



SER BRISBANE 
AUSTRALASIA September 25-28 **2018**

Program at a glance



Program



Sponsors:



Organising Institutions:



Trade Organisations:



Thank you



Welcome to Delegates of SERA 2018

Never before in the earth's geological history have global ecosystems, species and humans themselves been so challenged. By the end of this earth day, another 200,000 mouths will need to be fed. Each night, 870 million people go to bed hungry. We now challenge the environment and our remnant wild nature more than ever.

Importantly we use resources at 50% the rate that the planet can sustain.

The world we face is one that is daunting indeed – a world without nature, natural resources and a world which will become increasingly difficult for us to live in. We only need to look at the biodiversity hotspots in the Australasian region to realise that all these regions are in a rapid and precipitous decline in their natural values – New Zealand alone now contains more weed species than native species with another 2000 'sleeper weeds' in home gardens.

But we are all here because we have a shared belief in a planet where the combined intellectual and creative capacity of humans is harnessed to restore nature, natural capital and by extension, our ability to live in a future world replete with nature.

Ecological restoration represents a response to the way we have changed the planet. As a science, practice and activity touching the lives of so many people worldwide ecological restoration represents major new scientific, industry and community challenges. Champions of industry now laud repair and restoration of ecosystems as part and parcel of doing business with one resource company CEO recently saying, *"Our business is only as good as our restoration"*.

But the journey has just begun and we have much to do. This does not mean we 'lower the bar' on our restoration prospects otherwise we are selling nature short. For all of us attending the conference and beyond, we need to encourage our future stakeholders – our students who will become restoration scientists, our communities who will be the guardians of future nature and our rich indigenous cultures who are custodians of so many important ecosystems.

So in conclusion, enjoy your time here in Queensland and Brisbane and the warm hospitality of our hosts. Importantly without the professionalism and dedication of the organisers, particularly the local team, a conference of this breadth and depth would not have been possible. I know I extend from the participants and the Board of SERA a sincere vote of thanks for a job done superbly.

Kingsley Dixon

Chair, Society for Ecological Restoration Australasia (SERA)

Welcome Message

Venue

The venue of SERA2018 is the Hawken Engineering Building at The University of Queensland (UQ), St Lucia, Brisbane.



