


Monday 24 November								
7:00	8:45	Registration Open						
8:45	9:00	Welcome to Country Katrina Karlapina Power Location: Hall C						
9:00	9:10	Conference Opening Dan Rogers - ESA Organising Committee Chair Location: Hall C						
9:10	9:15	Conference Welcome Hon Lucy Hood MP - Minister for Climate, Environment and Water Location: Hall C						
9:15	9:55	Indigenous Keynote Tiahni Adamson - National Aboriginal and Torres Strait Islander Engagement Manager, Bush Heritage Australia Board Member, Green Adelaide Proudly Supported by Green Adelaide Location: Hall C						
9:55	10:25	Presentation Sarah Legge - AERA Award Winner Location: Hall C						
10:25	11:00	MORNING TEA						
		Indigenous Ecological Knowledge 1.1.C	Navigating Vegetation Dieback and Climate Succession 1.1.2	Conservation in the Dark: How to Protect Poorly Documented Dark-taxa 1.1.34 Proudly Sponsored by Atlas of Living Australia 	Restoration Provenancing in a Changing Climate 1.1.5	Citizen Science is Key to Ecological Research 1.1.67	Movement Ecology for Conservation Action 1.1.8	Nature-based Climate Adaptation and Resilience 1.1.G
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite
		Session Chair: Stephen van Leeuwen	Session Chair: Cal Bryant	Session Chair: Heloise Gibb/Jess Marsh	Session Chair: Georgina Wood	Session Chair: Dr Sylvia Clarke	Session Chair: Scott Forrest	Session Chair: Dr Rachel Morgain
11:00	11:05	Shandell Cummings, UWA Recording and mapping cultural knowledge – navigating the world of literature review!	Cal Bryant, ANU Understanding and responding to climate change-mediated subalpine snow-gum woodland decline	Dr Nick Porch, Deakin Uni Darkness pervades the mountains: Throwing light onto invertebrates in montane SE. Australia	Dr Rebecca Jordan, CSIRO Testing climate-adjusted provenancing strategies for mine site revegetation under climate change	David E. Uribe-Rivera, CSIRO Environment Dealing with spatial sampling bias in biodiversity records “blindly”	Deane Smith, Vertebrate Pest Research Unit, NSW DPIRD Movement behaviour determines management units for conservation.	Bek Christensen, NRM Regions Aust Resilience for nature, or nature for resilience? Nature-based Solutions for Climate Adaptation
11:05	11:10							
11:10	11:15							
11:15	11:20	Richard Davies, Flinders Uni Community groups supporting Arabana Rangers burning mound springs to recover endangered flora	Chloe Bentze, Uni of SA Using in situ microrefugia to safeguard stringybark	Dr Jessica Marsh, Uni of Adelaide What we don’t know: identifying critical data gaps impeding Australian invertebrate conservation	Adjunct Prod Melinda Coleman, Department of Primary Industries Future proofing kelp forests	Ross Macfarlane, National Malleefowl Recovery Team The National Malleefowl Monitoring Program: A Successful Case Study in Citizen Science	Maxime Manini, Uni of Newcastle Motus automated telemetry uncovers migratory shorebirds habitat selection, supporting adaptive land management	Will Hannaford From disaster recovery to landscape stewardship: scaling nature-based solutions for climate adaptation in post-bushfield land management
11:20	11:25					Scottie Wedderburn, Uni of Adelaide Muscles in the mud: Engaging community power to monitor Lokeri (floodplain mussel)		
11:25	11:30							
11:30	11:35	Kai Lane, Ecological Restoration Aust Yedabila Habitat Pods- sustainable habitat restoration using indigenous	Weerach Charerntantanakul, ANU Remote sensing shows that mature, long-unburnt snow-gum woodlands	Andy Austin, Uni of Adelaide The conservation implications of poor terrestrial invertebrate systematics	Natalie Coy, UNSW Where do donor seagrass shoots come from? Genetic insights for Posidonia restoration		Christina Hunter, La Trabe Uni Habitat selection and early survivorship in hatchling Murray River turtles (Chelonia mydas)	Sarah Hunter, Uni of Melbourne Using Australian roadsides for climate and biodiversity: Exploring
11:35	11:40							

11:40	11:45	traditional weaving	are declining	in Australia			river turtles (Emyaura macquarii)	barriers and potential gains
11:45	11:50	Angela Muscatello, Uni of Melbourne Perceptions of ecosystem function in on-Country urban waterway assessments	Brendan Choat, Western Sydney Uni Realtime sensor networks for monitoring ecological processes	Dr Tim Collins, DC CEEW Listing Threatened Ecological Communities can conserve "dark taxa" and poorly known biota	Dr Elizabeth Sinclair, Uni of WA Genetics and restoring temperate seagrasses in a changing environment	Caitlyn Forster, Uni of Sydney Social disadvantage linked to reduced citizen science participation in Sydney	Kathryn Bugler, Uni of Adelaide Roos on the move: Understanding kangaroo movement for improved conservation	Dr Russell Wise, CSIRO Environment Building regions' abilities to influence investments in landscapes: emerging lessons
11:50	11:55					Tamara Finlayson, TERN Role of Volunteers in Ecological Monitoring Programs: Strengthening Science, Conservation and Community	Lily Bentley, Uni of Queensland Integrating a first estimate of global marine migratory connectivity into conservation policy and practice	
11:55	12:00						Question & Answer Session	
12:00	12:05							
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12:10	12:15	Lorna Ngugi, UQ Raising Rare Corymbia: A Community Stewardship Approach for Species Conservation	Donna Fitzgerald, Uni of SA Analysis of eucalypt dieback: Fusion of spectral and structural aerial imagery data	Dr Caroline Chong, NT Govt Highlights from dark taxa: a Northern Territory conservation perspective	Dr Annika Lamb, Australian Institute of Marine Science Sourcing genetic diversity for reef restoration from within and between taxonomic boundaries.	Karen Burke Da Silva, Flinders Uni Passport2Recovery: Compromised of 12 interlinked Citizen Science Projects on Kangaroo Island SA		Dr Rachel Morgain, Uni of Melbourne What is the insurance sector saying about nature-based solutions for climate risk?
12:15	12:20	Jay Nicolson, ANU Why is climate change killing plants at Uluru-Kata Tjuta National Park?	Joe Fontaine, Murdoch Uni Why here but not there? Syndromes of vulnerability to die-off events	Dr Shandiya Balasubramaniam, Atlas of Living Aust. Conserving the Unseen: Data Gaps in the Atlas of Living Australia	Carys Morgans, Aust Institute of Marine Science Investigating the role of genetic diversity in coral resilience across reef environments		Question & Answer Session	Chris Lee, Climate-KIC Building capabilities for systemic resilience investment
12:20	12:25					Nita Lauren, RMIT Caffeinated conservation: Encouraging behavioural spillover after zoo visitors purchase wildlife-friendly coffee		
12:25	12:30					Ella Dewilde, QUT The usability of a biodiversity toolkit for farm-level monitoring by beef producers		
12:30	12:35	Ursula Rodrigues, Uni of WA Weaving knowledges together to inform Noongar Elder-led fire in contemporary landscapes.		Panel Session - How do we improve conservation of dark taxa				30mins panel discussion
12:35	12:40							
12:40	12:45					Jessica Ward-Jones, Invasive Species Council Bugs in my Backyard: a National Citizen Science program		
12:45	12:50	Heidi Zimmer, Centre for Aust National Biodiversity Traditional Knowledge and biodiversity assessments: Indigenous-led/co-designed fungi and orchid research in Kakadu		Prof Heloise Gibb, Dr Jessica Marsh, Prof David Keith, Dr Nick Porch, Dr Payal Bal				
12:50	12:55							
12:55	13:00							
13:00	13:05	Graham Moore, NSW DCEEW Translating knowledge into practice - Aboriginal Cultural Incident Management Exercise						
13:05	14:00	LUNCH						

