

Day 1 - Monday 06/07/2026

09:00	09:10	Tim Barrows	Opening of the conference.
09:10	09:30	MLALC	Welcome to Country and didgeridoo performance.
09:30	10:30	Amy Way (Plenary)	The earliest evidence of high-elevation ice age occupation in Australia

Morning break - 10:30 - 10:50

People, fire and the landscape Chair: Lydia Mackenzie

		Michael-Shawn Fletcher	
10:50	11:20	(Keynote)	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 - 12:20 - 13:20

People, fire and the landscape Chair: Lydia Mackenzie

13:20	13:50	Scott Mooney (Keynote)	Charcoal and Fire in the Sydney Basin (Lessons from ~30 years of palaeofire research at UNSW).
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 Souza Magalhaes	
14:50	15:10		Reconstructing fire regime changes on Kangaroo Island, South Australia, using novel geochemical techniques.

Afternoon break - 15:10 - 15:30

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

15:50	16:10	Maximilian Prochnow	Palaeohydrology, fire and humans in south-eastern Australia: A biomarker and isotope perspective.
16:10	16:30	Nashley Griffiths	GDGT-based palaeotemperature reconstructions from lacustrine settings in Australia.
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.

Early Career Researcher event at conference centre

Day 2 - Tuesday 07/07/2026

09:00	17:00	ANZIC	ANZIC workshop (UNSW campus; see ANZIC website for details of meeting)
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09:00	12:30	Space for work catch up or networking (Michael Crouch Innovation Centre, UNSW)
09:30	12:00 Rebecca Hamilton	Mid Conference Fieldtrip: Centennial Park's Protected Ecological Communities
	12:00	Meet at and return to Centennial Park Randwick Gate
12:30	13:00	Lunch for workshop attendees (Michael Crouch Innovation Centre, UNSW) 12:30-13:00
13:00	13:45 Tim Barrows	Chronos tour (those not attending the Chronos workshop) (Meet at Michael Crouch Innovation Centre, UNSW)
14:00	15:30 Tim Barrows	Chronos workshop (Michael Crouch Innovation Centre)
14:15	17:15 John Tibby	Diatom workshop Lab 2 ("Rock Lab"), Ground Floor, D26 Biological Sciences
15:30	16:00	Afternoon tea (Michael Crouch Innovation Centre) - 15:30 - 16:00
16:00	18:00 Lydia Mackenzie	WISH workshop (Rm 552 Hilmer Building)

Day 3 - Wednesday 08/07/2026

Long records and environmental reconstruction Chair: Patrick Moss

09:00	09:20 John Tibby	Sediment hiatuses in Holocene sedimentary records along the eastern Australian coastal margin: an obstacle to, and an opportunity for, quantitative climate inferences.
09:20	09:40 Mahfuzur Rahman	Reconstructing Hydroclimate Variability in Western Victoria from a High-Resolution Record from Lake Bullen Merri with a New Diatom-Salinity Transfer Function.
09:40	10:00 Jonathan Tyler	Hydroclimate variability in southern Australia through the last 2000 years.
10:00	10:20 Louisa Sheridan	Investigating the impact of millennial scale climate events on southern Australia during the Last Glacial Period.

Morning break - 10:20 - 10:40

10:40	11:00 Teye Aukes	Diatom-salinity transfer function and climate-ecological interactions in south-west Western Australia.
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Peatlands and ecosystems Chair: Tim Cohen

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	The montane peatlands of south-eastern Australia: From the Holocene to the Anthropocene.
11:40	12:00 Madeleine Bessell-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 - 12:20 - 13:20

13:20	13:40 Leandra Martiniello	Re-framing Holocene Forest and Wetland Dynamics at Barrington Tops.
13:40	14:00 Cassandra Rowe	Non-eucalypts as alternative ecosystem engineers during MIS 5 in northern Australian savannas.
14:00	14:20 Sarah Cooley	Improving climate-based predictions for the future of long-lived conifers.
14:20	14:40 Annika Herbert	Neotoma and The Indo-Pacific Pollen Database - new features and initiatives.