Venue

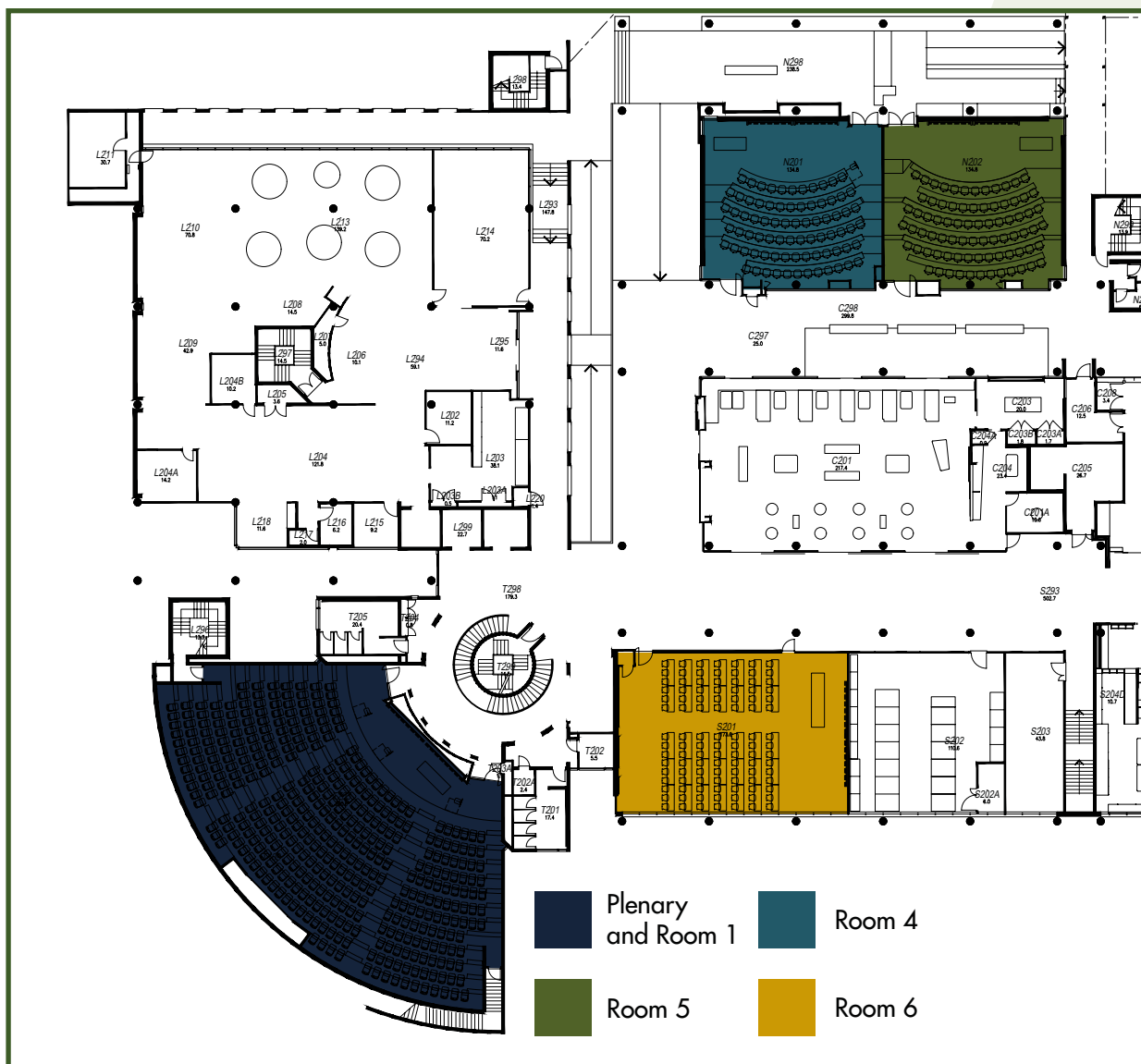
Hawken Engineering Building

Level 1



Hawken Engineering Building

Level 2



Conference staff will be available at the registration desk for all registered delegates to collect their conference materials. The registration desk will be located at the entrance of the Hawken Engineering Building.

Venue

Sunday 23 Sep	Monday 24 Sep	Tuesday 25 Sep	Wednesday 26 Sep	Thursday 27 Sep	Sunday 23 Sep
8:00am					
Registration					
Keynote sessions Room 1 (T203)					
Welcome to Country & Conference Opening		Bruce Pascoe		Associate Professor Daniel Laughlin	
Professor Jakkı Mohr		Gerry Turpin		Linda Bell	
Professor David Lindenmayer		Professor Bruce Clarkson		Professor Kerrie Wilson	
Morning Tea					
Dr Maksym Polyakov		Dr Fangyuan Hua		Dr Linda Broadhurst	
Dr Tein McDonald		Dr Sarah Frios-Torres		Dr Paul Gibson-Roy	
Lunch Natural Amphitheatre					
Concurrent sessions					
Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	Room 6 (S201)
Symposium Session Ecological Restoration Practice in the North-East NSW (Mike Delaney, Tein McDonald)	Open Session 1 Riparian and Coastal Wetland Restoration	Open Session 7 Indigenous Values in Restoration	Symposium Session Expanding the Restoration Toolkit (Luke Shoo, Valerie Hegger)	Open Session 8 Monitoring and Trajectory	Workshop Session Theory and Practice in Species Conservation Restoration PART 1
Big Scrub in the North-East NSW (Mike Delaney, Tein McDonald)	Symposium Session Adaptive Coastal Restoration - Responding to Change and Implementing Management (Jemma Purandare)	Open Session 2 Indigenous Values in Restoration	Symposium Session Eco-Engineering Solutions and Enhancement Technologies to Combat Land Degradation (Todd Erickson)	Open Session 5 Dimensions of Restoration	Workshop Session Theory and Practice in Species Conservation Restoration PART 2
90 mins	90 mins	90 mins	90 mins	90 mins	90 mins
Afternoon Tea					
Concurrent sessions					
Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	Room 6 (S201)
Symposium Session Ecological Engineering - Are Farm Trails a Useful Indicator of Restoration of Restoration Targets? (Jarrah Willis, Jen Finn)	Symposium Session Community-Based Ecological Restoration in the Tropics (Robert Fisher)	Symposium Session Seed Enablement, Technology and Genetics	Open Session 9 Open Session 10 Seed Enablement, Technology and Genetics	Symposium Session Mine Waste Rehabilitation for Ecological Sustainability Industry Perspectives (Longbin Huang)	Workshop Session Theory and Practice in Species Conservation Restoration PART 2
Symposium Session Ecological Engineering - Are Farm Trails a Useful Indicator of Restoration of Restoration Targets? (Jarrah Willis, Jen Finn)	Symposium Session Community-Based Ecological Restoration in the Tropics (Robert Fisher)	Open Session 9 Seed Enablement, Technology and Genetics	Open Session 10 Seed Enablement, Technology and Genetics	Symposium Session Mine Waste Rehabilitation for Ecological Sustainability Industry Perspectives (Longbin Huang)	Workshop Session Theory and Practice in Species Conservation Restoration PART 2
90 mins	90 mins	90 mins	90 mins	90 mins	90 mins
Conference Field Trips					
Conference Closing Room 1 (T203)					
4:30pm					
4:45pm					
Early Career and Student Function Room 7 (C207)					
Poster and Trades Session Room 7 (C207)					
SERA Annual General Meeting (current members) Saint Lucy Cafe, UQ St Lucia					
7:00pm					
Conference Dinner and Restoration Awards Ceremony Hillstone St Lucia					

