

CONVENERS:

Sebastien Biasse | SOEST, University of Hawai'i, USA • sbiasse@hawaii.edu

Costanza Bonadonna | Université de Genève, Switzerland • costanza.bonadonna@unige.ch

Susanna Jenkins | Earth Observatory of Singapore, Nanyang Technological University, Singapore • susanna.jenkins@ntu.edu.sg

Carol Stewart | Joint Centre for Disaster Research, Massey University/GNS Science, New Zealand • C.Stewart1@massey.ac.nz

Thomas Wilson | University of Canterbury, New Zealand • thomas.wilson@canterbury.ac.nz

Giulio Zuccaro | Centro studi P.LINI.V.S., University of Naples Federico II, Italy • giulio.zuccaro@unina.it

S02.02 - Volcanic impacts to society: using field, modelling and laboratory approaches to inform disaster risk and resilience assessments and mitigation

Time	ID	Title	Author Name	Affiliations	Presenter Name
8.30 - 8.45	303	Holocene Plinian eruptions at Volcán de Colima, Mexico: implications for future explosive activity	Julia Crummy (1) Ivan Savov (2) Chuck Connor (3) Laura Connor (3) Carlos Navarro (4)	(1) British Geological Survey (2) University of Leeds, UK (3) University of South Florida, Tampa, USA (4) Observatorio Vulcanológico de Colima, Colima, Mexico	Julia Crummy
8.45 - 9.00	1084	Forensic analysis of the Öræfajökull 1362, course of events from unrest to eruption.	Ármann Höskuldsson and Thor Thordarson	Institute and Faculty of Earth Sciences, University of Iceland	Ármann Höskuldsson
9.00 - 9.15	228	Tephra fallout hazard assessment at Tacaná volcano (Mexico)	Rosario Vázquez (1) Rosanna Bonasia (2) Arnau Folch (3) José Luis Macías (1)	(1) Instituto de Geofísica, Unidad Michoacán, UNAM (2) CONACYT, Sección de Estudios de Posgrado e Investigación, IPN (3) Barcelona Supercomputing Center (BSC)	Rosario Vázquez
9.15 - 9.30	282	Exposure-based risk assessment and emergency management associated with the fallout of large clasts	Sara Osman (1) Eduardo Rossi (2) Costanza Bonadonna (2) Corine Frischknecht (2) Daniele Andronico (3) Raffaello Cioni (4) Simona Scollo (3)	(1) University of Portsmouth (2) Université de Genève (3) INGV (4) Università di Firenze	Sara Osman
9.30 - 9.45	1181	Modelling and forecasting volcanic gas cloud dispersal from Masaya volcano: towards a warning system	Sara Barsotti (1) Mark Richardson (2) James O'Neill (2) Evgenia Ilyinskaya (2) Wilfried Strauch (3)	(1) Icelandic Meteorological Office, Reykjavik, Iceland (2) School of Earth and Environment - University of Leeds (3) Instituto Nicaragüense de Estudios Territoriales - Nicaragua	Sara Barsotti
9.45 - 10.00	574	Clean-up of urban areas after volcanic eruptions	Josh Hayes (1) Thomas Wilson (1) Natalia Deligne (2) Charlotte Brown (3) Graham Leonard (2) Jim Cole (1)	(1) Department of Geological Sciences, University of Canterbury, New Zealand (2) GNS Science, New Zealand (3) Resilient Organisations, New Zealand	Josh Hayes
10.00 - 10.15	1028	Naples the town on the two most dangerous Volcanoes without evacuation plans: previous disasters new volcanological evidences and modeling for risk management and mitigation	Giuseppe Mastrolorenzo	Istituto Nazionale Geofisica Vulcanologia	Giuseppe Mastrolorenzo
10.15 - 10.30	646	Understanding volcanic risk in Turkey for improved emergency response and disaster risk reduction	Gökhan Atıcı (1) Stephen Sparks (2) Evren Atakay Gündoğdu (1) Jon Blundy (2) Mehmet Çobankaya (1) Sarah Brown (2) Esra Yurteri (1) Mark Woodhouse (2) Bilge Karaman (1) Susanna Jenkins (3) Bihter Demirci (1) Jo Gottsmann (2) Kathy Cashman (2) Ayşe Dağlıyar (1) Juliet Biggs (2) Roderick Stewart (4) Willy Aspinall (2) Erkan Aydar (5) Axel Schmitt (6) Darren Mark (7)	(1) General Directorate of Mineral Research and Exploration (MTA), Ankara, Turkey (2) School of Earth Sciences, University of Bristol, UK (3) Earth Observatory of Singapore, Nanyang Technological University, Singapore (4) Montserrat Volcano Observatory, Montserrat (5) Hacettepe University, Ankara, Turkey (6) Heidelberg University, Heidelberg, Germany (7) Scottish Universities Environmental Research Centre, Scotland, UK	Gökhan Atıcı

