

Start End Speaker Title

Day 1 - Monday 06/07/2026

9:00 9:15 Tim Barrows Opening of the conference
9:15 9:50 MLALC Welcome to Country and didgeridoo performance
9:50 10:30 Amy Way The earliest evidence of high-elevation ice age occupation in Australia

Morning break - 10:30am - 10:50am

People, fire and the landscape

Michael-Shawn
10:50 11:20 Fletcher Highway 18 Revisited: fourteen years of field teaching and research in northwest Tasmania
11:20 11:40 Thomas Keeble Detecting the anthropogenic hand: A modelling approach to test fire management legacies in forest-grassland systems
11:40 12:00 Harriet Magee Fire Intensity Sensitivity of Stable Carbon Isotope Composition and Chemical Signature of Charcoal
12:00 12:20 Anthony Romano Where There's Smoke, There's Stewardship: Elucidating 16,000 Years of Taungurung Fire Management in Northeast Victoria

Lunch + poster session - 12:20pm - 1:20pm

People, fire and the landscape

13:20 13:50 Scott Mooney Charcoal and fire in the Sydney basin
13:50 14:10 Beatrice Harris-Hart Listen... Ruwe's Talking; Water, Fire Connections on Ngarrindjeri Country
14:10 14:30 Patrick Kennedy Lower-Birraring Billabong Country: long-term ecological dynamics of a culturally constructed lowland floodplain
14:30 14:50 Rainy Comley A 37,000-Year Record of Savanna Fire Regimes from Kinrara Lagoon, Northeast Queensland
Evandro Augusto de
14:50 15:10 Souza Magalhaes Reconstructing fire regime changes on Kangaroo Island, South Australia, using novel geochemical techniques

Afternoon break - 3:10pm - 3:30pm

15:30 15:50 Lydia Mackenzie Holocene fire and vegetation records from Mt Hugel, Cradle Mountain-Lake St Clair National Park, Lutruwita/Tasmania.

Long records and environmental reconstruction

15:50 16:10 Maximilian Prochnow Palaeohydrology, fire and humans in south-eastern Australia: A biomarker and isotope perspective
Interglacial temperatures over the last 420,000 years in the eastern Mediterranean region: clumped isotope evidence from Lake Ohrid, North Macedonia/Albania
16:10 16:30 Jonathan Tyler
16:30 16:50 Laura McDonald Vegetation change over the Mid-Pleistocene Transition in Aotearoa-New Zealand: insights from a Hikurangi Subduction Margin record
16:50 17:10 Haidee Cadd Long-term climate and carbon dynamics from eastern Australian lacustrine sediments: MIS5 to present

Day 3 - Wednesday 08/07/2026

Long records and environmental reconstruction

9:00	9:20	John Tibby	Sediment hiatuses in Holocene sedimentary records along the eastern Australian coastal margin: an obstacle to, and an opportunity for, quantitative climate inferences.
9:20	9:40	Nashley Griffiths	GDGT-based palaeotemperature reconstructions from lacustrine settings in Australia
9:40	10:00	Louisa Sheridan	Investigating the impact of millennial scale climate events on southern Australia during the Last Glacial Period.
10:00	10:20	Mahfuzur Rahman	Reconstructing Hydroclimate Variability in Western Victoria from a High-Resolution Record from Lake Bullen Merri with a New Diatom-Salinity Transfer Function
Morning break - 10:20am - 10:40am			
10:40	11:00	Teye Aukes	Diatom-salinity transfer function and climate-ecological interactions in south-west Western Australia
Peatlands and ecosystems			
11:00	11:20	Patrick Moss	Peatlands of the Limestone Coast Region of Southeast South Australia - Insights from Palynology
11:20	11:40	Rani Carroll Madeleine Bessell-	The montane peatlands of south-eastern Australia: From the Holocene to the Anthropocene
11:40	12:00	Koprek	Vegetation and disturbance dynamics on King Island: a spatially replicated palaeoecological reconstruction
12:00	12:20	Yihan Wang	Restoring the lost Ericaceae of Botany Bay's scrublands through a palaeoecological approach in southeastern Sydney, Australia
Lunch + poster session - 12:20pm - 1:20pm			
13:20	13:50	Leandra Martiniello	Re-framing Holocene Forest and Wetland Dynamics at Barrington Tops
13:50	14:10	Cassandra Rowe	Non-eucalypts as alternative ecosystem engineers during MIS 5 in northern Australian savannas.
14:10	14:30	Sarah Cooley	Improving climate-based predictions for the future of long-lived conifers
14:30	14:50	Annika Herbert	Neotoma and The Indo-Pacific Pollen Database - new features and initiatives
Coastal, sea level and marine			
14:50	15:10	Annie Lau	Finding coastal boulder deposits and their corresponding wave events in Tonga and Australia
Afternoon break - 3:10pm - 3:30pm			
15:30	15:50	Sophie Golding Chan	Timing and magnitude of Holocene relative sea-level and coastal changes in Narm/Port Phillip Bay
15:50	16:10	Niranjana Joy Manayil	Reconstructing Holocene sea-level and palaeoenvironmental change from sedimentary archives using field and model-based approaches
16:10	16:30	Thomas Oliver Iroshaka Gregory	Luminescence dating as a tool to understand Quaternary coastal landscape evolution in Australia
16:30	16:50	Cooray	Adaptability of Blue Heart Wetlands to Sea-Level Rise: Sunshine Coast, Queensland, Australia
Conference Dinner starting at 6pm - FOYS at Kirribilli			