Program

Tuesday 25 September

08:00 - 09:00	Delegate Registration					
09:00 - 10:30	Opening Plenary Room 1 (T203)					
09:00 - 09:20	Conference Welcome					
09:20 - 09:30	Welcome to Country					
09:30 - 10:00	Professor Jakki Mohr: Challenges in innovation in ecological restoration: Data from the U.S.					
10:00 - 10:30	Professor David Lindenmayer: Key lessons from long-term research for restoration and integrating conservation and agricultural production					
Chair	Kingsley Dixon					
10:30 - 11:00	Morning Tea Break					
11:00 - 12:00	Plenary 2					
11:00 - 11:30	Dr Maksym Polyakov: Thinking differently about restoration: economists' perspective					
11:30 - 12:00	Dr Tein McDonald: How the National Restoration Standards' affirmation of native ecosystems as references can strengthen SERA's function as a broad church					
Chair	Kingsley Dixon					
12:00 - 13:00	Lunch Break					
13:00 - 14:30	Symposium Session Ecological Restoration Practice in the Big Scrub in North-East NSW	Open Session 1 Riparian and Coastal Wetland Restoration	Symposium Session The Multidisciplinary Aspects of Successful Mine Site Rehabilitation	Symposium Session Novel Techniques and Applications for Restoration Monitoring	Open Session 2 Social Dimensions of Restoration	Workshop Session Theory and Practice in Species Modelling for Conservation Restoration PART 1
Breakout session 1 90 mins						
Room	Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	Room 6 (S201)
Organiser	Mike Delaney and Tein McDonald		Marit Kragt	Paul Nevill		Sean Tomlinson
Chair	Mike Delaney and Tein McDonald	Valerie Hagger	Maksym Polyakov	Paul Nevill and Mieke van der Heyde	TBA	
13:00 - 13:15	Saving the Big Scrub Mike Delaney	Evolution of a riparian restoration project: stabilisation and revegetation of the Damian Leeding Foreshore Marjolein "Mars" Oram	Introduction: Mine site rehabilitation - an interdisciplinary approach Marit Kragt	DNA metabarcoding - a new approach to fauna monitoring in mine site restoration Paul Nevill	Engaging schools and the community in riparian restoration - a Wilsons River case study Georgina Jones	Theory and Practice in Species Modelling for Conservation Restoration PART 1
13:15 - 13:30	Recovery processes underpinning rainforest restoration in the Big Scrub Tein McDonald	Reef Aid: restoration of wetlands and gullies in priority catchments to improve water quality in the Great Barrier Reef Lynise Wearne	The new standards for improving mine site restoration Kingsley Dixon	Assessing the use of metabarcoding to monitor mine site restoration Mieke van der Heyde	Pest Free Auckland - enabling community-led conservation Brett Butland	<i>*Please note that participants will need to bring their own laptop to this session, onto which they have pre-loaded the statistics package to be used in the workshop. The statistics package and workshop data are available on the SERA website, and installation instructions are included in the workshop booklet. Macintosh users are recommended to either use Parallels, or bring a Windows machine.</i>
13:30 - 13:45	Camphor conversion to rainforest: restoration of mixed rainforest and camphor laurel patches to lowland rainforest case study Dan Cox	Case study of avifaunal diversity of wetlands in industrial and non-industrial areas, Vadodara, Gujarat, India Jagruati Rathod	Why is designing effective and efficient policies for mine rehabilitation proving to be so hard? Ben White	Automated monitoring of seedling emergence and early mortality from drone imagery Todd Buters	Rehabilitating Roe 8: a standard approach to a not so standard restoration project Tom Atkinson	
13:45 - 14:00	Wanganui Gorge ecological restoration - a ten year case study in rainforest restoration in a biodiversity hotspot Ian Stych	Implementing strategic coastal wetland restoration on a catchment scale Duncan Rayner	Economics to the rescue: non-market valuation of mine site rehabilitation Marit Kragt	Using UAV-based Lidar to assess forest structural attributes for monitoring of restoration plantings Nicolò Camarretta	When the funding finishes - continuing conservation efforts through community connections Samantha Colbran	
14:00 - 14:15	Big Scrub - making a vision of genetically appropriate seed production areas a reality Tony Parkes	Restoring coastal wetland water quality: ecosystem service provisioning by a native freshwater bivalve Christina Buelow	The global knowledge base on the social aspects of mine closure Sarah Holcombe	Using invertebrate DNA (IDNA) metabarcoding to track restoration trajectories of arthropods across two mine site chronosequences Kristen Fernandes	Six years and \$250,000 - what a community group learnt from implementing a major project Suzanne Pritchard	
14:15 - 14:30	Facilitated questions	Remediation of legacy acid sulfate soil disturbance: East Trinity case study Michelle Martens	A risk-based framework for completion criteria development for mine closure planning in Western Australia Renee Young	Facilitated questions	How ecological restoration can help facilitate a nature conservation culture Todd Dudley	
14:30 - 15:00	Afternoon Tea Break					