CONVENERS:

Mary Anne Thompson | University of Auckland • m.thompson@auckland.ac.nz
 Rosella Nave | Istituto Nazionale di Geofisica e Vulcanologia • rosella.nave@ingv.it
 Chiara Cardaci | Dipartimento della Protezione Civile, Italy • chiara.cardaci@protezionecivile.it
 Anna Hicks | British Geological Survey • ahicks@bgs.ac.uk
 Sara Barsotti | Icelandic Meteorological Office, Iceland • sara@vedur.is
 Carolyn Driedger | U.S. Geological Survey • driedger@usgs.gov

S02.15 - Perspectives on volcanic hazard and risk communication: Insights and advice from research and experience

Time	ID	Title	Author Name	Affiliations	Presenter Name
14.30 - 14.45	1085	Scientists as Storytellers: sharing experience and uncertainty in volcanic crises	Jenni Barclay (1) M Teresa Armijos (1) Wendy McMahon (1) Richie Robertson (2)	(1) University of East Anglia (2) Seismic Research Centre, UWI	Jenni Barclay
14.45 - 15.00	1176	Zero tolerance? Official attitudes towards volcanic risk and implications for risk communication and management	Emily Wilkinson (1) Maria Teresa Armijos (2) Andrea Lampis (3) Jairo Estacio Almeida (4) Michaela Carvajal Leon (5)	(1) Overseas Development Institute (ODI) (2) University of East Anglia (UEA) (3) Universidad Nacional de Colombia (UNAL) (4) UN Office for Disaster Risk Reduction (5) Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)	Emily Wilkinson
15.00 - 15.15	1177	An extraordinary time at Kīlauea Volcano: 2018 lava eruptions, seismicity, deformation, and ash explosions	Christina Neal, staff, and colleagues of the U.S. Geological Survey Hawaiian Volcano Observatory	U.S. Geological Survey	Christina Neal
15.15 - 15.30	226	Living with Hazards: Prediction Uncertainty and Personal Protective Behavior at Frequently and Infrequently Erupting Volcanoes-Tungurahua and Cotopaxi, Ecuador	Stephen Meinhold (1) Jennifer Horan (1)	(1) University of North Carolina Wilmington	Stephen Meinhold
15.30 - 15.45	1089	Encounters with the volcano: Community knowledge exchange on responses to impacts to volcanic ash in Ecuador and Peru.	Maria Teresa Armijos (1) Nérida Manrique (2)	School of International Development, University of East Anglia, Norwich, UK Observatorio Vulcanológico del INGEMMET, Arequipa, Peru	Maria Teresa Armijos
15.45 - 16.00	790	Rethinking volcanic hazards' communication: Lessons from using informal knowledge and experiences to permanent volcanic emissions from Masaya volcano, Nicaragua.	Sebastien Nobert, Evgenia Illyinskaya, Xochilt Hernandez Leiva and UNRESP team	Université de Montréal University of Leeds University of Cambridge	Sébastien Nobert
16.00 - 16.15	479	USGS News Media Management Plan provides framework for effective eruption response	Carolyn Driedger 1 Elizabeth Westby 1	1 USGS Cascades Volcano Observatory	Carolyn Driedger
16.15 - 16.30	549	Developing a multi-institutional communications plan for a high-profile volcano: Coordinating the Yellowstone Volcano Observatory	Beth Bartel (1) Wendy Stovall (2) Michael Poland (2)	(1) UNAVCO (2) USGS Volcano Hazards Program, Yellowstone Volcano Observatory	Beth Bartel
