

**CONVENERS:**

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S01.08 - Multi-method approaches to screen storage, activation, and transport in magmatic systems

Time	ID	Title	Author Name	Affiliations	Presenter Name
8.30 - 8.45	1020	The tip of the dike: crystals record the conduit opening and magma transport to the surface	Helena Albert (1)   Patricia Larrea (2)   Fidel Costa (1)   Elisabeth Widom (3)   Claus Siebe (2)	(1) Earth Observatory of Singapore, Nanyang Technological University   (2) Istituto de Geofisica, UNAM   (3) Geology & Environmental Earth Science, Miami University	Helena Albert (Invited)
8.45 - 9.00	999	The link between magmatic water content and geophysically determined magma storage depth	Daniel Rasmussen (1)   Terry Plank (1)   Diana Roman (2)   Mindy Zimmer (3)	(1) Lamont-Doherty Earth Observatory, Columbia University, New York, NY, USA   (2) Department of Terrestrial Magnetism, Carnegie Institution for Science, Washington, DC, USA   (3) Pacific Northwest National Lab, Richland, WA, USA	Daniel Rasmussen
9.00 - 9.15	550	Pyroxene residence time of two contrasting Plinian eruptions at Popocatepetl volcano (Mexico)	Chiara Maria Petrone (1)   Yee Lap Leung (2)   Martin Mangler (1,2)   Julie Prytulak (2)	(1) Department of Earth Sciences, The Natural History Museum, London, UK   (2) Department of Earth Science and Engineering, Imperial College, London, UK	Chiara Maria Petrone
9.15 - 9.30	605	Pre-eruptive magmatic processes and their timescales at Vulcano island (southern Italy) during the last 1000 years	Eugenio Nicotra (1)   Marisa Giuffrida (2)   Marco Viccaro (2,3)   Paola Donato (1)   Claudia D'Oriano (4)   Antonio Paonita (4)   Rosanna De Rosa (1)	(1) University of Calabria   (2) University of Catania   (3) INGV, Catania   (4) INGV, Palermo	Eugenio Nicotra
9.30 - 9.45	590	Dynamic interaction between shallow reservoir and deep chamber inside Aso volcano, Japan	Jieming Niu (1)   Teh-Ru Alex Song (1)   Kai Deng (1)	(1) University College London	Jieming Niu
9.45 - 10.00	389	Insights into magma storage and fault-magma interactions in an early-stage continental rift from active deformation and kinematic modelling studies	Sarah J. Oliva (1)   Cynthia J. Ebinger (1)   Christelle Wauthier (2)   James D. Muirhead (3)   Steven W. Roecker (4)   Eleonora Rivalta (5)   Sebastian Heimann (5)   Tobias Fischer (6)   Josef Dufek (7)	(1) Tulane University, New Orleans, Louisiana, USA   (2) Pennsylvania State University, State College, Pennsylvania, USA   (3) Syracuse University, Syracuse, New York, USA   (4) Rensselaer Polytechnic Institute, Troy, New York, USA   (5) GFZ German Centre for Geosciences, Potsdam, Germany   (6) University of New Mexico, Albuquerque, New Mexico, USA   (7) Georgia Institute of Technology, Atlanta, Georgia, USA	Sarah J. Oliva
10.00 - 10.15	178	What controls the arrival of magma at the surface? Interplay between buoyancy and crustal stress field.	Virginie Pinel (1)   Francesco Maccaferri (2)   Eleonora Rivalta (2)   Chloé Michaut (3)   Delphine Smittarello (1)   Alexandre Carrara (1)   Valérie Cayol (4)	(1) Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, IRD, IFSTTAR, ISTerre, 38000 Grenoble, France   (2) GFZ German Centre for Geosciences, Section 2.1, Telegrafenberg, 14473 Potsdam, Germany   (3) Université de Lyon, Ecole Normale Supérieure de Lyon, UCBL, CNRS, Laboratoire de Géologie de Lyon -Terre, Planètes, Environnement, 69007 Lyon, France   (4) Laboratoire Magmas et Volcans, Univ. Blaise Pascal, CNRS, IRD, OPGC, Aubière, France	Virginie Pinel
10.15 - 10.30	903	Explosive volcanic eruptions: can we anticipate their size and impact?	Paolo Papale (1)   Simone Colucci (1)	(1) INGV Pisa	Paolo Papale