Program

Tuesday 25 September (cont)

15:00 - 16:30 Breakout session 2 90 mins	Open Session 3 Aquatic Systems Restoration	Open Session 4 Soil and Soil Biota	Open Session 5 Mine Site Restoration Monitoring	Open Session 6 Social Dimensions of Restoration (cont.) and Science Communication	Workshop Session Theory and Practice in Species Modelling for Conservation Restoration PART 2	
Room	Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	Room 6 (S201)
Organiser						Sean Tomlinson
Chair		Lynise Wearne	Alison Ritchie	Peter Erskine	Tein McDonald	
15:00 - 15:15	Recreating wallum wetland habitat for threatened 'acid' frog species Ed Meyer	Walking to scale up soil restoration by cyanobacterisation in drylands Yolanda Canton	Measuring the recovery of coal mine rehabilitation following fire in Queensland using remote sensing and ground surveys Phil McKenna	The capacity of restored urban forests to support native birds: Ecological or social restoration? Elizabeth Elliot-Hogg	Theory and Practice in Species Modelling for Conservation Restoration PART 2	
15:15 - 15:30	Integrated solutions for ecological restoration and management of tropical freshwater swamp forest Yixiong Cai	Artificially-constructed depressions provide insights into the role of soil disturbing animals in the recovery of degraded drylands David Eldridge	Developing objectives and completion criteria for post-mine landforms following silica sand mining Andrew Butler	Connecting restoration science, policy and industry: lessons from the WA Biodiversity Science Institute Guy Boggs	*Please note that participants will need to bring their own laptop to this session, onto which they have pre-loaded the statistics package to be used in the workshop. The statistics package and workshop data are available on the SERA website, and installation instructions are included in the workshop booklet. Macintosh users are recommended to either use Parallels, or bring a Windows machine.	
15:30 - 15:45	Trialing stream rehabilitation tools to attenuate high nitrate loads in agricultural headwaters Brandon C. Goeller	Geochemical and mineralogical factors limiting soil structure formation in magnetite iron ore tailings Songlin Wu	Using data from drones to derive restoration targets for Ranger Uranium Mine Mitchel Rudge	Using the YouTube platform to promote Gondwana Link eco-restoration Basil Schur		
15:45 - 16:00	Reverting the Brisbane River Estuary from brown to blue Jesper Nielsen	A question of time; Mycorrhizal community change along a restoration trajectory Vicky McGimpsey	Monitoring understorey from UAV-derived data: a review and future directions for monitoring ecosystem restoration Lorna Hernandez Santin	Creek Heroes' are winning the battle in the City of Onkaparinga urban watercourse restoration project Nikola Manos		
16:00 - 16:15	Using Hooded Plovers to promote restoration of lake foreshores in WA's Great Southern Basil Schur	Microbial Biobanking: Cyanobacteria-rich topsoil facilitates mine rehabilitation Wendy Williams	Assessing understorey vegetation diversity of savanna woodland to inform mine-site restoration in Kakadu National Park Jaylen Nicholson	RegenTV - a new way to share stories about restoration Virginia Bear		
16:15 - 16:30	The Mokoan Project: The ecological renewal of an ephemeral wetland system in North-east Victoria Lisa Farnsworth					
16:45 - 18:45	Early Career and Student Function Room C207					
19:00 - 20:30	SERA Annual General Meeting (current members only) Saint Lucy Caffe, UQ St Lucia					