14:35	14:40	Indigenous Ecological Knowledge Panel Discussions and Q & A TBC	Western Sydney Uni Can plant functional traits predict dieback patterns among Eucalyptus species?	Evaluating beetle responses to the 2019-20 megafires at the morphospecies level. Crazy?	Provenance decision-making tools: challenges and opportunities across marine taxa and beyond	Ben Roots, Murdoch Uni Can we uncover the potential of radiogenic isotopes to track marine animal movement	Scott Forrest, QUT Landscape-scale Responses to Post-Fire Plantation Harvesting on Kangaroo Island	Dr Jackie O'Sullivan, CSIRO The effectiveness of conservation interventions in Ramsar Wetlands	Dr Patrick Finnerty, Dr Holly Kirk, Dr Samantha Lloyd, Prof Euan Ritchie, Dr Perpetua Turner, Prof Deiter Hochuli, Dr Katherine Moseby
14:40	14:45		Katinka Ruthrof, DBCA Management following drought and heatwave-induced forest die-off	Dr Heloise Gibb, Deakin Uni Did we lose dark species in the Black Summer megafires?	45mins Panel Discussion	Ben Roots, Murdoch Uni Decapod Crustaceans in a Hypersaline Future: A Meta-analysis of Physiological Impacts	Scott Forrest, QUT Landscape-scale predictions with deepSSF: improving transferability across space and species	Dr Brooke Williams, Uni of Newcastle Global flows of forest based carbon projects	
14:45	14:50		Amy Smart, Hawkesbury Institute Sensitivity of Gondwana Rainforest to Drought and Fire	Emanuela Cosma, Uni of Tasmania Conserving beetles in production forest landscapes		Ines Leal, Department of Biodiversity, Conservation and Attractions Widespread decline in sea cucumber populations in the Rowley Shoals		Dr Jackie O'Sullivan, CSIRO The effectiveness of conservation interventions in Ramsar Wetlands	
14:50	14:55							Case Case, Flinders Uni Intergenerational Acclimatisation in Translocated Pygmy Bluetongue (Tiliqua adelaidensis) Lizards	
14:55	15:00							Jenny Styger, University of Tasmania Accessible adaptation guidance for Australia's biodiversity managers	
15:00	15:05		Mnqobu Zuma, Murdoch Uni Interacting effects of fire, drought and disease on plant-soil relationships	Dr Leanda Mason, Edith Cowan Uni Intergenerational Knowledge Sharing and Kinship: 50 year longitudinal study of trapdoor spiders		Rowan Lymbery, Department of Biodiversity, Conservation and Attractions Investigating the conservation biology of trapdoor spiders in the Darling Range			
15:05	15:10								
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15:30	15:35		Alan Vincent, ANU Modelling climate driven distributional shifts of Eucalyptus species for montane conservation management.						
15:30	16:00	AFTERNOON TEA							
		Open Forum: Community Ecology 1.3.C	Open Forum: Plant Ecology 1.3.2	Open Forum: Threatened Species 1.3.34	Open Forum: Climate Change 1.3.5	Open Forum: Behavioural Ecology 1.3.67	Movement Ecology for Conservation Action 1.3.8	More than Water - Exploring Relational Values of Water Bodies 1.3.G	
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite	
		Session Chair: John Morgan	Session Chair: Joe Atkinson	Session Chair: Vicki-Jo Russell	Session Chair: Charlotte Patterson	Session Chair: Diane Colombelli-Négrel	Session Chair: Inka Veltheim	Session Chair: Madison Miller/Christina Renowden	
16:00	16:05	John Llewlyn, Flinders Uni Restructuring of the large-bodied animal community in Australia and New Guinea	Susan Kachaniwsky, La Trobe Uni Fragmented Fields and Failing Flowers: Allee Effects in an Iconic Grassland Plant	Milad Khosravi, Uni of Adelaide Inferring population structure in a cave fish using genomic and eDNA markers	Charlotte Patterson, QUT The future of Antarctica's ice-free habitat	Mike Gardner, Flinders Uni Pairbonding: is it all in the brain?	Saskia Gerhardy, Adelaide Uni Rethinking a grassland specialist: new insights into Plains-wanderer habitat at range edge.	Dr Eliza Middleton, Water Technology Revitalising cultural and ecological ties along Dyarubbin	
16:05	16:10								
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16:15	16:20	Shokoofeh Shamsi, Charles Sturt Uni Biodiversity's Blind Spot: The Case for Including Parasites	Catherine Pottinger, Uni of Technology Sydney Cross-Tolerance to Thermal Extremes in Australian Native Plants	Sally Fuik-Burgemeestre, Deakin University, Rat Runs and Roadblocks: Investigating Broad-Toothed Rat Connectivity in a Horse Dominated Landscape	Nick Whiterod, CLMM Research Centre Community-driven research to inform climate solutions for a vulnerable region	Diane Colombelli-Negrel, Flinders Uni Call clustering in Australian fairy terns supports flexible playback use for conservation	Laura Murray, Adelaide Uni Fine-scale movements and diving patterns of threatened sea snakes in Northern Australia	Maddison Miller, Uni of Melbourne Narrative connection: building understanding of Birrarung as a living entity	
16:20	16:25								
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16:30	16:35	Leon Sims, Uni of Technolgy, Sydney Location Location Location: Alpine microclimatic variation influences flowering and plant-pollinator network specialisation	Jessica Schembri, UNSW Plant plasticity under competition: Questioning consistency of a classic response to shade.	Ryo Iwamoto, AdvanSentinel Inc QuickConc: A highly sensitive eDNA concentration method with cationic-assisted capture	Justin Eastwood, Monash Uni Pervasive sublethal impacts of heat exposure revealed by telomere dynamics	Jasmin Annett, Uni of Sunshine Coast Does Skippy actually skip? Understanding gait modulation in free-roaming kangaroos.	Courtney Adams, UNSW Can Numbats Cope with Extreme Heat?	Dr Judy Bush, Uni of Melbourne Collaborative governance for urban waterways	
16:35	16:40					Katie Barton, Uni of Sydney Evaluating the Epidemiological Risk of Mass Mortality Events: A Bipartite Network Analysis			
16:40	16:45		Tanya White, Habitat Management Services Alternative and innovative habitat solutions for native wildlife			Alan Anderson, Charles Darwin Uni Little rule by little rulers in an Australian tropical savanna	Sam Girvan, Uni of Melbourne Using experimental burns to examine Greater Bilby associations with fire		


16:45	16:50	David Watson, Charles Sturt Uni Mistletoes as engines of frugivore diversification	Natalia De Aguiar Campos, James Cook Uni Cyclone-driven changes to forest canopy impact tree transpiration estimates in tropical forests	John McEvoy, CSIRO, The National Koala Monitoring Program - insights from a data-driven model	Georgina Wood, Flinders Uni Associations between a Harmful Algal Bloom and coastal microbial and viral communities	Australian Tropical Savanna	Christine Renowden, Monash Uni The importance of reconstructing language to reframe our relationships with living entities
16:50	16:55						
16:55	17:00						
17:05	17:05	John Morgan, La Trobe Uni How tolerant are native grasses to repeated-defoliation, and can we predict this?					Clara Borrel, Deakin Uni Coordination during incubation and rearing in a passerine: effect of individual quality
	17:10						
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17:15	17:45	Book launch with CSIRO publishing: Ecology Matters - conversation with Australian Ecologists CSIRO Exhibition Booth (Stand 3) Barbara Rice Memorial Poster Session					
17:45	19:45	The Barbara Rice Memorial Poster Session is a much-anticipated highlight of the ESA Conference program, bringing together early-career researchers, students, and established scientists for an engaging evening of knowledge sharing and community building. Named in honour of Barbara Rice, a passionate advocate for ecological science and education, this session celebrates her legacy by fostering a welcoming and supportive space for scientific exchange. Join us as the poster hall comes alive with vibrant discussions and thought-provoking research across a wide range of ecological disciplines. Presenters will be on hand to share their work, answer questions, and connect with delegates in an informal and collegial atmosphere. Please speak with the poster presenters to get a sticker to earn yourself a free drink from the bar!					