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S01.30 - Environmental and societal impacts of past volcanic eruptions: integrating the geosciences with the historical, anthropological, and archaeological sciences

Time	ID	Title	Author Name	Affiliations	Presenter Name
14.30 - 14.45	477	The number, timing, strength and climate impact of large volcanic eruptions during the Holocene – a yearby- year inventory from polar ice cores	Michael Sigl (1)   Mirko Severi (2)   Joseph R. McConnell (3)   Jihong Cole-Dai (4)   Gill Plunkett (5)   Kirstin Krüger (1)   Stephan Lorenz (6)   Claudia Timmreck (6)   Markus Stoffel (7)   Matthew Toohey (8)   Kurt Nicolussi (9)   Sepp Kipfstuhl (10)	(1) Department of Geosciences, University of Oslo, Oslo, Norway   (2) Department of Chemistry “Ugo Schiff”, University of Florence, Italy   (3) Desert Research Institute, Reno, USA   (4) South Dakota State University, Brookings, USA   (5) School of Geography, Archaeology and Palaeoecology, Queen’s University Belfast, Belfast, UK   (6) Max Planck Institute for Meteorology, Hamburg, Germany   (7) Climate Impacts & Risks in the Anthropocene, Institute for Environmental Sciences, University of Geneva, Geneva, Switzerland   (8) GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany   (9) Institut für Geographie, Leopold-Franzens-Universität, Innsbruck, Austria   (10) Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven, Germany	Michael Sigl
14.45 - 15.00	1183	The response of the climate system to explosive volcanic eruptions during the Common Era	Kevin Anchukaitis (1)	(1) University of Arizona	Kevin Anchukaitis
15.00 - 15.15	1011	Timing and dispersal of Middle Pleistocene caldera-forming eruptions in the Main Ethiopian Rift	Celine Vidal (1)   Karen Fontijn (2)   Christine Lane (1)   Clive Oppenheimer (1)   Gezahegn Yirgu (3)   Yves Moussallam (4)   Amdemichael Zafu Tadesse (3)   Dan Barfod (5)   Paul Mohr (6)   Alfonso Benito Calvo (7)   Frances Williams (8)	(1) University of Cambridge   (2) University of Oxford   (3) Addis Abeba University   (4) IRD-Universite Blaise Pascal   (5) SUERC-University of Glasgow   (6) University College Galway   (7) Centro de Investigacil_n sobre la Evolucil_n Humana   (8) Univer	Celine Vidal
15.15 - 15.30	453	Revisiting the climate impact of the c. 12,900 yr BP Laacher See eruption	Felix Riede (1)   Claudia Timmreck (2)   Anke Zernack (1)   Anja Schmidt (3)   Clive Oppenheimer (4)	(1) LAPADIS – Laboratory for Past Disaster Science, Department of Archaeology and Heritage Studies, Aarhus University, Moesgård Allé 20, 8270 Højbjerg, Denmark   (2) Max- Planck-Institut für Meteorologie, Bundesstr. 53, D-20146 Hamburg, Germany   (3) Department of Chemistry, Lensfield Road, Cambridge CB2 1EW, United Kingdom   (4) Department of Geography, University of Cambridge, Downing Place, Cambridge CB2 3EN	Felix Riede
15.30 - 15.45	834	Reconstructing the Late Bronze Age intra-caldera island of Santorini, Greece	David Karatson (1), Ralf Gertisser (2), Tamas Telbisz (1), Viktor Vereb (1), Xavier Quidelleur (3), Timothy Druitt (4), Paraskevi Nomikou (5), Szabolcs Kosik (6)	(1) Eotvos University Budapest (2) Keele University (3) GEOPS University Paris-Sud (4) Laboratoire Magmas et Volcans, University Clermont Auvergne (5)National and Kapodistrian University of Athens (6) Massey University	David Karatson
15.45 - 16.00	97	Impacts of a Pre-Cursory Eruptive Activity on a Thriving Bronze-Age Civilization, Santorini	Krista Evans (1)   Floyd McCoy (1)	(1) University of Hawaii at Manoa	Krista Evans
16.00 - 16.15	503	Progress in the knowledge of the flank eruptions occurring on Etna over the past 2,700 years	Stefano Branca (1)   Tiziana Abate (2)   Michel Condomines (3)   Jean-Claude Tanguy (4)	(1) INGV-Osservatorio Etneo, Catania   (2) École Pratique des Hautes Études, Sorbonne (3) Université de Montpellier   (4) Institut de Physique du Globe de Paris	Stefano Branca
16.15 - 16.30	544	Revealing the age of a volcanic eruption in the Kula volcanic field (Turkey) eye-witnessed by Bronze-age people	İnan Ulusoy (1)   M. Akif Sankaya (2) Axel K. Schmitt (3)   Erdal Şen (1)   Martin Danišik (4)   Erdal Gümüş (5)	(1) Hacettepe Univ. Dept. Geological Engineering, 06800, Beytepe-Ankara, Turkey   (2) Istanbul Technical Univ. Eurasia Institute of Earth Sci. Saryer, Istanbul 34469, Turkey   (3) Institut für Geowissenschaften, Univ. Heidelberg, Im Neuenheimer Feld 234-236, 69120 Heidelberg, Germany   (4) John de Laeter Centre, TIGeR, School of Earth and Planetary Sci. Curtin Univ. GPO Box U1987, Perth, WA 6845, Australia   (5) Manisa Celal Bayar Univ. Geopark Research Center & Demirci Voc. School, Dept. GIS, 45900, Demirci, Manisa, Turkey	İnan Ulusoy
17.00 - 17.15	202	The Keys to the Past: A Mixed-Methods Approach to Reconstructing the 1812 eruption of La Soufriere St. Vincent	Jazmin P. Scarlett (1,2)   Rebecca Williams (1)   Greg Bankoff (3)   Briony McDonagh (1)	(1) School of Environmental Sciences, University of Hull, Cottingham Road, Hull, HU6 7RX, UK   (2) Laboratory for Past Disaster Science (LAPADIS), Department of Archaeology and Heritage Studies, Aarhus University, Moesgard Allé, 8270 Højbjerg, Denmark   (3) School of Histories, Languages and Cultures, University of Hull, Cottingham Road, Hull, HU6 7RX, UK	Jazmin P. Scarlett
17.15 - 17.30	918	The 1902-3 eruptions of the Soufrière, St Vincent: impacts, relief and response	David Pyle (1), Jenni Barclay (2), Maria Teresa Armijos (2)	(1) University of Oxford (2) University of East Anglia	David Pyle
17.30 - 17.45	1087	Not just a nice piece of art work: innovations that integrate the humanities into building resilience to geohazards.	Maria Teresa Armijos (1)   Wendy McMahon (2) Jenni Barclay (3)	School of International Development, University of East Anglia, Norwich, UK   School of American Studies, University of East Anglia, Norwich, UK   School of Environmental Sciences, University of East Anglia, Norwich, UK	Maria Teresa Armijos
17.45 - 18.00	854	Data-mining history: A tale of three volcanoes	Katharine Cashman (1)   Caroline Williams (1)   Hannah Berry (1)	(1) University of Bristol	Katharine Cashman