Program

Wednesday 26 September

07:20 - 08:30

UQ Guided Restoration Walk hosted by the Society for Conservation Biology

08:00 - 09:00

Delegate Registration

09:00 - 10:30
Plenary 3

Opening Plenary
Room 1 (T203)

09:00 - 09:30

Bruce Pascoe: Slow food: The arc of taste

09:30 - 10:00

Gerry Turpin: Working with Indigenous biocultural knowledge in natural resource management

10:00 - 10:30

Professor Bruce Clarkson: Balancing the science and politics of an urban ecological restoration project

Chair

Vern Newton

10:30 - 11:00

Morning Tea Break

11:00 - 12:00
Plenary 4

11:00 - 11:30

Dr Fangyuan Hua: Understanding potential synergies and trade-offs between biodiversity and ecosystem services to inform forest restoration strategies

11:30 - 12:00

Dr Sarah Frias-Torres: Restoring the coral reefs of the future

Chair

Vern Newton

12:00 - 13:00

Lunch Break

13:00 - 14:30
Breakout
session 1
90 mins

Symposium Session
Adaptive Coastal
Restoration -
Responding to Change
and Implementing
Management

Open Session 7
Indigenous Values in
Restoration

Symposium Session
Emerging Eco-Engineering
Solutions and Seed
Enhancement
Technologies to Combat
Land Degradation

Symposium Session
Expanding the
Restoration Toolkit

Open Session 8
Monitoring and
Trajectory

Workshop Session
Using the National
Standard's Recovery
Wheel at Your Site:
A Participatory Workshop
PART 1

Room

Room 1 (T203)

Room 2 (T103)

Room 3 (T105)

Room 4 (N201)

Room 5 (N202)

Room 6 (S201)

Organiser

Jemma Purandare

Gerry Turpin

Todd Erickson

Luke Shoo and Valerie Hagger

Tein McDonald

Chair

Jemma Purandare

Gerry Turpin

Todd Erickson and Jason Stevens

Luke Shoo and Valerie Hagger

Nicholas Dickinson

13:00 - 13:15

Introduction: Coastal restoration in
Australia and the Coastal Restoration
Network
Jemma Purandare

Restoring tree cover in the
Ramsar-listed Koorangie marshes
through an indigenous partnership
Damien Cook

Introduction: The science
underpinning Western Australian
restoration programs... and beyond
Jason Stevens

Introduction: Expanding the
restoration toolkit
Luke Shoo

Responses of fauna to mine site
restoration
Sophie Cross

Using the National Standard's
Recovery Wheel at Your Site: a
Participatory Workshop
Facilitators: Tein McDonald,
Paul Gibson-Roy, Jen Ford and
Damien Cook

13:15 - 13:30

Sexual restoration on coral reefs
Peter Harrison

Acoustic recording to monitor bird
song after aerial 1080 operation
from an indigenous Maori
perspective
Richard Whitehira

Recent advancements in
restoration-engineering and seed
enhancement technologies for use in
land rehabilitation
Todd Erickson

Conservation orientated restoration -
rescuing threatened plant species by
restoring their environments and
restoring environments using
threatened plant species
Sergei Volis

Defining the parameters of
successful bush regeneration
outcomes
Brendan Stephen

13:30 - 13:45

Reinventing the wheel: The use of
the Standards and Recovery Wheel
for marine and coastal restoration
projects
Adam Smith

Investigation on proximate and
underlying causes of deforestation
to identify remedial measures
(Case study: Ywangan Township,
Shan State, Myanmar)
Phyu Phyu Lwin

Seed ecology supports and enhances
restoration practices
Shane Turner

Using traits to learn lessons from
sub-optimal restoration outcomes
John Dwyer

Monitoring plant survival in
revegetated agricultural landscapes
Sacha Jellinek

13:45 - 14:00

Can bivalve habitat restoration
improve degraded estuaries?
Ian McLeod

Community solutions to
rehabilitating seabird breeding
habitat on Big Island (Boairdoong),
Five Islands Nature Reserve
Rowena Morris