TUESDAY 25 NOVEMBER								
7:30	8:30	Registrations Open						
8:20	8:30	Tuesday Welcome Professor Angela Moles - UNSW E&ERC Location: Hall C						
8:30	9:00	Presentation David Watson - ESA/UNSW Inspiring Ecology Teaching Award Winner Location: Hall C						
9:00	9:45	Presentation Dr Sylvia Zukowski, Nick Whiterod & Darren Willis Nicholas Chu & Matthew Alfonzetti - ESA Ecological Impact Award Winners Location: Hall C						
9:45	10:15	Keynote Presentation Mark Ooi - Scientia Assoc. Prof, University of NSW Location: Hall C						
10:15	10:45	MORNING TEA						
		Enhancing Collaborative Fire Management 2.1.C	Celebrating the Work of Distinguish Professor Jamie Kirkpatrick 2.1.2	Open Forum: Invasive Species 2.1.34	Learning the Wild: Transformative Experiences for Educating Aspiring Ecologists 2.1.5	Transformative and Transdisciplinary: Methods and Techniques for Monitoring Environmental Change 2.1.67	Revolutionising Vegetation Data 2.1.8	Soil Matters: Effective Restoration via Improved Harnessing of Soil Biodiversity 2.1.G
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite
		Session Chairs: James Barker and Bridget Roberts	Session Chair: Dr Vishnu Prahalad	Session Chair: Guy Ballard	Session Chair: Jessica Boomer, Angela Moles, Francesca Van der Berg	Session Chair: Sally O'Neill	Session Chair: Dr Donna Lewis	Session Chair: Martin Breed
10:45	10:50	Dr Phillipa McCormack, Adelaide Uni New laws for new fire regimes	Kerry Bridle 'Tasmanian native grasslands: is current grazing pressure enough to maintain conservation values?'	Guy Ballard NSW DPIRD How has a monitored feral cat population changed over time?	Prof Angela Moles, Uni NSW Fieldwork, Labwork, and Learning for All: ESA's Guide to Inclusive Ecology Education	Graham Finlayson, Bush Heritage Aust The application of AusPlots protocols for vegetation monitoring at the property scale	Dr Penny Johnson, DCCEEW Implementing the IUCN Global Ecosystem Typology for National Environmental Reporting in Australia	Martin Breed, Flinders Uni Soil matters: effective restoration via improved harnessing of soil biodiversity
10:50	10:55							Miriam Munoz-Rojas, IRNAS-CSIC Biocrust microbiomes for managing abiotic stress in ecosystem restoration
10:55	11:00	Chelsea Rathbone, DEECA Risk mapping fire impacts to threatened aquatic faunaa	David Keith, Centre for Ecosystem Science, University of NSW ' Busting a mythology in ecology: small isolated habitat patches in fragmented landscapes'	Annalie Dorph, Uni of New England Evaluating camera trap allocations and density estimation for feral cat population monitoring	Prof Pauline Ross, Uni of Sydney Field Experiences in the Age of Artificial Intelligence	Samantha Munroe, CSIRO Environment Assessing Ecosystem Condition with the Habitat Condition Assessment Tool	Wes Davidson, DCCEEW Enhancing Ecological Insight: The NVIS Data Transformation Strategy	
11:00	11:05	Shawn Scott, Uni of SA Reptile community succession following prescribed fire in a biodiversity hotspot						
11:05	11:10	Jana Stewart, Centre for Ecosystem Science Understanding how fire retardant chemicals impact Australian soil and plant biology						Shawn Peddle, Flinders Uni Keep it together: intact soil translocation improves establishment of inoculated microbial communities
11:10	11:15							Tarryn Davies, Flinders Uni Ecological phage therapy: can bacteriophages help rapidly restore the soil microbiome?
11:15	11:20							

11:20	11:25	Giles Standish, Ventia Resilient, Collaborative and Strategic Bushfire Mitigation on the Defence Estate	Pippi Lawn, University of Tasmania 'Shaping ecology: Karst Landforms drive biogeomorphic interactions in a Tasmanian grassland'	Segun OSunkoya, Qld Depart Primary Industries Contribution of climatic niche dynamics for risk assessments of Queensland emerging weeds	Dr Jessica Boomer, Macquarie University Embedding Learning in Landscapes: National Park Partnerships for Ecological Education	Emma Hudgins, Uni of Melbourne Estimating potential myrtle rust impacts to carbon sequestration in Australia	Dr Mark Tozer, Uni of NSW Towards a continent-wide, plot-based classification of Australia's vegetation communities	Riley Hodgson, Flinders Uni Arid soil bacterial legacies improve drought resilience of keystone grass, Themeda triandra
11:25	11:30							Kyle Iseppi, La Trobe Uni Mesocosm study of short term bacterial and fungal responses to soil fire
11:30	11:35	Stephen Kearney, Bush Heritage Aust Juggling Fire Intervals in Queensland's Central Highlands	Jayne Balmer, NRE Tasmania 'Ecological, decadal dynamics and conservation significance of alkaline wetlands in Lutruwita/Tasmania'	Tyler Beale, Latrobe Uni Capping weeds & unearthing seeds: Can using recycled substrates suppress urban weeds?	Dr Larissa Braz Sousa, University of Sydney Mozzie Month: Connecting Students with Environmental Health through Field-Based Citizen Science	Ellen Neville, TERN, Uni of Adelaide More than just electronic datasheets, why standardising ecological data collection matters	Dr Donna Lewis, TERN Automating the National Vegetation Information System vegetation hierarchy from vegetation plot data	Janneke Zootjens, Federation Uni Aust Compost heaps in the desert: Can malleefowl mound soil enhance restoration outcomes?
11:35	11:40			Jamie Kennedy ANU Occupancy and monitoring of invasive deer in Namadgi National Park				Kate Matthews, Flinders Uni Silence of the lambs: how grazing exclusion improves soils in SA rangelands
11:40	11:45							Sofie Costin, Flinders Uni Managing buffel grass through soil and biocrust microbial insights
11:45	11:50	Max Tibby, Uni of New England Optimising fire management for reptile conservation in the South Australian Mallee.	Susanna Venn, Deakin Uni 'The condition, threats and future of Australian alpine snowpatch plant communities'	Rishab Pillai, Uni of Adelaide Ecological drivers of European rabbit morphology in native and introduced ranges	Dr Anna Hopkins, Edith Cowan Uni Urban reserves as case studies for research and teaching in ecology	Paul Van Ruth, Nature Foundation Standardised Monitoring for Biodiversity Conservation: Lessons from Nature Foundation's Biodiversity Monitoring Program	Max Mallen-Cooper, UNSW Mapping biocrusts across south-eastern Australia: hot spots, cold spots and land-use conflicts	Nadia Zermani, La Trobe Uni Identifying Microbial Drivers of Soil Hydrophobicity through Functional and Taxonomic Analysis
11:50	11:55							Ruby Angurana, Lovely Professional University, Phagwara, Punjab Molecular Identification and Cuticular Analysis of Isotomidae (Collembola)
11:55	12:00							Giancarlo Chirarenza, Curtin Uni Role of soil biotic and abiotic factors in Balga (Xanthorrhoea preissii) revegetation
12:00	12:05	Annabel Smith, UQ Aligning research and fire management values: lessons from subtropical grassy woodlands	Dr Vishnu Prahalad, Senior Lecturer, Physical Geography, School of Geography, Planning and Spatial Sciences, Uni of Tas 'Conservation Beyond Growthism: insights from change-makers on social-ecological wellbeing in Tasmania	Kristy Stevenson, QUT Historical land-use correlates with myrtle rust impact in wet sclerophyll forests	Dr Eleanor Velasquez, TERN, Aust / UQ How Art, Science and Education approaches foster increased scientific literacy	Jonathan Werry, GHD Monitoring response of understorey vegetation to weir pool manipulation along the River Murray, South Australia.	Bethany Treglown, Flinders Uni Response of vegetative habitat to hydrological regimes in temperate freshwater wetlands	5miSandra McEwan, QUT Interactions not Individuals: Microbial Ecology of Soil Carbon Persistence
12:05	12:10							Maggie Logan, La Trobe Uni What's The Go Down Below?
12:10	12:15							
12:15	12:20		Matt Dell, Deakin Uni 'Functional responses of bryophytes to riparian lateral gradients in temperate woodlands'	Joanne Walker, Wildlife Health Aust Feral vertebrate surveillance and management and animal, human and ecosystems health risk	Dr Anastasia Shavrova, Uni NSW Science Communication as Pedagogy	Elisa Girola, TERN From Plots to Continents: Integrating Multi-Source Environmental Data Across Australia	Iain Campbell, UNSW Bird Assemblages Habitat Prediction Greatly Improves Accuracy and Confidence in Vegetation Mapping	Jake Robinson, Flinders Uni The Biodiversity Jukebox: Exploring sonic stimulation to restore soil biodiversity
12:20	12:25					Nikki Francis, TERN, Uni of Adelaide TERN Australia's Soil and Herbarium Collection: A Valuable Ecological Resource		


