline Brückel]

16:30 - 18:30: 1.2.8 - Magma storage timescales prior to the 1883 Krakatau eruption [Adrien Mourey]

16:30 - 18:30: 1.2.9 - Magma storage, pre-eruptive dynamics and timescales of the 1956 eruption of Bezymianny volcano (Kamchatka) [Lea Ostorero]

16:30 - 18:30: 1.2.10 - Timescales of magmatic processes driving the 2017-2018 Manaro Voui (Ambae, Vanuatu) eruptive crisis: an olivine perspective [Eva Delhaye]

16:30 - 18:30: 1.2.11 - Understanding the crustal pathway of magmas in the Auckland Volcanic Field [Joshua Coker]

16:30 - 18:30: 1.2.12 - Characterization of magmatic storage conditions following a mafic recharge event [Jakob Scheel]

16:30 - 18:30: 1.2.13 - Inherited argon preserved in plagioclase antecrysts in the Lesser Antilles allow to unravel residence times between reservoir remobilization and eruption [Aurelie Germa]

16:30 - 18:30: 1.2.14 - From hours to centuries: using DiffSim to determine magmatic timescales in diverse mineral phases [Eduardo Morgado]

16:30 - 18:30: 1.2.15 - Monthly timescales of magma ascent and eruption triggering in two reservoirs beneath Hornopirén volcano, Southern Volcanic Zone [Eduardo Morgado]

16:30 - 18:30: 1.2.16 - Timescales and rates of magma ascent using 3D-CSD in lava flows of the Mangawhero Formation, Mount Ruapehu, New Zealand [Silvia Catalina Moreno Alfonso]

16:30 - 18:30: 1.2.17 - Field-based measurement of xenolith size, shape, and number density in volcanic deposits: Example from Lanzarote (Canary Islands) and implications for magma ascent [Marc-Antoine Longpré]

16:30 - 18:30: 1.2.18 - Reykjanes peninsula Iceland exploration, a multi-disciplinary project led by students [Raphaël Rougemont]

16:30 - 18:30: 1.2.19 - Rapid differentiation, gas accumulation and the size of magma chamber beneath Hekla volcano, Iceland, from 238U-series disequilibria. [Olgeir Sigmarsson]

16:30 - 18:30: 1.2.20 - Diffusion of Sr and Ba in plagioclase: New experimental data and consequences for volcanic timescales [Thomas Grocolas]

16:30 - 18:30: 1.2.21 - Diffusion in K-feldspar: Sr, Ba, Ti and P diffusion experiments in sanidine [Aurore Toussaint]

16:30 - 18:30: 1.2.22 - Trace element diffusion in tephrite-phonolite couple experiments as a function of temperature, H2O contents and oxygen fugacity [Diego González-García]

16:30 - 18:30: 1.2.23 - Influence of Deformation on Crystallization: Experimental Insights on Magma Conduit Dynamics [Alessandro Musu]

16:30 - 18:30: 1.2.24 - Thermomechanical modelling of stress around dyke tips [John Browning]

16:30 - 18:30: 1.2.25 - Magma Flow in Plumbing System-Type LIPs: Parameters from Anisotropy of Magnetic Susceptibility in Giant Dyke Swarms of the Equatorial Atlantic Magmatic Province [Antomat Macêdo Filho]

16:30 - 18:30: 1.7.12 - Amalgamation of multiple, discrete magma bodies fueled the tuff of Elevenmile Canyon [Anna Ruefer]

16:30 - 18:30: 1.7.13 - Trace element fingerprinting of felsic cumulate recycling in igneous amphibole: A case study from Milos, South Aegean Volcanic Arc, Greece [Razvan-Gabriel Popa]

16:30 - 18:30: 1.7.14 - The petrology and chemostratigraphy of the Vitafumo and Miliscola tuff-cones: a key to the pre- and syn-eruptive processes during the ancient, pre-caldera stage of the Campi Flegrei volcanic field (southern Italy) [Lorenzo Fedele]

16:30 - 18:30: 1.7.15 - What controls the compositions and eruptability of magmas in subduction zones? The Case of the Aegina Magmatic Province (Greece) from inception to extinction [Michelle Müller]

16:30 - 18:30: 1.7.16 - Cenozoic post-collision paleo lithospheric thinning of SE Kalimantan (Borneo), Indonesia: constraints from alkaline lamprophyre thermobarometry and geochemistry [Edafe Ominigbo]

16:30 - 18:30: 1.7.17 - Subduction or Intraplate? Granitoids in the Virgin Islands and implications for the growth of early-Earth-like continental crust [Alastair Hodgetts]

16:30 - 18:30: 1.7.18 - Vertical growth of caldera-forming crust: a case study of 50 ka Maninjau ignimbrite, Sumatran Fault Zone (SFZ), Indonesia [Takeshi Hasegawa]

16:30 - 18:30: 1.7.19 - New insights on the petrology of the ancient activity of the Roccamonfina volcano (central-southern Italy) [Federica Güll]

16:30 - 18:30: 1.7.20 - First evidence for leucite-bearing products in the recent stages of activity of the Roccamonfina volcano (central-southern Italy) [Federica Güll]

16:30 - 18:30: 1.7.21 - New insights into the magmatic evolution of the Imbabura Volcanic Complex, Imbabura province, Ecuador [Wilman Navarrete]

16:30 - 18:30: 1.7.22 - The impact of magmatic volatiles on stability of subvolcanic reservoirs and eruptive style [Olivier Bachmann]

16:30 - 18:30: 1.7.23 - Deconvolving the relationship between subtle shifts in geochemistry and dramatic changes in explosivity at Augustine Volcano, Alaska [Alison Koleszar]

16:30 - 18:30: 1.7.24 - Pre-eruptive conditions of the 800 BP Plinian Eruption of Quilotoa volcano (Ecuador) [Nicole Vizuete]

16:30 - 18:30: 1.7.25 - Unravelling the plumbing system of the oldest ignimbrite in Martinique using chemical segmentation of plagioclase and thermobarometry [Aurelie Germa]

16:30 - 18:30: 1.7.26 - Compositional Insights from the Precursory Cleetwood Eruption on the Lead-Up to Mount Mazama's Caldera Collapse [Sophia Wang]

16:30 - 18:30: 1.7.27 - A broadly homogeneous magma reservoir evacuated during catastrophic submarine caldera collapse of Hunga Volcano, 15 January 2022 Tonga [Marco Brenna]

16:30 - 18:30: 1.7.28 - Advances in thermodynamic modelling tools for magmatic systems [Nicolas Riel]

16:30 - 18:30: 1.7.29 - Experimental constraints on the magmatic parameters controlling the 2022 eruption of Hunga Tonga-Hunga Ha'apai Volcano, Tonga [ENRICO CALIFANO]

16:30 - 18:30: 1.7.30 - The magmatic-hydrothermal system of Laguna del Maule [Hannah Ellis]

16:30 - 18:30: 1.7.31 - Multi-elemental assessment of plagioclase-melt equilibria unravel episodes of crystal growth and provides clues on magma evolution [Alessio Pontesilli]

16:30 - 18:30: 1.7.32 - Ejected fragments of magma mush in the Fish Canyon Tuff (Colorado, USA) and the processes within magma mush that feed crystal-rich supereruptions [Morgan Harris]

16:30 - 18:30: 1.7.33 - Geochemical insights into pre- and post-flank collapse at Antuco Volcano, Southern Volcanic Zone, Chile [Francisca Mallea-Lillo]

16:30 - 18:30: 1.7.34 - Multiple-phase geobarometry using Rhyolite-MELTS [Sarah Smithies]

16:30 - 18:30: 1.7.35 - Complex Magmatic Processes in El Negrillar Monogenetic Field: A Case Study of the Central Andean Volcanic Zone [Patricia Larrea]

16:30 - 18:30: 1.7.36 - Petrographic insights into recent volcanism in the Carrán – Los Venados Distributed Volcanic Field, Southern Andes (Chile) [Deborah Caceres-Baez]

16:30 - 18:30: 1.7.37 - Petrologic imaging of magmatic reservoirs: some improvements to clinopyroxene and amphibole barometry [Etienne Médard]

16:30 - 18:30: 1.7.38 - Geological mapping and petrography and mineral geochemistry of Igourdane pluton in the Saghro Massif, eastern Anti-Atlas, Morocco: Preliminary results [Hasna ER-RAQQADY]

16:30 - 18:30: 1.7.39 - Unraveling The Evolution of Silicic Eruptions in a Basaltic Province: Insights From Harrat Khaybar, Western Saudi Arabia [Abdullah Alohali]

16:30 - 18:30: 1.7.40 - The life and reactivation of long-dormant PAMS volcanoes: the case of the Late Pleistocene Ciomadul volcano, Romania [Szabolcs Harangi]

16:30 - 18:30: 1.7.41 - EPMA geochemical evidence of a long-lived Pleistocene Crystal-Mush in the Northern Andes: geothermobarometric challenges [Natalia Pardo]

16:30 - 18:30: 1.7.42 - Constraining aplite-host granodiorite relationships through geochemistry and rhyolite-MELTS geobarometry: Tuolumne Intrusive Complex, Yosemite National Park (California, USA) [Marvin Lopez Acevedo]

16:30 - 18:30: 1.7.43 - Central Snake River Plain Eruptive Products Are Hot and Dry – Yet Saturated with Zircon: Why? [Julian-Christopher Storck]

16:30 - 18:30: 2.4.15 - A next generation, near-real-time volcanic eruption monitoring algorithm for use with both MODIS Aqua/Terra and SNPP VIIRS, providing continuity with the MODIS/EOS era MODVOLC system [Nikola Rogic]

16:30 - 18:30: 2.4.16 - Hidden Markov Random Fields as scaffolding around Indigenous Knowledge at Ruapehu volcano [Melody Whitehead]

16:30 - 18:30: 2.4.17 - Forecasting the position and timing of eruptive vents using a particle filter method. [Léa Zuccali]

16:30 - 18:30: 2.4.18 - Resolving traction changes on fractures in a 3D heterogeneous crust using fictitious domains [Valerie Cayol]

16:30 - 18:30: 2.4.19 - Strain tomography of magmatic systems [Timothy Davis]

16:30 - 18:30: 2.4.20 - The first instrumentally detected hydrothermal explosion in Yellowstone National Park [Michael Poland]

16:30 - 18:30: 2.4.21 - Study of the explosive eruption jets with the experimental and theoretical approaches [Nataliya Galina]

16:30 - 18:30: 2.4.22 - Bridging the Gap Between Magma Conduit Models and Near-Field Ground Deformation Observations [Eliot Eaton]

16:30 - 18:30: 2.4.23 - Integration of satellite and ground-based thermal sensor surveys to constrain heat fluxes at hydrothermal systems: experiences from Poás and Nisyros [Sophie Pailot-Bonnétat]

16:30 - 18:30: 2.4.24 - Constraints on magma ascent to eruption from patterns of unrest [Christopher Kilburn]

16:30 - 18:30: 2.4.25 - The new Daily Volcanic Activity Report: using daily volcanic event data for eruption forecasting [Sarah Ogburn]

16:30 - 18:30: 2.4.26 - Resistivity: a new volcano monitoring tool? [Lore Vanhooren]

16:30 - 18:30: 2.4.27 - Lagrangian volcanic ash transport from sea surface to seafloor following the January 15, 2022, eruption of Hunga volcano. [Marcus Chaknova]

16:30 - 18:30: 2.4.28 - Volcano monitoring challenges in an active Quaternary monogenetic volcanic province in western Saudi Arabia [Fawaz Muqeem]

16:30 - 18:30: 2.4.29 - Forecasting the evolution of the 2021 Tajogaite eruption, La Palma, with TROPOMI/PlumeTraj-derived SO2 emission rates [Mike Burton]

16:30 - 18:30: 2.4.30 - Quantifying Hydrothermal Contributions to Volcanic Deformation: The 2021 Unrest of Askja Volcano [Laure Brenot]

16:30 - 18:30: 2.4.31 - Laboratory evidence for subsurface steam transport driving thermal anomalies at active volcanoes [Noé García-Martínez]

16:30 - 18:30: 2.4.32 - Monitoring microdeformations at Mount Etna: modelling, insights and interpretations of shallow magma convection and replenishment dynamics [Owen McCluskey]

16:30 - 18:30: 2.4.33 - Dyke-induced seismicity: depth-dependent acoustic emissions and strain in rock deformation experiments [Matías Clunes]

16:30 - 18:30: 2.4.34 - Long-term volcano-tectonic unrest on the Reykjanes peninsula: Europe's unique natural laboratory for studying the depth-dependent interaction of magmatic and tectonic processes [TR Walter]

16:30 - 18:30: 2.4.35 - Harnessing Public-Private Partnerships – A Pragmatic Approach Towards Volcano Monitoring in Canada [Glyn Williams-Jones]

16:30 - 18:30: 2.4.36 - FEVER: Forecasting Eruptions at Volcanoes after Extended Repose [Carmen Solana]

16:30 - 18:30: 2.4.37 - Short-term eruption forecasting in the next decade: A new era of high-resolution thermal infrared data [Michael Ramsey]

16:30 - 18:30: 2.4.38 - Dike intrusion simulation in 3D stress field using discrete element method [EISUKE FUJITA]

16:30 - 18:30: 2.4.39 - Are there thermal precursors to eruptions detectable by satellite? Evaluating 22 years of global medium resolution satellite thermal observations at 195 erupting subaerial volcanoes [Andie Gomez-Patron]

16:30 - 18:30: 2.4.40 - Optimising volcano monitoring network: ensuring reliability and redundancy on data transmission Marapi case [Shaira Lee Pabalan]

16:30 - 18:30: 2.4.41 - Data assimilation in volcanic deformation [Shungo Tonoyama]

16:30 - 18:30: 2.4.42 - Examination of the causes of geomagnetic changes observed during periods of volcanic unrest based on numerical modeling [Wataru Kanda]

16:30 - 18:30: 2.4.43 - Eruption probabilities from seismic data assimilation: Insights from the 2023 paroxysms of Shishaldin Volcano [Társilo Girona]

16:30 - 18:30: 2.4.44 - Characterizing pre- and syn-eruptive processes at Great Sitkin Volcano, Alaska, by integrating seismic data assimilation and satellite-based thermal anomalies [Kyungmin Kim]

16:30 - 18:30: 2.4.45 - Investigation of thermo-hydrodynamic processes preceding the different eruption styles observed in a laboratory geyser [Ayuta Tsuge]

16:30 - 18:30: 2.4.46 - Using Cross-Entropy as a Volcanic Precursor: the case study of the 2021 Tajogaite Eruption (La Palma, Spain) [Aarón Álvarez Hernández]

16:30 - 18:30: 2.4.47 - Do shape and size of erupted tephra reflect their porosity? An investigation of representative tephra from explosive eruptions at Mt Etna (Italy) [Alexandra Lang]

16:30 - 18:30: 2.4.48 - Probabilistic Failure Forecast Method (FFM) of geochemical observables to forecast the time of geological events in volcanic systems [Nemesio M. Pérez]

16:30 - 18:30: 2.4.49 - FEM model of surface deformation pattern applied to the Campi Flegrei caldera [Pierdomenico Romano]

16:30 - 18:30: 2.4.50 - WITHDRAWN -Training deep learning networks with models integrating complex rheologies in the magmatic system: An advance to forecast time series models of volcanic deformation [Camila Novoa Lizama]

16:30 - 18:30: 2.4.51 - A trans-dimensional inversion algorithm to model deformation sources with unconstrained shape in finite element domains [Erica De Paolo]

16:30 - 18:30: 2.4.52 - Volcanic unrest detection using trans-dimensional McMC: application to dike intrusion events at Mount Etna [Erica De Paolo]

16:30 - 18:30: 3.1.17 - Structural parameters of the dyke swarm in the Saghro Massif (Eastern Anti-Atlas, Morocco): Insights into the understanding the depth of magma chamber source and tectonic regime during emplacement [Ahmed BAAMAR]

16:30 - 18:30: 3.1.18 - Highlighting inner structures of Piton de la Fournaise by comparative analysis of unique 3D magnetic and electrical resistivity models [Romain Guillard]

16:30 - 18:30: 3.1.19 - Towards Automating Reliable SO_2 Camera Retrievals [Alyssa Heggison]

16:30 - 18:30: 3.1.20 - Enhancing Phase Detection of Volcanic Earthquakes Through a Multi-Station Machine Learning Model [Abigail Robinson]

16:30 - 18:30: 3.1.21 - Extraction of Multimodal Surface Wave Dispersion Curves in Volcanic Area: Case Study on Mt. Ontake, Central Japan [Misaki Asai]

16:30 - 18:30: 3.1.22 - Synthetic aperture radar drone application to study active volcanoes of Iceland [Alina Shevchenko]

16:30 - 18:30: 3.1.23 - Detecting Subtle Deformation on Tropical Volcanic Islands: Advanced InSAR Time Series Techniques for Enhanced Monitoring [Delphine Smittarello]

16:30 - 18:30: 3.1.24 - Detecting Volcanic Deformation in Hawai‘i Using Multimodal Deep Learning Techniques [Tyler Paladino]

16:30 - 18:30: 3.1.25 - From Seismic Signals to Volcanic Processes: Data-Driven Approaches at Piton de la Fournaise [Marie A. Gärtner]

16:30 - 18:30: 3.1.26 - Automatic assessment of volcanic activity of Hakone volcano, Japan -Introduction of volcanic unrest index and automatic detection of earthquakes- [Ryo Kurihara]

16:30 - 18:30: 3.1.27 - Low-Cost Photogrammetry Technique That Uses a Locally Defined Coordinate System to Model Meter-Scale Cavities or Vertical Features [Mya Thomas]

16:30 - 18:30: 3.1.28 - Using Google Earth Engine as a tool for estimating volcanic cloud-top height based on GOES imagery: a case study at the remote Sangay volcano, Ecuador [Stefano Corradini]

16:30 - 18:30: 3.1.29 - Reevaluating the 2008-2009 Yellowstone Lake Seismic Swarm with Deep Learning [Hayley Woodrich]

