

VICS 2026 SCHEDULE



15/06/2026

WELCOME walk (5 pm) and informal icebreaker (The Rule, 6 pm onwards)

16/06/2026 Tuesday - Session theme
PAST

08:30	09:00	Arrival and registration		
		Welcome (VICS LOC+PAGES)	Session chair Will Hutchison + Patrick Sugden	
09:00	09:10	Imogen Gabriel	University of St Andrews	Timing, phasing and climate impact potential of Iceland's largest volcanic eruptions: an ice core perspective
09:35	09:50	Topness, Emily	University of Edinburgh	Tipping Points: The Interplay of Volcanoes, Climate, and People in the Icelandic Highlands
09:50	10:05	Stene, Ingar	University of Oslo	Volcanic clustering, climate anomalies, and societal responses in late 17th century northern Europe
10:05	10:20	Yang, Zhen	University of Bern	Volcanic Eruptions, Climate and Society in 17th-Century China: A Comparative Analysis of Two Crises
10:20	10:35	Innes, Helen	University of St Andrews	Cryptotephra from 7th Century New Britain Island eruptions identified in Antarctic ice: global and regional impacts
10:30 - 11:00	Coffee		Session chair Ruben Post + Mike Cassidy	
11:00	11:25	Ichino, Mika	Teikyo University	Climate Anomalies and Market Responses during the Tenpō Famine in 1830s Japan
11:25	11:40	Schurer, Andrew	University of Edinburgh	Long lasting effects of early 19th century volcanism
11:40	11:55	Camelia, Hana	MARUM, University of Bremen	Pronounced volcanic cooling and freshening in the northeastern Indian Ocean during ~1809-1824 CE
11:55	12:10	Warren, Richard	University of Bern	From Eruptions to Famines? Climate and human impacts of the 1831 and 1835 eruptions in India, China and Japan
12:10	12:25	Wilson, Rob	St Andrews	Tree-ring reconstruction of summer temperatures in Northern Patagonia reveals significant cooling following major explosive tropical volcanic eruptions
12:25	12:40	Sigl, Michael	University of Oslo	Historical volcanic flood disasters – no Midsummer Night's Dreams: Case studies across Europe during the late Little Ice Age
12.40 - 14:00	Lunch + Walk		Session chair Robert Wilson + Priyesh Prabhat	
14:00	14:25	Mattin, Alexander	Victoria University of Wellington	Antarctic ice core insights into the climatic and biogeochemical impacts of the 25.3 ka Ōruanui supereruption, New Zealand
14:25	14:40	Matskovskiy, Vladimir	Ghent University	A new longer-term volcanic proxy from bristlecone pine MXD data over the last 2.5 millennia
14:40	14:55	Sunye Puchol, Ivan	Sapienza University of Rome	Multi-vent Holocene explosive eruptions at Erciyes (Turkey): evidence for potential synchronous activity and implications for volcanic hazards
14:55	15:10	Pearson, Charlotte	University of Arizona	Dating the Mt. Mazama eruption to a calendar year using single year tree-ring 14C
15:10	15:25	van Dijk, Evelien	University of Oslo	Compounding global climate extremes following the 7.6 ka Mazama eruption of Crater Lake (Oregon)
15:25	15:40	Paine, Alice	University of Basel	Evidence for volcanic forcing of Holocene cold events
15:30 - 16:00	Coffee			
16:00 - 18:00	Posters			

Posters

Molina Guadarrama, Ángel Nahir	Universidad Nacional Autónoma de México (UNAM), Mexico City, Mexico.	Climatic effects in Central Mexico associated with major volcanic eruptions over the last 800 years: A dendroclimatic approach.
Sun, Chunqing	Chinese Academy of Sciences	Tephrochronology of Dadong Paleolithic site of Changbaishan volcanic field, northeast China

