

Schedule COT-INTIMATE-THM Tephra Conference Sicily 2024

Sunday September 8th 17:00-21:00

Icebreaker at the Benedictine Monastery of San Nicolò l'Arena, registration will also be available

Monday September 9th

Please note that all tea/coffee breaks and lunch will be provided

0800-1700	Registration and help desk open, and session presenters can upload presentations and posters up		
Times	Speaker	Title	
0845-0900	Introduction and Welcome		
0900-0915	Siwan	Davies	Antarctic time tracers: using tephra to date blue ice records
0915-0930	Stephen	Piva	Multiple cryptotephra populations accompany mixed tropospheric and stratospheric sulfur anomalies in Antarctic ice
0930-0945	Helen	Innes	Recent developments in geochemical analysis of extremely fine-grained cryptotephra and their application to ice core deposits
0945-1000	Eliza	Cook	An updated Holocene tephrochronological framework for Greenland, based on investigations of NGRIP, EGRIP and RECAP ice cores
1000-1015	Hanaa	Yousif	Paleovolcanic Records from Mount Logan: The Prospector-Russell and Summit Plateau Ice Cores
1015-1030	Lauren	Davies	Regional cryptotephra records from the last millenium in northwestern North America
1030-1100	Morning Tea (next session presenters upload presentations)		
1100-1115	Paul	Albert	New constraints on the timing of East Asian explosive volcanism: insights from cryptotephra deposits preserved in marine and lacustrine archives
1115-1230	Will	Hutchison	Re-evaluating the source, style and impacts of the 1800–1840 eruption cluster with new ice-core isotope and cryptotephra analyses
1130-1145	Chris	Satow	The contributions of marine sediment cores to volcanic hazard assessments: present examples and future perspectives
1145-1200	Jodi	Fox	Records of volcanism from marine sediment cores in the South Shetland Islands region, Antarctica and potential links to local ice sheet changes.
1200-1215	Stefan	Wastegård	The Azores as a significant source of distal ash layers in Europe
1215-1230	Francesco	Romeo	Remote sensing of volcanic clouds by microwave and thermal infrared passive radiometers
1230-1330	Lunch (next session presenters upload presentations)		
1330-1345	Evelien	van Dijk	Extreme climatic and compound impacts of the Mount Mazama eruption
1345-1400	Magali	Verkerk	Large-ensemble simulations of volcanic impacts on climate throughout the last 9000 years
1400-1415	Matthew	Bolton	Integrating tephrochronology and glacial isostatic modelling to test climate-volcano interactions
1415-1430	Alex	Mattin	Detecting variability in physical and glaciochemical signals of the ~25.5 ka Ōruanui supereruption in ice cores across Antarctica
1430-1445	Celeste	Smith	Identification of Half Cone (Aniakchak, Alaska) Tephra in the Greenland Ice Core Record: Unveiling the Extratropical Source for the 1600 CE Double Eruption Events
1445-1500	Kirstin	Krüger	Revisiting the 10th-Century Eldgjá Eruption: Modeling the Climatic and Environmental Impacts
1500-1530	Afternoon Tea		
1530-1700	Poster Session (all)		