16:30 - 18:30: 3.1.30 - Extracting locations from individual cameras: Single view three-dimensional reconstruction to extract flow velocities from static cameras [Stuart Mead]

16:30 - 18:30: 3.1.31 - Constructing eruptive histories at the Alaska Volcano Observatory: a harmonious integration of volcanology, petrology, and statistics [Jordan Lubbers]

16:30 - 18:30: 3.1.32 - Volcanology in the Twittersphere [Jamie Farquharson]

16:30 - 18:30: 3.1.33 - Assessing cloud points co-registration methods efficiency based on UAS images acquired in an active volcanic environment (Stromboli volcano, Italy) [Pierre-Yves Tournigand]

16:30 - 18:30: 3.1.34 - Unravelling the heterogeneous character of porous lava rocks from Fogo Volcano (Azores, Portugal) through experimental data [Maria Luísa Pereira]

16:30 - 18:30: 3.1.35 - Satellite monitoring of active volcanoes using Short-Wave Infrared (SWIR) observations [Francesco Marchese]

16:30 - 18:30: 3.1.36 - Volcanic stratigraphy reconstruction using crystal size distribution automated by machine learning [Martin Jutzeler]

16:30 - 18:30: 3.1.37 - Amphibole machine learning thermobarometry and chemometry: a general model for igneous rocks [Martín Miranda-Muruzábal]

16:30 - 18:30: 3.1.38 - Combining thermodynamic- and machine learning-based thermobarometry [Luca CARICCHI]

16:30 - 18:30: 3.1.39 - Afar triple junction fed by single asymmetric mantle upwelling [Emma Watts]

16:30 - 18:30: 3.1.40 - TIRVolcH: a Satellite-Based Volcano Monitoring System for Advancing Global Thermal Data Collection and Processing [Simone Aveni]

16:30 - 18:30: 3.1.41 - Volcanic cloud detection and retrieval using Machine Learning approach and MSG-SEVIRI data from the 2020-2022 Etna activity [Stefano Corradini]

16:30 - 18:30: 3.1.42 - WITHDRAWN -Rapid LA-ICP-MS measurement of trace elements in volcanic glasses for petrologic monitoring [Adam Kent]

16:30 - 18:30: 3.1.43 - WITHDRAWN -SSTAR: A user-friendly application to track subtle thermal anomalies at volcanoes [Társilo Girona]

16:30 - 18:30: 3.1.44 - Developing and data mining with machine learning a volcanic ash database (VolcAshDB) [Damià Benet]

16:30 - 18:30: 3.1.45 - Random Forest classificators for Stromboli volcano (Italy) to detect periods of higher probability of major or paroxysmal eruptions [Laura Sandri]

16:30 - 18:30: 3.1.46 - Machine Learning (ML) methods to address automated mineral segmentation and zonation pattern clustering: application for diffusion chronometry in volcanic rocks [Artem Leichter]

16:30 - 18:30: 3.1.47 - Introducing Orange-Volcanoes a Visual Tool for Petro-Volcanological Data Analysis: A Case Study in Petrological Volcano Monitoring [Alessandro Musu]

16:30 - 18:30: 3.1.48 - Decoding Volcanic Plume Dilution: A Data-Driven Approach to Magmatic Gas Signal Recovery [João Lages]

16:30 - 18:30: 3.1.49 - Integrating space- and ground-based observations for global monitoring of volcanic gas emissions [Viktor Ixion Mészáros]

16:30 - 18:30: 3.1.50 - Measuring topographic change due to volcanic eruptions using multistatic SAR satellites. [Juliet Biggs]

16:30 - 18:30: 3.1.51 - The Miniature Multispectral Thermal infrared Camera (MMT-gasCam) for volcanic monitoring: Laboratory calibration and first field data [Evan Collins]

16:30 - 18:30: 3.1.52 - Enhancing Volcanic Seismic Monitoring of Semeru Volcano Using Data Integration and Automated Workflows [Martanto Martanto]

16:30 - 18:30: 3.1.53 - Exploring Opportunities, Epistemological Challenges, and Risks of Machine Learning in Volcano Science [Maurizio Petrelli]

16:30 - 18:30: 3.1.54 - Volcanic tremor and deformation during the 2012-2023 lava fountains at Etna unveiled by high-precision strain signal [Luigi Carleo]

16:30 - 18:30: 3.1.55 - Evaluation of a random forest model to forecast paroxysms at Volcán de Fuego, Guatemala [Amelia Bain]

16:30 - 18:30: 3.1.56 - Reykjanes Peninsula: fires and faults as witnesses of a rifting episode [Nicolas Oestreicher]

16:30 - 18:30: 3.1.57 - Machine-learning-based Earthquake Catalog Reveals A Clearer View of the Current Phase of Unrest at Campi Flegrei Caldera [Xing Tan]

16:30 - 18:30: 3.1.58 - WITHDRAWN -Onset of diking recorded by pressure spikes in geothermal groundwater monitoring wells in Svartsengi geothermal area, SW-Iceland [Catherine Gallagher]

16:30 - 18:30: 3.1.59 - Radionuclides behavior in hydrothermal volcanic systems: Preliminary investigations at high and low gas flux emission sites [Giordano Bufi]

16:30 - 18:30: 3.1.60 - Comparing deep learning models for phase picking tasks [Sérgio Oliveira]

16:30 - 18:30: 3.3.9 - A timeline of post-eruption glacier development and glacier recovery in times of global warming – an example from Eyjafjallajökull volcano, Iceland and its 2010 eruption [Linda Sobolewski]

16:30 - 18:30: 3.3.10 - Noble gas isotopes at Deception Island (Antarctica) reveal degassing-derived eruptions and cosmogenic helium signatures: implications for the current high levels of volcanic activity and geochronology of its eruptive history [Antonio M. Álvarez-Valero]

16:30 - 18:30: 3.3.11 - Hydrogen (δD), oxygen (δ18O) and noble gas characterization of volcanics in the Hofsjökull volcanic area (Iceland): implications for magmatic degassing in sub- vs. post-glacial eruptions [Antonio M. Álvarez-Valero]

16:30 - 18:30: 3.3.12 - Size and Salt Matter: Key Ionic Controls on S-Scavenging by Water Droplets [Luke Brown]

16:30 - 18:30: 3.3.13 - Unravelling Transient Phreatomagmatism in the 1982-83 Galunggung Eruption through Grain Size and Textural Analysis of Pyroclasts [Tabegra Disando]

16:30 - 18:30: 3.3.14 - Decoding Water-Magma Dynamics through Ash Analysis at Torfajökull [Catherine Brown]

16:30 - 18:30: 3.3.15 - The role of hydroclimate on magma-water interactions at hydraulically-charged ocean island volcanoes [Mariana Andrade]

16:30 - 18:30: 3.3.16 - Volcanic controls on glacier elevation [Tryggvi Unnsteinsson]

16:30 - 18:30: 3.3.17 - Modeling the Effects of Ice and Volcanic Cone Loading on Dike Propagation in Arc Settings: Implications for Mocho-Choshuenco Volcano, Chile [Meredith Townsend]

16:30 - 18:30: 3.3.18 - Influence of the bedrock on maar fragmentation processes [Rémy Jubertie]

16:30 - 18:30: 3.3.19 - Damage Fractures as evidence of Fuel-Coolant-Interaction amplified fragmentation. Insights and comparisons from the 2022 Hunga and 1883 Krakatau eruptions. [JAMES D. L. white]

16:30 - 18:30: 3.3.20 - The role of magma diversion, withdrawal and groundwater in the excavation of craters and diatremes cut into the substrate [James White]

16:30 - 18:30: 3.3.21 - The Comparison of Xenoliths in Eruptive Deposits at Dotsero and Cerro Overo Maars [Julia Bruno]

16:30 - 18:30: 3.3.22 - The Chronology of the 15 January 2022 Hunga Eruption revealed through eye-witness descriptions, tephra and tsunami deposition [Joali Paredes-Mariño]

16:30 - 18:30: 3.3.23 - Volcano-glacier interactions during a silicic phreatoplinian eruption at Katla volcano in the Younger Dryas [Rosie Cole]

16:30 - 18:30: 3.3.24 - Historical small-scale phreatic eruptions at Milos Island (Greece) as seen from geological and archaeological investigations [Roberto Sulpizio]

16:30 - 18:30: 3.3.25 - Off-Rift Subglacial Volcanism in Iceland's Western Volcanic Zone: Hvalfell Analysis. [Birta Blondal]

16:30 - 18:30: 3.3.26 - New Perspectives on Ice Forcing in Continental Arc Magma Plumbing Systems [Brad Singer]

16:30 - 18:30: 3.3.27 - Newly identified hydromagmatic volcaniclastics of Isla Guadalupe, Mexico [James Muller]

16:30 - 18:30: 3.6.8 - Investigating transitions in eruption style at ocean island volcanoes using XCT analysis of bubble textures [Amy Kember]

16:30 - 18:30: 3.6.9 - An oscillatory rheology measurement of crystal-bearing molten magma [Atsuko Namiki]

16:30 - 18:30: 3.6.10 - Experimental analysis of slug regimes using kymography. [Hannah Calleja]

16:30 - 18:30: 3.6.11 - Chemical and textural analysis of tube forming lavas at Vesuvius (Italy) by EMPA and 3D X-ray micro-CT [Thomas Lemaire]

16:30 - 18:30: 3.6.12 - Textures, formation and implications of palisade bubbles within felsic pyroclastic products [Shannen Mills]

16:30 - 18:30: 3.6.13 - The Multiphase Viscosity of Lava: New Insights from Combining Laboratory and Field Measurements [Martin A. Harris]

16:30 - 18:30: 3.6.14 - Influence of bubbles on the extensional rheology and fragmentation of magma [Ceri Allgood]

16:30 - 18:30: 3.6.15 - The 62.5 Ma Dongri-Uttan rhyolite sequence, Mumbai area, Panvel flexure zone: late-Deccan effusive-explosive silicic eruptions during India-Seychelles continental breakup [Arunodaya Shekhar]

16:30 - 18:30: 3.6.16 - Slug formation in basaltic eruptions driven by rapid coalescence of bubbles [Takafumi Maruishi]

16:30 - 18:30: 3.6.17 - A rheological map of Mauna Loa Basalts [Stephan Kolzenburg]

16:30 - 18:30: 3.6.18 - Numerical simulation of nucleation, growth, and coalescence of bubbles in magma [Masatoshi Ohashi]

16:30 - 18:30: 3.6.19 - In-situ degassing of natural crystal-bearing silicic magmas [Francisco Cáceres]

16:30 - 18:30: 3.6.20 - The effect of microlites on the extensional rheology and fragmentation of basaltic magma [Ceri Allgood]

16:30 - 18:30: 3.6.21 - Effect of bubble dynamics in driving explosivity of peralkaline trachytic/phonolitic magmas [Lorenzo Cappelli]

16:30 - 18:30: 3.6.22 - Textural evolution of pyroclastic products of the Villarrica volcano between 2015-2024: insights into its eruptive style transitions [Flavia Rojas Guzmán]

16:30 - 18:30: 3.6.23 - Exploring Textural Signatures of Submarine Volcanism in Rafted Pumice from the 2019 Eruption of Volcano F, Tonga [Sarah Ward]

16:30 - 18:30: 3.6.24 - A constitutive equation for the viscosity of bubbly magmas [Gaetano Ferrante]

16:30 - 18:30: 3.6.25 - Formation of obsidian by resorption of volatiles during slow cooling [Ed Llewellin]

16:30 - 18:30: 3.6.26 - The role of bubble-crystal interactions in the eruption dynamics of alkaline magmas: implications for Vesuvius volcano [Fabio Arzilli]

16:30 - 18:30: 3.6.27 - Toward an experimentally validated kinetic model of polydisperse bubble population dynamics [Simone Colucci]

16:30 - 18:30: 3.6.28 - Insights into fragmentation and densification processes from a fossilised shallow conduit on the flank of the Nevados de Chillán Volcanic Complex [Flavia Rojas Guzmán]

16:30 - 18:30: 6.1.7 - Neglecting future sporadic volcanic eruptions underestimates climate uncertainty [May Man Mei Chim]

16:30 - 18:30: 6.1.8 - Effects of extreme volcanic eruptions on tree-ring growth in temperate Mexican forests: Dendrochronological evidence. [Nahir Guadarrama]

16:30 - 18:30: 6.1.9 - Clinopyroxene rim geochemistry: A tephrochronological proxy in maar-lake sediments of the Eifel, Germany [Frederik Krebsbach]

16:30 - 18:30: 6.1.10 - CO2 budget of Eocene Iranian magmas and their potential contribution to the Middle Eocene Climatic Optimum [Lea Ostorero]

16:30 - 18:30: 6.1.11 - A cluster of major stratospheric eruptions at the end of the Little Ice Age: new insights from polar ice core records [William Hutchison]

16:30 - 18:30: 6.1.12 - The compounding climate impact of the 5.6ky BCE eruption of Mount Mazama [Evelien van Dijk]

16:30 - 18:30: 6.1.13 - Evolution of volcanic eruptions with environmental change at Katla and Eyjafjallajökull volcanoes [Rosie Cole]

16:30 - 18:30: 6.1.14 - Unprecedented growth of volcanic aerosols in vorticized volcanic plume parts from 2019 Raikoke eruption (Kuril Islands) [Marie Boichu]

16:30 - 18:30: 6.1.15 - Historical stratospheric aerosol optical properties and volcanic sulfur emissions for the next generation of climate models [Thomas Aubry]

16:30 - 18:30: 6.1.16 - Pumice and Ash [Camille Pastore]

16:30 - 18:30: 6.1.17 - Societal Responses and Impacts from Volcano-Induced Climate Shocks [Mike Cassidy]

16:30 - 18:30: 6.1.18 - What if? Quantifying exposure to high-impact low-probability eruptions [Elinor Meredith]

16:30 - 18:30: 6.1.19 - Six million years long Bayesian chronology of VEI 7+ eruptions recorded by a tephra sequence on the Detroit Seamount, NW Pacific [Egor Zelenin]

16:30 - 18:30: 6.1.20 - Patterns of Plio-Pleistocene Ice Volume Variability Recorded by the Large-Magnitude Explosive Eruptions from the Kamchatka-Kurile Volcanic Arc [Susanne M Straub]

16:30 - 18:30: 6.6.4 - Chronic volcanic ash exposure alters male fertility mediated by oxidative stress-related isotopic variations and hepatic alterations [Lucie Sauzéat]

16:30 - 18:30: 6.6.5 - Multiple impacts caused by CO2 diffusely released from soils in volcanic environments [Fátima Viveiros]

16:30 - 18:30: 6.6.6 - Integrated Analysis of Volcanic Ash Morphology and its Impact on Respiratory Health: Insights from the 2021 Tajogaite Eruption [Beverley Coldwell]

16:30 - 18:30: 6.6.7 - Biological effects of co-exposure to Tajogaite volcano (La Palma, Spain) ash and sulphur dioxide gas in human lung cells [Ines Tomasek]

16:30 - 18:30: 6.6.8 - Role of pristine and remobilised tephra in coastal manganese cycles and its impact on coral reef physiology [Frank Förster]

16:30 - 18:30: 6.6.9 - How does volcanic mercury impact the environment? A time-integrated analysis of mercury dispersion and accumulation in plants, insects, and soils at Mt Etna (Italy) [Alexandra Lang]

16:30 - 18:30: 6.6.11 - Surface analyses of the ash from the 2021 Tajogaite eruption, La Palma, reveals compositional diversity and complex formation pathways of fluoride-bearing compounds [Pierre Delmelle]

16:30 - 18:30: 6.6.12 - Origins of a public health hazard: Crystalline silica in respirable volcanic ash from the May 18, 1980 Mount St Helens eruption [David Damby]

16:30 - 18:30: 7.1.7 - Knowledge co-creation: Lived experiences shared in the local languages for an experiential knowledge-based volcano risk communication [Ma. Mylene Martinez-Villegas]

16:30 - 18:30: 7.1.8 - Co-creation for enhanced geohazards awareness and communication, through geosites knowledge [Rasia Shajahan]

16:30 - 18:30: 7.1.9 - Matatuhi: Forecasting and environmental tohu, examples from Aotearoa-NZ [Michael Smith]

16:30 - 18:30: 7.1.10 - Upper Miocene Mtkvari Ignimbrite Geoheritage, Lesser Caucasus, Georgia: A historical ritual, defensive and residential area [Avtandil Okrostsvridze]

16:30 - 18:30: 7.1.11 - The volcanic geoheritage of the Kurile-Kamchatka Arc [Olga Bergal-Kuvikas]

16:30 - 18:30: 7.1.12 - Volcanic Risk Perception from Mounts Cameroon and Nyiragongo Eruptions, Central Africa [Mabel Wantim]

16:30 - 18:30: 7.1.13 - Illustrated works present potential and challenge in holistic communication of volcanic and cultural heritage to public [Ailsa Naismith]

16:30 - 18:30: 7.1.14 - Exploring volcanic hazard perceptions in Andean communities around Quilotoa and Cuicocha volcanoes (Ecuador) [Pablo Samaniego]

16:30 - 18:30: 7.1.15 - Volcanic Geoheritage of Datça Peninsula, Muğla, Türkiye [Gonca Gençalioğlu Kuşcu]

16:30 - 18:30: 7.1.16 - Nisyros Aspiring UNESCO Global Geopark: Communicating Volcanic Heritage to Local and Global Audiences [Paraskevi Nomikou]

16:30 - 18:30: 7.1.17 - Tangible and intangible cultural values of volcanic geoheritage in the Newer Volcanics Province, Australia: a geosystem services perspective [Heather Handley]

16:30 - 18:30: 7.1.18 - Volcanic Geoheritage and Geotourism in Volcanic Geoparks in China [Kejian Xu]

16:30 - 18:30: 7.1.19 - Volcanic geoheritage on active volcanic islands (Tenerife, Spain) to promote the geotourism in sun and beaches mass tourism destinations [Javier Dóniz-Páez]

16:30 - 18:30: 7.1.20 - Interconnected initiatives to promote volcanic risk awareness by leveraging geoheritage in Arequipa, Peru. [Julie Morin]