Day 4 - Thursday 09/07/2026

Coastal, sea level and marine

- 9:00 9:20 Ingrid Ward Intertidal peats and fossil forests of the Recherche Archipelago: a multi-proxy record of early-mid Hoocene sea-level rise
- 9:20 9:40 Franka Neumann Spatio-Temporal Patterns of Sea Surface Temperature across Marine Isotope Stage 19
- 9:40 10:00 Natasha Ngadi Paleocceanographic Changes in the Southwest Pacific Ocean Across the Mid-Pleistocene Transition
- 10:00 10:20 Allan R. Chivas Halogens and rhenium as palaeosalinity proxies in marine and non-marine sediments, Gulf of Carpentaria

Morning break - 10:20am - 10:40am

- 10:40 11:00 Margot Aurel Schneider Not a One-Size-Fits-All: Mercury Deposition Across Southern Hemisphere Sub-Antarctic Islands

Speleothems

- 11:00 11:30 Ellen Corrick Climate variability through the last interglacial period from multiproxy speleothem records from south-east France
- 11:30 11:50 Calla Gould-Whaley Stalagmites to understand climate and groundwater replenishment in southern Australia over the last millennium
- 11:54 12:14 Andrea Borsato Holocene climate and environmental reconstructions from speleothems in the Cook Islands
- 12:10 12:30 Monika Markowska A millennium of cool-season recharge variability at Yarrangobilly Caves: the Medieval Climate Anomaly as an analogue for modern drying under a positive Southern Annular Mode

Lunch + poster session - 12:30pm - 1:30pm

- 13:30 13:50 Jocelyn McGrade Groundwater recharge events since the early 20th century recorded via stalagmite trace elements and $\delta^{18}\text{O}$
- 13:50 14:10 Ashley Martin Tracing variations in dust provenance using a high-resolution in-situ Sr isotope approach: a mid-Pleistocene flowstone record from the Flinders Ranges, South Australia
- 14:10 14:30 Pauline Treble From Drip Water to Water Table: Calibrating Speleothem $\delta^{18}\text{O}$ as a Proxy for Rainfall Recharge to Groundwater
- 14:30 14:50 Ulasi Ngozi High-Resolution Chronology of Early Pleistocene glacial Terminations XVIII and XVII
- 14:50 15:10 Annabel Wolf Changes in onset and withdrawal drive Asian Monsoon trends over the Common Era
- 15:10 15:20 Timothy Pollard Radiometric age and palaeotemperature constraints on deglacial warming through Termination V

Afternoon break - 3:20pm - 3:40pm

Geomorphology and landscape evolution

- 15:40 16:10 Peter Almond Quaternary Soil-Geomorphology in Te Tai Poutini – the West Coast of the South Island
- 16:10 16:30 Jasper Knight Tectonic and climatic forcing on landforms and sediments in the Cape Fold Mountains, South Africa
- 16:30 16:50 Tim Cohen The mythical Lake George (Weereewa) and evidence for contrasting climate states driving pluvial conditions in SE Australia
- 16:50 17:10 Victoria Schwarz Depositional history of lunette dunes of western Victoria, south-east Australia

Trivia Night starting at 6pm - Teacher's Federation Heritage Room

Day 5 - Friday 10/07/2026

- 9:00 9:20 Stephanie Ius Holocene dryland river evolution in response to ENSO-driven hydrological change
- 9:20 9:40 Teresa Dixon Reconstructing the hydroclimate of north-west Australia since MIS 3 from floodplain sediments
- 9:40 10:00 Nick Roberts Late-Quaternary Australasian warm intervals evidenced by glacial-record contraction and gaps