12:25	12:30	Facilitate panel discussion: P McCormack, A Smith, G Standish, S Kearny, H Neilly. Facilitator: Dr Samantha LLOYD	rainforest'	Laura Lopresti, James Cook Uni Enemy release, coupled with no missing mutualists, contributes to alien invasion success		Cassandra Malley, DCCEEW New developments in the Habitat Condition Assessment System (HCAS)	Confidence in Vegetation Mapping	Amy Annells, Flinders Uni Towards an acoustic classifier for soil invertebrates: A tool for biodiversity monitoring	
12:30	12:35		Iona Flett, Uni of Tasmania 'Papers about paperbark: the Melaleuca ericifolia swamp forest literature (Tasmania and Victoria)'		Alexandra Ross, AWC Delivering engaging conservation education at Yookamurra Sanctuary				Smins Alex Taylor, Flinders Uni Deeper Frequencies: Monitoring Soil Fauna with Ecoacoustics
12:35	12:40								
12:40	12:45								
12:45	13:30	LUNCH							
12:45	13:15	Practitioner Engagment Working Group Information Session							
13:30	13:45	Presentation: Jill Landsberg Applied Ecology Scholarship Winner Jessie Moyses - Phd Candidate, Queensland University Of Technology Location: Hall C							
13:45	14:00	Presentation: ESA 2025 Applied Forest Ecology Scholarship Winner Liam Berrt - Edith Cowan University Location: Hall C							
14:00	14:15	Presentation: ESA 2024 Fundamental Ecology Award Winner Tess Jenkins - Student Location: Hall C							
14:15	14:20	Presentation: ESA ARDC Award Winner Location: Hall C							
14:20	15:00	AFTERNOON TEA							
		Enhancing Collaborative Fire Management 2.2.C	Hyperabundant Native Fauna 2.2.2	Open Forum: Threatened Species 2.2.34	Learning the Wild: Transformative Experiences for Educating Aspiring Ecologists 2.2.5	Transformative and Transdisciplinary: Methods and Techniques for Monitoring Environmental Change 2.2.67	Revolutionising Vegetation Data 2.2.8	Open Forum: Ecological Management and Restoration 2.2.G	
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite	
		Session Chair: Samantha Lloyd	Session Chair: Maria Schreider	Session Chair: Alexandra Ross	Session Chair: Jessica Boomer, Angela Moles, Francesca Van der Berg	Session Chair: Sally O'Neill	Session Chair: Donna Lewis	Session Chair: Georgia Ward-Fear	
15:00	15:05	Graham Moore, NSW DCEEW Integrating knowledge systems to Care for Country	Tara McKenzie, Uni of Adelaide Uncovering the secrets of brushtail possums in South Australia	Lauren Young, Arid Recovery Beyond the fence: Western quolls outside the Arid Recovery Reserve	Assoc Prof Lisa Godinho, Uni of Melbourne More first-years outdoors with a little help from a Field Friend	Lauren Amy Hawkins, Department of Biodiversity, Conservation and Attractions, WA Introducing an Ecoacoustic Monitoring Program for Forest Health in Southwestern Australia	Dayani Gunawardana, DCCEEW How ecological knowledge and data is used in the Nature Repair Market	Liz McTaggart, Depart Environment and Water Flinders Island multiple species eradication -creating a public private partnership conservation legacy.	
15:05	15:10								
15:10	15:15								
15:15	15:20	Zoe Webber, ARC Training Centre for Healing Co Reviving cultural burning in the urban interface	Dr Graham Coulson, Uni of Melbourne An embarrassment of macropods: symptoms, causes and management of hyperabundance	April Timmis, Deakin Uni How human interactions influence escape behaviour and breeding success in hooded plover	Dr Anke Frank, Charles Sturt UniThe Field Is Not Optional: Rethinking Cost-Cutting in Ecology Education	Wendy Neilan, NSW Biodiversity Conservation Trust Demonstrating biodiversity outcomes of private land conservation	Prof Stuart Phinn, UQ Satellite-derived vegetation property maps - local to continental scales - the Australian case?	Heather Neilly Small terrestrial floodplain fauna haven't recovered two years after a major flood	
15:20	15:25						Christopher Bradley, ANU Mapping and Categorising Shelterbelts across Australia		
15:25	15:30						Dr Annie Nguyen, Uni of Adelaide Measuring True Forest Recovery After Catastrophic Fire with Multi-Sensor Platforms		

15:30	15:35	Kirstin Abley, Depart For Environment and Water Collaboration at the Fire Front - South Australia's Bushfire Natural Values Team	Prof Michael Letnic, UNSW Effects of artificial water points on the distribution of red kangaroos in arid South Australia	Shannon Kleemann, Uni of Adelaide Drought severity and declining body condition across decades in southern hairy-nosed wombats	Dr Manuel Lequerica Tamara, Uni of Sydney Measuring more than biodiversity: enhancing student engagement through field-based learning	Clare Vernon, Deakin Uni Understanding indicator selection and assessment in terrestrial and alpine Australian ecosystems	5Dr Ilaine Silveira Matos, Uni of Adelaide Growing old and tolerant? How Eucalypts and Acacias traits vary across life-stages.	Yasmin Gee, Uni of New England Exploring the response of insect communities to grazing on private conservation land
15:35	15:40						Open Forum: threatened species 2.2.8	
15:40	15:45						Session Chair:	
15:45	15:50	Shabnam Varzeshi, RMIT Integrating Science Into Fire Management for Organisational and Ecological Resilience	Simon Heislars, Phillip Island Nature Parks Future-Proofing Little Penguins – what happens when herbivores impede conservation action?	Angie Symon, Zoos Victoria Factors influencing the post-release survival of translocated helmeted honeyeaters	Dr Francesca Van Den Berg, Uni of Sydney The Pedagogical Value and Practical Challenges of Fieldwork in Ecology Education	David Hamilton, Tasmanian Land ConservancyInterrogating the data: a decade of camera trapping on a conservation reserve	Trish Mooney, Charles Darwin Uni Glossy Black-Cockatoos retain genetic diversity despite isolation, fragmented habitat and recent fires	Lucy Gilchrist, Uni of Sydney Greenspots in a red landscape: Primary Productivity Driven Refuges for Semi-Arid Vertebrates
15:50	15:55			Luke Emerson, Flinders Uni Taxonomic shake-up, conservation wake-up: rethinking research and management priorities for greater gliders				Hugh McGregor, Nature Foundation Changes in arid zone bird communities in response to management and climate.
15:55	16:00							
16:00	16:05	Luke Smith, Depart of Energy, Environment and Climate Action Investigating the preferred fire regime of the threatened Pookila (Pseudomys novaehollandiae)	Matt Smith, UNSW Remote sensing reveals that kangaroos limit senescent vegetation accumulation on dryland reserves	Natalie Allen, UNSW Conserving the 'leafless' Bossiaea: a multifaceted, ecological approach to threatened species conservation	30mins discussion	Euan Ritchie, Deakin Uni Estimating density of a wide-ranging and vulnerable large carnivore population	Tom Hurley, Zoos South Aust Investigating the role of ex situ conservation for Mallee Emu-wren recovery	Thomas Munro, Federation Uni Coolabah / Black Box woodlands of NSW: Current status and future restoration
16:05	16:10							
16:10	16:15			Ariana La Porte, Monash Uni Heat and poor habitat reduce nestling condition and survival in purple-crowned fairy-wrens				Sacha Jellinek, Uni of Melbourne Landscape scale restoration to manage riparian areas and bird communities
16:15	16:20	Jemma McCrossin, E2M Fire and low grazing favour native species in Australian savanna ground layer	Cassia Paragnani, SA Arid Lands Landscape Board Creating partnerships, tackling the 'wicked' issue of overabundant macropods			Geoffrey Heard, TERN A pilot Threatened Reptile Index for Australia	Christopher Lowe, Central Qld Uni Cyclical Drivers of Predation in a Nearshore Fish Community	
16:20	16:25							
16:25	16:30							Arielle Perkett, UNSW Seeing the forest from the trees: reconsidering the value of lone trees.
16:30	16:35	Panel Discussion - Partnerships & Relationships Dr Samantha Lloyd, Dr Graham Moore, Kirstin Abley, Luke Smith	Vincent Knowles, Uni of Melbourne Behavioural ecology of overabundant Cape Barren Geese in an agricultural landscape	David Taggart, Uni of Adelaide Body Condition, drought and declining reproduction in the semi-arid, southern hairy-nosed wombat	Open Forum: role of NGOs 2.2.5		Meg Farmer, Deakin Uni The population dynamics of Long-nosed Potoroo during a feral cat eradication program	Charlotte Billinghamurst, UNSW Heavy metal hyperaccumulators, can we predict which Australian plants enhance mine remediation?
16:35	16:40		Mei-ting Magic Kao, Uni of Sydney How bats socialise and communicate while living in the city.					Hannah Bannister, UNSW Does fragmented farmland provide useful habitat for mammals?
16:40	16:45		20mins discussion	Tahneal Hawke, UNSW Weathering Extremes: Platypus captures, diet, and health on Kangaroo Island				Katherine Moseby, UNSW Spectacular changes in a desert small mammal community after invasive predator exclusion
16:45	16:50				Michael Cornish, Aust Land Conservation Alliance The new SA Biodiversity Act, and lessons for environmental law reform		Lucy Clive, Nature Foundation, Establishing a robust population monitoring method for the endangered pygmy bluetongue lizard	Jason Taylor, Limestone Coast Landscape Board, Restoration of Karst Springs and Alkaline Fen in the Limestone Coast
16:50	16:55						Tessa Carella, Uni of Adelaide Providing insight into historical range of numbats using environmental DNA	
16:55	17:00						Alex Nankivell, Nature Foundation Bearded dragons perch to regulate temperature and communicate, balancing risks and benefits.	
17:00	17:05			Caitlin Rutherford 'Three years of kowaris at Arid Recovery'	Peat Leith, CSIRO Environmental Policy and Conservation in Australia			
17:05	17:10							
17:10	17:15							
17:15	17:20							