Innovative seed technologies for
restoration in a biodiversity hotspot
Alison Ritchie

Use of seasonal forecasting to
manage weather risk in ecological
restoration
Valerie Hagger

Spatio-temporal analysis of savanna
woody cover to drive closure criteria
for Ranger Uranium Mine
Tim Whiteside

14:00 - 14:15

Coastal wetland fish nursery function
in an agricultural dominated river
catchment - 20 years of
management investment
Nathan Waltham

Forest gardens are a financially-sound
land rehabilitation model
Kamal Melvani

Innovative nature-based strategies
for dryland restoration: The potential
of indigenous cyanobacteria
Mirian Munoz-Rojas

Restore and Renew: Large scale
evolutionary, environmental and
ecological information in support of
restoration practices
Maurizio Rossetto

Seedling growth responses to
species, neighbourhood and
landscape scale effects during
tropical forest restoration
Lachlan Charles

14:15 - 14:30

Panel discussion: Crossing the divide
between theoretical and applied: The
value of science informing
management
Moderator: Jemma Purandare,
including all speakers, Susie
Chapman, and Mark Read

Restoration engineering solutions to
direct seeding problems guided by
practitioner perceptions and seed
requirements
Monte Masarei

Smart allocation of restoration funds
Luke Shoo

14:30 - 15:00

Afternoon Tea Break

Program

Wednesday 26 September (cont)

15:00 - 16:30 Breakout session 2 90 mins	Symposium Session From Small to Large Scale Marine Coastal Restoration	Symposium Session Community-Based Ecological Restoration in the Tropics	Open Session 9 Seed Enablement, Technology and Genetics	Open Session 10 Databases, Tools, Methods and Technology	Symposium Session Mine Waste Rehabilitation for Ecological Sustainability- Industry Perspectives	Workshop Session Issues in Monitoring Restoration
Room	Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	Room 6 (S201)
Organiser	Phoebe Stewart-Sinclair	Robert Fisher			Longbin Huang	Paul Nevill
Chair	Phoebe Stewart-Sinclair and Elisa Bayraktarov	Robert Fisher	Alison Ritchie	Renee Young	Longbin Huang, David Parry and Jason Stevens	
15:00 - 15:15	Introduction Phoebe Stewart-Sinclair	Social landscape and community capacity are important considerations in the design of community-based ecological restoration John Herbohn	The past, present and future of the native seed market in Europe Simone Pedrini	The case for a closer look at constructed wetlands for mine water treatment in Queensland Dominique Taylor	Introduction: Current frontiers of the closure and rehabilitation of mine wastes - Industrial needs shape R&D direction Longbin Huang	Issues in Monitoring Restoration
15:15 - 15:30	Marine coastal restoration of the last 45 years - objectives, successes, costs and scales Elisa Bayraktarov	Community-based native seed production for restoration in Brazil Danilo Ignacio de Urzedo	Addressing Kunzea robusta (kAnuka) direct seeding constraints in New Zealand Ana Magalhaes Teixeira	Soil imprinting combined with an artificial soil crusting agent dramatically increases broadcast seed emergence Mark Dobrowolski	Challenges of mine waste rehabilitation: From environmental quality to ecological sustainability David Parry	
15:30 - 15:45	How to restore a coral reef: When bigger is better Sarah Frias-Torres	Leading and lagging impact indicators for evaluation and adaptive management of forest restoration Liz Ota	Some results of research on the quality of native plant seeds collected from an arid zone of Mongolia Altantsetseg Balt	Global map on the ecological uncertainty of forest landscape restoration success Renato Crouzeilles	Results from nine years of continuous monitoring of the ecosystem restoration of a waste rock landform at Ranger uranium mine, Northern Territory Ping Lu	
15:45 - 16:00	Title TBC Simon Reeves	Designing effective community -based ecological restoration: The case of ACIAR Forest Restoration Project in the Philippines Nestor Gregorio	Capturing genetic diversity for ecological restoration through seed collecting Martien van der Merwe	Mapping reconstructed plant community types in cleared areas of NSW Adam Roff	Waste rock rehabilitation of magnetite-Fe ore mine under dry land conditions - plant establishment consideration Jason Stevens	
16:00 - 16:15	Social and ecological challenges and new directions in seagrass restoration John Statton	Ecological restoration and negotiated landscapes: Case studies from Asia William Jackson	Choosing appropriate seed sources: The importance of environment, genetics and demography for predicting restoration outcomes Melinda Pickup	Determining restoration potential of livestock grazed Mediterranean shrublands using fenced grazing exlosures Zoe Poulsen	Bauxite residues rehabilitation - environmental challenges and ecological expectation under subtropical Conditions Anja Urban	
16:15 - 16:30	Restoration of coastal ecosystems and Blue Carbon Catherine Lovelock	Facilitated questions		The new Index of Biodiversity Surveys for Assessments improves access to Western Australian biodiversity information Mike Young	Facilitated questions	
16:45 - 18:45	Poster and Trades Session Room C207					

