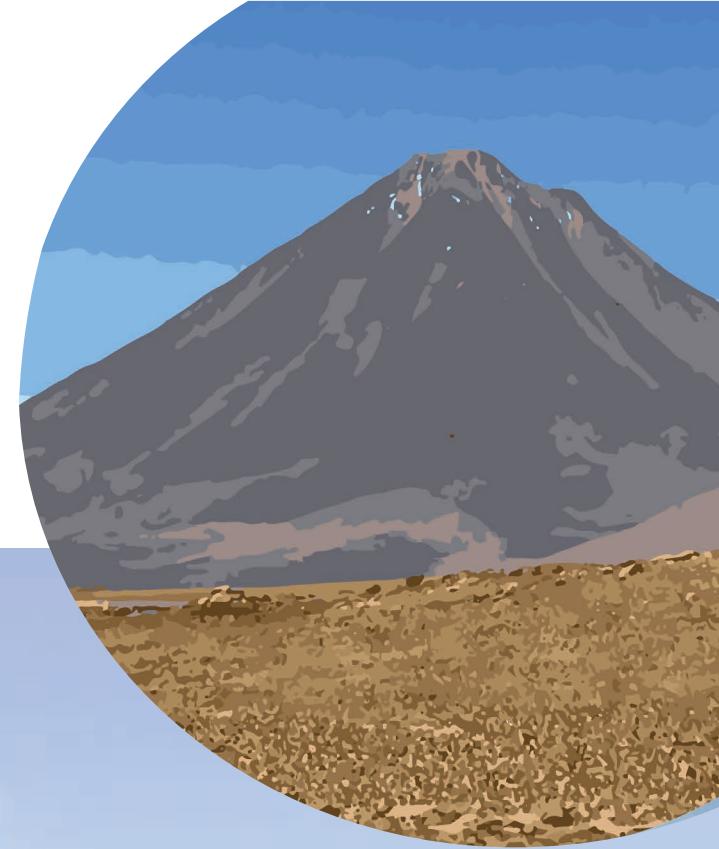


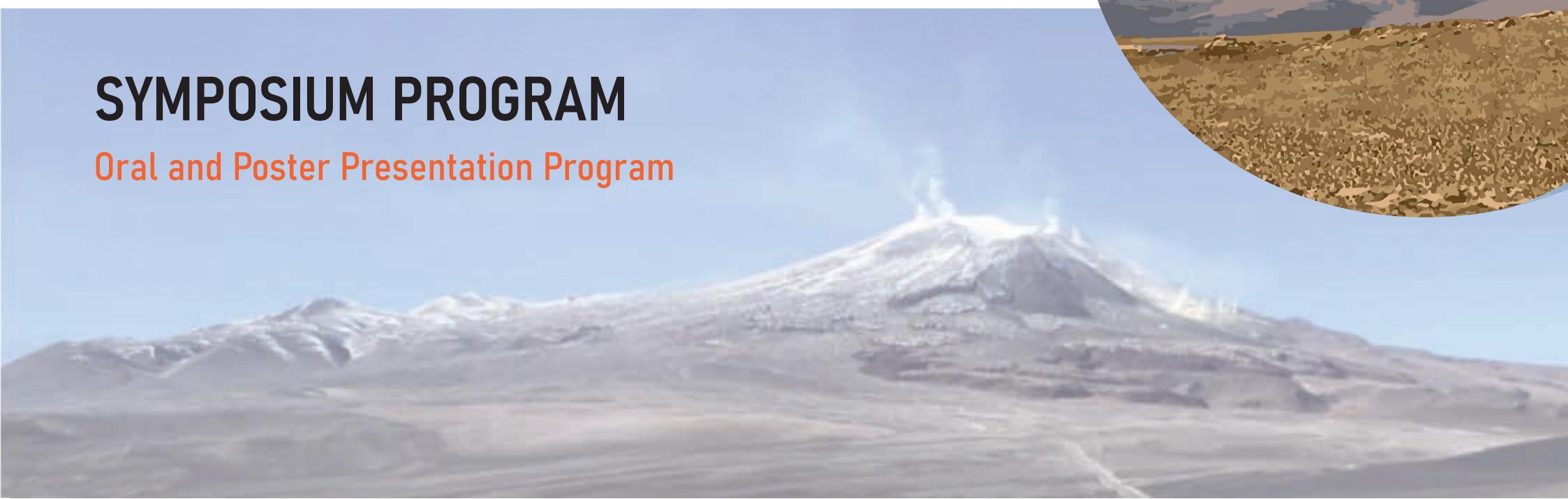
1st Symposium on the Central Volcanic Zone of the Andes