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Tuesday September 10th

Presenters can start uploading talks at 8:15 am

Times	Speaker		Title
0845-0900	Ali	Monteath	Tracing the provenance of pumice clasts collected from Falkland Islands shorelines using major-minor-trace element analysis
0900-0915	Alice	Carter-Champion	A Holocene tephrostratigraphy of the continuously varved Boreal lake Nautajärvi, Finland
0915-0930	Sophie	Vinebreg	A detailed record of large explosive eruptions in East Asia between 115 and 50 ka preserved in the sediments of Lake Suigetsu, Japan
0930-0945	Amy	Walsh	Building a Holocene Tephrostratigraphic Framework for East Anglia, UK: Insights from Annually-Laminated (Varved) Records
0945-1000	Tim	Pharaoh	A candidate source in England for the final eruptive phase of the late Ordovician Kinnekulle Metabentonite of Baltoscandia
1000-1015	Edmond	Grigoryan	Geochemical features of the tephras found in the Achajur area (NE Armenia) and its source of the eruption
1015-1030	Bergrun	Oladottir	Katla volcano, Iceland, and its Holocene explosive eruption history
1030-1100	Morning Tea (next session presenters upload presentations)		
1100-1115	Simon	Larsson	Tephrochronology of Sweden: tying the bag together
1115-1230	Molly	Flynn	Refining the marine tephrostratigraphy of the central Mediterranean (40-90 ka): New insights into Late-Pleistocene Campanian explosive volcanism
1130-1145	Rebecca	Kearney	Progress in developing a detailed tephrostratigraphy for Nemrut and Süphan, Turkey
1145-1200	Shuang	Zhang	Developing Late Quaternary Eastern Mediterranean marine tephrostratigraphy: applications on the Jordanian Palaeolithic sites and implications for regional volcanic histories
1200-1215	Elodie	Lebas	New records of explosive volcanism at Mayotte, Comoros Archipelago: Constraints from deep-sea sediments.
1215-1230	Anjali	Dhunna	The Holocene tephrostratigraphy and chronology of Isla Hermite, Chile
1230-1330	Lunch (next session presenters upload presentations)		
1330-1345	Hugo	Albaredes	A Konso Silver Tuff correlative found offshore the Main Ethiopian Rift ?
1345-1400	Céline	Vidal	Progress on the Pliocene tephrostratigraphy in the West Turkana Basin (Kenya)
1400-1415	Eloise	Wilkinson-Rowe	Late Holocene eruption history of the Main Ethiopian Rift at lake Babogaya, Bishoftu Volcanic Field – new insights into the volume and reach of the Wendo Koshe Younger Pumice eruption
1415-1430	Christine	Lane	Connecting Holocene palaeoenvironmental archives from Tanzania with far-travelled tephra from the Rungwe Volcanic Province
1430-1445	Danielle	McLean	Opportunities to synchronise and date archaeological and climate records in Northwest Africa using volcanic ash (tephra) layers
1445-1500	Emma	Horn	Geochemical insights into major explosive eruptions from volcanoes across the Azores Archipelago
1500-1530	Afternoon Tea		
1530-1700	Poster Session (all)		

Wednesday September 11th Mid-conference field trip. Meet at Benedictine Monastery of San Nicolò l'Arena (exact location TBA) at 8:45 am for an 9 am sharp departure

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Thursday September 12th

Presenters can start uploading talks at 8:15 am

Times	Speaker		Title
0845-0900	Richard	Streeter	Variable preservation of the 1991 Hudson tephra in small lakes and on land
0900-0915	Laura	Walkup	Linking terrestrial and marine late Miocene sedimentary sequences of western North America with tephrochronology
0915-0930	Simon	Blockley	Developing a tephrochronology as a regional tool for synchronising and dating archaeological records in the
0930-0945	Verena	Meier	Cryptotephra quantification in lacustrine sediments: Two workflows for sites with distant Laacher See tephra fallout
0945-1000	Shuang	Zhang	Refining high spatial resolution trace element analysis of singlegrain vitreous tephra shards by LA-ICP-MS
1000-1015	Jinheum	Park	Challenges, opportunities and lessons learnt from tracing tephra at its dispersal limits
1015-1030	Stephen	Kuehn	TIP, the Tephra Information Portal, Prototyping a Framework for FAIR Data Communities
1030-1100	Morning Tea (next session presenters upload presentations)		
1100-1115	Lorenzo	Monaco	Introducing DANTE: a DAtabase of stratigraphy, geochemistry, and geochronology of ItaliaN volcanoes applied to TEphrostratigraphy
1115-1130	Thomas	Aubry	New insights into the relationship between mass eruption rate and volcanic column height based on the IVESPA database
1130-1145			
1145-1200	Mathilde	Bablon	Characterization of tephra layers recorded in marine sediments off Ecuador during the past 10 Ma, and implications on the regional geodynamics and volcanic hazard assessment
1200-1215	Esther Ruth	Gudmundsdottir	Looking back on Hekla volcano – the early history
1215-1230	Shaun	Woudstra	Holocene eruptive activity in northwestern British Columbia, Canada: an unacknowledged hazard
1230-1330	Lunch (next session presenters upload presentations)		
1330-1345	Julia	Eychenne	Sub-10 µm airborne particles from the 2021 Tajogaite eruption, La Palma, Canary Islands
1345-1400	Rémy	Jubertie	Impacts of a “soft” substrate on maar fragmentation processes and eruptive dynamics: the example of the maar de Jaude, France
1400-1415	Jenni L	Hopkins	First detection in Australia of cryptotephra likely to be derived from the 25.6 ka Ōruanui supereruption in New Zealand
1415-1430	Brief 15 minute break.		
1430-1500	Tephra Fusion Town Hall meeting (Stephen Kuehn)		
1500-1530	Call of interest: Grain-size intercomparison study (THM Commission)		
1530-1600	COT-THM-INTIMATE “AGM” meeting and announcements		
1900-??	Closing Dinner at Rasoterra Pizzeria (https://rasoterrapizzeria.it)		

Friday September 13th

Post-conference field trips begin.

