GOLDFIELDS ENVIRONMENTAL MANAGEMENT GROUP

ENVIRONMENTAL MANAGEMENT

CONFERENCE PROGRAM
14 - 16 JUNE 2023

Major Sponsor:

ecologia ENVIRONMENT

www.gemg.org.au

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

Goldfields Arts Centre
Sponsored by: Native Vegetation Solutions

GEMG Conference 2023 Day One
WEDNESDAY 14 JUNE

Goldfields Arts Centre
Sponsored by: Stantec

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
	Session 1
08:35 - 08:45	50 years of greening the Goldfields, *P.Osborne KBULG*
08:45 - 09:05	A cultural shift – Joint Management in Western Australia and the Goldfields, *Matt Fossey, Department of Biodiversity, Conservation and Attractions*
09:05 - 09:25	Using Advanced Technology to Preserve Cultural Heritage, M. Lootz, S. Cooke & J. Vial, Fortescue Metals Group
09:25 - 09:40	Questions
09:40 - 10:20	Morning Tea
	Session 2
10:20 - 10:40	Use of Drones to Support Mine Closure Execution, *S. Chambers & K. Brocx, Stantec Australia*
10:40 - 11:00	Using remote sensing classification to complement botanical surveys, *J. Atkinson, T. Kovacs-Ledo, R. Archibald & K. McMaster, Astron Environmental Services*
11:00 - 11:20	AI for rehabilitation monitoring: A four-year case study, *C. Mounsey, Spectrum Ecology & Spatial & P. Richardson, Newcrest Mining*
11:20 - 11:40	PFAS in Mining – Where are we at? *J. Lumsden & S. Morrison, Senversa*
11:40 - 12:00	Questions
12:00 - 12:05	Day Sponsor Introduction by Stantec
12:05 - 13:15	Lunch
	Session 3
13:15 - 13:35	A case study: approaches and complexities for cumulative impact assessment, *E. Molloy, Umwelt Environmental and Social Consultants*
13:35 - 13:55	Experiences in Environmental Impact Monitoring: What Can We Do Better? *L. Duncan & N. Banning, Stantec Australia*
13:55 - 14:15	How many approvals? *J. Hyams, MBS Environmental*
14:15 - 14:35	The other side of the desk: Key insights and shortfalls to avoid when preparing a Mining Proposal, *L, Copeland, DMIRS*
14:35 - 14:55	Questions
14:55 - 15:25	Afternoon Tea
	Session 4
15:25 - 15:45	Understanding the inundation patterns of salt lakes: A novel approach, *E. Thomas, D. Kinnear & F. Taukulis, Stantec Australia*
15:45 - 16:05	Catchphrases and Buzzwords, *A Mack, Talis Consultants*
16:05 - 16:50	Panel Discussion - *Andrew Mack, Wayne Astill, Claire McGuire*
16:50 - 16:55	Closing Remarks

Presentations may be subject to change

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

Kalgoorlie Hotel, *Sponsored by:* MINE EARTH

Workshop Day Two
THURSDAY 15 June
Goldfields Art Centre, *Sponsored by:* NORTHERN STAR RESOURCES LIMITED