17.00 - 17.15	302	Governance, accountability and blame – Are they “The Good, The Bad and The Ugly” of volcanic risks?	Richard Bretton (1) Joachim Gottsmann (1) Ryerson Christie (1)	University of Bristol, UK	Richard Bretton
17.15 - 17.30	382	Data Collection and Management Challenges and Solutions for Generating the Smithsonian Institution-US Geological Survey Weekly Volcanic Activity Report	Sally Sennert (1), Michael Randall (1)	(1) USGS	Sally Sennert
17.30 - 17.45	324	Assessing warning confidence and perceptions of forecasting during volcanic crisis and unrest at Kīlauea and Mauna Loa volcanoes, Hawai‘i	Ashleigh Reeves (1) Michael Lindell (2) Chris Gregg (1) Bruce Houghton (3) Timothy Joyner (1) Carla Prater (2)	(1) East Tennessee State University, TN, USA (2) University of Washington, Seattle campus, WA, USA (3) Department of Geology and Geophysics, University of Hawai‘i at Mānoa, Honolulu, HI, USA	Ashleigh Reeves
17.45 - 18.00	815	Visual attention to volcanic crisis maps during evaluation and decision-making tasks: an eye-gaze tracking experiment	Mary Anne Thompson (1) Graham Leonard (2) Jan Lindsay (1) Ann Bostrom (3) Paul Corballis (4) Christof Lutteroth (5) Eliza Calder (6)	(1) School of Environment, University of Auckland (2) GNS Science (3) Evans School of Public Policy & Governance (4) School of Psychology, University of Auckland (5) Department of Computer Science, University of Bath (6) School of Geosciences, University of Edinburgh	Mary Anne Thompson
18.00 - 18.15	145	Memory and Forgetting in Forecasting. Bradyseism in Pozzuoli: a case study	Maria Laura Longo (1)	(1) Archivio Multimediale delle Memorie project – Department of Social Sciences “Federico II” University of Naples	Maria Laura Longo
18.15 - 18.30	928	The imaginary eruption. An alternative approach to volcanic hazard education	Micol Todesco (1) Flaminia Brasini (2) Delia Modonesi (2) Romano Camassi (1) Emanuela Ercolani (1) Rosella Nave (3)	(1) INGV, Sezione di Bologna (2) ConUnGioco Onlus, Roma (3) INGV, Osservatorio Vesuviano, Napoli	Micol Todesco
18.30 - 18.45	891	Bad tourists! Reducing risk-taking behaviour among Iceland's increasing tourist population	Deanne K. Bird (1) Guðrún Gísladóttir (1,2)	(1) Faculty of Life and Environmental Sciences, University of Iceland (2) Nordvulk, Institute of Earth Sciences, University of Iceland	Deanne K. Bird
18.45 - 19.00	762	Canary Islands, a volcanic window in the Atlantic Ocean : when the volcanoes go out to the street	Fátima Rodríguez (1) Rubén García-Hernández (1) Cecilia Morales (1) Fiona A. Burns (1) Victor Ortega (1) William Hernández (1) Monika Przeor (1) Iván Cabrera (1) Alexis Schwartz-Mesa (1,3) David Calvo (1) Mar Alonso (1,2) Marta García-Merino (1) Nemesio M. Pérez (1,2,3) Pedro Hernández (1,2,3) Eleazar Padrón (1,2,3) Germán D. Padilla (1,2) José Barrancos (1,2)	(1) Instituto Volcanológico de Canarias (INVOLCAN), 38400 Puerto de la Cruz, Tenerife, Spain (2) Instituto Tecnológico y de Energías Renovables (ITER), 38611 Granadilla de Abona, Tenerife, Spain (3) Agencia Insular de la Energía de Tenerife (AIET), 38611 Granadilla de Abona, Tenerife, Spain	Fátima Rodríguez