

Poster Session 1: Monday 5 December	
<u>First Author</u>	<u>Title:</u>
David J. Lowe	A new attraction-detachment model for explaining landsliding in clay-rich Quaternary tephra, eastern North Island, New Zealand
Andrew P. Hammond	A late Quaternary tephrochronological framework and landscape evolution model for loessial cover beds in Hawkes Bay district, New Zealand
Aleksandra Zawalna-Geer	Extracting a primary Holocene cryptotephra record from Pupuke maar sediments, Auckland, New Zealand
Remedy C. Loame	Hazard hunting: X-ray micro-CT reconnaissance analysis of c. 20 ka lake sediment cores for tephra seismites and cryptotephra
Helen Bostock	Using Micro-XRF to identify crypto-tephra in marine sediment cores
David J. Lowe	Tephra seismites: a new tool to evaluate, date, map, and model paleoseismicity using tephra liquefaction in c. 20,000-year-old lake sediments in the Waikato region, New Zealand
Mirja Heinrich	THE ERUPTION TRIGGERS, MECHANISMS, DEPOSITION AND HAZARDS OF THE LARGEST SCALE EXPLOSIVE ERUPTIONS OF TONGARIRO VOLCANO
David J. Lowe	Extracting DNA from allophanic paleosols on tephras for paleoenvironmental reconstruction: a new two-step DNA isolation method and application to a buried Holocene paleosol, New Zealand
Caleb Gasston	Buried Faults in the Auckland Region
Yuli Heled	Cooling history and crystallization of the Whakamaru Ignimbrite, Taupo Volcanic Zone, New Zealand
Tsun-You Pan	The last interglacial sea level highstand — evidence from Yorke Peninsula, southern Australia
Shanshan Liu	LiDAR and EM conductivity investigation of a Holocene coastal landslide complex: Pourewa Landslide Zone, Auckland, New Zealand
Alastair J.H. Clement	Holocene evolution of the Manawatu coastal plain incised-valley system
James C. Veitch	Unravelling possible climatic and/or tectonic signals preserved in Holocene coastal geomorphology around Lake Wairarapa
David Bevan	Rapid mapping of a Holocene coastal landslide using Structure-from-Motion (SfM) photogrammetry: Ohuka Landslide, Port Waikato, N
Trish Fanning	Holocene coastal landscape change: Albatross Bay, north Queensland, Australia
Craig Sloss	Facies scale depositional model for Plio-Pleistocene bottom-current controlled carbonate drift deposits

Poster Session 2: Tuesday 6 December	
<u>First Author</u>	<u>Title:</u>
Patrick Moss	Holocene Environmental Change for a High-Dune Site in Subtropical Eastern Australia
Alison Kelsey	The Milankovitch connection: astronomical forcing of millennial-scale climate signals
Amber DITCHFIELD	Lake Kai iwi muds, a Last Glacial Cycle record of ecological and climate variability from far northern New Zealand
Christopher Kemp	Precipitation in Australia during MIS3: An analysis of published palaeoclimate datasets
Michael-Shawn Fletcher	The Winds of Change: understanding millennial-scale variability of the Southern Westerly Winds
Paul AUGUSTINUS	Sedimentary Organic Matter δD record from Pupuke Maar, Auckland, New Zealand: 46 ka of Paleoprecipitation from Northern New Zealand
Paul Hesse	The Last Glacial Maximum in the Desert Dunefields
James Shulmeister	The climate of SE Australia at the LGM
Gianna Evans	Periodicity of wind and precipitation signals evaluated from high-resolution Itrax scans, Lake Kawaupaka, New Zealand
Lynda Petherick	SHEMax: The Last Glacial Maximum in the Southern Hemisphere
Andrew Lorrey	Quaternary environments and the scientific value of New Zealand swamp kauri
Christopher Fogwill	Obliquity control on southern hemisphere climate during the last glacial
John-Mark Woolley	Glacial chronology and Holocene environmental history of Lake Tennyson, North Canterbury, New Zealand
Valerie van den Bos	Auckland lakes as climate dipsticks: unique insights into the nature and drivers of the past 117,000 years of climate change
Greer Gilmer	Holocene changes in ocean circulation and climate at Moubray Bay, Northern Victoria Land, Antarctica
Reka-H Fulop	Status of the new in-situ 14C extraction scheme at ANSTO
James Shulmeister	Glaciation of the upper Rangitata Valley, South Island, New Zealand