Sri Hadmoko, Danang	Department of Environmental Geography, Faculty of Geography, Universitas Gadjah Mada, Indonesia	Two Common Era caldera-forming eruptions of the Banda Volcanic Complex, Indonesia
Petit, Jean Robert	IGE, University Grenoble Alpes (UGA)	Micron-sized tephra fingerprinting of 1458 CE and 426 BCE volcanic events in three East Antarctic ice cores
Ro, Seokhyun	University of St Andrews	VOLTESSO – Volcanic climate forcing over the Little ice age onset through Tephra geochemistry and Sulfate isotope analyses in ice cores: Preliminary results
Timmreck, Claudia	Max-Planck-Institut für Meteorologie	How did volcanic eruptions shape the surface wind distribution over the tropical Atlantic at the end of the Little Ice Age?
Huhtamaa, Heli	University of Bern	Consequences of the 1600 CE eruption(s): Evidence from written sources
Barker, Simon	Victoria University of Wellington	Multiple overlapping volcanic signals in Antarctic ice reveal the timing and muted impacts of one of the largest Holocene eruptions: The 235 CE Taupō event

EVENING Conference Dinner, Upper and Lower College Hall, University of St Andrews, St Salvator's Quadrangle (Drinks from 6.30 pm)

17/06/2026 Wednesday - Session theme PAST - PRESENT

Session chair Andrea Burke + Yun-Ju Sun

09:00	09:25	Ally Peccia	Columbia University	Remote, high-latitude volcanoes pose a global hazard: Okmok II as a case study
09:25	09:40	Liu, Jiaqi	Chinese Academy of Sciences	Holocene tephrostratigraphy of Sihailongwan Maar Lake, northeast China
09:40	09:55	Miller, Anna	Te Herenga Waka, Victoria University of Wellington	Ash on ice: ancient New Zealand supereruption preserved in a deep Antarctic ice core
09:55	10:10	Alves, Ana	LSCE	Sea surface acidification and fertilization events in the Andaman Sea associated with the last Toba volcanic activity
10:10	10:25	Gadrani, Lela	Université Grenoble Alpes	Fingerprinting Micron-Tephra in Polar Ice Cores to Identify Major Sulphate Peak Events from the Toba Period
10:30 - 11:00	Coffee		Session chair Richard Streeter + Yang Yu	
11:00	11:15	Martin, Erwan	Sorbonne Université - IStEP	Volcanic deposits as geological archives of nitrogen fixation by volcanic lightning
11:15	11:30	Ro, Seokhyun	University of St Andrews	Revisiting the eruptive nature of the 1108–1110 CE volcanic cluster: Insights from sulfur isotopes and cryptotephra in Greenland ice cores
11:30	11:45	Verkerk, Magali	University of Exeter	Spatial emulation of the climate impacts of volcanic stratospheric aerosols
11:45	12:00	Gao, Chaochao	Zhejiang University	Mid-latitude volcanic eruptions drive the positive Pacific-North American pattern by accelerating the subtropical jet
12:00	12:15	Aubry, Thomas	University of Oxford	Stratospheric aerosol optical properties and volcanic sulfur emissions for CMIP7
12:15	12:30	Burke, Andrea	University of St Andrews	Towards a new reconstruction of volcanic forcing since 500 BCE for the Paleoclimate Modelling Intercomparison Project (PMIP5)
12.30 - 14:00	Lunch + Walk		Session chair Alice Paine + Evelien Van Dijk	
14:00	14:25	Anja Schmidt	DLR & LMU	Volcanic radiative forcing and climate response
14:25	14:40	Yu, Yang	University of St Andrews	Volcanic forcing and climate response following the 1912 Katmai eruption
14:40	14:55	Smith, Isabel	University of Oxford	Comparing prescribed and interactive approaches to historical stratospheric aerosol forcing and climate impacts in the U.K. Earth System Model
14:55	15:10	Knizek, Antonin	University of Oxford	The Scattering Reference Forward Model
15:10	15:25	Roberts, Tjarda	CNRS LMD / ENS Geosciences Paris	Rapid oxidation chemistry in hot volcanic plumes: impacts on mercury speciation
15:25	15:40	Sigl, Michael	University of Oslo	Clim-SHOCK: Past Impacts and Future Challenges of Volcanic Climate Shocks
15:40 - 16:00	Coffee			
16:00 - 18:00	Posters			