16:30 - 18:30: 7.1.21 - Indigenous placenames of Alaska volcanoes: accessing hidden information for better understanding and communication about hazards [Cheryl Cameron]

16:30 - 18:30: 7.2.9 - Philippine Case Study on Strengthening Multilingual Volcano Risk Communication [Fatima Moncada]

16:30 - 18:30: 7.2.10 - How to deal with a long recurrence rate volcanic hazard of dispersed volcanic fields with high geoheritage values? Geohazard in a geoheritage context [Karoly Nemeth]

16:30 - 18:30: 7.2.11 - A Volcanic Risk Ranking for Ecuadorian Volcanoes: Are 10,000 years enough to recognize the difference between risk and hazard? [Fernanda Naranjo]

16:30 - 18:30: 7.2.12 - Communication of volcanic hazard and risk for Decision Making: Lessons Learned from Geohazards studies For Tsunami And Other Geo-Disasters along Coastal Regions. [Kalpana Chaudhari]

16:30 - 18:30: 7.2.13 - How to frighten people with impending eruption in a country with no active volcano? The shared responsibility of media and scientists [Alexandru Szakács]

16:30 - 18:30: 7.2.14 - Surveying Visitors at Askja Volcano, Iceland [Brooke Benz]

16:30 - 18:30: 7.2.15 - The possible factors contributing to fatalities and injuries during the 2019 Whakaari/White Island disaster in New Zealand [Ray Cas]

16:30 - 18:30: 7.2.16 - Asserting the role of volcano observatories in the context of Sendai commitments and Early Warnings for All [Andrew Tupper]

16:30 - 18:30: 7.2.17 - Explosive eruptions at French overseas volcanoes: Simulation and integration into volcano emergency plans [Audrey Michaud-Dubuy]

16:30 - 18:30: 7.2.18 - Science advice for enhanced spatial planning in volcanic regions [Scira Menoni]

16:30 - 18:30: 7.2.19 - Hazard and risk assessment for fault movements on the Reykjanes peninsula, Iceland [Ásta Rut Hjartardóttir]

16:30 - 18:30: 7.2.20 - Regulatory Sciences, a way of clarifying the roles and responsibilities of researchers in their missions? [Agathe CHIROSSEL]

16:30 - 18:30: 7.2.21 - Volcanic Risk Perception in the city of Olot (Garrotxa Volcanic Field, Catalonia) [Adelina Geyer]

16:30 - 18:30: 7.2.22 - Lahar Ready: Enhancing Communication of Lahar Hazard around Mt Rainier, USA [James Christie]

16:30 - 18:30: 7.2.23 - A call for consistency: defining. "Erupting, Active, Dormant, and Extinct" volcanoes [Ben Kenendy]

16:30 - 18:30: 7.2.24 - Exploring Anticipated Evacuation Behavior Among Parents around Mt Rainier, USA [Jessica Ghent]

16:30 - 18:30: 7.2.25 - A long-term volcanic hazard and risk assessment for the Reykjanes peninsula, Iceland. Overview and communication with stakeholders [Bergrún Arna Óladóttir]

16:30 - 18:30: 7.2.26 - Volcano tourism: a reflection from an IAVCEI working group [Alessandro Bonforte]

16:30 - 18:30: 7.2.27 - Canary Islands Volcanic Risk Reduction Strategy [Nemesio M. Pérez]

16:30 - 18:30: 7.2.28 - Theory and reality in adopting best-practice guidelines during a volcanic crisis [Christopher Kilburn]

16:30 - 18:30: 7.2.29 - Modernizing Volcanic Hazard Communication: Open-Source Posters Bridging Science, Art, and Global Outreach [Eric Breard]

16:30 - 18:30: 7.2.30 - Volcano tourism at Villarrica Volcano: a first compromise between private operators, volcanologists and authorities [Alvaro Amigo]

16:30 - 18:30: 7.2.31 - A Volcanic Risk Ranking for Ecuadorian Volcanoes: What is enough to recognize the difference between risk and hazard? [FERNANDA NARANJO]

Room Poster Hall : Tuesday - 01.07.25

16:30 - 18:30: 1.3.8 - Crystal size distribution (CSD) in a lava sample from Ruapehu volcano, New Zealand: a case study comparing the use of semi-automatic tools in 2D versus 3D images. [Silvia Catalina Moreno Alfonso]

16:30 - 18:30: 1.3.9 - Constraining ascent velocities of the world's youngest kimberlite magmas using diffusion chronometry modelling [Jessica Rawlings]

16:30 - 18:30: 1.3.10 - Rapid assembly of a super-sized magma body over a millennial timescale [Xuanyu Chen]

16:30 - 18:30: 1.3.11 - Sequential triggers of Plinian eruptions at Sakurajima Volcano inferred from multi-diffusion analyses [Naoki Araya]

16:30 - 18:30: 1.3.12 - Mush disaggregation and dike propagation timescales at active volcanoes – Evidence from the 2022-2023 Fagradalsfjall eruptions [Alberto Caracciolo]

16:30 - 18:30: 1.3.13 - Entire magmatic evolution of the Kikai caldera revealed by zircon triple (U-Pb, Th-Pb, U-Th) dating and its chemistry [Hisatoshi Ito]

16:30 - 18:30: 1.3.14 - Magma ascent within days confirmed by systematic diffusion modelling on xenocrystic olivine across the Auckland volcanic field, New Zealand [Jie Wu]

16:30 - 18:30: 1.3.15 - Cooling rates and crystal residence times in plutonic rocks determined by diffusion chronometry (Adamello batholith, Italy) [Thomas Grocolas]

16:30 - 18:30: 1.3.16 - Reconstructing the geological record of caldera-forming eruptions on Sumatra (Indonesia) [Francesca Forni]

16:30 - 18:30: 1.3.17 - Assigning an eruption age: The challenges of dispersed single crystal Ar-Ar ages and insights from geochemistry [Hayden Dalton]

16:30 - 18:30: 1.3.18 - Geological constraints on the crystallization timescales of high-silica magmas and the diffusivity of Ti in quartz in the Searchlight Magmatic System (NV, USA) [Ayla Pamukcu]

16:30 - 18:30: 1.3.19 - Magmatic timescales prior to the 2014-15 eruption at Fogo, Cape Verde: Insights from diffusion chronometry of olivines and clinopyroxenes [Ross Hassard]

16:30 - 18:30: 1.3.20 - Kinetics of mafic magma ascent leading to monogenetic eruptions (Chaîne des Puys, France). [Thomas Pereira]

16:30 - 18:30: 1.3.21 - Melt Loss by Repacking in Magma Mushes: Analogue Phase Separation Experiments and Natural Systems [Darien Florez]

16:30 - 18:30: 1.3.22 - Homogeneous mush and sub-solidus carapace feed post-caldera volcanism within the Toba Caldera [Alejandro Cisneros de León]

16:30 - 18:30: 1.3.23 - Investigating magmatic kinship and evolution in a recent arc-related explosive silicic conflagration: Volcán Huaynaputina and Ticsani in southern Peru [Abby Gillen]

16:30 - 18:30: 1.3.24 - Longevity and Thermal Evolution of the Magmatic System Associated with the Cerro Blanco Volcanic Complex, Southern Puna: Insights from Zircon Petrochronology [Shanaka de Silva]

16:30 - 18:30: 1.3.25 - Understanding the Ecuadorian Rhyolite Province: A Petrochronologic Investigation of a Rhyolitic Flare-up in the Northern Andes of Ecuador [Marykathryn Campos]

16:30 - 18:30: 1.4.5 - WITHDRAWN -Major, Early Volcanism on Terrestrial Planets [Paul Byrne]

16:30 - 18:30: 1.4.6 - Comparative analysis of surface roughness in lava flows on Mercury and signatures from Hawaiian volcanic terrain [Liliane Burkhard]

16:30 - 18:30: 1.4.7 - The role of volcanism and mantle dynamics in the long-term evolution of Venus' atmosphere: outgassing and volatile sink. [Cedric Gillmann]

16:30 - 18:30: 1.4.8 - What is the eruptive flux on Venus? Comparison with Earth and Suggestions for Targeted Observations by VenSAR [Matt Pritchard]

16:30 - 18:30: 1.4.9 - Modelling displacement and fracturing dynamics around magma intrusions: laccoliths on the Moon, Mars, and in the Polish Sudetes [Sam Poppe]

16:30 - 18:30: 1.4.10 - High-resolution investigation of small volcanic features can deepen our understanding of eruption dynamics on Mars [Bartosz Pieterek]

16:30 - 18:30: 1.4.11 - Sinuous Volcanic Channels on Tharsis Montes (Mars) Rift Aprons [Kijani Derenoncourt]

16:30 - 18:30: 1.4.12 - A magmatic origin for floor-fractured craters in the Southern Highlands of Mars [Alexandra Le Contellec]

16:30 - 18:30: 1.4.13 - Magmatic and Tectonic Processes in Amazonis Planitia: Implications for Late Amazonian Volcanism [Christopher Hamilton]

16:30 - 18:30: 1.4.14 - Insights into volcanism on Io using sulfur isotopes [Ery Hughes]

16:30 - 18:30: 1.4.15 - Shallow Cryovolcanic Melt as a Test of Subduction in Europa's Ice Shell [Stephanie Menten]

16:30 - 18:30: 1.6.5 - A geomorphological analysis of the 2021–2023 Fagradalsfjall eruption series [Madison Tuohy]

16:30 - 18:30: 1.6.6 - From Lava to Life: Microbial Colonization in Volcanic Environments [Solange Duhamel]

16:30 - 18:30: 1.6.7 - Continuous sampling and investigation of volcanic ash to monitor eruption sequence at andesitic volcanoes in Japan [Taketo Shimano]

16:30 - 18:30: 1.6.8 - Determining the mantle δ18O signature of the 1730-1736 Timanfaya eruption, Lanzarote [Valentin Troll]

16:30 - 18:30: 1.6.9 - The 2022 Meradalir eruption of the 2021-23 Fagradalsfjall Fires, Reykjanes Peninsula, and associated phenomena [William Moreland]

16:30 - 18:30: 1.6.10 - Lava fountaining dynamics on 4 of May during the 2021 Geldingardalir eruption, Reykjanes Peninsula, Iceland. [Jóna Sigurlína Pálmadóttir]

16:30 - 18:30: 1.6.11 - Rapid geochemical and petrologic monitoring of Kīlauea's recent eruptions [Elisabeth Gallant]

16:30 - 18:30: 1.6.12 - Diffuse He/CO2 and H2/CO2 from Cumbre Vieja volcano during the Tajogaite eruption, La Palma, Canary Islands [Gladys V. Melián]

16:30 - 18:30: 1.6.13 - Eruptive dynamics of a long-lasting, hybrid eruption: physical and textural characterization of the 2021 Tajogaite eruption (La Palma, Spain) [Marija Voloschina]

16:30 - 18:30: 1.6.14 - Does benchtop micro-XRF fill volcano petrology's value gap? An appraisal using the Tajogaite eruption time-series, La Palma, Canary Islands [Matthew Pankhurst]

16:30 - 18:30: 3.2.12 - Increased magma recharge at Sakurajima over the past 500 years [Christian Huber]

16:30 - 18:30: 3.2.13 - A molecular-scale origin of non-Newtonian behavior of silicate melts revealed by time-resolved X-ray diffraction under tension, compression and shear [Satoshi Okumura]

16:30 - 18:30: 3.2.14 - An experimental study of the melting of a magmatic mush by heating from a hot basal intrusion [Olivier Roche]

16:30 - 18:30: 3.2.15 - Melting of host rocks by a shallow sill intrusion [Oleg Melnik]

16:30 - 18:30: 3.2.16 - Numerical model of two-phase magma flow with bubble coalescence [Cassandre Lebot]

16:30 - 18:30: 3.2.17 - A conduit model coupling two-phase magma flow with gas chemistry [Alain Burgisser]

16:30 - 18:30: 3.2.18 - Experimental simulation of diktytaxitic groundmass formation [Michihiko Nakamura]

16:30 - 18:30: 3.2.19 - An experimental assessment of plagioclase shape as a proxy for mush solidification timescales [Amanda Lindoo]

16:30 - 18:30: 3.2.20 - From source to surface: Explosivity of peralkaline magmas investigated through the Rungwe Pumice Eruption (Tanzania) case study [Lorenzo Cappelli]

16:30 - 18:30: 3.2.21 - The impact of recurrence time on magmatic systems response to repeated edifice collapse. [Shannen Mills]

16:30 - 18:30: 3.2.22 - Oriented flow textures of magma mingling and mixing within a dyke: the basaltic-rhyolitic Streitishvarf composite dyke, Eastern Iceland [Tegan Havard]

16:30 - 18:30: 3.2.23 - Mechanical controls on fluid flow in healed magmas: Insights from natural and experimental investigation [Honor James]

16:30 - 18:30: 3.2.24 - Multiple mush generations provide insight into the longevity of open conduit basaltic volcanoes [Chiara Maria Petrone]

16:30 - 18:30: 3.2.25 - Magma ascent processes during the 1977 eruption of Usu volcano inferred from petrological and experimental studies [Shuhei Hotta]

16:30 - 18:30: 3.2.26 - Transient numerical conduit model of magma ascent for explosive basaltic eruptions [Giuseppe La Spina]

16:30 - 18:30: 3.2.27 - A volcanic bomb as a natural laboratory: insights on melt evolution driven by swift crystallization kinetics during the 2022 Hunga eruption, Tonga [Alessio Pontesilli]

16:30 - 18:30: 3.2.28 - Early evolution of the Palaeogene Mull volcano: An integrated volcanological and geochemical approach [Fiona Goddard]

16:30 - 18:30: 3.2.29 - Volcanic carbonatites: reconstructing the sodium content through experimentally determined apatite-carbonatite melt partition coefficients [Simone Marioni]

16:30 - 18:30: 3.2.30 - Pyroclast microtextures reveal complex fragmentation history in mafic magmas (Cumbre Vieja, Stromboli, Etna, et al.) [Jacopo Taddeucci]

16:30 - 18:30: 3.2.31 - The origin of maars at the type locality Eifel (Germany): H2O or CO2? [Mari Sumita]

16:30 - 18:30: 3.2.32 - Numerical modelling of cooling magmatic bodies. Application to Krafla volcano. [Gabriel Girela Arjona]

16:30 - 18:30: 3.2.33 - Constraining pre- and syn-eruptive conditions and processes of the Montagnone eruptive sequence (Ischia, Italy): Implications for transitions in eruptive style in trachytic magmatic systems [Loïc Maingault]

16:30 - 18:30: 3.2.34 - Effect of bubbles on the rheology of crystal-rich magma [Weiwei Ma]

16:30 - 18:30: 3.2.35 - Pre- and syn-eruptive conditions of the 1631 and 1944 eruptions of Vesuvius volcano: implications for eruptive style transition [Rebecca Cavallera]

16:30 - 18:30: 3.2.36 - Conduit evolution during explosive activity at an andesitic stratovolcano, an example from Taranaki Mounga, New Zealand [Henry Hoult]

16:30 - 18:30: 3.2.37 - 3D visualisation of nanolite aggregation in basaltic magmas using X-ray ptychography: Implications for magma rheology [Emily Charlotte Bamber]

16:30 - 18:30: 3.2.38 - Comparative petrological study of Pico de Orizaba and Nevado de Toluca stratovolcanoes, Mexico [Clothilde Leeloo Jost]

16:30 - 18:30: 3.2.39 - A petrological model for use in thermo-chemical-mechanical models of magmatic system dynamics [Tobias Keller]

16:30 - 18:30: 3.2.40 - Numerical modelling of magma ascent dynamics of the 2021 Cumbre Vieja eruption: Insights into conduit processes and eruptive style transitions in mafic systems [Elisa Biagioli]

16:30 - 18:30: 3.2.41 - Direct observation of vesiculation dynamics in basaltic magmas via in-situ X-ray radiography [Barbara Bonechi]

16:30 - 18:30: 3.2.42 - Magma mixing drastically enhanced by fragmentation and sintering [Yan Lavallée]

16:30 - 18:30: 3.2.43 - Viscous sintering under load and its implications for the development of permeability anisotropy [Anthony Lamur]

16:30 - 18:30: 3.2.44 - Vesicle evolution during rhyolitic Plinian eruptions [JongGil Park]

16:30 - 18:30: 3.2.45 - Porous-permeable evolution of sintering polydisperse, fragmental, hydrous magma [Julia Schunke]

16:30 - 18:30: 3.2.46 - Textural and geochemical evidence for melt extraction from a magma mush in Aztec Wash Pluton (Nevada, USA) [Elizabeth Teeter]

16:30 - 18:30: 3.2.47 - Magma fragmentation in scoria cones, a comparative study of Cinder Cone (California, USA), Sunset Crater (Arizona, USA) and Paricutin (Michoacan, Mexico) [Grégoire Pasdeloup]

16:30 - 18:30: 3.5.12 - Another Type of Pseudocrater? [Dennis Geist]

16:30 - 18:30: 3.5.13 - Structural continuity across an oblique rift and a transform zone in southwest Iceland. [Yohann Chatelain]

16:30 - 18:30: 3.5.14 - Submarine Explosive Volcanism at the Northern Reykjanes Ridge [Jonas Preine]

16:30 - 18:30: 3.5.15 - The offshore imprint of the 2008 eruption of Chaitén, Chile [Kerys Meredew]

16:30 - 18:30: 3.5.16 - Stratigraphy and sedimentary facies of lahar deposits at Chaitén volcano, Chile [Kyoko Kataoka]

16:30 - 18:30: 3.5.17 - Analysis of the 4 December 2021 lahar on Mount Semeru using remote sensing data. [Samuel McGowan]

16:30 - 18:30: 3.5.18 - Evaluation of lahar modelling techniques for informing risk reduction practices in emergency management and critical infrastructure operation. A case study of Taranaki Mounga, Aotearoa, New Zealand. [Zoë Bowbrick]

16:30 - 18:30: 3.5.19 - Measurement protocol proposal for the rheological characterization of volcanic sediment suspensions [Carla Gisela Tranquilino Espinoza]