30 June-2 July 2021 in a virtual format.



SYMPORIUM PROGRAM

Oral and Poster Presentation Program



ORAL PRESENTATION PROGRAM

Wednesday 30 June						
UTC Time	Thematic area	ROOM 1	Author	Thematic area	ROOM 2	Author
13.00-13.10	Inaugural Speech					
13.10-13.40	(Keynote Speaker presentation) Dr. Shanaka de Silva: Making rhyolites and building the Altiplano-Puna Volcanic Complex - new insights from the Caspana ignimbrite of Northern Chile					
13.40-14.00	Deep magmatic processes	Tracking magma accumulation and evolution in the Andean Central Volcanic Zone	Gary Michelfelder et al.	Geoheritage and geoconservation	Geodiversity estimates in volcanic arc terrains to characterise volcanic geoheritage	Karoly Nemeth et al.
14.00-14.20		A deep "hot zone" beneath the southern Puna plateau: evidence from the Miocene-Quaternary Cordillera de San Buenaventura volcanic system	Lorenzo Bardelli et al.		IGCP 692 Project "Geological heritage for resilience to geological hazards": Geosite in Arequipa - Perú.	Nélida Manrique et al.
14.20-14.40		Sr Isotopes of Cerro Otero Maar: A Window into the CVZ Mantle	Brennan Van Alderwerelt et al.		Valuation of the geological heritage in the Huaynaputina volcano, as a tool for resilience and geoconservation	Carla Arias et al.
14.40-15.00		Volcanism of the Serranía Intersalar, Bolivia: A temporal and geochemical evaluation of an arc-to rear-arc transect across the heart of the Central Andean Plateau	Morgan Salisbury et al.		Preliminary quantitative and qualitative geoheritage assesment of the commune of Colchane, northern Chile	José Pablo Sepúlveda et al.
15.00-15.20		Pre-eruptive magmatic processes associated with the historical (218 ± 14 aBP) explosive eruption of Tutupaca volcano	Nélida Manrique et al.		Valoración del patrimonio geológico para la creación de georutas en la Reserva Nacional Alto Loa (RNAL), norte de Chile	Miguel Fernández
15.20-15.30	BREAK					
15.30-15.50	Deep magmatic processes	Composition and distribution of volatiles in mafic rocks of Central Andean Volcanic Zone, northern Chile	Cristóbal González et al.	Cultural implications of volcanism	Identification of buried villages and structures by the eruption of the Huaynaputina volcano through magnetic prospection and photogrammetry	Neldy Sánchez et al.
15.50-16.10		Fluid geochemistry of gas and water discharge from the magmatic-hydrothermal system at Guallatiri volcano	Manuel Inostroza et al.		Volcanes, leyendas y sacralidad del espacio. Algunas reflexiones desde la antropología	Martín Vilariño
16.10-16.30	Volcanic hazard and risk	A new inclusive Volcanic Risk Ranking: Methodology and Application to Latin America	Leticia Freitas et al.	Geophysics applied to volcanism/Volcanic monitoring	Volcanic eruption forecasting applied successfully to Ubinas volcano in 2019	José Del Carpio et al.
16.30-16.50		Challenges of regional mapping of the CVZ	María Paz Reyes-Hardy et al.		Characterization of long period seismic signals (Tornillo) possible source registered of Ubinas volcano, 2014 -2020	Mayra Ortega et al.
16.50-17.10		The first spatio-temporal volcanic hazards assessment for the Central Andes of Chile and Argentina (22-29°S): a useful approach for distributed volcanism elsewhere?	Daniel Bertín et al.		Advances in visual monitoring at Misti and Ubinas volcanoes using optical cameras in real time and satelital images	Neldy Sánchez et al.