Program

Thursday 27 September

08:00 - 09:00	Delegate Registration					
09:00 - 10:30 Plenary 5	Opening Plenary Room 1 (T203)					
09:00 - 09:30	Associate Professor Daniel Laughlin: Are historical reference conditions an ecological fairy tale, or are they more relevant than ever?					
09:30 - 10:00	Linda Bell: Transferring theory into practice – how hard can it be? Lessons from Saving our Species Program.					
10:00 - 10:30 Chair	Professor Kerrie Wilson: Better decision making in ecological restoration Bruce Clarkson					
10:30 - 11:00	Morning Tea Break					
11:00 - 12:00 Plenary 6						
11:00 - 11:30	Dr Linda Broadhurst: How genetics can influence long term restoration outcomes					
11:30 - 12:00 Chair	Dr Paul Gibson-Roy: Native seed production 'farming for restoration supply': Lessons from local and US sectors Bruce Clarkson					
12:00 - 13:00	Lunch Break					
13:00 - 14:30 Breakout session 1 60 mins	Open Session 11 Threatened Species Conservation	Open Session 12 Restoration in a Changing Climate	Symposium Session Seagrass Restoration Network: A New Community of Research and Practice	Symposium Session Native Seed for Restoration, Challenges and Opportunities	Open Session 13 Returning Ecosystem Function	
Room	Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)	Room 5 (N202)	
Organiser			Elizabeth Sinclair	Simone Pedrini		
Chair	TBC	Renee Young	Elizabeth Sinclair and John Statton	Kingsley Dixon	Nicholas Dickinson	
13:00 - 13:15	Germination, cultivation and ex situ conservation of an extremely rare palm endemic to New Caledonia Pierre Loslier	Achieving multiple benefits in ecological restoration for biodiversity conservation and carbon sequestration Valerie Hagger	Introduction: Seagrass Restoration Network: A new SER community building confidence in seagrass restoration John Statton	Introduction: The International Network for Seed Based Restoration Kingsley Dixon	Urban forest restoration has opposing indirect effects on litter decomposition and no effect on denitrification Kiri Joy Wallace	
13:15 - 13:30	Balancing acts: Staged restoration of endangered species habitat in the Brickpit, Sydney Olympic Park 2006-2018 Jenny O'Meara	Local provenancing in subtropical rainforest restoration: For better or worse? A review of practitioners' perspectives Sally L Cooper	Understanding the tropical seagrass seed story for improved seagrass restoration Emma Jackson	Status of the Australian native seed sector: Results of a nationwide survey Paul Gibson Roy	How rapidly do litter decomposition and decomposer invertebrates return during rainforest restoration on disused pastures? Marisa Stone	
13:30 - 13:45	Maximising ecological restoration outcomes through threatened species management programs Jen Ford	Integrating climate change and local adaptation to inform species and provenance choice for woodland restoration Peter Harrison	Recruitment facilitation to rehabilitate lost <i>Amphibolis antarctica</i> in South Australia Jason Tanner	Optimisation of seed coating technology to native grasses Simone Pedrini	The recovery of functional diversity with restoration Sophie Hale	
13:45 - 14:00	Bungawalbin Catchment endangered emu conservation through habitat enhancement, vertebrate pest control and community engagement Paul O'Connor	Model for integrated peatland restoration in Indonesia: A study from Ular Serapat Grahame Applegate	Tackling a global problem - developing seagrass restoration methods for boat mooring scars Elizabeth Sinclair	A Protocol Development Tool for native seed coating Khiraj Bhalsing	Direct seeding to restore drooping Sheoak Grassy Woodlands on Dakalanta Wildlife Sanctuary, Eyre Peninsula, South Australia James Walsh	
14:00 - 14:15	How did we go? A genetic analysis of the <i>Gossia gonocladia</i> Recovery Program Laura Simmons	Addressing Indonesia's haze crisis through a multi-sector, interdisciplinary program based on accurate primary data field-research Laura Graham	Spreading the seeds of change: Optimising community engagement efforts to improve seagrass restoration Lana Kajlich	Resolving dormancy in difficult-to-germinate Australian Ericaceae Michael Just	Coordinated recovery planning for threatened woodlands Hannah Fraser	
14:15 - 14:30			Developing the steps required for the effective use of seed in seagrass restoration John Statton	Facilitated questions		
14:30 - 15:00	Afternoon Tea Break					