10:00	10:20	John Jansen	Onset of continental-scale ice sheets in the Northern Hemisphere ~ MIS 100?
Morning break - 10:20am - 10:40am			
10:40	11:00	Philip Campbell	Climate Change Driven Persistence Changes in Australian Snowpatches.
Archaeology			
11:00	11:20	Michael C Westaway	Foragers or miner-harvester- fishers?
11:20	11:40	Mahmoud Abbas	Climate steered humans into the southern Levant 70 - 40 ka Constraining the timing of Neanderthals in Southern Iberia and evidence of marine resource consumption: Cueva de la Araña (Abrigo 3 & Cueva del Humo)
11:40	12:00	Ben Robertson	
12:00	12:20	John Fairweather	The Viability of a Rock varnish Chronology for dating Rock Art at Murujuga, Western Australia
Lunch + poster session - 12:20pm - 1:20pm			
13:00	13:20	Zuorui Liu	From source to sink: palaeoenvironmental reconstruction along the MIS 3 Rhine River with mammoth teeth
Models and projects			
13:20	13:40	Andrew Lowry	High resolution simulations of Australia's Quaternary climate Evaluating environmental change across Sahul during MIS 5: what proxy - model agreement and disagreement reveal about regional climate drivers
13:40	14:00	Alex F Wall	
14:00	14:20	Alexander Francke	Connecting Indo-Australian Monsoon and Palaeo-groundwater recharge by Land to Sea Drilling (CAMP L2S)
14:20	14:40	Georgia Grant	ANZIC outcomes and workshop report
14:40	15:00	Tim Barrows	Prizes and conference wrap / closing discussion
Conference concludes			

Day 1 Posters - Monday 06/07/2026

Annika Herbert	Reviewing the potential of using magnetic susceptibility to identify past wildfires in Australia
Anthony Romano	Ancient DNA from Lake Sediments: Reconstructing Pre-European Biodiversity Baselines in South-Eastern Australia
Maximilian Prochnow	Biomarker δD analyses reveal the impact of the southern Westerlies on Western Tasmania's hydrology
Kym Edwards	A high-resolution 4000-year hydroclimate reconstruction from Lake Purrumbete, southeastern Australia
Lucy Rowlands	Quaternary environments of the Mt Gambier region, Limestone Coast, South Australia Fire Regime Shifts in the Blue Mountains, NSW, During the Twentieth Century: Insights from Charcoal Records in Temperate Highland Peat Swamps
Maisie Maame Adwoa	
Colin Sobek	Deepening our understanding of changes in plant communities in response to fire on Kangaroo Island using sedimentary ancient DNA

Day 3 Posters - Wednesday 08/07/2026

Martin Kohler	Geomorphology and Holocene Environmental Change on Niuatoputapu, Tonga
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Kelsey Boyd	A deep time phytolith record from Lake Yamma Yamma in arid Australia
Bonnie Ngata	Late Quaternary Palaeo-environments of Jumping Grass Marsh, North Stradbroke Island (Minjerribah), South-east Queensland
Zara Smith	Reconstructing Environmental Histories of Western Moreton Bay
Vikki Lowe	Innovations in Micropaleontology for Quaternary Science
Oscar Seppelt	Strontium isotopes unravel late Quaternary groundwater, surface runoff and rainfall recharge at Lake Ohrid (Balkan Peninsula)

Day 4 Posters - Thursday 09/07/2026

Lucinda Duxbury	Tracking Arctic marine ecosystem change into the Last Interglacial in the eastern Fram Strait: a sedimentary ancient metagenomic record
Hesam Zareh Parvar	
Ghoochani Nejad	Holocene hydroclimate variability in the south pacific: new insights from high-resolution stalagmite proxy records from Tonga
Kimberley Stevens	Ancient rainwater preserved in speleothems reveals past precipitation source variability in semi-arid southeast Australia
Andrea Borsato	Holocene and Last Interglacial sea-level highstand records from Cook Islands speleothems
	Late Holocene hydroclimate on Kangaroo Island, South Australia: assessing the potential of speleothems from Kelly Hill Caves
Abby Matthias	
Maddalena	
Passelergue	Last Interglacial climate variability and polar ice-sheet meltwater events recorded in New Zealand speleothems
Annie Lau	Geomorphology and Holocene Environmental Change on Niuatoputapu, Tonga
Emily Miller	Reconstructing Holocene ecosystem shifts beneath the Shackleton Ice Shelf using sedaDNA and lipid biomarkers

Day 5 Posters - Friday 10/07/2026

Caroline Mather	Wetting and drying processes alter stone artefact distribution in clay-rich soils
Alissa Flatley	Exploring paleoenvironmental dynamics and sediment supply using OSL on the Weeli Wolli alluvial fan, Pilbara
Alexander Rahmann	Tracking Quaternary flooding and aridification in Australia's deserts as inferred from the sediments of Lake Yamma Yamma (QLD)
Harrison Jarman	Australian Biogenic Carbonates: A Paleothermometer?
Timothy Pollard	Using Python and Qt to improve stable and radiogenic isotope data processing workflows
Louisa White	A novel, integrative approach to palaeo-hydroclimatic analysis in Victorian desert margins
Serayah Steele	The SahulSED collection: a radiocarbon database for Australian sediments