



# ENVIRONMENTAL MANAGEMENT

## CONFERENCE PROGRAM 14 - 16 JUNE 2023



*Dusty Road Imagery*

Major Sponsor:



[www.gemg.org.au](http://www.gemg.org.au)

**Registration and Welcome Function  
TUESDAY 13 June, 18:00 - 20:00**

Goldfields Arts Centre  
Sponsored by:



**GEMG Conference 2023 Day One  
WEDNESDAY 14 JUNE**

Goldfields Arts Centre  
Sponsored by:



07:30 - 08:00	Coffee and Registrations
08:00 - 08:10	Welcoming Remarks by GEMG Chairperson and Welcome to Country
08:10 - 08:30	Opening Address
08:30 - 08:35	Welcoming Remarks by Major Sponsor Ecologia Environment
<b>Session 1</b>	
08:35 - 08:45	50 years of greening the Goldfields, <i>P. Osborne KBULG</i>
08:45 - 09:05	Strength in Partnerships – an indigenous land management perspective and learning from outcomes, <i>M. Noronha, South Metropolitan TAFE</i>
09:05 - 09:25	Aboriginal Cultural Heritage Act 2021, <i>DPLH</i>
09:25 - 09:40	Questions
09:40 - 10:10	Morning Tea
<b>Session 2</b>	
10:10 - 10:30	Using Advanced Technology to Preserve Cultural Heritage, <i>M. Lootz, S. Cooke, J. Vial &amp; S. Hazeldon, Fortescue Metals Group</i>
10:30 - 10:50	Use of Drones to Support Mine Closure Execution, <i>S. Chambers &amp; K. Brocx, Stantec Australia</i>
10:50 - 11:10	Using remote sensing classification to complement botanical surveys, <i>J. Atkinson, T. Kovacs-Ledo &amp; R. Archibald, Astron Environmental Services</i>
11:10 - 11:30	AI for rehabilitation monitoring: A four-year case study, <i>C. Mounsey, Spectrum Ecology &amp; Spatial &amp; E. Wink, Newcrest Mining</i>
11:30 - 11:50	Stantec in the Sky: Environmental assessments using drones, <i>R. Somaweera, Stantec Australia</i>
11:50 - 12:10	Questions
12:10 - 12:15	Day Sponsor Introduction by Stantec
12:15 - 13:15	Lunch
<b>Session 3</b>	
13:15 - 13:35	A case study: approaches and challenges for cumulative impact assessment, <i>E. Molloy, Umwelt Environmental and Social Consultants</i>
13:35 - 13:55	Experiences in Environmental Impact Monitoring: What Can We Do Better? <i>L. Duncan &amp; N. Banning, Stantec Australia</i>
13:55 - 14:15	What do you mean there are other approvals I need? <i>J. Hyams, MBS Environmental</i>
14:15 - 14:35	The other side of the desk: Key insights and shortfalls to avoid when preparing a Mining Proposal, <i>L. Copeland, DMIRS</i>
14:35 - 14:55	Questions
14:55 - 15:25	Afternoon Tea
<b>Session 4</b>	
15:25 - 15:45	Understanding the inundation patterns of salt lakes: A novel approach, <i>E. Thomas, D. Kinnear &amp; F. Taukulis, Stantec Australia</i>
15:45 - 16:05	Should exploration environmental management standards and rehabilitation be the same on salt lakes as it is on land? <i>B. Bastow &amp; V. Morrison, Integrate Sustainability</i>
16:05 - 16:50	Ethics, decision making, governance, <i>B. Bastow, Integrate Sustainability &amp; V. Sekizovic Calibre Group</i>
16:50 - 16:55	Closing Remarks

Presentations may be subject to change

**Sundowner Networking Function  
WEDNESDAY 14 June, 17:30 - 22:00**

WASM Graduates Hall, Sponsored by:



# Workshop Day Two THURSDAY 15 June

Goldfields Art Centre, *Sponsored by:*



07:30 - 08:00	Coffee and Registrations	
08:00 - 08:05	Welcoming Remarks by Day Sponsor Northern Star Resources	
<b>Session 1</b>		
08:05 - 08:25	Communicating scientific information – can we do it better? <i>V. Sekizovic, Calibre Group &amp; B. Bastow</i>	
08:25 - 08:45	Environmental and community management during Willowdale Bauxite Mine relocation, <i>B. Miles, R. Beales &amp; S. Hansen, Alcoa of Australia</i>	
08:45 - 09:05	Application of hyperspectral remote sensing data to environmental monitoring, <i>K. Wouters, T. Kovacs-Ledo S. Hao &amp; J. Manninen, Astron Environmental</i>	
09:05 - 09:25	Questions	
09:25 - 09:55	Morning Tea	
<b>Session 2</b>		
09:55 - 10:15	Adaptive seed management for rehabilitation planning in the Western Australian Goldfields, <i>B. Smedley, S. Gregory &amp; S. Mackenzie, Mine Earth</i>	Spot the difference, <i>C. Buters, Ecologia Environment</i>
10:15 - 10:35	Mine closure and relinquishment: time for a new way of working, <i>C. Mangan, Mineral Resources Limited &amp; S. Manik, Dendra Systems</i>	Feral cat management, <i>C. Lohr, D. Algar, K. Nilsson, A. Johnson, N. Hamilton &amp; M. Onus, DBCA</i>
10:35 - 10:55	Implementing Mining Cultural Landscapes post Mine Closure through the National Geotourism Strategy, <i>A. Robinson, Australian Geoscience Council Inc</i>	Feral cats - mining and the lost opportunities, <i>S. Thompson &amp; G. Thompson Terrestrial Ecosystems</i>
10:55 - 11:15	Questions	Questions
11:15 - 11:20	Change Over	
11:20 - 11:40	Increasing landform stability through the addition of armouring elements, <i>C. Lison, Landloch</i>	Ecology and conservation of significant butterflies <i>O. subterrestris petrina</i> and <i>J. aridus</i> , <i>L. Petersen, R. Eastwood &amp; A. Jacks, Phoenix Environmental Sciences</i>
11:40 - 12:00	Future directions in rehabilitation monitoring in Western Australia, <i>B. McMillan, N. Banning &amp; D. Kinnear, Stantec Australia</i>	Swan Lake: Managing Wildlife Interactions at the Super Pit, <i>S. Cameron, Northern Star Resources</i>
12:00 - 12:20	Lessons learnt from six years of progressive rehabilitation at Telfer, <i>E. Smedley &amp; S. Mackenzie, Mine Earth Pty Ltd &amp; P. Richardson, E. Wink &amp; B. Stokes, Newcrest Mining</i>	Wildlife animal ethics in WA – policy and implementation failure, <i>G. Thompson &amp; S. Thompson, Terrestrial Ecosystems</i>
12:20 - 12:40	Questions	Questions
12:40 - 13:40	Lunch	
<b>Session 3</b>		
13:40 - 14:00	Do your fish glow? The new NORM in Mining, <i>L. Crawley &amp; M. North MBS Environmental</i>	
14:00 - 14:20	Contaminated Site Audits – What’s the Benefit? <i>S. Coleman, Australian Environmental Auditors</i>	
14:20 - 14:40	Abandonment issues – addressing risk in the Kimberley, <i>T. Read, DMIRS</i>	
14:40 - 15:00	Questions	
15:00 - 15:20	Catchphrases and Buzzwords, <i>A. Mack, Talis Consultants</i>	
15:20 - 16:05	Panel - <i>Andrew Mack, Wayne Astill, Helen Chernoff</i>	
16:05 - 16:10	Closing Remarks	

Presentations may be subject to change

## Dinner Function THURSDAY 15 June, 18:00 - late

KBRC Bookmakers Ring, *Sponsored by:*



**GOLD FIELDS**

**Workshop Day Three  
FRIDAY 16 June**

Goldfields Art Centre, *Sponsored by:*



08:30 - 09:00	Coffee and Registrations
09:00 - 09:05	Welcoming Remarks by Day Sponsor Astill Consultants
<b>Session 1</b>	
09:05 - 09:25	Navigating Carbon Language and Concepts, <i>K. Sherry, RPM Global</i>
09:25 - 09:45	Assessing impacts of extreme weather on mine closure planning, <i>E. Castelblanco, M Papenfus, C. Roberts, SLR Consulting</i>
09:45 - 10:05	Small Beginnings, Big Plans: Moving to 100% renewable energy in mining at Gold Fields, <i>A. Shelton, Gold Fields Australia</i>
10:05 - 10:25	Questions
10:25 - 10:55	Morning Tea
<b>Session 2</b>	
10:55 - 11:15	Test Your Limits – Limitations of Geochemical Test Work Programs, <i>A. Botfield, Environmental Geochemistry International</i>
11:15 - 11:35	Lynas Transformational Mt Weld Tailings Journey, <i>Adam Cargill, Lynas Rare Earths</i>
11:35 - 11:55	From Arctic to Outback – Tailings Management at the Extremes, <i>K. Schumacher, Northern Star Resources</i>
11:55 - 12:15	WA TSFs are DMIRS and ANCOLD compliant – how about GISTM? <i>P. Moreno, SRK Consulting</i>
12:15 - 12:35	Questions
12:35 - 13:35	Lunch
<b>Session 3</b>	
13:35 - 13:55	Going Batty: Remote Monitoring Techniques to Meet Compliance Commitments, <i>K. Stanbury, E. Gibbens, J. Stuart &amp; T. Sprenkels, Atlas Iron</i>
13:55 - 14:15	Have you noticed its harder to maintain your environmental excellence today? <i>B. Dermody Aurora Environmental</i>
14:15 - 14:35	Now I'm an adult consultant, what has changed? <i>W. Astill &amp; S. Tiller, Astill Consultants</i>
14:35 - 14:55	Questions
14:55 - 15:00	Closing Remarks

Presentations may be subject to change

**SPONSORS**

**Clothing**



**Bag**



**Venue**



**Travel Cup**



**Marquee**



**Coffee**



Thank you to all our Sponsors, Members and Presenters for your continued support and attendance at yet another fantastic GEMG Conference.

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