17:20	17:25	<i>Michael MacDonald Science into policy and practice at the RSPB</i>
17:25	17:30	
17:00	17:30	<p>Holsworth Scholarship Alumni Drinks (Riverbank Foyer)</p> <p>Dr Bill Holsworth is a renowned ecologist, mammalogist, wildlife biologist and philanthropist. In 1989 Bill and his wife Carol established the Holsworth Wildlife Research Endowment to fund grants to universities for postgraduate students in fauna and flora.</p>
17:30	18:00	<p>ESA2025 Queer Mixer (Regattas)</p> <p>Join us for an inclusive and vibrant Queer Mixer—a welcoming space for LGBTQI+ attendees and allies to connect, share stories, and build meaningful networks. Whether you’re here to meet new friends, find collaborators, or simply celebrate queer joy, this social event is for you. Expect a relaxed, affirming atmosphere with conversation that honours diversity, intersectionality, and the power of community. Allies are warmly invited—this is a chance to strengthen bonds, broaden perspectives, and champion inclusivity in our professional and personal lives.</p>
17:30	18:30	<p>ESA AGM (Gilbert Suite)</p>
18:00	18:30	<p>Movie Night - Proudly Sponsored by University of Melbourne (Hall C)</p> <p>The Cultural Incident Management Exercise (CIMX) is an Australian-first initiative led by the NSW Department of Climate Change, Energy, the Environment and Water (DCCEEW), in collaboration with seven Local Aboriginal Land Councils across Southeastern NSW. Developed in partnership with the NSW Rural Fire Service, National Parks and Wildlife Service, and Crown Lands, CIMX explores how critically important Aboriginal cultural knowledge can be respectfully and effectively communicated to government agencies during emergency events such as bushfires. This cross-agency, action-research project has been recognised with a NSW Resilient Australia Award, a prestigious honour managed by the NSW Reconstruction Authority in partnership with Australian Institute for Disaster Resilience (AIDR) and the National Emergency Management Agency (NEMA), celebrating innovation and collaboration in disaster resilience.</p> <p>A key output of the project is the CIMX documentary, which captures the voices, experiences, and shared commitment of all involved. The film serves as both a record and a catalyst; raising awareness, fostering shared responsibility, and promoting systemic change in how Aboriginal cultural heritage can be protected during emergencies. Following the award ceremony at NSW Parliament, CIMX will now represent New South Wales at the national Resilient Australia Awards in Canberra later this year, further amplifying its impact and potential to shape policy and practice across Australia.</p> <div></div>

WEDNESDAY 26 NOVEMBER

7:30	8:20	Registrations Open
8:20	8:30	Wednesday Welcome Professor Dieter Hochuli, ESA President Location: Hall C
8:30	8:50	Fireside Chat - The inside scoop on media, your surest way to reach the ear of the minister Katie Smith - Program Manager at the UoA hosted Wildlife Crime Hub (Facilitator) Clare Peddie - Science Journalist Jaana Dielenberg - Communication and Engagement Manager, Biodiversity Council Location: Hall C
8:50	9:30	Moderated Panel Discussion Lily van Eeden - Lecturer in Environmental Sciences, RMIT University Megan Evans - Senior Lecturer, Environmental Policy, University of NSW Dr Bek Christensen - Knowledge Broker - Nature-based Solutions, Nrm Regions Australia Location: Hall C
9:30	10:00	Presentation - Predator-prey interactions in the Anthropocene Eamonn Wooster - ESA Next Generation Award winner Postdoctoral Fellow, Charles Sturt University Location: Hall C

		Open Forum: Fire 3.1.C	What's Hot in Ecology? 3.1.2	Nature Positive Cities 3.1.34 Proudly Sponsored by Adelaide University 	Emerging Voices: Showcasing ESAs Early Career Ecologists 3.1.5	Systemic Conservation Planning at a Crossroads 3.1.67	Technological Innovation and Bridging the Gap to Real World Application 3.1.8	To Scale or not to Scale: Landscape Ecology in Australia 3.1.G
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite
		Session Chair: Michael McCarthy	Session Chair: Holly Kirk	Session Chair: Sarah Bekessy	Session Chair: Patrick Finnerty	Session Chair: Jason Higham	Session Chair: Alice Robbins	Session Chair: Benjamin Wagner
10:30	10:35	<i>Michael McCarthy, Uni of Melbourne A model for the relationship between pyrodiversity and biodiversity</i>	<i>Christopher Johnson, Griffith Uni Bridging the Divide: Why Road Ecology Research Must Shape Real- World Decisions</i>	<i>Prof Sarah Bekessy Nature Positive Cities</i>	<i>Dr Zoe Xirocostas, University of Technology, Sydney Handling the heat: Warming alone does not reduce alpine plant survival/reproduction</i>	<i>Nicole Hansen and Jason Higham, Depart Environment and Water Framing introduction: systemic conservation planning at a crossroads</i>	<i>David Guerin, Nature Drones Bold Innovations in Wildlife Conservation: Drones, AI, and Computer Vision</i>	<i>Benjamin Wagner and Craig Nitschke, Uni of Melbourne Landscape Ecology in Australia: a review and lookout</i>
10:35	10:40						<i>Alice Robbins, Uni of Tasmania NatureScan: Drone remote sensing for comprehensive biodiversity monitoring</i>	
10:40	10:45							
10:45	10:50	<i>Sarah McColl-Gausden, Uni of Melbourne Soil temperatures during post-harvesting regeneration burns: implications for post-fire regeneration</i>	<i>Kit Prendergast, UniSQ / Curtin / Dr Kit - Native Bee Conservation The crisis in Australian native bee conservation</i>	<i>Kaurna Representative A Kaurna perspective on natyre rich cities</i>	<i>Dr Pat Taggart, Bush Heritage Australia, Effect of conservation reserves for enhancing bird communities in arid environments</i>	<i>Megan Evans Bridging SCP with biodiversity policy and investment discourses</i>		<i>Dr Jeremy Johnson, Uni of Melbourne How fire syndromes help to understand and predict animal responses to pyrodiversity</i>
10:50	10:55							
10:55	11:00							
11:00	11:05	<i>Sarite Chaulagain, Uni of Melbourne Leveraging disparate datasets to reveal mammal responses to fire</i>	<i>Daniel Montesinos, James Cook Uni The real impacts of invasive weeds on threatened plant species.</i>	<i>Chris Daniels, Green Adelaide An Urban NRM Board: Supporting and enhancing urban ecology</i>	<i>Tessa Manning, Uni of Adelaide Reintroducing the red-tailed phascogale (Phascogale calura): insights from 20 years of translocations</i>	<i>Dan Rosauer, CSIRO A National Biodiversity Assessment System to support Australia's Nature Repair Market</i>	<i>Hayley Merigot, WSP Can drone surveys help protect raptor species from turbine strikes?</i>	
11:05	11:10	<i>Jamie Burton, Uni of Melbourne Quantifying litter bed flammability of cool temperate rainforests in eastern Australia</i>					<i>Lachlan Howell, Deakin Uni Testing automated kangaroo counts in thermal drone footage against conventional monitoring approaches</i>	<i>Dr Amanda Lo Cascio, Deakin Uni Fire mosaics influence the genetic diversity of two Australian bat species</i>
11:10	11:15	<i>Lily Wheeler, Uni of Melbourne Forecasting future fire impacts on mammal population persistence</i>						