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Poster Session Monday and Tuesday from 15:30-17:00

All posters will be up for both designated poster times.

Board #	Speaker		Title
1	Andrew	Burnham	Reconstruction of past volcanism with proxies in the speleothem record - Toba
2	Sangmin	Hyun	Geochemical Fingerprint for classification of tephra from Plinian volcanic eruptions around the East Sea, Korea
3	Anna	Miller	Timing and eruptive characteristics of the 349 ka Whakamaru supereruption sequence constrained by detailed analysis of tephra sites around New Zealand.
4	Giada	Fernandez	Unveiling the dynamics of the second largest event in the Campi Flegrei explosive history: the M7 Maddaloni eruption (~109 ka)
5	Jade	Hrintchuk	Unravelling the eruption dynamics of the Little Mount scoria cone, Budj Bim Volcanic Complex, south east Australia
6	Jacqueline	Grech Licari	Eruptive histories of New Zealand's nearshore volcanoes: Insights from marine cores around Tūhua and Whakaari volcanoes
7	Yasuo	Miyabuchi	Spatial distribution and grain size characteristics of the May 14, 2018 Shinmoedake eruption deposit, Kirishima Volcano, Japan, based on post-eruption field survey and meteorological datasets
8	Simon	Barker	Mixed glass compositions in the 230 AD Taupō Tephra: Multiple magma types or particle recycling from earlier deposits?
9	Francesco	Romeo	Ground and Satellite-based systems to monitor volcanic plumes: the Etna case study
10	Jenni L	Hopkins	Impacts of volcanic ash on health and environment in the Auckland Volcanic Field – a project proposal
11	Lucy	Profeta	Community Engagement in the Tephra Data Community: facets and solutions for data publication and integration through a Framework for FAIR Data Communities
12	Samantha	Engwell	Eruption Source Parameters of explosive volcanic eruptions for operational simulation of tephra dispersion
13	Siwan	Davies	Using ice-cores to precisely date caldera-forming eruptions and widespread isochrons during the Holocene
14	Antina	Lippert	Marine tephrostratigraphy offshore Mt. Etna, Sicily
15	Alberto	Reyes	Dating the Old Crow tephra using reworked terrigenous glass shards in Bering Sea sediment cores
16	Danielle	McLean	There she blows! Unravelling the eruptive history of Aso volcano (Japan) using distal ash deposits
17	Hugo	Albaredes	A late Pleistocene marine cryptotephra record of the East African Rift
18	Natalie	Deng	Cryptotephra Record in Palaeolake Chew Bahir, Southern Ethiopia: Reconstructing the Pleistocene–Holocene Eruptive History of the Main Ethiopian Rift
19	Delphine	Sourisseau	Tephrostratigraphy of the Totolcingo Lagoon, Serdan Oriental Basin, central Mexico
20	Katy	Flowers	A new contribution to the Holocene Tephrostratigraphy for Meerfelder Maar, Germany.

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21	Marie	Tallon	La Soufriere tephrochronology from Lake Flammarion sediment records, Guadeloupe (Lesser Antilles) - preliminary results.
22	Gevorg	Navasardyan	TEPHRAS AND LAVA FLOWS RELATIONSHIP IN THE LESSER CAUCASUS (ARMENIA)
23	Jayde	Hirniak	The effects of archaeological fires on volcanic glass shards: An experimental approach
24	Achim	Brauer	Constraining radiocarbon dating in Baltic Sea sediments using tephrochronology
25	Stephen	Kuehn	Reference Concentrations for ATHO-G Major Elements and Lipari Obsidian ID-3506 Trace Elements with Retrospective TDI Corrections
26	Emma	Horn	Managing, visualising, and sharing large geochemical datasets for tephra correlation and volcanic studies using IntChron Integration Tool
27	Eloise	Wilkinson-Rowe	Integrating global tephra chemistry records to enable high precision palaeoenvironmental correlations through the Varved Sediments Database (VARDA)
28	Simon	Larsson	Tephra compositional data: are we doing it right?
29	Shane	Cronin	Why the largest eruption witnessed in 140 years is almost invisible in the tephra record
30	Chunqing	Sun	Major Holocene cryptotephra layers identified from Jeju Island, Republic of Korea: Implications for regional volcanic eruptions and environmental changes