S01.30 - Environmental and societal impacts of past volcanic eruptions: integrating the geosciences with the historical, anthropological, and archaeological sciences

Time	ID	Title	Author Name	Affiliations	Presenter Name
18.00 - 18.15	464	6th-century Eruptions of Mt Haruna in Japan and Their Social Consequences	Gina Barnes	(1) Durham University	Gina Barnes
18.15 - 18.30	368	Mapping waiata koroua (traditional prose) of the Tarawera Eruption, 1886; and its relevance to contemporary natural hazards preparedness and response.	Sylvia Tapuke (4)	(1) Tuhoë (2) Samoa (3) Massey University (4) Earthquake Commission New Zealand	Sylvia Tapuke
18.30 - 19.00	1063	An active volcano dams a lake: Potential extreme hazards as the Antuco volcano devastating event, Southern Andes, Chile, 37.4°S	Hugo Moreno (1,2)   Mauricio Mella (1)	(1) SERNAGEOMIN, Chile; (2) IAVCEI	Hugo Moreno (1,2)
19.00 - ?	1104	A multidisciplinary study of Lake Nemi emissary: petrology, engineering and archaeology from the tunnel excavated within the volcanic structure	Giuseppina Kysar Mattiètti (1,2)   Romano Moscatelli (2)   Riccardo Paolucci (2)   Marco Placidi (2)   Giuseppe Pulitani (3)   Franco Villegas-Garin (1)	(1) George Mason University, Fairfax, VA - USA   (2) CRSA - Center for Spelearchaeological Research, Rome, Italy   (3) Colonna, Rome, Italy	Giuseppina Kysar Mattiètti