16:30 - 18:30: 3.5.20 - Forty years of fluvial adjustment in response to persistent volcanic sedimentation from Santiaguito Volcano, Guatemala [James Christie]

16:30 - 18:30: 3.5.21 - The Valley Palimpsest: Relicts of compounding volcanic, glacial and fluvial processes in valley systems of the Garibaldi Volcanic Belt, Canada [Annie Borch]

16:30 - 18:30: 3.5.22 - Unravelling an arc-derived Miocene explosive eruptive record preserved in the North Patagonian Andean retro-arc [Manuel López]

16:30 - 18:30: 3.5.23 - The Pliocene Paletará Caldera: the largest known eruption at the Northernmost Andes in Colombia [Juan Alvarez-Silva]

16:30 - 18:30: 3.5.24 - Developing quantitative predictive models of ignimbrite sheet architecture: a case study of the Abrigo Ignimbrite, Tenerife [Leah Gingell]

16:30 - 18:30: 3.5.25 - Interpreting volcano-sedimentary processes in meta-ophiolite complex: a case study from Southern Italy [Federica Barilaro]

16:30 - 18:30: 3.5.26 - Analyzing decadal changes of laccolith thermal features at Puyehue-Cordon Caulle, Chile using satellite, field, and drone observations to understand near surface magmatic processes [Andrea Gomez-Patron]

16:30 - 18:30: 3.5.27 - Dynamics of Magmatic Processes and Subsurface Structures Unveiled: A Geophysical Study in the Hainan volcanic field [Xiangyu Sun]

16:30 - 18:30: 3.5.28 - Volcanic architecture of the Taranaki Volcanic Lineament, New Zealand: Insights from LiDAR-based terrain analysis [Szabolcs Kósik]

16:30 - 18:30: 3.5.29 - The application of high resolution (2m) EarthDEM and ArcticDEM digital elevation models to detect and quantify volcanic activity: successes and challenges [Federico Galetto]

16:30 - 18:30: 3.5.30 - Factors controlling the long-term morphological evolution of composite volcanoes through erosion: A comparison between Japan and Indonesia [Roos van Wees]

16:30 - 18:30: 3.5.31 - How does volcano internal structure and lithological contrasts control edifice erosion and morphologic evolution? [Daniel O'Hara]

16:30 - 18:30: 3.5.32 - Analyzing the effects of spatial gradients and temporal variability in rainfall on long-term erosion in tropical environments using landscape evolution modeling on Réunion Island, Indian Ocean [Daniel O'Hara]

16:30 - 18:30: 3.5.33 - Geomorphology of Rodrigues Island, Indian Ocean: implications for the Réunion hotspot [Loraine Gourbet]

16:30 - 18:30: 3.5.34 - Morphology, structure and hydrothermal alteration of piggybacking crater structures at Pico del Teide (Tenerife, Canary Islands) as analysed by high-resolution photogrammetry, image analysis, and rock sample analysis [Davitia James]

16:30 - 18:30: 3.5.35 - Evolution of the Songshan complex (Tatun Volcanic Group, northern Taiwan) from geomorphological mapping, 40Ar-39Ar dating, petrology and geochemistry [Shih Jui Lin]

16:30 - 18:30: 3.5.36 - VolcPack: an all-in-one package for volcano morphology delineation, analysis, and reconstruction [Matthieu Kervyn]

16:30 - 18:30: 3.5.37 - A review on the current knowledge of tephra remobilization from scoria cone eruptions [Natalia Villalba]

16:30 - 18:30: 3.5.38 - How the size of scoria cones controls morphological response to erosive processes: insights from numerical models. [Maria Cristina Zarazua Carbajal]

16:30 - 18:30: 3.5.39 - Block analysis from lava dome collapse deposits [Thomas Johnston]

16:30 - 18:30: 3.5.40 - Insights into the 2020 instability crisis of Mt Merapi through numerical modeling [Michael Galárraga]

16:30 - 18:30: 3.5.41 - Modelling landslide dynamics of the pore-pressure induced 2012 Te Maari debris avalanche. [Juliette Vicente]

16:30 - 18:30: 3.5.42 - Volcanic debris avalanche propagation mechanisms and dynamics: The importance of lithological properties [Symeon Makris]

16:30 - 18:30: 3.5.43 - Measurements of muon flux in Nirasaki debris avalanche deposit around the southern foot of the Yatsugadake volcanic chain in central Japan by using compact cosmic ray muon detectors [Satoshi Goto]

16:30 - 18:30: 3.13.7 - Records of Katla's explosive past preserved in archaeological contexts and fossil beaches in Norway [Anke Verena Zernack]

16:30 - 18:30: 3.13.8 - Marine tephrostratigraphy in the Sunda Strait (Indonesia) [Julie Belo]

16:30 - 18:30: 3.13.9 - Upper Miocene volcanic ash layers from central Italy: tracking down the volcanic source [Matteo Roverato]

16:30 - 18:30: 3.13.10 - High-resolution Reconstruction of the 10,000-year history of Asama-Maekake volcano, central Japan [Maya Yasui]

16:30 - 18:30: 3.13.11 - Using the tephra record to refine the dating of a West Antarctic ice core [Sinéad Flanigan]

16:30 - 18:30: 3.13.12 - Divided by Geochemistry, United by Geochronology: Tephrochronological Challenges in Turkana Basin, Kenya [Saini Samim]

16:30 - 18:30: 3.13.13 - Santorini's eruptive past from new deep-drilled marine tephra records. IODP Expedition 398 Hellenic Arc Volcanic Field. [Katharina Pank]

16:30 - 18:30: 3.13.14 - Integrated proximal-distal Tephrochronology of Towada Caldera, northern Honshu (Japan) [Emma Watts]

16:30 - 18:30: 3.13.15 - Tephrostratigraphy and geochemical correlation of Mount Erciyes parasitic tephra rings with distal Mediterranean S1 Ash Records [Xavier Bolós]

16:30 - 18:30: 3.13.16 - Bayesian age modeling of a MIS 9 to 8 tephra sequence on the Kamchatka Peninsula (NW Pacific) [Egor Zelenin]

16:30 - 18:30: 3.13.17 - Correlating Black Sea (crypto-)tephras to reconstruct the recent explosive volcanic history of Central Anatolian volcanoes [Ivan Sunye Puchol]

16:30 - 18:30: 3.13.18 - Volcanic Ash Dispersion across the Antarctic Plateau: Integrating paleo geochemical studies with ash dispersion modeling [Ginevra Chelli]

16:30 - 18:30: 3.13.19 - Refining the marine tephrostratigraphy of the central Mediterranean (40-90 ka): New insights into Late-Pleistocene Campanian explosive volcanism [Molly Flynn]

16:30 - 18:30: 3.13.20 - Extending La Reunion Island volcanic record to the Mid-Pleistocene: Insights from deep-sea sediments and tephrostratigraphic analysis [Elodie Lebas]

16:30 - 18:30: 3.15.10 - Quantifying compaction deformation of volcaniclastic deposits [Edgar Zorn]

16:30 - 18:30: 3.15.11 - Aeolian remobilisation of volcanic ash: What do we know, What do we need? [Lucia Dominguez]

16:30 - 18:30: 3.15.12 - Innovative and cost-effective instrumentation to study volcanic ash remobilisation by aeolian processes: application at Copahue volcano (Argentina) [Allan Fries]

16:30 - 18:30: 3.15.13 - Development of a simplified method for estimating grain size distribution of pyroclastic fall deposits using image analysis [Yasuaki Kaneda]

16:30 - 18:30: 3.15.14 - Building a modular, cost-effective visible-wavelength camera network for volcano monitoring [Riccardo Simionato]

16:30 - 18:30: 3.15.15 - In-situ evidence of ash aggregation during volcanic cloud sedimentation [Simon Thivet]

16:30 - 18:30: 3.15.16 - UAV magnetic surveys to enhance observational capabilities at Mt. Etna and Vulcano Island [Rosalba Napoli]

16:30 - 18:30: 3.15.17 - The dynamic summer of 2024 at Etna volcano documented by UAS: morphological changes and their gravimetric effects [Emanuela De Beni]

16:30 - 18:30: 3.15.18 - Towards real-time quantification of tephra fallout deposits using optical disdrometers [Valentin Freret-Lorgeril]

16:30 - 18:30: 3.15.19 - Disdrometer measurements of tephra fallout from the Tajogaite 2021 eruption (La Palma island, Spain) [Franck Donnadieu]

16:30 - 18:30: 3.15.20 - Integrated High-Frequency Monitoring of Strombolian Explosions: Insights from Multi-Parameter Time Series Data [Elisabetta Del Bello]

16:30 - 18:30: 3.15.21 - STRUCTURAL CONTROL ON ACTIVE VOLCANOES: A TOOL TOWARDS AN IMPROVED UNDERSTANDING OF VOLCANIC DYNAMICS AND MONITORING DATA [Nicolas Vigide]

16:30 - 18:30: 3.15.22 - Mogoșa, a Miocene composite volcano in the East Carpathians (NW Romania) generated by long-lived dome-building activity [Alexandru Szakács]

16:30 - 18:30: 3.15.23 - Crater Rims or Graben Faults? Ground-Penetrating Radar Insights into the Eldgjá Canyon Formation, Iceland [Diana Brum da Silveira]

16:30 - 18:30: 3.15.24 - New scientific approaches for understanding lava tube formation and preservation [Daniele Morgavi]

16:30 - 18:30: 3.15.25 - 60 years of ground deformation analysis at Kīlauea volcano using geodetic measurements and air photos correlation [Stefano Mannini]

16:30 - 18:30: 3.15.26 - Understanding shallow magma rheology and eruption dynamics at Volcán de Fuego, Guatemala [Amelia Bain]

16:30 - 18:30: 3.15.27 - Measuring gas and aerosol fluxes with multispectral TIR image data: Bridging the gap between ground and satellite scales [Jean-François Smekens]

16:30 - 18:30: 3.15.28 - Mechanisms of degassing: inducing magma vesiculation via impact [Klara Heinrigs]

16:30 - 18:30: 3.15.29 - Decoupled gas bubbles and lava ponding: decoding the drivers of lava fountain dynamics and evolution through analogue laboratory experiments [Ariane Loisel]

16:30 - 18:30: 3.15.30 - Investigating vesiculation and crystallisation in volcanic systems: what we have learned in the last 10 years by combining 4D experiments, models and natural observations [Margherita Polacci]

16:30 - 18:30: 3.15.31 - Analogue experiments to show the effect of buoyancy on surface deformation amplitude above an inflating magma chamber [Alexandra Morand]

16:30 - 18:30: 3.15.32 - Characterising the tensile strength of volcanic rocks at a broad range of strain rates [Korbinian Brauneis]

16:30 - 18:30: 3.15.33 - FORCE: The United States' Newest IHPV Laboratory [Kara Brugman]

16:30 - 18:30: 3.15.34 - Quantitative thermal flux retrievals with multispectral TIR data: Bridging the scale gap. [James Thompson]

16:30 - 18:30: 3.15.35 - A framework for ignimbrite analysis methodologies for modelling and hazard evaluation [Rebecca Williams]

16:30 - 18:30: 3.15.36 - Shortening wait times for volcano 'blood tests' using a correlative and collaborative hardware solution [Matthew Pankhurst]

16:30 - 18:30: 3.16.8 - Voluminous sediment recycling revealed by Pakistan volcanoes in the Makran arc [Yunying Zhang]

16:30 - 18:30: 3.16.9 - Pathways and Vents of Dyke Intrusion: Insights from Analog Experiments with Silica Powder [Ryo Tanaka]

16:30 - 18:30: 3.16.10 - Combining Ash Characteristics, Geophysical Data, and Visual Observations to Understand the 2022 Eruption of San Miguel Volcano, El Salvador [Dennis Lemus]

16:30 - 18:30: 3.16.11 - Volcanic ash erupted at Stromboli before the 2024 paroxysm adds a new piece to the feeding system puzzle [Claudia D'Oriano]

16:30 - 18:30: 3.16.12 - Multi-isotopes (Sr-Nd-Pb-O-B) as indicators genesis of basaltic-andesitic ignimbrites and influence of meteoric-hydrothermal system at Verkhneavachinskaya caldera, Kamchatka [Olga Bergal-Kuvikas]

16:30 - 18:30: 3.16.13 - Cracking under pressure: Investigating ductile failure in magmatic systems [Alexcia Dunn]

16:30 - 18:30: 3.16.14 - The ejection and cooling rate of pyroclasts during mafic explosive eruptions [Chiedozie Ogbuagu]

16:30 - 18:30: 3.16.15 - Seismo-acoustic monitoring of experimental volcanic fragmentation, fluid-filled cavities and mass flux dynamics [Alejandra Arciniega-Ceballos]

16:30 - 18:30: 3.16.16 - Petrological Analysis of Holocene Tephra from the Antillanca Volcanic Complex, Chile [Owain Smith]

16:30 - 18:30: 3.16.17 - Changes in degassing potential within cooling lava domes [Elizabeth Gaunt]

16:30 - 18:30: 3.16.18 - A sticky situation: The heterogeneity and implications of magma mush unlocking [Liam Kelly]

16:30 - 18:30: 3.16.19 - The Effects of Stratocone Morphology on Shallow Magma Transport [Kathryn Scholz]

16:30 - 18:30: 3.16.20 - Eruption scenario and hazard assessment at a basaltic volcanic island: a preliminary result on Gaua volcano, Vanuatu [Yuki Yasuda]

16:30 - 18:30: 3.16.21 - The Link Between Petrology and Analogue Modelling: A Global Combination Experimental Study [Emily Anne Shiver]

16:30 - 18:30: 3.16.22 - Numerical modeling of joint H2O-CO2 diffusion reveals decompression and cooling history: Application to the IDDP-1 borehole glass [Janine Birnbaum]

16:30 - 18:30: 3.16.23 - Global mapping of eruptive styles to magma viscosity and ascent rate [Olivier Bernard]

16:30 - 18:30: 3.16.24 - Syneruptive textural mingling as trigger of a Subplinian basaltic monogenetic eruption [Lisa Corrotti]

16:30 - 18:30: 3.16.25 - Understanding the ordinary to forecast the extraordinary: four years of integrated insights into Stromboli's explosive activity and hazard mitigation [Piergiorgio Scarlato]

16:30 - 18:30: 3.16.26 - Boudinage: an effective medium to evaluate stress during lava dome growth [Yan Lavallée]

16:30 - 18:30: 3.16.27 - What's the speed limit?: An assessment of the decompression rate of the VEI 6 eruptions at Colli Albani and mafic volcanoes worldwide [Corin Jorgenson]

16:30 - 18:30: 3.16.28 - Santa Bárbara Volcano (Azores): Ongoing Unrest and Crustal Deformation Observed From GNSS and Seismic Monitoring [João D'Araújo]

16:30 - 18:30: 3.16.29 - Explosive phases of the 937-40CE Eldgjá flood lava eruption, Iceland and the variability in magma composition [Thor Thordarson]

16:30 - 18:30: 3.16.30 - Explosive Ocean Island Volcanism Explained by High Magmatic Water Content Determined Through Nominally Anhydrous Minerals [Harri Geiger]

16:30 - 18:30: 4.1.8 - Crustal-Derived LCT Pegmatites as Potential Critical Metal Sources in the Bas Draa Inlier, Western Anti-Atlas, Morocco [Fatiha Askkour]

16:30 - 18:30: 4.1.9 - Exploring Critical Raw Materials: Field and Petrographic Study of Imiter Aplite-Pegmatites in Early Ediacaran Greywacke Meta-sediments, Anti-Atlas, Morocco [Mehdi Ousbih]

16:30 - 18:30: 4.1.10 - Lithium Pegmatite Exploration in the Omeo Zone (NE Victoria, Australia): Evaluating Prospectivity Using Ta-Nb Oxides [Rosa Didonna]

16:30 - 18:30: 4.1.11 - Understanding the petrogenesis of Li-rich magmas: a case study of the Li-granites of Cornwall, UK [Matthew Morris]

16:30 - 18:30: 4.1.12 - The role of magma source and evolution in the formation of porphyry copper deposits – a comparative study in central Chile [Yamila Cajal]

16:30 - 18:30: 4.1.13 - Exploring the volcanic connection in porphyry copper systems [Anna Freudenstein]

16:30 - 18:30: 4.1.14 - Rapid fractionation of copper with magmatic volatiles in volcanic systems [Lucy McGee]

16:30 - 18:30: 4.1.15 - The Late Cretaceous explosive volcanism and facies distribution in Bolnisi district: insights into the lithological control on ore deposits, Lesser Caucasus, Georgia [Nino Popkhadze]

16:30 - 18:30: 4.1.16 - Partitioning and outgassing of chlorine during ascent of a rhyolite magma from physical modelling and natural glass data [Samuel Mitchell]

16:30 - 18:30: 4.1.17 - Exploration and Characterization of Copper-Silver Mineralization in the Ighrem Inlier: Case of the New Ouarmdaz deposit. [Ayoub Aboutarouk]

16:30 - 18:30: 4.1.18 - Matrix geochemistry unveils deep drivers of copper fertility across the Central Andes [Teresa Ubide]

16:30 - 18:30: 4.1.19 - Evolution of porphyry-fertile magmatic cycles inferred from trace element profiles in zircons [Massimo Chiaradia]

16:30 - 18:30: 4.1.20 - Late sulfide saturation in the Valle Fertil deep crustal section, Argentina: implications for chalcophile cycling in arcs [Chetan Nathwani]

16:30 - 18:30: 4.1.21 - Melt inclusion records of volatile and metal degassing at Brothers submarine volcano, Kermadec arc [Shane Rooyakkers]

16:30 - 18:30: 4.1.22 - Magmatic sulfide saturation and ore formation in the Konya Volcanic Belt, Western Anatolia [Ariadni Georgatou]

16:30 - 18:30: 4.1.23 - Halogen ratios as tracers of magmatic fluid release in the crust [Zoltan Zajacz]