Poster Session 3: Friday 9 December	
<u>First Author</u>	<u>Title:</u>
Peter N. Eze	Open science, Human-environment interactions, ENSO Alluvial soil geochemistry and micromorphology based evidence of environmental change in the Sabie-Sand River Basin, South Africa
L. Rothacker	Human impact overprints natural controls on soil systems in the Iron Age
Andrew Douie	Reconstructing past climate in the north Waikato area, North Island, New Zealand, using subfossil leaves preserved in diatomite
Rosabella Borsellino	Glacial Geomorphology of the Brabazon and Butler Downs in the Rangitata Valley, New Zealand
Loraine Watson-Fox	In Search of Wild Rices:
Martin Ankor	Quantifying lake hydrological and isotopic responses to climate change: A coupled hydrologic-isotopic mass balance model applied
Martin Ankor	Digital field notes: How to make iThings work for you.
Martin Brook	Quaternary geology of the Auckland urban region, New Zealand: geotechnical properties and engineering implications
Haidee Cadd	Validating the use of Infra-red spectroscopy to infer changes in fire history, carbon dynamics and dust flux from lake sediments
Pana Panaretos	Stable isotopes in shearing shed deposits in far western NSW: long records of land cover change?
Tori BREWSTER	Adaptation in the hind limbs of extinct Island Emus (Dromaius species):
Heather A. Haines	Using the ITRAX Core Scanner to Develop a Ring-Width Chronology from Subtropical Australian Araucaria cunninghamii Trees with Fa
Cameron McKenzie	The search for the source: the lancefield megafauna deposit
Patricia Gadd	Can the Molybdenum Incoherent/Molybdenum Coherent scattering ratio (Mo Ratio) be used as a substitute for LOI determinations of organic content?
Andrew Pearson	Using FTIR spectroscopy to build high-resolution records of total organic carbon in New Zealand lake sediments
Jie Chang	The development of an independent paleo-temperature proxy using stable oxygen isotopes ($\delta^{18}O$) of chironomid head capsules from s
Monique McKeown	A Sedimentological Survey of an Inner Reef Island in the Maldives

Craig Sloss	Large scale soft sediment deformation features preserved in Early Pleistocene inner carbonate shelf sequence: Debris flow or sei
Nicholas Gampell	Speleothem Records of Volcanic Eruptions in New Zealand
Kia Matley	The use of speleothem palynology to elucidate late Holocene vegetation change in the Nullarbor Plain
John Tibby	Diatoms as indicators of past cave environments in the Naracoorte Cave system, south-eastern South Australia A cross-hemispheric comparison of Last Interglacial climate variability using Italian and NZ speleothem records
Russell Drysdale	

Briony Chamberlayne	Geochemical signals in bivalve shells as evidence of hydroclimate variability in the Coorong Lagoon, South Australia
Christian Ercolani	Modern and paleo-weathering regimes in sedimentary records determined by boron isotopes
Lynda Petherick	Climatic and environmental variability in southern America during the Last Glacial Maximum: A synthesis.
I. A. Jara	Vegetation, fire and climate links in the Andean <i>Nothofagus</i> forest of Northern Patagonia
Annika V. Herbert	Quantitative reconstruction of Australian climate change since the Last Glacial Maximum using pollen
Emily Field	Using multiple dating methods to understand controls on geochronological complexity in organic spring deposits
Allen Gontz	Applications of GPR in Peat Environments
Peter Negus	Are artesian spring wetlands long-term stable refuges from climate change?
Joss Ratcliffe	Contemporary carbon fluxes do not represent the long-term carbon balance for an Atlantic blanket bog
Xianglin Zheng	Exploring historical moisture availability in south-eastern Australia

Robyn Inglis	Geomorphological and archaeological approaches to the Palaeolithic surface record of SW Saudi Arabia
Krystyna Saunders	Tracing Tasmania's mining history using high-resolution scanning XRF and quantitative trace metal analyses Poutō dune lake palaeolimnology – learning from the past to help manage the present
Brett RIP	
Craig Woodward	Towards a comprehensive record of Quaternary environmental change from the Snowy Mountains, Australia
Michela Mariani	Disentangling the interplay between the ITCZ, southern westerlies and ENSO during the Holocene.
Jacinta Greer	Carbon isotope ratios of fossil leaves reveal south-east Queensland's La Niña dominated past The nature and causes of 'megadroughts' in south-eastern Australia: evidence from the Holocene sediments of West Basin, Victoria
Jonathan Tyler	Evidence for subdued ENSO variability during super-interglacial warmth from a tropical Queensland record
Zoë Thomas	Coral Reconstruction of mid-Holocene Ocean-Atmospheric dynamics of the Great Barrier Reef
Tess Chapman	
Jonathan Palmer	Changes in ENSO-like expression during Greenland Stadial 1 (GS-1) chronozone revealed by New Zealand tree-rings