11:15	11:20	Tom Le Breton, UNSW Fire management in threatened ecological communities: a case study in fragmented heath	Eric Nordberg, Uni of New England Developing conservoltaic systems to better support biodiversity on solar farms	Kirsten Parris, Uni of Melbourne Creating urban ponds to support freshwater biodiversity	Dr Ruby Stephens, Uni of NSW Making the renewable energy transition biodiversity friendly	Chuanji Yong, Uni WA How to stop sitting on the predator-proof fence — Value of Information			
11:20	11:25						Chiaki Yamato, UQ An innovative approach to obtain improved drone-based body length estimation of dugongs	Emily McIntyre, Uni of Melbourne Multi-scale processes shape the truffle-like fungal diet of the endangered Long-footed Potoroo	
11:25	11:30								
11:30	11:35	Grace Vielleux, Uni of Melbourne What drives animal responses to high-severity fire? The role of functional traits	Leanne Butterfield, Birdlab Flinders Uni Understanding environmental values is crucial for developing strategies for beach regulation compliance.	Jacinta Humphrey, ICON Science RMIT Designing for nature doesn't cost the Earth	Ned Ryan-Schofield, Bush Heritage Aust Reassessing abundance and distribution of Chestnut-breasted Whiteface — a threatened SA endemic	Frankie Cho, QUT Flexible climate adaptation can substantially reduce conservation costs and mitigate risk	Kirrily Pfitzner, DCEEW Monitoring the revegetation progress and plant health on Pit 1 at Ranger Uranium Mine using multitemporal high resolution satellite and drone data.	Elena Kaminskais, Uni of Melbourne Microclimatic heterogeneity modulates pollinator behavior in a changing climate	
11:35	11:40						Megan Anschau, QUT A semi-automated workflow for wildlife population modelling from remote sensing data		
11:40	11:45								
11:45	11:50	Facilitated discussion chaired by Holly Kirk		Prof Dieter Hochuli, Uni of Sydney Embracing the innocent monsters: reimagining conservation biology for nature-rich cities	Dr Patrick Finnerty, The Uni of Sydney, Urban rewilding to combat global biodiversity decline	Synthesis Discussion - Systemic conservation planning at a crossroads Jason Higham	Nicholas Wilson, ANU What are we missing? Interpreting sensor-based fuel, atmospheric and soil moisture data.	Upasana Sengupta, Ashoka Uni, India Living on the edge: understanding herbivory patterns in a fragmented landscape	
11:50	11:55			Monina Gilbey, Torgersen Gilbey Redefining Green: Golf Courses as Crucial Urban Ecological Havens in Australia	Marissa Hutchings, Flinders Uni Beyond sightings: Filling the gaps in Australia's killer whale (Orcinus orca) ecology				
11:55	12:00			SCatalina Mardones, RMIT Urban nature and migrant's wellbeing: a systematic review of benefits and barriers"			Courtney Morris, Uni of Adelaide. A new dimension: photogrammetry reveals microhabitat preferences in a threatened skink		
12:00	12:05			Fiona Hoegh-Guldberg, ICON Science RMIT Applying Nature-Water Design to improve outcomes for nature, water, and people.	Jack Bilby, Uni of NSW A synthesis of Australian dryland threatened mammals and future heat risk		Al Healy, Depart Environment, Tourism, Science and Innovation Rapid extraction of vegetation cover time series data using VegMachine		
12:05	12:10				Zarah Wessels, Monash Uni Conservation Ecology of Reptiles of the Norfolk Island Group				
12:10	12:15				Peregrin Reed, the Uni of Sydney Indirect turtle-nesting cues: The role of soil disturbance in predator foraging				
12:15	12:20			Special Lunch Workshop: Things you really need to know to optimize GNSS in the field Mr Peter Terrett, 4D Global Pty Ltd			Qingting Liao, Uni of Melbourne A Review of Biodiversity Impact Spatialisation Within and Beyond Life Cycle Assessment		
12:20	12:25								
12:25	12:30								
12:30	13:30								
12:30	13:30	LUNCH							
		Fire Ecology Fundamentals 3.2.C	Functional Biodiversity and Bold Insights from Plant-soil Ecology 3.2.2	Nature Positive Cities 3.2.34	Emerging Voices: Showcasing ESAs Early Career Ecologists 3.2.5	Systemic Conservation Planning at a Crossroads 3.2.67	Technological Innovation and Bridging the Gap to Real World Application 3.2.8	To Scale or not to Scale: Landscape Ecology in Australia 3.2.G	
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite	
		Session Chair: Pep Turner, Kirsten Abley	Session Chair: Anna Hopkins/Adam Frew	Session Chair: Sarah Bekessy	Session Chair: Patrick Finnerty	Session Chair: Jason Higham	Session Chair: Renee Piccolo	Session Chair: Benjamin Wagner	