Coastal, sea level and marine Chair: Amy Prendergast

14:40	15:00	Annie Lau	Finding coastal boulder deposits and their corresponding wave events in Tonga and Australia.
Afternoon break - 15:00 - 15:20			
15:20	15:40	Sophie Golding Chan	Timing and magnitude of Holocene relative sea-level and coastal changes in Narrm/Port Phillip Bay.
15:40	16:00	Niranjana Joy Manayil	Reconstructing Holocene sea-level and palaeoenvironmental change from sedimentary archives using field and model-based approaches.
16:00	16:20	Thomas Oliver	Luminescence dating as a tool to understand Quaternary coastal landscape evolution in Australia.
16:20	16:40	Iroshaka Gregory 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 Chair: Amy Prendergast

09:00	09:20	Ingrid Ward	Intertidal peats and fossil forests of the Recherche Archipelago: a multi-proxy record of early-mid Holocene sea-level rise.
09:20	09:40	Franka Neumann	Spatio-Temporal Patterns of Sea Surface Temperature across Marine Isotope Stage 19.
09:40	10:00	Natasha Ngadi	Paleoceanographic 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 - 10:20 - 10:40			
10:40	11:00	Margot Aurel Schneider	Not a One-Size-Fits-All: Mercury Deposition Across Southern Hemisphere Sub-Antarctic Islands.
Speleothems Chair: Andy Baker			
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. 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.
12:10	12:30	Monika Markowska	
Lunch + poster session - 12:30 - 13:30			
13:30	13:50	Jocelyn McGrade	Groundwater recharge events since the early 20th century recorded via stalagmite trace elements and $\delta^{18}\text{O}$. 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.
13:50	14:10	Ashley Martin	
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	Ulaszi 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	15:30	Timothy Pollard	Radiometric age and palaeotemperature constraints on deglacial warming through Termination V.

Afternoon break - 15:30 - 15:50

Geomorphology and landscape evolution Chair: Justine Kemp

15:50	16:20	Peter Almond (Keynote)	Quaternary Soil-Geomorphology in Te Tai Poutini – the West Coast of the South Island.
16:20	16:40	Jasper Knight	Tectonic and climatic forcing on landforms and sediments in the Cape Fold Mountains, South Africa.
16:40	17:00	Tim Cohen	The mythical Lake George (Weereewa) and evidence for contrasting climate states driving pluvial conditions in SE Australia.
17:00	17:20	Victoria Schwarz	Depositional history of lunette dunes of western Victoria, south-east Australia.

Trivia Night starting at 7 pm - Teacher's Federation Heritage Room

Day 5 - Friday 10/07/2026

09:00	09:20	Stephanie Ius	Holocene dryland river evolution in response to ENSO-driven hydrological change.
09:20	09:40	Teresa Dixon	Reconstructing the hydroclimate of north-west Australia since MIS 3 from floodplain sediments.
09:40	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 - 10:20 - 10:40

10:40	11:00	Philip Campbell	Climate Change Driven Persistence Changes in Australian Snowpatches.
Archaeology Chair: Simon Haberle			
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	The Viability of a Rock varnish Chronology for dating Rock Art at Murujuga, Western Australia.
12:00	12:20	John Fairweather	

Lunch + poster session - 12:20 - 13:20

13:20	13:40	Amy Prendergast	Holocene palaeoclimate and seasonal shellfish collection in the central Mediterranean
Models and projects Chair: Haidee Cadd			
13:40	14:00	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.
14:00	14:20	Alex F Wall	Connecting Indo-Australian Monsoon and Palaeo-groundwater recharge by Land to Sea Drilling (CAMP L2S).
14:20	14:40	Alexander Francke	ANZIC outcomes and workshop report.
14:40	15:00	ANZIC team	
15:00	15:20	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.
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 Purumbete, southeastern Australia.
Maisie Maame Adwoa	Fire Regime Shifts in the Blue Mountains, NSW, During the Twentieth Century: Insights from Charcoal Records in Temperate Highland Peat Swamps.
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

Lucy Rowlands	Quaternary environments of the Mt Gambier region, Limestone Coast, South Australia.
Martin Kohler	Geomorphology and Holocene Environmental Change on Niuatoputapu, Tonga.
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.
Abby Matthias	Late Holocene hydroclimate on Kangaroo Island, South Australia: assessing the potential of speleothems from Kelly Hill Caves.
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.
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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.
Amy Prendergast	An overview of recent sclerochronology research in Australia