ORAL PRESENTATION PROGRAM

Thursday 1 July						
UTC Time	Thematic area	ROOM 1	Author	Thematic area	ROOM 2	Author
13.00-13.30	(Keynote Speaker presentation) Dr. Suzanne Mahlburg Kay: Southern Central Volcanic Zone and Puna backarc at ~24° to 28°S: A magmatic perspective linking geochemistry to seismology from the slab to the crust					
13.30-13.50	Volcanic hazard and risk	New Misti volcano hazard map: Preliminary simulations of lahars and pyroclastic flows Arequipa, Perú	Kevin Cueva et al.	Geophysics applied to volcanism/Volcanic monitoring	Advances in the study of the internal structure of the Sabancaya volcano	Luis Cruz et al.
13.50-14.10		Pyroclastic Current Hazards at El Misti Volcano (Peru)	Sylvain Charbonnier et al.		Precursor seismicity in the eruptive process of Sabancaya volcano (2013-2018), Arequipa-Peru	José Luis Torres et al.
14.10-14.30		The Plinian eruption of Misti volcano, which emplaced the Sacarosa tephra-fall deposit in the city of Arequipa, Peru	Juan Cuno		Characterization of deformation and seismic activity at Sabancaya volcano and its surroundings from 2014-2021	Katherine Vargas et al.
14.30-14.50		Study of the Upper Pleistocene Plinian eruptions - "Lower Sandwich" and "Upper Sandwich" - of Misti volcano, that they left deposits of pyroclastic fall in the city of Arequipa, Perú	Gian Marco Escobar		Magmatic intrusion associated with distal seismicity in the Sabancaya volcano, 2020 - 2021	Rosa Ancassi and Fredy Apaza
14.50-15.10		Aeolian remobilisation of volcanic ash at Sabancaya volcano (Peru)	Allan Fries et al.		Procesamiento primario de sismos volcánicos mediante el sistema LAKIY en el volcán Sabancaya	Edison Paria et al.
15.10-15.20	BREAK					
15.20-15.40	Volcanic hazard and risk	Posibles efectos de la ceniza emitida por los volcanes Sabancaya y Ubinas en la actividad minera	Saida Japura et al.	Geophysics applied to volcanism/Volcanic monitoring	Growth and destruction lava dome during the 2019/2020 eruption of Sabancaya volcano, Perú, analyzed by multiparametric monitoring	Fredy Apaza et al.
15.40-16.00		Social management of the volcanic crises of the Ubinas 2006-2009, 2014-2017 and 2019	Jersy Mariño et al.		Detección de emisiones volcánicas en secuencias de video mediante inteligencia artificial Caso de estudio: volcán Sabancaya	Milwart Rossini et al.
16.00-16.20		Hazard Assessment of the Chachani Volcanic Complex	Veronica Tito et al.		Seismic sequence and source parameters in the surroundings of Casiri and Purupuruni volcanoes	Lisbeth Velarde et al.
16.20-16.40		Reconstruction of the pyroclastic density currents during April 1993 eruption on Lascar volcano by use of computational physical models	Alfredo Esquivel and Felipe Aguilera		Inside the Zombie: 3-D Gravity Inversion at Uturuncu Volcano Reveals Shallow Hydrothermal System and Possible Sulfide Deposition	Patricia Macqueen et al.
16.40-17.00	POSTER SESSION					