16:30 - 18:30: 4.1.24 - Emplacement depth and ore metal extraction: The effect of pressure and temperature on the fluid/melt partitioning of ore metals in magmatic-hydrothermal systems [Ivano Gennaro]

16:30 - 18:30: 4.1.25 - Critical-Ireland: Using Irish mafic intrusions as a natural laboratory to understand PGE mineralising processes [Michael Stock]

16:30 - 18:30: 4.1.26 - The role of rhyolite melts in the petrogenesis of Tabenken Coal seam, North West Region Cameroon [Felicia Nanje Mosere]

16:30 - 18:30: 4.1.27 - FROM HYDROCARBONS TO RENEWABLES: THE STRATEGIC IMPORTANCE OF CRITICAL MINERALS IN ALGERIA'S ENERGY TRANSITION PLAN (2024-2034) [Hamida Diab]

16:30 - 18:30: 5.1.7 - Geothermal systems and carbon storage in Tunisia [Badiaa CHELLI]

16:30 - 18:30: 5.1.8 - Lithospheric Thermal Structure as a Key Regulator of Intraplate Magmatism: Insights into High-Grade Geothermal Resources [Yibo Wang]

16:30 - 18:30: 5.1.9 - Geothermal Exploration of Gran Canaria Island (Canary Islands) using Ambient Noise Attenuation Tomography [Iván Cabrera-Pérez]

16:30 - 18:30: 5.1.10 - Cenozoic volcanism in Northeast China and its implications for geothermal systems [Lijuan He]

16:30 - 18:30: 5.1.11 - Forward Modeling and Inversion Techniques for Geothermal Reservoirs using Differentiable Programming in Julia [Jacob Frasunkiewicz]

16:30 - 18:30: 5.1.12 - The geothermal systems of Lipari and Salina islands (Aeolian Islands, southern Italy): a preliminary geochemical and geophysical perspective within the IRGIE project [Jacopo Cabassi]

16:30 - 18:30: 5.1.13 - Quantifying mass and heat transport by hydrothermal fluid flow in a caldera setting [Jonas Köpping]

16:30 - 18:30: 5.1.14 - Shear-waves velocity structure of the Domo de San Pedro, Mexico from Ambient Noise Tomography [Francisco Muñoz-Burbano]

16:30 - 18:30: 5.1.15 - Integrated geophysical modelling for geothermal exploration on Pantelleria Island [Lorenzo Ricciardi]

16:30 - 18:30: 5.1.16 - Seasonal variability in hydrogeochemistry of Fogo volcano mineral waters [Letícia Ferreira]

16:30 - 18:30: 5.1.17 - Unraveling hydro-fracturing mechanism: Is the analysis of induced-seismicity alone sufficient? [Luigi Passarelli]

16:30 - 18:30: 5.1.18 - GEOTERMAC: Strengthening R&D+i capacities for the development of geothermal energy in Macaronesia and São Tomé e Príncipe [Pedro A. Hernández]

16:30 - 18:30: 5.1.19 - Surface geothermal exploration by means of soil carbon dioxide and radon degassing in Jedey, La Palma, Canary Islands [Nemesio Pérez]

16:30 - 18:30: 5.1.20 - Detailed geochemical study of diffuse degassing in Puerto Naos, La Palma (Canary Islands) for geothermal exploration purposes [Gladys V. Melián]

16:30 - 18:30: 5.1.21 - The contradiction between lithospheric thermal and seismic structures reveals a nonsteady thermal state – A case study from Northeast China [Chaoqiang Chen]

16:30 - 18:30: 6.2.7 - Geochemical and Sm-Nd Isotopic Data of the Tachdamt and Bleida Formations (Bou-Azzer, Anti-Atlas, Morocco): Evidence for Two Sep-arate LIPs on the NW Margin of the West African Craton During the Early Neoproterozoic [Marieme Jabbour]

16:30 - 18:30: 6.2.8 - Geochemistry of a Neoarchean hot subduction volcanic suite discovered beneath the Cretaceous Deccan Traps, India [Tarun C. Khanna]

16:30 - 18:30: 6.2.9 - The threat of volcanic tsunami from Whakaari/White Island to the Bay of Plenty, New Zealand. [Craig Miller]

16:30 - 18:30: 6.2.10 - Volcanic evolution of the Bathymetrists Seamounts (equatorial Atlantic) since the Paleocene [Matthias Hartge]

16:30 - 18:30: 6.2.11 - Deep sea volcaniclastic deposits at the foot of Walvis Ridge seamounts (South Atlantic) and Ulleungdo Island (East Sea/Sea of Japan) reveal complex subaqueous to subaerial explosive volcanism in intraplate settings [David Buchs]

16:30 - 18:30: 6.2.12 - Submarine mass-wasting and volcanism on the flanks of Ulleungdo Island and Anyongbok Seamount in the East Sea of Korea [Deniz Cukur]

16:30 - 18:30: 6.2.13 - The architecture of explosive deep-water volcanoes in the Azores Plateau [Christian Hübscher]

16:30 - 18:30: 6.2.14 - The Sandy Bay caldera-forming silicic submarine eruption at Macauley volcano, Kermadec arc/Rangitāhua [Martin Jutzeler]

16:30 - 18:30: 6.2.15 - Far-travelled ash megaturbidite fed by shoreline-crossing pyroclastic currents from the Kos Plateau Tuff eruption. IODP Expedition 398, Hellenic Arc Volcanic Field [Tim Druitt]

16:30 - 18:30: 6.2.16 - Spatio-temporal framework of Mayotte's submarine volcanism based on new K-Ar ages. [Mathilde Frey]

16:30 - 18:30: 6.3.8 - Searching for unrest patterns at central volcanoes exploiting monitoring data from 1980 to 1999 [Sara Emili]

16:30 - 18:30: 6.3.9 - Forecasting Future Eruptions using Hierarchical Trend Renewal Processes [Ting Wang]

16:30 - 18:30: 6.3.10 - Temporal recurrence rate estimation in distributed volcanic fields [Mark Bebbington]

16:30 - 18:30: 6.3.11 - Assessing lava flow hazards in distributed volcanic fields using a lava library: Example from the Eastern Snake River Plain volcanic field (Idaho, USA) [Charles Connor]

16:30 - 18:30: 6.3.12 - Probabilistic volcanic hazard assessment during quiescence: A scenario-based framework for Gede, West Java (Indonesia) [Eleanor Tennant]

16:30 - 18:30: 6.3.13 - Towards the probabilistic construction of eruptive scenarios of the El Chichón volcano (Mexico): advances in ash dispersion modeling. [Omar Cruz-Vázquez]

16:30 - 18:30: 6.3.14 - Long-term probabilistic volcanic hazard assessment on islands: the case of tephra fallout at São Miguel airport (Azores archipelago) [Simone Aguiar]

16:30 - 18:30: 6.3.15 - To what degree can we forecast volcanic ballistic projectile hazard? [Rebecca Fitzgerald]

16:30 - 18:30: 6.3.16 - Bringing Together Scientific and Community Knowledge to Improve Assessment of Lahar Impacts in St. Vincent [Rachel Clark]

16:30 - 18:30: 6.3.17 - Energy line approaches in a level set framework for probabilistic modelling of volcanic surges [Stuart Mead]

16:30 - 18:30: 6.3.18 - A new insight into secondary volcanic hazards at Stromboli: the case of Gravity Induced Flows of 3rd July 2019 paroxysm by high resolution topographies from satellite data [Roberto Gianardi]

16:30 - 18:30: 6.3.19 - Impact of tsunamis generated by landslides at Stromboli on the entire Aeolian Island chain [Emmie Bonilauri]

16:30 - 18:30: 6.3.20 - Insights into the Colli Albani caldera: current ground deformation and susceptibility to debris flows analysis [Lisa Beccaro]

16:30 - 18:30: 6.3.21 - Strain and fault evolution during gravitational volcano collapse: experiments with different substrata geometries [Julia Knüppel]

16:30 - 18:30: 6.3.22 - Rapid detection of faults and fractures using drone magnetometry: Insights from the Grindavík hazard zone, Reykjanes Peninsula, Iceland [Elisa Piispa]

16:30 - 18:30: 6.3.23 - Wildfire mapping triggered by volcanic activity: impact on Stromboli Island during the 2019 summer by using Remote Sensing Data [Francesca Iacono]

16:30 - 18:30: 6.3.24 - DispAtlas: A flexible tool for the automated construction of seasonal dispersal pathways and exposure of volcanic emissions [Alexandros Poulidis]

16:30 - 18:30: 6.3.25 - Monitoring of carbon dioxide hazard in the inhabited areas of Puerto Naos and La Bombilla, La Palma, Canary Islands [Pedro A. Hernández]

16:30 - 18:30: 6.3.26 - Long-term continuous monitoring of diffuse CO2 emission from the summit cone of Teide volcano, Canary Islands, Spain [Daniel Di Nardo Méndez]

16:30 - 18:30: 6.3.27 - Outdoor CO2 hazard at Puerto Naos and La Bombilla (La Palma, Canary Islands): a numerical modelling approach. [Luca D'Auria]

16:30 - 18:30: 6.3.28 - ALERTACO2 Project: Update of an extensive monitoring network for monitor and mitigate the CO2 hazard of indoor and outdoor air CO2 at the inhabited areas of Puerto Naos and La Bombilla, La Palma (Canary Islands) [Germán D. Padilla Hernández]

16:30 - 18:30: 6.5.7 - Enhancing Lagrangian numerical simulations of Lava Flows Using AI-based CFD emulators [Eleonora Amato]

16:30 - 18:30: 6.5.8 - Particle-based model for lava flows with fluid-solid phase transition [Vito Zago]

16:30 - 18:30: 6.5.9 - 2.5D Shallow Water Model For Lava Flows [Elisa Biagioli]

16:30 - 18:30: 6.5.10 - Compare and Contrast: A user-friendly workflow for assessing and comparing lava flow models [Einat Lev]

16:30 - 18:30: 6.5.11 - Analysis of lava flow emplacement and morphology using Synthetic Aperture Radar [Edna Dualeh]

16:30 - 18:30: 6.5.12 - Data Assimilation for Probabilistic Forecasting of Lava Flows in Real-Time [Louise Cordrie]

16:30 - 18:30: 6.5.13 - Monitoring and Modeling Lava Flow Dynamics of the July 2024 Stromboli (Italy) eruptive activity: Insights from UAS Surveys and Petrological Analysis [Fabrizio Di Fiore]

16:30 - 18:30: 6.5.14 - From flow to furnace: Low viscosity of three-phase lavas measured at Kīlauea 2018 eruption conditions [Brenna Halverson]

16:30 - 18:30: 6.5.15 - Hazards of perched lava lakes – high-volume subsurface spill and flow in the last phase of the 2021 Fagradalsfjall eruption, Iceland [Elisa Piispa]

16:30 - 18:30: 6.5.16 - Lava flow hazard assessment at a frequently erupting, small island volcano using PyFlowGo: Manam Papua New Guinea [Adam Cotterill]

16:30 - 18:30: 6.5.17 - Developing the "Long-Term Lava Flow Hazard Zone Map for the State of Hawaii" [Natalia Deligne]

Room Poster Hall : Thursday - 03.07.25

16:30 - 18:30: 1.1.11 - Contribution of melt inclusions to the origin and evolution of the primitive magmas of Mount Cameroon volcano [Pauline Wokwenmendam Nguet]

16:30 - 18:30: 1.1.12 - Crystal fragmentation inducing euhedral crystal habits in volcanic rocks: the fracture history of crystals from various tectonomagmatic settings [Georg Zellmer]

16:30 - 18:30: 1.1.13 - Insights into the Magmatic Plumbing System of Pavlof Volcano, Alaska through Volatiles in Olivine-Hosted Melt Inclusions [Valerie Wasser]

16:30 - 18:30: 1.1.14 - Deciphering Fe- and S-XANES in melt inclusions with silicate-carbonate immiscibility: a case study from Hanang volcano (Tanzania) [Céline Baudouin]

16:30 - 18:30: 1.1.15 - Crystallized Melt Inclusions in Quartz: tiny windows into magmatic evolution [Fazilat Yousefi]

16:30 - 18:30: 1.1.16 - Magmatic volatile budget of the 2014 Tavurvur eruption at Rabaul volcano, Papua New Guinea [Melina Hoehn]

16:30 - 18:30: 1.1.17 - Origin and evolution of late discrete eruptive activity in long dormant volcanic province: the case of the Monts Dore stratovolcano (France) [Manon Pouget]

16:30 - 18:30: 1.1.18 - Investigation of parental magma and eruption history of olivine-rich picritic crystal mush near Margi, Troodos ophiolite [Ri Cao]

16:30 - 18:30: 1.1.19 - The complex magmatic plumbing system of the Miocene Laleaua Albă composite dykes (East Carpathians, NW Romania) revealed by crystal chemistry [Marinel Kovacs]

16:30 - 18:30: 1.1.20 - Crystals and melt inclusions as emissaries of magmatic plumbing systems [Juliette Pin]

16:30 - 18:30: 1.1.21 - Evidence for adjacent yet discrete magma plumbing systems at Middle Sister and South Sister volcanoes, Oregon Cascades, USA [May (Mai) Sas]

16:30 - 18:30: 1.1.22 - Magmatic interactions at the Three Sisters (Klah Klahnee) volcanic complex, central Oregon Cascades, USA [May (Mai) Sas]

16:30 - 18:30: 1.1.23 - Defining P-T conditions: multi-thermometric approaches to characterize the thermal evolution of the McDermitt Caldera plumbing system [Andrea Buian]

16:30 - 18:30: 1.1.24 - Experimental development of new oxybarometers based on V-partitioning between mafic minerals and hydrous silicate melts [Enzo-Enrico Cacciatore]

16:30 - 18:30: 1.1.25 - Magmatic reservoir evolution of Lingshan rare-metal granite, South China [Xiao-Long Huang]

16:30 - 18:30: 1.1.26 - Magma plumbing system of Kirishima volcano revealed by helium isotopic ratio of olivine and pyroxene phenocrysts [Rai Yoneda]

16:30 - 18:30: 1.1.27 - Evolution of rhyolite melt production on Lipari [Dawid Szymanowski]

16:30 - 18:30: 1.1.28 - A clinopyroxene-based approach to unravel temporal changes in magma plumbing beneath La Palma, Canary Islands [Alberto Caracciolo]

16:30 - 18:30: 1.1.29 - Mush system architecture and dynamics governing the Holocene eruptive history on the Ocean Island of El Hierro, Canary Islands [Claudia Prieto-Torrell]

16:30 - 18:30: 1.1.30 - Explosive Eruptions at Mount St. Helens: The Influence of Volatile Content in W Tephra Deposits on Eruptive Styles [Oceana Apollo]

16:30 - 18:30: 1.1.31 - Petrologic Mapping of the Magmatic Plumbing System Prior to the Most Recent Mount Hood Eruptions [Bethany Janssen]

16:30 - 18:30: 1.1.32 - Remobilized MIs record storage conditions at Lopevi volcano (Vanei Vollohulu, Vanuatu, SW Pacific) [Kristen Lewis]

16:30 - 18:30: 1.1.33 - Tracking the transition from magmatic to post-crystallization environment by coupling OH-defects and trace element analyses in quartz [Lorenzo Tavazzani]

16:30 - 18:30: 1.1.34 - Magma Storage Conditions Beneath Krakatau, Indonesia: Insight from Geochemistry and Rock Magnetism Studies Aditya [Aditya Pratama]

16:30 - 18:30: 1.1.35 - WITHDRAWN -Magmatic Cl-H2O contents, fluid extraction and porphyry fertility: Evidence from zircon and its apatite inclusions [Wenting Huang]

16:30 - 18:30: 1.1.36 - Bi-directional flow of magma recorded by melt inclusion morphology [Wei-Ran Li]

16:30 - 18:30: 1.1.37 - Pre-eruptive magmatic processes leading to the Puig Jordà monogenetic eruption (Garrotxa Volcanic Field, Spain) [Helena Albert]

16:30 - 18:30: 1.1.38 - Tracing the evolution of magma chemistry during the Archean using apatite [Clémentine Antoine]

16:30 - 18:30: 1.1.39 - WITHDRAWN -Does melt (dry or hydrous) influence cation diffusion in plagioclase? [Thomas Shea]

16:30 - 18:30: 1.1.40 - Using petrology to constrain the onset and migration of the Lesser Antilles subduction: Insights from zircon and amphibole from Saint Martin [Clothilde Leeloo Jost]

16:30 - 18:30: 1.1.41 - Centennial volcanic cycle revealed by volatiles in melt inclusions at Cotopaxi volcano, Ecuador [Silvana Hidalgo]

16:30 - 18:30: 1.1.42 - Trends in crystal chemistry recorded across the Alaska-Aleutian volcanic arc [Matthew Loewen]

16:30 - 18:30: 1.8.7 - WITHDRAWN -Modeling Magma Recharge Dynamics during the 2016 Nevados de Chillán Eruption: Insights from a Two-Chamber Interaction System through Petrology and Geodesy [Camila Novoa Lizama]

16:30 - 18:30: 1.8.8 - Mount Edgecumbe (L'úx Shaa) volcano magma storage conditions [Claire Puleio]

16:30 - 18:30: 1.8.9 - Magma mixing in a dacitic plumbing system of Citlaltépetl volcano around ~4 kyr BP, eastern Trans-Mexican Volcanic Belt [José Luis Arce]

16:30 - 18:30: 1.8.10 - Evaluating Second Boiling as a Driver of Overpressure and Surface Deformation in Volcanic Systems [Gregor Weber]

16:30 - 18:30: 1.8.11 - Dike propagation and surface faulting around Fentale Volcanic Complex, Northern Main Ethiopian Rift [Lin Way]

16:30 - 18:30: 1.8.12 - Volcano-Tectonic Modelling: The Migration of Magmatic Reservoirs [Lewis Lovell]

16:30 - 18:30: 1.8.14 - Nested eruptive pattern of multi-volcanisms based on the historical eruption records in Kirishima volcano, Kyushu, Japan [Yasuhisa Tajima]

16:30 - 18:30: 1.8.15 - From Curtains of Fire to Focused Flow: Experimental Insights into Conduit Evolution in Volcanic Fissures [Javiera Ruz-Ginouves]