Posters

Ulloa Ruiz, Mónica	Observatorio de Riesgos Catastróficos Globales	Food System Resilience in Abrupt Sunlight Reduction Scenarios: Lessons for Volcanic Winter Preparedness from Argentina
Gottschalk, Milena	Department of Geosciences, University of Oslo, Norway	Towards a transfer function for tropospheric volcanic sulfur emissions: The Holuhraun 2014-2015 eruption
Del Carlo, Paola	INGV	The DEMETRA Project - DEtermining volcanic iMPacts on climatE: Toward pRedictive frAmeworks
Flanigan, Sinéad	Queen's University Belfast, UK	Using the cryptotephra record to better understand the MIS5/4 transition in Antarctica
Yang, Mengwen	University of St Andrews	Determining the seasons of past volcanic eruptions from Greenland ice cores

Meuer, Johannes	German Climate Computing Center	Identifying and Locating Historic Volcanic Eruptions using explainable artificial intelligence methods
Marshall, Lauren	University of St Andrews	How does SO2 emission altitude affect the sulfate deposition, radiative forcing and climate response following the 1912 eruption of Katmai/Novarupta?
de Souza Etchells, Doria	University of Edinburgh	Climate and Societal Change: Perspectives from Greenland over the last 2,000 years
Guichard, Léa	Institut de Physique du Globe de Paris (IPGP)	Impact of Tephra Fallout during a Fogo A-Type Eruption (São Miguel, Azores)
Newton, Anthony	University of Edinburgh	The Tephra Information Portal (TIP): Searching multiple tephra databases from a central resource utilising a FAIR approach to tephra data and samples.

EVENING Film Night: “Volcano Voices: From Ashes to Archives and Art” (Buchanan Lecture Theare, 8 pm)

18/06/2026 Thursday - Session theme - FUTURE

Session chair Helen Innes + Seokhyun Ro				
09:00	09:25	Stoffel, Markus	University of Geneva	Volcanoes, Climate and Society in a Warmer World: Lessons from Tambora for the 21st Century
09:25	09:40	Salgado-Gálvez, Mario	UNDRR	Strengthening volcanic IBF through probabilistic risk assessments in Guatemala
09:40	10:05	Dalziel, James	Willis Research Network	Volcanic Hazards and Financial Exposure: Climate Impacts, Critical Infrastructure and Insurance Industry Preparedness
10:05	10:20	Rosi, Mauro	INGV	The management of volcanic risk in the densely populated area of Campi Flegrei (Italy)
10:20	10:35	Cassidy, Mike	University of Birmingham	The case for global catastrophic volcanic risk: Historical learnings and future outlook
10:30 - 11:00	Coffee			
Session chair Simon Barker + Mugdha Chimote				
11:00	11:25	Chim, May	University of Exeter	Climate-volcano feedbacks under global warming
11:25	11:40	Santini, Marzia	EC Joint Research Centre	Global volcanic (automatic, near-real-time) notification system for the international humanitarian community
11:40	12:00	Hort, Matthew	UK MET office	How we deal with hazards in UK from perspective of planning, preparedness and response and try to draw out challenges of linking up current day practice with a changing world
12.00 - 13:00	Lunch			
Break out discussions from 13:00-14:30	i) VICS databases – current state and future goals			
	ii) Modelling past, present, future eruptions and their impacts on climate and society			
	iii), iv) Volcanic eruption scenario exercises			
14:30 - 15:00	Coffee			
Final reporting 15:00 to 16:00				

Conference ends 16:00

19/06/2026

Optional walk along the Fife coast to our local volcano followed by ice cream (9-1 pm)



For general enquiries please email Will Hutchison, wh39@st-andrews.ac.uk