ORAL PRESENTATION PROGRAM

Friday 2 July						
UTC Time	Thematic area	ROOM 1	Author	Thematic area	ROOM 2	Author
13.00-13.30	(Keynote Speaker presentation) Dr. Gerhard Wörner: Volcano research from Alexander von Humboldt to modern concepts of trans-crustal magma systems in the Central Andes					
13.30-13.50	Monogenetic volcanism	Relevance of monogenetic volcanism to volcanic arc settings	Karoly Nemeth et al.	Polygenetic volcanism/Geodynamics applied to volcanism/Remote sensing	Puede provocar la reactivación de una falla cortical la erupción de un volcán?: Registro geológico e historico en los Andes Centrales del sur del Perú	Carlos Benavente et al
13.50-14.10		An Overview of the Mafic and Felsic Monogenetic Neogene to Quaternary Volcanism in the Central Andes, Northern Chile (18-28°Lat.S)	Gabriel Ureta et al.		Geology and eruptive chronology of the Chachani Volcanic Cluster, Peru	Rigoberto Aguilar et al.
14.10-14.30		Cerro Volcán Quemado: a phreatomagmatic complex in the Bolivian northern Altiplano	Néstor Jiménez		Geology of the Sara Sara volcano: Study of large eruptions explosive at the northern end of the Central Volcanic Zone of the Andes	Kevin Cueva et al.
14.30-14.50		Ánálisis volumétrico y morfométrico de los centros monogenéticos del campo volcánico El Negrillar	Camila Loaiza et al.		Eruptive chronology of the Tutupaca volcanic complex	Jersy Mariño et al.
14.50-15.10		Volcán Cerro Negro: Origen, composición y evolución de un cono piroclástico Cuaternario en los Andes Centrales, Chile	Gabriel Ureta et al.		The 2019-2020 activity of the Sabancaya volcano (Peru): Characteristics of the ash deposits	David Valdivia et al.
15.10-15.20	BREAK					
15.20-15.40	Polygenetic volcanism/Geodynamics applied to volcanism/Remote sensing	Satellite-based mapping of silica content of the Altiplano-Puna Volcanic Complex	Gen Ito et al.	Polygenetic volcanism/Geodynamics applied to volcanism/Remote sensing	Geoquímica y morfometría del volcanismo Neógeno-Cuaternario del norte de Chile	Polanco et al.
15.40-16.00		Remote analysis of andesitic-to-dacitic lava flows Central Andean Volcanic Zone: A new proposed morphology-based classification	José Pablo Sepúlveda et al.		Distribución, condiciones de deposición, geoquímica y fuente de emisión de la Ignimbrita Lauca, Altiplano de Chile, Perú y Bolivia	Rodrigo Espinoza
16.00-16.20		Rheology of the Andean domes as an analog for lunar silicic constructs	Jessica Flahaut et al.		The Plio-Pleistocene Varvarco Volcanic Field and its relation with the Southern Central Andean magmatism	Sofía Ianelli et al.
16.20-16.40		Hazard map of Sara Sara, Peru's northernmost potentially active volcano	Yhon Soncco et al.		A miocene welded ignimbrite in the southern Ecuador: The Jubones Formation	Michelle Villalta et al.
16.40-17.00	POSTER SESSION					

POSTER PRESENTATION PROGRAM

Thursday 1 July	
Características de las señales sísmicas asociadas a lahares identificados en el volcán Ubinas 2021	B. Ccallata et al.
Automatic detection and classification of volcano-seismic events based on machine learning: a useful tool monitoring Sabancaya volcano (Peru)	Riky Centeno and Rudy Sanchez
Slowing Deformation at Uturuncu Volcano, Bolivia from Geodetic Observations	Elizabeth Eiden et al.
Unoccupied Aircraft Systems (UAS) based morphological analysis of summit crater of volcano Lascar, Chile	Ai Lun
Focal mechanisms in volcanic caldera from Full Wave Inversion	Silvana Spagnotto et al.
3D Ambient Noise Tomography of Llaima Volcano, Chile	Rossavik, K. and Mikesell, D.
Friday 2 July	
Volcán Mulas Muertas (Andes Centrales): Caracterización petrográfica y geoquímica de un volcán colapsado de edad miocena	Jorge Romero et al.
The large Holocene eruptions in the southern Central Volcanic Zone: Cerro Blanco as case study	José Luis Fernandez-Turiel et al.
Geocronología del Complejo Volcánico Ampato-Sabancaya	Rosmery Delgado and Pablo Samaniego
Effusion rate estimation in cooled lava flows: implications for volcanic risk assessment in the Negros de Aras monogenetic volcanic field, northern Chile	Matías Vilches et al.
Geomorphological, morphometric, and spatial distribution analysis of the socria cones in the Negros de Ara monogenetic volcanic field, northern Chile	Mauricio Aguilera et al.
Domos cuaternarios en la Zona Volcánica Central (ZVC), norte de Chile: Distribución espacio-temporal, morfológica y composicional	Alexander Scheinost et al.
Volcanic hazard assessment through numerical simulation of eruptive scenarios at the San Pedro volcano, northern Chile	Nicolás Alcozer et al.
Fumarolic minerals from the Lastarria volcano	Manuel Inostroza et al.

