

CONVENERS:

Peter J. Baxter | University of Cambridge, UK • pjb21@medschl.cam.ac.uk
 David E. Damby | United States Geological Survey, Menlo Park, USA • ddamby@usgs.gov
 Tamar Elias | United States Geological Survey, Hawaiian Volcano Observatory, USA • telias@usgs.gov
 Claire J. Horwell | Durham University, UK • claire.horwell@durham.ac.uk
 Carol Stewart | Massey University, NZ • c.stewart1@massey.ac.nz

S03.02 - Health hazards of volcanic eruptions: towards improved preparedness and resilience and reduced impact

Time	ID	Title	Author Name	Affiliations	Presenter Name
14.30 - 14.45	612	Volcanic fatalities: threat to life with distance and victim classification	Sarah K Brown (1) Susanna F Jenkins (2) Steve Sparks (1)	(1) School of Earth Sciences, University of Bristol, Bristol, UK (2) Earth Observatory of Singapore, Nanyang Technological University, Singapore	Sarah K Brown
14.45 - 15.00	704	Revisiting the health impact of the degassing at Masaya, Nicaragua.	Peter Baxter (1) Evgenia Ilyinskaya (2)	(1) University of Cambridge (2) University of Leeds	Peter Baxter
15.00 - 15.15	529	It ain't over till it's over: A latent health impact of an Icelandic large fissure eruption (Holuhraun 2014-2015) through exposure to mature, sulphate-rich, volcanic cloud	Hanne Carlsen (1) Evgenia Ilyinskaya (2) Peter Baxter (3) Unnur Valdimarsdóttir (4) Haraldur Briem (6) Francesca Dominici (5) Ragnhildur Gudrun Finnbjornsdóttir (7) Thorsteinn Jóhannsson (7) Thor Aspelund (8) Thorarinn Gislason (9) Thorolfur Gudnason (5) Throstr Thorsteinsson (1) Anja Schmidt (10) Melissa Pfeffer (11) Sara Barsotti (11)	(1) Environment and Natural Resources, University of Iceland (2) School of Earth and Environment, University of Leeds (3) Cambridge Institute of Public Health, University of Cambridge School of Clinical Medicine (4) Centre of Public Health Sciences, University of Iceland (5) Chief Epidemiologist, Directorate of Health, Centre for Health Threats and Communicable Diseases, (6) Department of Biostatistics, Harvard T.H. Chan School of Public Health (7) The Environment Agency of Iceland (8) School of Health Sciences, University of Iceland (9) Faculty of medicine, University of Iceland (10) Department of Geography, University of Cambridge (11) Icelandic Meteorological Office	Evgenia Ilyinskaya
15.15 - 15.30	638	Microscopic Monitoring of Laboratory Based Physical Disintegration Ratio of Fibrous Zeolite Crystals from Cappadocian Altered Ignimbrites (Turkey)	Efe Akkaş (1) H. Evren Çubukçu (1) Volkan Erkut (1) Lutfiye Akin (1) Yasin Yurdakul (1) İnan Ulusoy (1) Erdal Şen (1))	(1) Hacettepe University, Department of Geological Engineering, 06800, Ankara, Turkey	Efe Akkaş
15.30 - 15.45	1200	Environmental health consequences of the 2017-ongoing Ambae eruption, Vanuatu	Carol Stewart (1) Graham Leonard (2) Sandrine Cevuard (3) Esline Garaebiti (3) Aaron Tregoweth (4) Mike Rosenberg (2) Geoff Kilgour (2) Tom Wilson (5) Emily Limage (6)	(1) Massey University (2) GNS Science (3) VMGD (4) NZ Defence Force (5) University of Canterbury (6) Auckland University	Carol Stewart
15.45 - 16.00	558	Distribution of volcanogenic elements in Vanuatu: Impacts to health and agriculture from volcanic degassing and deposition	Emily Limage (1), Shane Cronin (1)	(1) University of Auckland	Emily Limage
16.00 - 16.15	775	The impact of in-plume ash-gas interactions on the respiratory health hazard of volcanic ash: an in vitro study	Ines Tomašek (1,2) Claire J. Horwell (1) David E. Damby (3) Paul M. Ayris (4) Pierre Delmelle (5) Christopher J. Ottley (6) Pablo Cubillas (6) Ana S. Casas (4) Christoph Bisig (2) Alke Petri-Fink (2,7) Martin J. D. Clift (8) Barbara Drasler (2) Barbara Rothen-Rutishauser (2)	(1) Institute of Hazard, Risk and Resilience, Department of Earth Sciences, Durham University (2) BioNanomaterials, Adolphe Merkle Institute, University of Fribourg (3) United States Geological Survey (4) Department of Earth and Environmental Sciences, Section for Mineralogy, Petrology and Geochemistry, Ludwig-Maximilians-Universität München (5) Earth & Life Institute, Université catholique de Louvain (6) Department of Earth Sciences, Durham University (7) Chemistry Department, University of Fribourg (8) In Vitro Toxicology Group, Swansea University Medical School	Ines Tomašek
16.15 - 16.30	1202	The effectiveness of facemasks for protection against volcanic ash: overview and results of the HIVE project	Claire Horwell (1) Judith Covey (1) Claudia Merli (1) Lena Dominelli (1) Ernesto Schwartz Marin (1) Andrew Apsley (2) John Cherrie (2) Hilary Cowie (2) Karen Galea (2) William Mueller (2) Susanne Steinle et al. (2) Makoto Hagino (3) Sueo Kuwahara (3) Riochi Ogawa (3) Satoru Nishimura (3) Takeshi Baba (3) Fentiny Nugroho (4) Laksmi Rachmawati (4) Maria Aurora Armienta (5) Rita Fonseca (5) Ana Lillian Martin (5) And colleagues from the: Pan American Health Organization, PMI (Red Cross) Yogyakarta, Save the Children Indonesia, International Society for Respiratory Protection	(1) Durham University (2) Institute of Occupational Medicine (3) Kagoshima University (4) University of Indonesia (5) UNAM	Claire Horwell

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Position	ID	Title	Author Name	Affiliations	Presenter Name
06 - 77.	151	The use of affordable technology to mitigate community concerns of volcanic emissions	Erouscilla P. Joseph(1) Lara Smale(2) Stephen Hailes(3) Christopher Kilburn(2) Danielle Charlton(2) Reni Magbagbeola(3) Carlisle Williams(4)	(1) Seismic Research Centre, The University of the West Indies, St. Augustine, Trinidad & Tobago. (2) UCL Hazard Centre, Department of Earth Sciences, UCL, London, UK. (3) Department of Computer Sciences, UCL, London, UK. (4) Disaster Management Coordination Agency, Montserrat.	Erouscilla P. Joseph
06 - 78.	1064	Characterising the three-way interactions between people, domestic animals, and hazards from Popocatepeti volcano, Mexico: What are the implications for human health and resilience?	Mihaiela Swift (1,2) Amy Donovan (1) Chiara Maria Petrone (2)	(1) Geography Department, King's College London, UK (2) Department of Earth Sciences, Natural History Museum, UK	Mihaiela Swift