16:30 - 18:30: 1.8.16 - Modelling Stress and Strain Rates of Dynamic Magma Mush Reservoirs: Insights into Reservoir Stability and Failure. [Lorenzo Mantiloni]

16:30 - 18:30: 1.8.17 - The interplay of surface evolution, shallow magmatism, a large hydrothermal system, and hazards following the 2011-12 Cordon Caulle Eruption [Philipp Ruprecht]

16:30 - 18:30: 1.8.18 - Hydraulically linked reservoirs simultaneously fed the 1975–1984 Krafla Fires eruptions [Shane Rooyakkers]

16:30 - 18:30: 1.8.19 - Towards a better modelling of deformation caused by magmatic mushes: Benchmarking a Computational Fluid Dynamics-Discrete Element Methods (CFD-DEM) models with analogue experiments [Alexandra Morand]

16:30 - 18:30: 1.8.20 - Diversity of primary magma types and their cyclic temporal changes beneath an island arc volcano: Geology and petrology of Akita-Komagatake volcano, NE Japan [Mitsuhiro Nakagawa]

16:30 - 18:30: 1.8.21 - Influence of crustal heterogeneities on stress fields and surface deformation induced by magmatic intrusions: insights from the Andes [Matías Clunes]

16:30 - 18:30: 1.8.22 - Megadyke propagation down dynamic topography [Timothy Davis]

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16:30 - 18:30: 1.8.24 - Magmatic overpressure and reservoir rupture conditions of the Nisida eruption (3.98 ka): implications for magma-driven unrests at Campi Flegrei caldera [Jacopo Natale]

16:30 - 18:30: 1.8.25 - Insights into Surface Deformation Patterns During Volcanic Unrest [KYRIAKI DRYMONI]

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16:30 - 18:30: 1.8.27 - 2D analogue models of magma emplacement in the visco-elastic crust [Uddalak Biswas]

16:30 - 18:30: 1.8.28 - Magnetotelluric Evidence for the Deep Causes of Different Eruptive Styles of Changbaishan Tianchi and Longgang Volcanoes in Northeast China [Zhao Lingqiang]

16:30 - 18:30: 1.9.8 - The Role of Superheating in Controlling Crystallization Kinetics: Insights from the 2021 Tajogaite Eruption [Barbara Bonechi]

16:30 - 18:30: 1.9.9 - Plumbing system processes unravelled through phenocryst texture, chemistry and in-situ Sr isotopes - The Pleiades Volcanic Field (Antarctica) [Alice Tomassini]

16:30 - 18:30: 1.9.10 - Differentiated magmas in a nascent island arc: the Nidar Ophiolite case in Ladakh, Indian Himalayas. [Olivier Reubi]

16:30 - 18:30: 1.9.11 - The nature of crustal xenoliths brought to the surface with the 2021 eruption in Fagradalsfjall [Bryndís Gísladóttir]

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16:30 - 18:30: 1.9.13 - Paleomagnetic and Geochemical studies of Paleoproterozoic mafic dykes of WDC: constraints on magma plumbing systems. [Bidisha Bayan]

16:30 - 18:30: 1.9.14 - Can volcanic activity and duration of repose times be modulated by the fertility of the mantle source? The case study of Methana volcano, Greece [Razvan-Gabriel Popa]

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16:30 - 18:30: 1.9.16 - Protracted magma evolution associated with plutonic activity in the transcrustal magmatic plumbing system of the Erta Ale Volcano (Afar, Ethiopia) [Juliette Pin]

16:30 - 18:30: 1.9.17 - Igneous distillation caught in the act: Insights from Compositional Stratification in the Middle Crust of the Famatinian Arc [Giuliano Camilletti]

16:30 - 18:30: 1.9.18 - Decoding melt-rock reactions in the deep crust of a magmatic arc: Insights from La Higuera ultramafic-mafic complex, Famatinian arc, Argentina [Emanuel Giovanini]

16:30 - 18:30: 1.9.19 - A petrochronological approach to alkaline ring complexes: new U/Pb ages for the Lake George Ring Complex, Pikes Peak batholith, Colorado [Tobias Hendrickx]

16:30 - 18:30: 1.9.20 - Insights into the build-up to the early Permian Gargazzone super-eruption (Southern Alps) from high-precision zircon petrochronology [María P. Marroquín-Gómez]

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16:30 - 18:30: 1.9.22 - Glass-bearing mush fragments reveal the plutonic-volcanic connection in the Taupō Volcanic Zone, New Zealand [Sarah Smithies]

16:30 - 18:30: 1.9.23 - Direct FE-SEM observation of crystallization in a rhyolitic silicate melt [Mayumi Mujin]

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16:30 - 18:30: 1.9.27 - Maximizing Microlites: Quantifying decompression-induced pyroxene crystallization [Jessica Bersson]

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16:30 - 18:30: 1.9.29 - Does magma mingling trigger eruption by structurally disrupting the host crystal mush? [Katie Schofield]

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16:30 - 18:30: 2.1.16 - Comparing seismoacoustic signals and volcanic emissions from the 2023 explosive eruption sequence of Shishaldin Volcano, Alaska [Karenna Merritt]

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16:30 - 18:30: 2.1.31 - Full-Waveform Inversion of DAS data on a subglacial volcano: Grímsvötn, Iceland [Sara Klaasen]

16:30 - 18:30: 2.1.32 - Submarine volcano monitoring with Distributed Acoustic Sensing at Kolumbo, Greece. [Sara Klaasen]

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16:30 - 18:30: 2.1.38 - Analyzing the 2022 Mauna Loa eruption sequence through the I59US infrasound array and how long-term detection monitoring can be beneficial in estimating the onsets of volcanic events. [Braden Walsh]

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16:30 - 18:30: 3.7.27 - Lithofacies architecture of andesitic-rhyolitic lava dome complex: insights into multiple growth and submarine-subaerial transition, Som Hill, Tokaj Mts, Carpathian-Pannonian region [Janos Szepesi]

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16:30 - 18:30: 3.8.21 - From Cause to Hazard: Assessing Alteration-Induced Instability in Volcanic Domes [Kendra Ní Nualláin]

16:30 - 18:30: 3.8.22 - Unravelling alteration processes at Adatara volcano in the laboratory [Jamie Farquharson]

16:30 - 18:30: 3.8.23 - Hyperspectral imaging, mineralogy, and outgassing, exploring the volcanic hydrothermal system of Red Crater, Tongariro, Aotearoa / New Zealand [Daniel Sturgess]

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16:30 - 18:30: 3.8.26 - On the historical phreatic eruptions of Milos (Greece): an intertwined seismic/volcanic hazard? [Jean-Emmanuel Martelat]

16:30 - 18:30: 3.8.27 - Trace metals in hydrothermal systems: Northern Volcanic Zone, Iceland [Júlia Mattioli]

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16:30 - 18:30: 3.8.29 - Hydrothermal alteration and fluid circulation in a collapsing volcano (Askja caldera, central Iceland) [Florian Sfalcin]

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16:30 - 18:30: 3.11.10 - GeoNet observations during the 2022-23 unrest episode at Taupō caldera volcano, Aotearoa New Zealand [Oliver Lamb]

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16:30 - 18:30: 3.11.13 - Time gap during VEI>6 caldera-forming eruptions: constraint from paleomagnetic directions for preceding airfall and following ignimbrite [Takeshi Hasegawa]

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16:30 - 18:30: 3.11.15 - Computer vision geodesy and simulations of caldera collapse cycles at Kīlauea [Josh Crozier]

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16:30 - 18:30: 3.11.18 - Caldera-Forming Eruptions at Basaltic Volcanoes: Outcomes from the 2025 AGU Chapman Conference in Hilo, Hawai‘i [Kyle Anderson]

16:30 - 18:30: 3.11.19 - The caldera-forming eruption of the Tufo Rosso a Scorie Nere (RNR): insight from geological fieldwork and geochemistry [Alessandro Frontoni]

16:30 - 18:30: 3.11.20 - A thick lithic gravel-sand bed buried deep inside Santorini caldera, and its possible relationship to caldera flooding. IODP Expedition 398 Hellenic Arc Volcanic Field [Tim Druitt]

16:30 - 18:30: 3.11.21 - Role of External Processes in the Initiation and Modulation of Explosive Volcanism at Christiana-Santorini-Kolumbo. IODP Expedition 398 Hellenic Arc Volcanic Field [Abigail Metcalfe]

16:30 - 18:30: 3.11.22 - High-Resolution Microseismicity Provides Insights into Ring-Fault Geometry at the Re-inflating Bárðarbunga Caldera, Iceland [Tom Winder]

16:30 - 18:30: 3.11.23 - Rejuvenation of the Kos-Nisyros-Yali magmatic system after the caldera collapse events on Nisyros [Sam Winsemius]

16:30 - 18:30: 3.11.24 - Reconstruction of the 13.1 Ma large volume caldera-forming SAU eruption in the northeast Pannonian Basin: a case of silicic volcanism at the latest stage of subduction. [Janos Szepesi]

16:30 - 18:30: 3.11.25 - Structural and temporal analysis of a caldera collapse using high-resolution drone imagery: Askja volcano, central Iceland. [Nicolas Serrano]

16:30 - 18:30: 3.11.26 - Outline of the 2022-2024 eruption at Ioto Island (Iwo-jima), Ogasawara, Japan : small subaqueous eruption associated with shallow magma intrusion towards theof caldera floor [Masashi Nagai]

16:30 - 18:30: 3.11.27 - Water column survey and structural analysis at the Öskjuvatn lake during a caldera unrest (Askja, central Iceland) [Robin Menu]

16:30 - 18:30: 3.11.28 - Probing the pre-, syn-, and post-caldera: a field, micro-CT, and petrological study of Mt. Ijen volcano, Indonesia [Nicholas Barber]

16:30 - 18:30: 3.11.29 - Origin and tempo of Miocene large caldera forming silicic eruptions in the Pannonian basin: What we can learn from the zircon and volcanic glass database [Réka Lukács]

16:30 - 18:30: 3.12.7 - Large explosive eruptions are dominated by pyroclastic flows instead of buoyant plumes: insights from a global data compilation [Alice Paine]

16:30 - 18:30: 3.12.8 - New model for aggregation of ash in explosive volcanic eruptions [Georgios Efstathiou]

16:30 - 18:30: 3.12.9 - Evaluating the importance of ash aggregation representation: insights from a three-dimensional plume model. [Jack Campbell]

16:30 - 18:30: 3.12.10 - Characterization of pyroclastic fall deposits from virtual volcanoes using a new tephra simulation code (TWiCE) [Toshitaka Sakai]

16:30 - 18:30: 3.12.11 - Sensitivity of partial column collapse to exit velocity, ambient wind and particle size [Benjamin Devenish]

16:30 - 18:30: 3.12.12 - Evaluation of eruption source parameters using infrasound and plume modelling [Luciano Zuccarello]

16:30 - 18:30: 3.12.13 - The impact of ice particles in satellite thermal infrared fine ash estimates [Francesco Romeo]

16:30 - 18:30: 3.12.14 - Ash Finger Formation at the Base of Spreading Volcanic Clouds: Insights from Analogue Experiments [Carolina Díaz-Vecino]

16:30 - 18:30: 3.12.15 - Ash Fingers Without Aggregation: Insights from the July 23, 2024 Paroxysm at Etna Volcano [Carolina Díaz-Vecino]

16:30 - 18:30: 3.12.16 - Laboratory and field measurements of the electrical charge carried by volcanic ash particles and observations of ash aggregates [Allan Fries]

16:30 - 18:30: 3.12.17 - Linking volcanic plume dynamics with sedimentation processes using a multi-GPU accelerated Lattice Boltzmann solver. [Jonathan Lemus]

16:30 - 18:30: 3.12.18 - The Proper Orthogonal Decomposition (POD) applied to thermal infrared and visible low-cost cameras images in different volcanic contexts [Dario Stelitano]

16:30 - 18:30: 3.12.19 - MFIXing Volcanic Plumes: from lab puffs to Fuego's fury [Eric Breard]

16:30 - 18:30: 3.12.20 - 3D Numerical Modeling of Umbrella Cloud Growth and Regimes [Yujiro Suzuki]

16:30 - 18:30: 3.12.21 - New insights into the spatiotemporal evolution of the Y5 phase of the Taupō 232 ± 10 CE eruption, New Zealand [Gert Lube]

16:30 - 18:30: 3.12.22 - Monitoring ash-laden plumes using geodetic remote sensing techniques [Hugues Brenot]

16:30 - 18:30: 3.12.23 - The ash load of Strombolian volcanic plumes [Franck Donnadieu]

16:30 - 18:30: 3.12.24 - Volcanic lightning and plume dynamics during the 2023 eruption of Shishaldin Volcano, Alaska: Insights from a dry, coarse-grained, basaltic eruption [Rui Mota]

16:30 - 18:30: 3.12.25 - WITHDRAWN -Volcanic Evolution and Activity in the Hoggar Mountains: Insights into Cenozoic Processes [Hamida Diab]

16:30 - 18:30: 3.14.5 - Giant phreatic eruptions at Milos Island (Greece) [Matteo Roverato]

16:30 - 18:30: 3.14.6 - Investigating conditions for gas-driven volcanic eruptions based on Whakaari Volcano, New Zealand [Sophie Pearson-Grant]

16:30 - 18:30: 3.14.7 - Modelling the ejection velocity of ballistic blocks based on shock tube experiments [Kae Tsunematsu]

16:30 - 18:30: 3.14.8 - HYDROTHERMAL ERUPTIONS AT THE DOMUYO GEOTHERMAL FIELD, ARGENTINA: ERUPTIVE DYNAMICS AND CONTROLS [Leandro D'Elia]

16:30 - 18:30: 3.14.9 - TEN YEARS BENEATH RINCÓN DE LA VIEJA: SEISMIC AND ERUPTIVE INSIGHTS FROM AN ACTIVE CRATER LAKE [Henriette Bakkar]

16:30 - 18:30: 3.14.10 - Hydrothermal Seal Systematics Giving Rise to Gas-driven Eruptions [Bruce Christenson]

16:30 - 18:30: 3.14.11 - Modeling explosion dynamics during phreatic eruptions at Campi Flegrei [Nils Mekelburger]

16:30 - 18:30: 3.14.12 - Challenges in forecasting phreatic eruption hazards during volcanic unrests: insights from La Fossa di Vulcano (Italy) and La Soufrière de Guadeloupe (Lesser Antilles, France) [Silvia Giansante]

16:30 - 18:30: 3.14.13 - Dynamics, scaling analysis, and hazard assessment of volcanic gas clouds at Kolumbo volcano (Santorini, Greece) [Matteo Cerminara]

16:30 - 18:30: 3.14.14 - Modeling the priming mechanism of phreatic eruptions [Manuel Stocchi]

16:30 - 18:30: 6.4.7 - Optimizing lava flow simulations using a Markov Chain Monte Carlo approach [Francesco Zuccarello]

16:30 - 18:30: 6.4.8 - Tailored transport and deposition forecasting of volcanic emissions for field campaigns: Results from the VOLCOM campaign at Sakurajima volcano, Japan [Simon Thivet]

16:30 - 18:30: 6.4.9 - MetPrep: A model-agnostic meteorological pre-processor for emergency applications in local volcanic emission dispersal [Alexandros Poulidis]

16:30 - 18:30: 6.4.10 - Exploring the Relationship between Plume Height and SO2 Flux for Explosive Eruptions [Frances Beckett]

16:30 - 18:30: 6.4.11 - Evaluation Metrics for Volcanic Ash Cloud Forecasts [Frances Beckett]

16:30 - 18:30: 6.4.12 - Using Simulated Radiances to Understand the Limitations of Satellite-Retrieved Volcanic Ash Data and the Implications for Volcanic Ash Cloud Forecasting [Cameron Saint]

16:30 - 18:30: 6.4.13 - Forecasting tephra deposition: the impact of input parameter uncertainty on tephra deposition accuracy [Emmy Scott]

16:30 - 18:30: 6.4.14 - Probabilistic Modelling of Volcanic Ash: Eruption Source Parameter Uncertainty [Charlie Bates]

16:30 - 18:30: 6.4.15 - Techniques for Validation and Improvement of Volcanic Ash Concentration Ensemble Forecasts [Maria Soledad Osores]

16:30 - 18:30: 6.4.16 - Quantitative Volcanic Ash Forecasting for Aviation – A new opportunity for volcanic ash research and collaboration [Matthew Hort]

16:30 - 18:30: 6.4.17 - The North Atlantic Volcanic Hazards Partnership: An Introduction [Matt Hort]

16:30 - 18:30: 6.4.18 - Eruption source parameter needs of the operational ash dispersal modelling community [Larry Mastin]

16:30 - 18:30: 7.3.4 - Risk Faults. Relocation, Displacement and Homemaking on the Slopes of Mount Etna (Italy). [Mario Mattia]

16:30 - 18:30: 7.3.5 - Navigating different worlds on volcanoes in Latin America: Results from the IMAGINE project [Amy Donovan]

16:30 - 18:30: 7.3.6 - How far is the next volcano? The spatial distribution of volcanologists [Gilles Seropian]

16:30 - 18:30: 7.3.7 - Closing the Digital Accessibility Gap: Digital Inclusion in Volcano Observatory Websites [Vera Pospelova]

16:30 - 18:30: 7.3.8 - The Canary Project: An inclusive course-based undergraduate research experience in mineralogy, petrology, and volcanology [Marc-Antoine Longpré]

16:30 - 18:30: 7.4.7 - MULTI-MAREX: A living lab for improved forecasting and possible actions for multiple extreme geomarine events [Roberto Benavides]

16:30 - 18:30: 7.4.8 - Digital Tools in Volcanic Regions: The Power of INVOLCAN's Social Media [Daniel Prieto]

16:30 - 18:30: 7.4.9 - Journalists, Communication and Volcanic Risk Management in Canary Islands, Spain [Claudia Rodríguez-Pérez]