13:30	13:35	Mohammed Alshehri, Uni of NSW Effect of Fire on Plant Community Diversity and Composition, Saudi Arabia	Camille Truong, Royal Botanic Gardens Vic Wildfires alter plant-soil feedbacks in a heathy-woodland – an experimental study	Ali Collins, Department of Infrastructure and Transport Planning for Nature-Positive Cities	Kelley Meehan, Uni of Qld The age of change: social aging in dolphins	Vanessa Westcott, Curtin Uni The impact of Indigenous leadership on a national conservation committee	Siddeswarsa Guru, UQ What’s in the TERN Shed: Bridging Material Collections and Digital Infrastructure	Mark Westoby, Uni of Melbourne Ecosystem states, transitions to the future, and nature positivity			
13:35	13:40	Marissa Blunden, Charles Sturt Uni Microbial fire scars: legacy effects after three decades of fire exclusion					Peter Terrett, 4D Global Recent innovations in GNSS - New technology provides exceptional value for mapping				
13:40	13:45	Jakub Wiecezkows, Uni of Edinburg Fire, flora, and function: ground-layer diversity and adaptations in fire-prone African ecosystems					Jo Morris, Aust Research Data Commons Empowering Earth and Environmental Research through National-Scale Data Infrastructure and FAIR Services				
13:45	13:50		James King, ANU Above and belowground responses to a future climate in the Australian sub-alpine	Holly Kirk, Curtin Uni The devil’s in the details: fine tuning design for biodiverse urban development	Dr Ella Plumanns Pouton, Center for Ecological Research and Forrestry Applications Wings of change: Can migratory birds help European plants track the climate?	Brydie Hill, NT Govt Integrating the Northern Territory perspective into a National Systematic Conservation Planning Approach	Renee Piccolo, UQ Wildlife Observatory of Australia (WildObs): Building a national wildlife camera-trap processing infrastructure	Dr Julian Schrader, Macquarie Uni Integrating genomic data and plant functional traits–towards a population viability-trait dimension			
13:50	13:55										
13:55	14:00	Joshua Burke, Deakin Uni Seasonal Variations to Plant Germination Following Anthropogenic Fire in a Heathy Woodland	Xin Han, Hawkesbury Institute Tree community assembly and ecological strategies along montane elevation gradients	Katherine Robertson, ICON Science RMIT Resolving the Conflict Between Infectious Disease and Beneficial Urban Nature	Nathan Michielsen, Uni of Adelaide Understanding the colonisation, establishment and impact of dingoes in Australia	Alice McGowan, NSW National Parks & Wildlife Services Zeroing in on habitat for threatened species conservation: A NPWS zero-extinctions commitment	James Nankivell, Uni of Adelaide Closing the gap in bycatch reporting of sea snakes in Western Australia	David Coleman, Macquarie Uni Trait coverage of important plant species at the continental scale			
14:00	14:05						Muhammad Kamran Afzal, Chinese Academy of Sciences A Multi-Task Deep Learning Framework for Robust Wildlife Monitoring				
14:05	14:10							Dr Michael Doherty, Eucryphia Botanical Consulting Recovery of Alpine Ash in Kosciuszko National Park after high severity fire	Genavieve Jurd, Uni of Sth Qld Fire effects on microbial and plant diversity in south-west Australian eucalypt forests	Catherine Gunawan, Uni of Sydney Biodiversity Potential of Informal Green Space Ecosystems in Western Sydney’s Railway Corridors	Holly Farnan, James Cook Uni Booked out bee hotels: competitors, not nest density, affect bee hotel occupancy
14:10	14:15										
14:15	14:20	Luke Florence, La Trobe Uni Underground Allies Under Threat: How Nitrogen and Drought Shape Mycorrhizal Fungal Communities	Joao Filipe, Edith Cowan Uni Integrating ecology and genetics to guide rare plant translocation in urban landscapes	Robin Rowland, Uni of Sunshine Coast Bats Are In The Building: Understanding Anthropogenic Roost Selection Through Habitat Models	Natarsha Mcpherson, Uni of Adelaide Mapping semi-fossorial mammal distributions using remote sensing and ecological modelling tools	Natalya Maitz, UQ Maximising the potential of an umbrella at the landscape scale	Elanor Hadfield, Uni of Sydney Evaluating BirdNET for post-disturbance monitoring of birds in a Key Biodiversity Area				
14:20	14:25							Elina Rittelmann-Woods, Murdoch Uni Towards a mechanistic understanding of woody plant diversity effects on carbon storage	Dr Katherine Horsfall, Uni of Melbourne Can recycled construction wastes support urban restoration efforts to enhance native biodiversity?	15mins Session wrap-up discussion	Dax Kellie, Atlas Of Living Australia, CSIRO A guide to writing good code for the busy scientist
14:25	14:30										
14:30	14:35										
14:35	14:40										
14:40	14:45	1Wing Man Siu, Uni of Melb The unseen intermediary: soil microbes influence interactions among native annuals	15mins Session wrap-up discussion	Dax Kellie, Atlas Of Living Australia, CSIRO A guide to writing good code for the busy scientist							
14:45	14:50										
14:50	14:55										
14:55	15:00										
15:00	15:30	AFTERNOON TEA									
		Fire Ecology Fundamentals 3.3.C	Functional Biodiversity and Bold Insights from Plant-soil Ecology 3.3.2	Nature Positive Cities 3.3.34	Emerging Voices: Showcasing ESAs Early Career Ecologists 3.3.5	Systemic Conservation Planning at a Crossroads 3.3.67	Technological Innovation and Bridging the Gap to Real World Application 3.3.8	To Scale or not to Scale: Landscape Ecology in Australia 3.3.G			
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite			

		Session Chair: Pep Turner, Kirstin Abley	Session Chair: Anna Hopkins, Adam Frew	Session Chair: Sarah Bekessy	Session Chair: Patrick Finnerty	Session Chair: Jason Higham	Session Chair: Dr Graeme Finlayson	Session Chair: Benjamin Wagner
15:30	15:35	Dr Elizabeth Tasker, DCCEEW (NSW) Impact of the 2019-20 fires on macropods: fire severity and predators matter	Martyna Kotowska, Macquarie Uni What do we know about root trait strategies in Australia's flora?	Sheryn Pitman, Green Adelaide DEW The colour of the night: wildlife-sensitive lighting	Niraj Meisuria, Uni of Sydney Carrian at the Crossroads: Reframing Carcasses in Disease Ecology	Julian Beaman, Flinders Uni Simulating success: applying forward-projection models of genetic rescue to bolster species resilience	Anna Christie, Flinders Uni Distance Defines Us: Determining Dolphin Group Membership Through Analysis of Interindividual Distances	Andrew Bennet, La Trobe Uni Has landscape ecology enhanced natural resource management?
15:35	15:40							
15:40	15:45							
15:45	15:50	Dr Nick Fitzgerald, Bush Heritage Aust Vegetation and mammal responses to prescribed burning in coastal heathland	Solomon Maerowitz-McMahan, Hawkesbury Institute Decoupled responses of mycorrhizal fungal communities and function to recurrent wildfire	Nerkez Opacin, RMIT Nature-Based Social Prescribing for Nature Positive Cities: Co-Creating Inclusive Ecologies in Melbourne	Bernard Wilson, Uni of Sydney Understanding how pre-hatching auditory cues in freshwater turtles increase predation risks	Andrew Colefax, Depart Environment, Tourism, Science & Innovation Threatened species trajectories from challenging data with a Bayesian state-space framework	John Read, Thylation More than just monitoring: Potential for edgeAI to improve adaptive conservation management	Anu Singh, Bush Heritage Aust Scaling natural capital assessments to inform landscape ecology and conservation in Australia
15:50	15:55						Isaac Humber, Titled Scientific Accelerated Ecology Surveys Using Cutting-Edge Deep Learning Techniques	
15:55	16:00							
16:00	16:05	Mark Cairns, Foundation for National Parks and Wildlife Reducing fire risk and building resilience with Fire Wise planting for biodiversity	Nicola Haggerty Mayers Plant functionality drives rhizosphere characteristics in a co-occurring forest ecosystem (SE NSW)	Sashini Perera, Macquarie Uni Enhancing Plant Resilience to Drought: The Role of Soil Additives and Provenance	Ann Nielsen, Uni of NSW Sediment Stabilisation in Seagrass Meadows: How Losing and Augmenting it Affects Restoration	Cath Dickson, Uni of Tas Enhancing decision making tools to support private land conservation in Tasmania	Oakleigh Wilson, Uni of Sunshine Coast From Prediction to Interpretation: Post-Processing to Refine Behavioural Classifications from Animal Accelerometry	Larissa Potter, Aust Wildlife Conservancy Snag in the plan: Challenges applying Conditioned Taste Aversion for landscape-scale conservation
16:05	16:10			Belinda McPhee, Uni of Melbourne Rolling meadows: comparing seed harvesting methods to extend native wildflower meadows				
16:10	16:15							
16:15	16:20	Andrew Sheath, National Parks and Wildlife Service Ecological burning to support Fleurieu Peninsula's heathlands.	Rebecca Greening, Uni of Adelaide A century without livestock shows soil microbes influence native plant establishment.	Daphne Willemsen, UNSW Native Real Estate: Mapping the Density of Tree Hollows in Sydney	Hannah Christensen, School of Life and Environmental Sciences, Uni of Sydney Who is top dog? Dingo scavenging and social dynamics at carcasses	Nicholas W. Carpenter, Monash Uni Using the Green Status of Ecosystems to measure Australian alpine peatland recovery	Christine Chivas, Macquarie Uni Exploring tropical Avian and Mammalian communities using mosquito iDNA	Claire Hartvigsen-Power, Northern and York Landscape Board Marna Banggara: restoring healthy ecosystems through fauna reintroductions
16:20	16:25							
16:25	16:30							
16:30	16:35	Felicity Charles, Uni of Qld Integrating satellite and on ground mapping to improve landscape scale fire histories	Lachlan Curran, UQ The S.A.T.E Framework of Phosphorus Cycling by Soil Bacteria and Archaea	Dr Cristina Hernandez-santin, RMIT Living Regeneratively: Housing Design That Enables Resident Agency in Ecological Restoration	Dr Olly Dove, Western Sydney Uni, Biohaven Islands: engaging and empowering citizen scientists.	Panel discussion: symposium synthesis and closing discussion	Lachlan J. Gretgrix, Agriculture Victoria Research Towards quantitative insect metabarcoding for ecosystem monitoring	Charlotte Rigolot, Uni of Newcastle Linking forest simulation and spatial explicit PVA to inform koala conservation management
16:35	16:40				Ebony Gatto, Zoos Victoria Non-Invasive Endocrine Monitoring: A New Era in Amphibian Welfare			
16:40	16:45				Thom Harvey, Uni of Adelaide Testing historic eDNA's potential for pre-European Australian mammal community and habitat reconstruction			
16:45	16:50	Prof Matthias Boer, Hawkesbury Institute for the Environment Seasonal Burned Area Forecasting in Australia Using Deep Learning	Jiahao Wen, Western Sydney Uni Impacts of soil P on arbuscular mycorrhizal fungi community among Sorghum bicolor	Zeno Porro, Institute of Biology, Freie Universität Berlin Social-ecological links among management, perception, environmental variables, and biodiversity at urban ponds	Joseph Jantke, Uni of Adelaide Investigating habitat selection, population dynamics, and the acoustic repertoire of the Kyloriny		Anne Ibbotson, Uni of Newcastle Why are they Croaking? Understanding Amphibian Fungal infections with Non-lethal Gene Expression	
16:50	16:55			Manjeet, Hawkesbury Institute Contrasting AM fungi prioritise defence and growth in sorghum battling charcoal rot	Hudson Browne, Uni of Adelaide The role of colour in Ctenophorus decresii: investigating two conflicting selective pressures			
16:55	17:00		Philippa Bell, Uni of Melbourne Enriching streetscape habitat for urban insects: A before-after-control-impact study in Melbourne, Australia	Davide Siclari, Hawkesbury Institute of the Environment Crown-dieback of urban trees reflects species-specific sensitivity to drought and				
17:00	17:05							
17:05	17:10							
17:10	17:15							
17:15	17:20			Mark Lethbridge, Uni of SQ Translocated population viability guided by a genetic model: Magurnda clivicola case study.				
							Paul Nevill, Curtin Uni eDNA on the go: Fixed and vehicle mounted airborne eDNA sampling	