Program

Thursday 27 September (cont)

15:00 - 16:30 Breakout session 2 60 mins	Symposium Session Trait-Based Ecological Engineering – Are Plant Traits a Useful Indicator of Restoration Targets?	Open Session 14 Scaling Up Restoration	Open Session 15 Marine Restoration	Open Session 16 Mine Site Restoration		
Room	Room 1 (T203)	Room 2 (T103)	Room 3 (T105)	Room 4 (N201)		
Organiser	Jarrah Wills and Jennifer Firn					
Chair	Mimi McGivran	Bruno Fogliani	Phoebe Stewart-Sinclair	Peter Erskine		
15:00 - 15:15	Introduction: Theoretical understanding of global patterns plant traits Angela Moles	Scaling up - Is it possible or an ongoing aspiration? Jen Ford	Operation crayweed: Restoration of underwater forests Alexandra Campbell	Tailings dam rehabilitation - A new perspective Carmen Castor		
15:15 - 15:30	Leaf nutrients, not specific leaf area, are consistent functional indicators of short-term environmental change in grasslands Jennifer Firn	Large scale restoration at small scale costs in Southwest Western Australia Glen Steven	From little things, big things can grow back again: Pumicestone Shellfish Habitat Restoration Project Susie Chapman	Establishing self-sustaining ecological mine rehabilitation that achieves recognised ecological communities Travis Peake		
15:30 - 15:45	Plant ecological strategies and restoration: How functional traits shape community assembly, structure and diversity Robert Kooyman	Scaling up reforestation: Lessons learnt from three different reforestation approaches in Myanmar Thaung Naing Oo	The feasibility and first steps of restoring Australia's disappearing Giant Kelp (<i>Macrocystis pyrifera</i>) forests Cayne Layton	Thirty years of ecological restoration of mining-degraded areas in New Caledonia: Synthesis and production of success indicator Hamid Amir		
15:45 - 16:00	Do leaf traits reflect ecosystem processes useful for tropical reforestation? Jarrah Wills	Leverage trust-based partnerships to implement stream restoration at scale: A CAREX case study Catherine Febria	Bleaching mitigation and restoration of Micronesian Staghorn Acropora Laurie Raymundo	From Remediation to Ecological Engineering: The Paradigm Shift in Concepts and Technology of Tailings Rehabilitation Longbin Huang		
16:00 - 16:15	Seed size: Crucial in the dynamics and practice of tropical forest restoration? Carla Catterall	Upscaling best practice: A 300 ha dry shrubland restoration within an irrigated farm landscape matrix Nicholas Dickinson	Habitat restoration or creation - A feasibility assessment for reuse of dredged marine sediment Kevin Kane	Thirty years of ecological restoration of mining-degraded areas in New Caledonia: Comparative analysis and recommendations Bruno Fogliani		
16:15 - 16:30	Trait-based species assemblages for ecological restoration in a changing world Daniel Laughlin	Applying the SERA Standards to large-scale restoration in Gondwana Link (South-Western Australia) - challenges and approaches Barry Heydenrych	A diagnosis of institutional readiness to implement mangrove forest landscape restoration in Indonesia Benjamin Brown	Long-term research supports a reduced fertilizer application rate for mine site forest restoration in South West Australia Andrew Grigg		
16:30 - 17:00	Official Conference Closing Room 1 (T203)					
19:00 - 23:00	Conference Dinner and Restoration Awards Ceremony Offsite Venue: Hillstone St Lucia					

Friday 28 September

08:00 - 17:00	Conference Field Trips Meeting point: Bus set down at the Athletics Centre (Playing Fields 7), on the corner of Sir William MacGregor Drive and Campbell Road, UQ at 7:30am for a 8:00am departure.
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AUSTRALASIA September 25-28 **2018**

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