16:30 - 18:30: 7.4.10 - Tourists' perception of volcanic hazards and risk in Tenerife, Canary Islands [Claudia Rodríguez-Pérez]

16:30 - 18:30: 7.4.11 - The Volcano of Nisyros Digital Twinning [Nancy Alonistioti]

Room Poster Hall : Friday - 04.07.25

16:30 - 18:00: 1.5.8 - Using satellite geodesy to understand magmatic architecture and rheology [Juliet Biggs]

16:30 - 18:00: 1.5.9 - Highly Siderophile Elements and 187Os/188Os from Hawaiian Cumulate Xenoliths Show Potential Mixing Between the Loa and Kea Trends [Brian Oller]

16:30 - 18:00: 1.5.10 - Imaging the trans-crustal(?) magma system in models and in the Cascades [Geoffrey Abers]

16:30 - 18:00: 1.5.11 - Deploying a large nodal array for high-resolution imaging and seismicity analysis of Kīlauea Volcanic System [Federica Lanza]

16:30 - 18:00: 1.5.12 - Conditions for complex or simple flow during magma ascent: Insights from 3D laser imaging of analogue dykes [Janine Kavanagh]

16:30 - 18:00: 1.5.13 - Using volcanic tremor to ellucidate magmatic systems [Miriam Christina Reiss]

16:30 - 18:00: 1.5.14 - Magma intrusion at Askja Caldera, Iceland, between 2021 and 2023 constrained by modelling of microgravity and deformation data [Josefa Sepúlveda - Araya]

16:30 - 18:00: 1.5.15 - Magmatic Structure and Melt Storage beneath the Katmai Volcanic Group, Alaska [Graham Hill]

16:30 - 18:00: 1.5.16 - One small step in the crust, one giant leap for magma: Insights into magma differentiation from basalt to rhyolite at Cordón Caulle derived from rhyolite-MELTS simulations [Liam Kelly]

16:30 - 18:00: 1.5.17 - WITHDRAWN -Barometers Behaving Badlier: How well does resolve transcrustal magma systems? [Adam Kent]

16:30 - 18:00: 1.5.18 - 3D Seismic attenuation structure La Palma (Spain): unraveling the volcanic plumbing system of the Canary Islands [Janire Prudencio]

16:30 - 18:00: 1.5.19 - CO2 gas content measured in the 2024 Svartsengi, Iceland eruptions used to elucidate magma storage conditions [Melissa Anne Pfeffer]

16:30 - 18:00: 1.5.20 - Magma accumulation and asymmetric ring-fault activity preceding the 2024 eruption of Fernandina volcano, Galápagos Islands [Andrew Bell]

16:30 - 18:00: 1.5.21 - The anatomy of a magmatic system, revealed by multi-disciplinary seismological methods in central Costa Rica [Elliot Amir Jiwani-Brown]

16:30 - 18:00: 1.5.22 - Advances in the search of an ambient noise tomography model of La Palma Island after the 2021 eruption [Javier Tortosa]

16:30 - 18:00: 1.5.23 - Lower-to-mid crustal magma dynamics revealed by in-depth analyses of Sr and Nd isotope time-series of basalt erupted 2021-2024 on the Reykjanes Peninsula, Iceland. [Olgeir Sigmarsson]

16:30 - 18:00: 1.5.24 - Volcano-Tectonic Coupling at the Christiana-Santorini-Kolumbo Volcanic Arc [Jonas Preine]

16:30 - 18:00: 1.5.25 - 2023-2025 inflation episodes within the Svartsengi Volcanic System, SW Iceland: Implications for improved forecasting and hazard assessment [Chiara Lanzi]

16:30 - 18:00: 1.5.26 - A Voluminous Melt-rich Magmatic Reservoir Beneath Mayotte Island [Samuel Guégan]

16:30 - 18:00: 1.5.27 - Alkaline magma generation and differentiation between proximal ocean island shield volcanoes: Insights from the Karthala and La Grille plumbing system(s), Grande Comore [François Lötter]

16:30 - 18:00: 1.5.28 - Imaging magma transfer during the 2021 Tajogaite eruption (La Palma, Canary Islands) using distributed acoustic sensing. [Luca D'Auria]

16:30 - 18:00: 1.5.29 - Subsurface Crustal Structure of Kanlaon Volcano, Philippines from 3D Tomography [Christian Joseph Clarito]

16:30 - 18:00: 2.3.11 - Gravity Observation During 2021-2023 and Magma Activity in Changbaishan-Tianchi Volcano,China [Yaxuan Hu]

16:30 - 18:00: 2.3.12 - WITHDRAWN -Multidimensional Small Baseline Subset (MSBAS) Software for constrained and unconstrained deformation analysis of partially coherent DInSAR and speckle offset data [Sergey Samsonov]

16:30 - 18:00: 2.3.13 - Modeling deformation and gravity changes from arbitrary positioned point inflation source beneath conical terrain [Ryuichi Nishiyama]

16:30 - 18:00: 2.3.14 - Characterisation of activity at Semeru volcano using high resolution radar and optical imagery [Pierre Bouygues]

16:30 - 18:00: 2.3.15 - Formation of the donut-shaped lava dome at Nevado del Ruiz volcano studied using TerraSAR-X, thermal imagery, and analogue modelling [T. R. Walter]

16:30 - 18:00: 2.3.16 - Deformation dynamics on a topographic high: Insights from Mount Thorbjörn, Southwest Iceland, during the 2023-2024 Svartsengi volcanic crisis [Maria Hurley]

16:30 - 18:00: 2.3.17 - Enhancing Global Volcano Monitoring: Refining LiCSAR and LiCSBAS Workflows with Coherence Statistics [Weiyu Zheng]

16:30 - 18:00: 2.3.18 - Near Real-Time Ground Monitoring of Natural Hazards Using FAST-SAR [Fabien Albino]

16:30 - 18:00: 2.3.19 - Galeras volcano conduit dynamics revealed by ALOS-2/PALSAR interferometry (2015-2023) [Sindy Lizarazo]

16:30 - 18:00: 2.3.20 - Facilitating satellite monitoring of unrest and eruptions through global cooperation between space agencies and volcanologists: The GVEWERS project [Michael Poland]

16:30 - 18:00: 2.3.21 - Cost-effective GNSS for volcano deformation monitoring: A case study on Saba in the Caribbean Netherlands [Elske van Dalfsen]

16:30 - 18:00: 2.3.22 - The triggering of sub-Plinian and Plinian eruptions: insights from three decades of InSAR observations in the Andean Southern Volcanic Zone (1991-2024) and a global compilation [Francisco Delgado]

16:30 - 18:00: 2.3.23 - Terrestrial Radar Interferometric Measurement of Surface Deformation of Halemaʻmaʻu Lava Lake, Kīlauea [Elisabeth Gallant]

16:30 - 18:00: 2.3.24 - A framework for systematic cataloguing of volcano deformation source parameters from Sentinel-1 InSAR data [Ben Ireland]

16:30 - 18:00: 2.3.25 - Deforming Volcanoes with Trans-Crustal Magmatic Systems: The Influence of Magma-Mush Heterogeneity [James Hickey]

16:30 - 18:00: 2.3.26 - Thermodynamic Variability in Magma Mush Reservoirs: Implications for Volcano Deformation [Rami Alshembari]

16:30 - 18:00: 2.3.27 - Dynamic Numerical Modelling of Volcanic Inflation at Bárðarbunga Volcanic System, Iceland, 2015-2024 [Daniel Manns]

16:30 - 18:00: 2.3.28 - Challenges and solutions in geodetic monitoring of submerged volcanoes in shallow waters: the Campi Flegrei case study [Rosario Riccio]

16:30 - 18:00: 2.3.29 - 2023-2024 inflation-deflation cycles at Svartsengi and repeated dike injections and eruptions at the Sundhnúkur crater row, Reykjanes Peninsula, Iceland [Michelle Parks]

16:30 - 18:00: 2.3.30 - A hydromechanical deformation model for Deception Island caldera, South Shetland Islands [Jasmine Dibben]

16:30 - 18:00: 2.3.31 - The Government of Canada's First Dedicated Volcano Monitoring System Using InSAR Technology [Yannick Le Moigne]

16:30 - 18:00: 2.3.32 - Characterizing Unrest at the Chiles-Cerro Negro Volcanic Complex Using Time-Lapse Gravity Data [Antonina Calahorrano-Di Patre]

16:30 - 18:00: 2.3.33 - Pre- & Syn-Eruptive Deformation and Seismicity at a Basaltic Caldera: Cascading Processes Leading to Eruption During the 2018 Eruption of Sierra Negra, Galapagos [Peter LaFemina]

16:30 - 18:00: 2.3.34 - On-demand Sentinel-1 Interferogram Generation Service for Monitoring of Volcano Deformation [Raphael Grandin]

16:30 - 18:00: 2.3.35 - Multiparameter insights into the months-long evolution of Mt. Etna discharge system prior to the December 2018 eruption [Daniele Carbone]

16:30 - 18:00: 2.3.36 - Temporal Evolution of Etna's Eruptive Activity: Evidence from Geodetic and Petrological Data During the 2020-2022 Paroxysmal Activity [Alejandra Vásquez Castillo]

16:30 - 18:00: 2.3.37 - Episodic oblique rifting events on the Reykjanes Peninsula, Iceland (2016–2024), imaged and modeled using InSAR and seismicity time series [Xingjun Luo]

16:30 - 18:00: 2.3.38 - A parametric study on dike-induced deformation patterns at Mount Etna through analysis of a large set of 3D numerical simulations [Rebecca Bruni]

16:30 - 18:00: 2.3.39 - Subsidence at Barrancas Center: A New Deformation Anomaly in Laguna del Maule [Federico Carballo]

16:30 - 18:00: 2.3.40 - Stress interactions, faulting and sustainability at high-temperature geothermal systems: Implications from recent unrest in Svartsengi, SW-Iceland [Halldor Geirsson]

16:30 - 18:00: 2.3.41 - Ground Deformation Patterns in Tenerife (Canary Islands) Revealed by Time-Series Analysis of DInSAR SBAS and Independent Component Analysis of the 2004 and 2024 Unrest Episodes [Luca D'Auria]

16:30 - 18:00: 2.3.42 - Triggering of the 2024 Fernandina, Galapagos eruption by rainfall. [Falk Amelung]

16:30 - 18:00: 3.4.11 - Unravelling Pleistocene-Holocene Plinian eruption hazards and dynamics from detailed lithostratigraphy, radiocarbon dating, and chemical-microtextural analyses at Pico de Orizaba Stratovolcano and Los Humeros Caldera, Eastern Mexico [Rafael Torres-Orozco]

16:30 - 18:00: 3.4.12 - Reassessment of the eruptive history of the Atitlán volcano: towards hazard evaluation [Eduard Pico Rodriguez]

16:30 - 18:00: 3.4.13 - Postglacial eruptive history at Laguna del Maule, Chile, used to reconstruct timing of paleolake filling and catastrophic demise [Judy Fierstein]

16:30 - 18:00: 3.4.14 - How to reconstruct the eruptive history of the Coconucos Volcanic Chain (Colombia) to assess the volcanic hazards? [Maria Luisa Monsalve]

16:30 - 18:00: 3.4.15 - Late-Stage Volcanism in the Galápagos: A Distinct Mechanism from Hawaiian Rejuvenated Volcanism [Karen Harpp]

16:30 - 18:00: 3.4.16 - Revisiting the Holocene eruptive chronology of the Nevado Cayambe volcano, Ecuador [Pablo Samaniego]

16:30 - 18:00: 3.4.17 - New chronological and petrological constrains of the caldera-forming eruption of Cuicocha volcano (Ecuador) [Etienne Médard]

16:30 - 18:00: 3.4.18 - Spatio-temporal distribution and evolution of the distributed volcanism, central Mexico: examples: Valle de Bravo, Chichinautzin and Michoacán-Guanajuato volcanic fields. [Carmen Jaimes Viera]

16:30 - 18:00: 3.4.19 - Contrasting Emplacement Mechanisms of Two Debris Avalanches in Banahaw Volcano, Philippines revealed by Morphometric Analysis and Field Evidence [Sandra Catane]

16:30 - 18:00: 3.4.20 - Age of the pre-1883 caldera-forming eruption of Krakatau, Indonesia [Alexander Belousov]

16:30 - 18:00: 3.4.21 - Relationship between caldera structure and associated pyroclastic flows: The case of the Atosanupuri volcano, eastern Hokkaido, Japan [Akiko Matsumoto]

16:30 - 18:00: 3.4.22 - Toward understanding the geohazards of Huangzuei volcano (Taiwan) from geomorphological mapping, 40Ar-39Ar dating and geochemical constraints [Wei-Che Li]

16:30 - 18:00: 3.4.23 - The intrinsic connection between tectonics and volcanism in Sumatra, Indonesia: A preliminary assessment [Andrea Verolino]

16:30 - 18:00: 3.4.24 - A late Pleistocene-Holocene record of explosive eruptions from central Sumatra (Indonesia) in the western Sunda Volcanic Arc [Marcus Phua]

16:30 - 18:00: 3.4.25 - Geochronology of the potential first eruptive phase of the Monte Vulture Volcano (Basilicata, Italy). [Nicolas Musial]

16:30 - 18:00: 3.4.26 - Age-clustered eruptive activity at La Palma (Canary Islands) during the last 4000 years: Evidence from paleomagnetic dating [Andrea Magli]

16:30 - 18:00: 3.4.27 - The Evolution, Recurrence and Behaviour of Monogenetic Volcanism in the Gegham and Vardenis Volcanic Highlands (Armenia) [Priya Minhas]

16:30 - 18:00: 3.4.28 - Estimating Effusive Eruption Volumes to Reconstruct the Volcanic History of Methana, Greece [Moritz Lang]

16:30 - 18:00: 3.4.29 - An updated stratigraphy of Roccamonfina Volcano (Italy) [Alessandro Frontoni]

16:30 - 18:00: 3.4.30 - GeoTeRi Database: A tool for exploring the geochemical evolution of post-caldera volcanism in Tenerife's central Teide-Pico Viejo Complex and Rift Systems. [Olaya Dorado]

16:30 - 18:00: 3.4.31 - Exploring tephra records in the Azores peatlands [Mariana Andrade]

16:30 - 18:00: 3.4.32 - CatVolc: A Comprehensive Database of Geochemical and Geochronological Data from the Catalan Volcanic Zone, Spain [Adelina Geyer]

16:30 - 18:00: 3.4.33 - New evidence for prolonged ash emission during silicic eruptions in Iceland [Jingwei Zhang]

16:30 - 18:00: 3.4.34 - Reconstructing the volcanic history of Ulukışla Caldera to improve the hazard assessment around the Hasandağ Volcanic Complex (Central Anatolia) [Rengin Özsoy]

16:30 - 18:00: 3.4.35 - Paired Zircon and Allanite Dating of late Pleistocene-Holocene Rhyolites in the Mono Basin, Eastern California, USA [Genna Chiaro]

16:30 - 18:00: 3.4.36 - Reconstructing eruption intensity at Augustine Volcano, Alaska: tephra stratigraphy and componentry of the 750 ybp Tephra M eruption [Ryan D'Errico]

16:30 - 18:00: 3.4.37 - Eruptive History of the Garibaldi – Price Volcanic Field, British Columbia: Canada's Highest Threat Volcano [Yannick Le Moigne]

16:30 - 18:00: 3.4.38 - Eruption chronologies using a new volcanic region system based on tectonic environments [Edward Venzke]

16:30 - 18:00: 3.4.39 - Post-caldera recovery of a peralkaline magmatic system: Tūhua, New Zealand [Pip Tildesley]

16:30 - 18:00: 3.4.40 - Fighting fire with water: microstructural and geochemical imprint of explosive volcanism in coral skeletons [James Vincent]

16:30 - 18:00: 3.4.41 - Long-lasting, small-to-moderate eruptions at composite volcanoes: the largest eruption of Mt. Ruapehu (Aotearoa New Zealand) in the last 1800 years [Marija Voloschina]

16:30 - 18:00: 3.9.8 - Can you stop a PDC? Assessing the impact of vertical topographic barriers on channelised, aerated, dense granular currents [Jordan Chenery]

16:30 - 18:00: 3.9.9 - Revealing the key role of the substrate in pyroclastic flows using small-to-large scale experiments [Alexis BOUGOUIN]

16:30 - 18:00: 3.9.10 - Experimental study of the formation of dilute or concentrated pyroclastic currents in the impact zone of eruptive fountains [Baptiste Penlou]

16:30 - 18:00: 3.9.11 - Analysing the rheology of diverse volcanic granular flows with a new open-source coarse-graining tool. [Claudia Elijas-Parra]

16:30 - 18:00: 3.9.12 - Shape evolution of pumice during granular flow [Carolina Figueiredo]

16:30 - 18:00: 3.9.13 - Dynamics and deposits of a two-layer model for pyroclastic density currents in magmatic and phreatomagmatic eruptions [Hiroyuki A. Shimizu]

16:30 - 18:00: 3.9.14 - Investigating the evolution of grain shape during transport inside various small-volume pyroclastic density currents over complex topographies [Sylvain Charbonnier]

16:30 - 18:00: 3.9.15 - Field Investigation and Numerical Modeling of Deposit-derived Pyroclastic Density Currents in Punta Labronzo Area (Stromboli, Italy), from the Paroxysmal Activity of 1930 [Lucas Corna]

16:30 - 18:00: 3.9.16 - Triggering and propagation of the 10 February 2022 pyroclastic avalanches at Mt. Etna (Italy): a multidisciplinary perspective [Francesco Zuccarello]

16:30 - 18:00: 3.9.17 - Co-ignimbrite plumes: insights from the deposits of the VEI 6 Pozzolane Rosse co-ignimbrite deposits (Colli Albani, Italy) [Guido Giordano]

16:30 - 18:00: 3.9.18 - High-Temperature Deformation and Failure of Welded Volcaniclastic Deposits: Implications for Deposit-Derived Pyroclastic Density Currents [Teresa Oreade Grillo]

16:30 - 18:00: 3.9.19 - Know your clusters to predict disasters – how hazard exacerbating particle-gas feedback evolves inside pyroclastic density currents [Gert Lube]