17:20	17:25	<div>Species diversity, resiliency and heat stress</div>	
17:25	17:30		<div>Gabriel Suso, DCEEW QIIMERA: An Extensible Bioinformatics Toolbox with Graphical User Interface for End-to-end eDNA Amplicon Analysis</div>
18:30	22:00	<div>CONFERENCE DINNER (Regattas)</div> <div><i>Ticketed event</i></div> <p>Celebrate the ESA conference in style at our Conference Dinner, held at the picturesque Regattas Lawn at the Adelaide Convention Centre. Nestled along the banks of the River Torrens and framed by city lights and lush parklands, Regattas Lawn offers a stunning open-air setting that blends natural beauty with the elegance of a riverside venue.</p> <p>Enjoy a relaxed evening of fine food, local wine, and great company under the stars. The evening will feature a seasonal menu showcasing South Australia's outstanding produce, with vegetarian and sustainably sourced options in keeping with the conference's commitment to ethical dining.</p> <p>Whether you're reconnecting with old friends or meeting new colleagues, the Conference Dinner promises a warm, festive atmosphere with plenty of opportunities to celebrate the collective spirit of the ecological community. Join us for a night of laughter, connection, and celebration in one of Adelaide's most iconic outdoor spaces.</p>	

Thursday 27 November

8:00	8:50	Registrations Open						
8:50	9:00	Thursday Welcome Dr Holly Kirk - Senior Research Fellow, Curtin University Location: Hall C						
9:00	9:30	Keynote Presentation: Mobilising private land conservation to secure Australia's ecological future Jody Gunn, CEO, Australian Land Conservation Alliance Location: Hall C						
9:30	10:05	Keynote Presentation Dr Phillippa McCormack, Future Making Fellow and DECRA Fellow, Environment Institute, University of Adelaide Location: Hall C						
10:05	10:30	MORNING TEA						
		Adaptive Management for Vertebrate Pest Control 4.1.C	Emerging Voices: Showcasing ESAs Early Career Ecologists 4.1.2	Using Emergency Interventions During Extreme Weather to Save Threatened Species 4.1.34	Open Forum: Ecology and Society 4.1.5	Community Centred Conservation to Repair Large Landscapes 4.1.67	Open Forum: Climate Change 4.1.8	Open Forum: conservation planning 4.1.G
		Hall C	Riverbank Room 2	Riverbank Rooms 3 & 4	Riverbank Room 5	Riverbank Rooms 6 & 7	Riverbank Room 8	Gilbert Suite
		Session Chair: Graeme Finlayson	Session Chair: Patrick Finnerty	Session Chair: Gunnar Keppel	Session Chair: Vicki-Jo Russell	Session Chair: Christopher Pocknee	Session Chair: Don Driscoll	Session Chair: Pete Lyon
10:30	10:35	<i>Judy Dunlop, Curtin Uni Too much to lose: Predicting cane toad impacts on Pilbara biodiversity</i>	<i>Emily Simpson, Uni of Sydney Resilience or collapse? Vegetation recovery following compound disturbance events</i>	<i>Hugh Possingham, UQ Catatstrophes drive most extinctions; how can we prepare?</i>	<i>Rhiannon Bird, UQ Environmental variables, functional traits and biodiversity of invertebrate communities in potato fields</i>	<i>Margaret Robertson, Gondwana Link Environmental narratives and the case for community perspectives in landscape restoration INVITED SPEAKER</i>	<i>Pieter Arnold, ANU Resilience and sensitivity of Australian native plants to increasing heat load</i>	<i>Vihanga Gunadasa, Uni of Sydney A stepwise data-driven framework for forecasting ecological time series</i>
10:35	10:40							
10:40	10:45							
10:45	10:50	<i>Tim Dempster, Deakin Uni Stopping cane toads invading the Pilbara by building the Toad Containment Zone</i>	<i>Elliot Gould, Uni of Melbourne Adaptive Preregistration: Boosting Reproducibility and Transparency in Ecological Modelling</i>	<i>Allison Broad, UNI of Wollongong Emergency intervention strategies for the Critically Endangered Fitzroy Falls Spiny Crayfish (Euastacus dharawalus) under extreme climate events</i>	<i>Zaib Ullah, Deakin Uni Plastic Bottles as Emerging Ecological Traps for Beach Macroinvertebrates: Experimental Evidence</i>	<i>Emma Ligtermoet, CSIRO 'Bright spots' in large landscape restoration initiatives: insights for embedding just governance</i>	<i>Jane Catford, ANU Plant invasions and environmental change drive biodiversity loss in grasslands worldwide</i>	<i>Alison O'Donnell, CSIRO Environment Developing a consistent and adaptable approach to state-and-transition modelling for Australian ecosystems</i>
10:50	10:55							
10:55	11:00							
11:00	11:05	<i>Ashlyn Austin, Uni of SA Towards Non-lethal Fox Control: Development of Synthetic Conditioned Odour Aversion Bait</i>	<i>Wessel Mulder, Uni of Adelaide Trait-mediated responses of Danish bird communities to five decades of global change</i>	<i>Phillipa McCormack Governing Emergency Interventions</i>	<i>Annabel Ellis, Uni of Sydney Backyard Bandicoots: an ecological history of human-wildlife interactions in New South Wales</i>	<i>Sophie Bickford, Biolinks Alliance Integrating community, science and collaboration for large-scale ecological repair in central Victoria</i>	<i>Lisa Danzey Uni of Technology Sydney Do elevated night-time temperatures during heatwaves help or hinder sub-alpine plant communities?</i>	<i>Adam McKeown, CSIRO Calibration of Koala transect data</i>
11:05	11:10							
11:10	11:15							
11:15	11:20	<i>Reece Pedler, Uni of NSW Learning by doing in real time: facilitating bilby coexistence with feral cats</i>	<i>Belinda Linnegar, Griffith Uni How ecological data are shedding light on emerging zoonosis</i>	<i>Jacqui Diggins, Terrain NRM From Reaction to Resilience: Planning for Natural Capital in a Changing Climate</i>	<i>Erik Alonso Brust, Uni of Melbourne Biosecurity assessment of a novel industry: Insects as food and feed</i>	<i>Jim Underwood and Keith Bradby, Gondwana Link Achieving transformative change with community at its heart</i>	<i>Nic Delnevo, DBCA Future-proofing flora: Genomic insights for climate adaptation in Southwest Australia</i>	<i>Payal Bal, DCCEEW Linking spatial distribution of threats, threatened biodiversity and traits to inform management</i>
11:20	11:25				<i>Takayasu Charles Amano, Nagasaki Uni Wintering Strategies Shaped by Land Use: Barn Swallows and Australian-Origin Welcome Swallows</i>			

13:50	14:15	Presentation - ESA Gold Medal Award Winner 2024 Dr Suzanne Prober Location: Hall C
14:15	14:45	Announcement of Prizes and Awards Location: Hall C
14:45	-	Conference Close