16:30 - 18:00: 3.9.20 - The Kencherra Ignimbrite (Central Main Ethiopian Rift): a case study for assessing emplacement mechanisms of high-grade, welded ignimbrites [Raffaello Cioni]

16:30 - 18:00: 3.9.21 - A global database of pyroclastic density current deposit field data: potential use for PDC modelling and hazard assessments [Rebecca Williams]

16:30 - 18:00: 3.9.22 - Quantifying “boiling-over” versus discrete eruption column collapse to predict the timing and intensity of pyroclastic density currents [Johan Gilchrist]

16:30 - 18:00: 3.9.23 - Mass and Energy Exchange in Pyroclastic Density Currents: Development and Application of Physics-based Parameterizations [Josef Dufek]

16:30 - 18:00: 3.9.24 - Rheology of granular flows: implications for pyroclastic density currents [Natalia Lipiejko]

16:30 - 18:00: 3.9.25 - Size limits on particle rounding and their use in comparison between pyroclastic flow and fallout units [Natalia Lipiejko]

16:30 - 18:00: 3.9.26 - Dynamics of granular flows in volcanic environments: insights from analogue experiments [Rigoberto Aguilar Contreras]

16:30 - 18:00: 3.10.7 - Volcano-tectonic controls on magma evolution at Campi Flegrei, a long-lived caldera system [Fay Amstutz]

16:30 - 18:00: 3.10.8 - Unveiling the Maddaloni/X-6 eruption as one of the major events in Campi Flegrei volcanic history [Giada Fernandez]

16:30 - 18:00: 3.10.9 - Geodetic Modelling of Ground Deformation at Campi Flegrei Caldera (Italy) During the 1985–2003 Subsidence Phase [Ana Astort]

16:30 - 18:00: 3.10.10 - Continuous gravity recordings at Campi Flegrei caldera by means of spring and superconducting gravimeters [Raffaella Casolaro]

16:30 - 18:00: 3.10.11 - Time gravity changes during the current unrest at Campi Flegrei caldera (Italy) [Tommaso Pivetta]

16:30 - 18:00: 3.10.12 - Weak crustal layer beneath Campi Flegrei caldera identified: what's its impact on unrest dynamics? [Francesco Maccaferri]

16:30 - 18:00: 3.10.13 - Reconstruction of the eruptive history Campi Flegrei caldera by means of the thermomechanical model [Oleg Melnik]

16:30 - 18:00: 3.10.14 - Characterisation of the eruption magnitude distribution during the last three Epochs of activity of Campi Flegrei caldera (Italy) [Daniela Matias]

16:30 - 18:00: 3.10.15 - Triggers mechanism and reservoir configuration preceding eruptions at Campi Flegrei [Charline Lormand]

16:30 - 18:00: 3.10.16 - Uncovering fluid circulation dynamics in the Pisciarelli hydrothermal system (Campi Flegrei caldera, Italy) through numerical modelling [Rosanna Salone]

16:30 - 18:00: 3.10.17 - Moment tensor inversion and waveform clustering for 10 years of seismicity at the Campi Flegrei volcanic complex, Italy [Gilberto Saccorotti]

16:30 - 18:00: 3.10.18 - The space-time architecture variation of the shallow magmatic plumbing systems feeding the Campi Flegrei and Ischia volcanoes (Southern Italy) from halogen constraints [Hélène Balcone-Boissard]

16:30 - 18:00: 3.10.19 - Onland-offshore tectono-stratigraphic reconstruction of the Campi Flegrei caldera: deciphering the interplay between volcanism, deformation and collapse in the last 15 kyr [Jacopo Natale]

16:30 - 18:00: 3.10.20 - Electromagnetic monitoring of the Campi Flegrei active volcanic area [Rosa Buonaiuto]

16:30 - 18:00: 3.10.21 - First geophysical evidence of magma chamber beneath Campi Flegrei caldera through receiver functions analysis. [Víctor Ortega-Ramos]

16:30 - 18:00: 3.10.22 - High-frequency eruptive activity prior to the large eruption of the Neapolitan Yellow Tuff, Campi Flegrei, Italy. [Roberto Isaia]

16:30 - 18:00: 3.17.12 - Estimation of Volatile Degassing from Younger Deccan Traps Basaltic Volcanism across the Cretaceous-Paleogene Boundary using Geochemical, Petrological and Vesiculation Analyses [Ritwick Sen]

16:30 - 18:00: 3.17.13 - Foaming, shearing and outgassing in obsidians during 4D vesiculation experiments [Mathieu Colombier]

16:30 - 18:00: 3.17.14 - Thermal remote sensing of lava lakes: a physically-based algorithm [Sofie Rolain]

16:30 - 18:00: 3.17.15 - Volcanic sulfur emissions from magma source to ice core archive: the case of the 1783 Laki eruption [William Hutchison]

16:30 - 18:00: 3.17.16 - Monitoring of Ol Doinyo Lengaï volcano: new insights from photogrammetric and satellite data [Pierre-Yves Tournigand]

16:30 - 18:00: 3.17.17 - Reconstruction of the final effusive and intrusive phase at an open vent system: the case of Lemptégy (Chaine des Puys, France) [Ludovic Chender]

16:30 - 18:00: 3.17.18 - Mineralogy and formation mechanisms of the aerosol particles emitted by a permanent lava lake at Erta'Ale volcano, Danakil depression, Ethiopia. [Bernard Grobety]

16:30 - 18:00: 3.17.19 - Onset dynamics of paroxysmal activity from an open vent system: the Etna type case [Francesco Amadio]

16:30 - 18:00: 3.17.20 - The influence of plumbing architecture on magma dynamics and volcano monitoring: a contribution from the multidisciplinary petrological and geochemical framework (PGF) [Andrea Di Muro]

16:30 - 18:00: 3.17.21 - Assessing impact and dynamics of cone collapses triggered by explosive eruptions: the February 10 2022 eruption of Mt Etna (Italy) [Laura Pioli]

16:30 - 18:00: 3.17.22 - Experimental vesiculation and shearing in conduits of increasing size [Janine Birnbaum]

16:30 - 18:00: 3.17.23 - Estimating lava lake and exposed magma conduit levels using satellite-derived volcanic radiative power. [Adam Cotterill]

16:30 - 18:00: 3.17.24 - Quantification of low-temperature gas emissions reveals CO2 flux underestimates at Soufrière Hills volcano, Montserrat [Alexander Riddell]

16:30 - 18:00: 3.17.25 - First geochemical characterisation of shallow pre-eruptive magma degassing at Marapi volcano, Sumatra [Charlotte Barrington]

16:30 - 18:00: 3.17.26 - Gas and Trace Element Emissions at the Lava-Moss interface during the Litli-Hrutur eruption, Iceland 2023. [Laura Wainman]

16:30 - 18:00: 3.17.27 - Ash-leachates chemistry as a tool for monitoring volcanic activity: An application to Stromboli volcano from 2019 to 2024 [Emanuela Bagnato]

16:30 - 18:00: 3.17.28 - SpectroGas: the development and testing of a low-cost spectroscopic Multi-GAS [Rebecca England]

16:30 - 18:00: 3.17.29 - Contrasting degassing behavior of Kanlaon and Taal volcanoes, Philippines, revealed by campaign monitoring [Jerome Peter Traviña]

16:30 - 18:00: 3.17.30 - Diffuse CO2 degassing and its origin in the Tatun Volcano Group, Northern Taiwan [Ching-Chou Fu]

16:30 - 18:00: 3.17.31 - Volcano monitoring of El Hierro island (Canary Islands, Spain) through diffuse CO2 degassing surveys [Héctor de los Ríos]

16:30 - 18:00: 3.17.32 - Diffuse CO2 degassing and thermal energy release from Teide volcano summit crater, Canary Islands [Eleazar Padrón]

16:30 - 18:00: 3.17.33 - Diffuse CO2 emission from NERZ, NSRZ and NWRZ Tenerife volcanic systems, Canary Islands [David Afonso Falcón]

16:30 - 18:00: 3.17.34 - CO2 flux from Ribeira Quente river (Furnas Volcano – São Miguel, Azores) [Diogo Braga Gomes]

16:30 - 18:00: 3.17.35 - Temporal variations in fumarole gas chemistry at Teide volcano, Tenerife, Canary Islands [Eleazar Padrón]

16:30 - 18:00: 3.17.36 - Helium, carbon and nitrogen isotope evidence for slab influence on volcanic gas emissions at Rabaul caldera, Papua New Guinea [Brendan McCormick Kilbride]

16:30 - 18:00: 3.17.37 - Investigating Noble Gas Outgassing Dynamics in MORB and OIB Magmas with a New Lattice Boltzmann Method [Thomas Williams]

16:30 - 18:00: 3.17.38 - Syneruptive and diffuse degassing of mercury at Piton de la Fournaise volcano (Reunion Island) [Bhavani BENARD]

16:30 - 18:00: 3.17.39 - Unravelling the mechanisms behind frequent explosive activity on El Reventador (Ecuador) [Thomas Wilkes]

16:30 - 18:00: 3.17.40 - Gas emissions from Mount Cleveland, Alaska, provide insights into volcanic processes [Christoph Kern]

16:30 - 18:00: 3.17.41 - Comparison between UV and TIR ground-based SO2 measurements carried out at Popocatepetl volcano and validation with satellite data [Lorenzo Guerrieri]

16:30 - 18:00: 3.17.42 - Retrievals of volcanic cloud properties with hyperspectral infrared satellite instruments [Isabelle Taylor]

16:30 - 18:00: 3.17.43 - Insights into the 2023 eruption of Shishaldin Volcano, Alaska, from satellite SO2 emissions and complementary datasets [Taryn Lopez]

16:30 - 18:00: 3.17.44 - Insights into eruption dynamics from TROPOMI/PlumeTraj-derived SO2 emissions during the 2022 eruption of Mauna Loa, Hawai‘i [Ben Esse]

16:30 - 18:00: 3.17.45 - Intercomparison of remote sensing methods for field measurements of volcanic gas emissions [Santiago Arellano]

16:30 - 18:00: 3.17.46 - A collaborative effort towards improving volcanic gas monitoring and eruption forecasting in Colombia: the case studies of Nevado del Ruiz, Purace, and Galeras [João Lages]

16:30 - 18:00: 6.7.7 - Fatalities associated with Pyroclastic Density Currents: Insights from an updated global dataset [Fathia Lutfiananda]

16:30 - 18:00: 6.7.8 - Dispersion of SO2 during the 2021 Tajogaite eruption, la Palma and associated health-relevant population exposure assessment [David Jessop]

16:30 - 18:00: 6.7.9 - How fit-for-purpose are volcanic physical vulnerability models at predicting impacts in diverse risk contexts? [Alana Weir]

16:30 - 18:00: 6.7.10 - Can we account for human displacement in volcanic risk analyses? [Sébastien Biass]

16:30 - 18:00: 6.7.11 - Volcanic Risk Ranking of the Southern Volcanic Zone of the Andes using open data [Luigia Sara Di Maio]

16:30 - 18:00: 6.7.12 - Te Awe Mapara, towards a National Volcano Hazard Model under climatic changes [Mark Bebbington]

16:30 - 18:00: 6.7.13 - Assessing volcanic warning systems within a complex multi-hazard environment – a case study from Samoa [Andrew Tupper]

16:30 - 18:00: 6.7.14 - Development of a pedestrian evacuation model and application to two active volcanoes in Indonesia [Mojan Marghoub Shadkar]

16:30 - 18:00: 6.7.15 - Volcanic Hazard Assessment of Paroxysms at Stromboli (Italy) with Uncertainty Quantification: Deposit-derived Pyroclastic Density Currents [Andrea Bevilacqua]

16:30 - 18:00: 6.7.16 - Volcano mass-wasting and volcanic processes' risk assessment using Borromean Rings and Fuzzy Logic Systems [Modesto Eusebio Portilla Gamboa]

16:30 - 18:00: 6.7.17 - Disruption to airport operations by volcanic ash fall [Susanna Jenkins]

16:30 - 18:00: 6.7.18 - How do we move closer to near real-time volcanic hazard and risk estimation? [Julie De Groote]

16:30 - 18:00: 6.7.19 - WITHDRAWN -Using the value chain approach in Samoa to assess and prioritise multi-hazard early warning system vulnerabilities [Andrew Tupper]

16:30 - 18:00: 6.7.20 - Mapped geologic features used to forecast long-term likelihood of future eruption locations: applications during an ongoing series of frequent, differing-impact eruptions on the Reykjanes Peninsula, Iceland [Melissa Anne Pfeffer]

16:30 - 18:00: 6.7.21 - Assessing Tephra Mass Deposition on Roads for Effective Management of Volcanic Eruption Impacts: The Case of Mount Etna, Italy [Luigi Mereu]

16:30 - 18:00: 6.7.22 - Assessing volcanic multi-hazard risk on the road network using the ADVISE methodology: the case of Vulcano Island, Italy [Angie Stephania Ramírez Huerta]

16:30 - 18:00: 6.7.23 - Vulnerability of agriculture to tephra fall: A systematic review of research approaches [Hind Dib]

16:30 - 18:00: 6.7.24 - A new high-resolution hazard map for Villarrica volcano, Southern Chile: Methodology and Results [Franco Vera]

16:30 - 18:00: 6.8.7 - Tracking mineral precipitation, dissolution, and alteration below volcanic lakes using vertical temperature profiles [Zachary Smith]

16:30 - 18:00: 6.8.8 - Sulfur scrubbing and remobilization at Poás: Implications for gas monitoring at volcanic lakes [Maarten de Moor]

16:30 - 18:00: 6.8.9 - Early warning system for detecting unexpected changes in Lake Kivu stratification [Jean Modeste Mushimiyimana]

16:30 - 18:00: 6.8.10 - New insights into the volcanic unrest at Campi Flegrei (southern Italy) based on an integrated geochemical and microbiological investigation at Astroni lakes. [Franco Tassi]

16:30 - 18:00: 6.8.11 - Geochemical characterization of piping-sinkhole lakes as a potential monitoring tool in seismogenic areas [Jacopo Cabassi]

16:30 - 18:00: 6.8.12 - Native sulfur spherules from volcanic water lake and fumaroles (La Soufrière Volcano, Guadeloupe) [Fidel Costa]

16:30 - 18:00: 6.8.13 - Lahar triggering mechanisms at Lake Albano (Rome, Italy): evidence from archaeology, volcanology and numerical modeling [Dmitri Rouwet]

16:30 - 18:00: 6.8.14 - CO2 diffuse degassing in volcanic lakes in Ecuador [Silvana Hidalgo]

16:30 - 18:00: 6.8.15 - CO2 and CH4 fluxes from Congro and Santiago volcanic lakes (São Miguel, Azores) [Cesar Andrade]

16:30 - 18:00: 7.5.8 - Data and service management of the EPOS Volcano Observations Thematic Core Service by the European volcanological community [Letizia Spampinato]

16:30 - 18:00: 7.5.9 - Unleashing the Power of Open Data: Lessons from History and Paths Forward [Debra Parcheta]

16:30 - 18:00: 7.5.10 - The Geohazard Digital Twin Component as a means for Open Science in Volcanology [Hugues Brenot]

16:30 - 18:00: 7.5.11 - Tephra: from reconstructing past eruptions to forecasting and modelling future events – A Special Publication [Alastair Hodgetts]

16:30 - 18:00: 7.5.12 - WOVOdat Web Service Data Retrieval System for Comprehensive Volcano Monitoring [Thin Zar Win Nang]

16:30 - 18:00: 7.5.13 - Results of round-table discussions on the future of Volcanic and Igneous Plumbing System research [Janine Kavanagh]

16:30 - 18:00: 7.5.14 - Teaching LAHARZ at CSAV is quicker with VICTOR: using the cloud-based VICTOR platform for an international lahar modeling course [Sarah Ogburn]

16:30 - 18:00: 7.5.15 - Network for Observation of Volcanic and Atmospheric Change (NOVAC): Community technology development and implementation for volcanic gas monitoring [Christoph Kern]

16:30 - 18:00: 7.5.16 - Experiences with open volcano monitoring data at GeoNet, Aotearoa New Zealand [Steven Sherburn]

16:30 - 18:00: 7.5.17 - How we improved FAIR for volcano monitoring data at GeoNet, Aotearoa New Zealand [Steven Sherburn]

16:30 - 18:00: 7.5.18 - Management of the Volcanological Data: An overview [Giuseppe Puglisi]

16:30 - 18:00: 7.5.19 - Global Perspectives on Volcano Monitoring: Automation, Standardization, and Capacity Building [Benoit Taisne]

16:30 - 18:00: 7.5.20 - Enhanced global monitoring of volcanic plumes through integration of LEO and GEO retrievals to support volcanic observatories and aviation stakeholders [Hugues Brenot]

16:30 - 18:00: 7.5.21 - On the use of dense seismic deployment and data processing at volcanoes; a collaborative effort [Corentin Caudron]

16:30 - 18:00: 7.5.22 - Volcanological Software as a Service to the community [Chiara Montagna]

16:30 - 18:00: 7.5.23 - Gales: an open-source volcano simulation toolbox [Deepak Garg]

16:30 - 18:00: 7.5.24 - A streamlined tephra inversion workflow in the cloud with VICTOR [Einat Lev]

16:30 - 18:00: 7.5.25 - Update on the Tephra Information Portal (TIP) [Kristi Wallace]

16:30 - 18:00: 7.5.26 - Tephra Fusion 2.0 - Creating the future of FAIR tephra data [Stephen Kuehn]

16:30 - 18:00: 7.5.27 - Enabling Open Volcanology With Community-driven Services for Open & FAIR Data and Samples [Kerstin Lehnert]

16:30 - 18:00: 7.5.28 - Open Science in Chilean Patagonia: Enhancing the Volcanic Context through Collaboration and Communication in Patagonia, a Region of Extremes [Andrea Aguilar Sánchez]

16:30 - 18:30: 6.6.10 - The toxic effect of volcanic soil nanoparticules, imogolite and halloysite, nanoparticles on macrophages [Latifa Sarra Kazi Tani]