07:30 - 08:00	Coffee and Registrations	
08:00 - 08:05	Welcoming Remarks by Day Sponsor Northern Star Resources	
	Session 1	
08:05 - 08:25	Communicating scientific information – can we do it better? *V. Sekizovic, Calibre Group & B. Bastow*	
08:25 - 08:45	Environmental and community management during Willowdale Bauxite Mine relocation, *B. Miles, R. Beales & S. Hansen, Alcoa of Australia*	
08:45 - 09:05	Application of hyperspectral remote sensing data to environmental monitoring, *K. Wouters, T. Kovacs-Ledo, J. Manninen & S. A. Zadeh, Astron Environmental*	
09:05 - 09:25	Questions	
09:25 - 09:55	Morning Tea	
	Session 2	
09:55 - 10:15	Adaptive seed management for rehabilitation planning in the Western Australian Goldfields, *B. Smedley, S. Gregory & S. Mackenzie, Mine Earth & B. May, BHP Nickel West*	Spot the difference, *C. Buters, Ecologia Environment*
10:15 - 10:35	Mine closure and relinquishment: time for a new way of working, *A. Renwick, Mineral Resources Limited & S. Manik, Dendra Systems*	*Feral cat management, C. Lohr, D. Algar, K. Nilsson, A. Johnson, N. Hamilton & M. Onus, DBCA*
10:35 - 10:55	Implementing Mining Cultural Landscapes post Mine Closure through the National Geotourism Strategy, *A. Robinson, Australian Geoscience Council Inc*	Feral cats - mining and the lost opportunities, *S. Thompson & G. Thompson Terrestrial Ecosystems*
10:55 - 11:15	Questions	Questions
11:15 - 12:00	Lunch	
12:00 - 12:20	Increasing landform stability through the addition of armouring elements, *C. Lison, Landloch*	Ecology and conservation of significant butterflies *O. subterrestris petrina* and *J. aridus*, *L. Petersen, R. Eastwood & A. Jacks, Phoenix Environmental Sciences*
12:20 - 12:40	Future direction of rehabilitation monitoring in Western Australia, *B. McMillan, N. Banning & D. Kinnear, Stantec Australia*	Swan Lake: Managing Wildlife Interactions at the Super Pit, *S. Cameron, Northern Star Resources*
12:40 - 13:00	Lessons learnt from six years of progressive rehabilitation at Telfer, *E. Smedley & S. Mackenzie, Mine Earth Pty Ltd & P. Richardson, E. Wink & B. Stokes, Newcrest Mining*	Wildlife animal ethics in WA – policy and implementation failure, *G. Thompson & S. Thompson, Terrestrial Ecosystems*
13:00 - 13:20	Questions	Questions
13:20 - 13:40	Afternoon Tea	
	Session 3	
13:40 - 14:00	Will the fishies glow? The new NORM in Mining Assessments, *L. Crawley & M. North MBS Environmental*	
14:00 - 14:20	Contaminated Site Audits – What's the Benefit? *S. Coleman, Australian Environmental Auditors*	
14:20 - 14:40	Abandonment issues – addressing risk in the Kimberley, *T. Read, DMIRS*	
14:40 - 15:00	Questions	
15:00 - 15:20	Should exploration environmental management standards and rehabilitation be the same on salt lakes as it is on land? *B. Bastow & V. Morrison, Integrate Sustainability (ISPL)*	
15:20 - 16:05	Ethics, decision making, governance, *B. Bastow, ISPL & V. Sekizovic Calibre Group*	
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

Two-Up
$20 CASH required
All proceeds raised go to the Royal Flying Doctor Service

Workshop Day Three
FRIDAY 16 June

Goldfields Art Centre, *Sponsored by:* astill consultants

08:30 - 09:00	Coffee and Registrations
09:00 - 09:05	Welcoming Remarks by Day Sponsor Astill Consultants
	Session 1
09:05 - 09:25	Navigating Carbon Language and Concepts, *K. Sherry, RPM Global*
09:25 - 09:45	Assessing impacts of extreme weather on mine closure planning, *E. Castelblanco, M Papenfus, C. Roberts, SLR Consulting*
09:45 - 10:05	Small Beginnings, Big Plans: Moving to 100% renewable energy in mining at Gold Fields, *S. Kristy, Gold Fields Australia*
10:05 - 10:25	Questions
10:25 - 10:55	Morning Tea
	Session 2
10:55 - 11:15	Test Your Limits – Limitations of Geochemical Test Work Programs, *A. Botfield, Environmental Geochemistry International*
11:15 - 11:35	Lynas Transformational Mt Weld Tailings Journey, *Adam Cargill, Lynas Rare Earths*
11:35 - 11:55	From Arctic to Outback –Tailings Management at the Extremes, *K. Schumacher, Northern Star Resources*
11:55 - 12:15	WA TSFs are DMIRS and ANCOLD compliant – how about GISTM? *P. Moreno, SRK Consulting*
12:15 - 12:35	Questions
12:35 - 13:35	Lunch
	Session 3
13:35 - 13:55	Inside the four walls - studying a model colony of Pilbara leaf-nosed bat. *Jayden O'Brien, Fortescue Metals Group*
13:55 - 14:15	Have you noticed its harder to maintain your environmental excellence today? *B. Dermody Aurora Environmental*
14:15 - 14:35	Now I'm an ~~adult~~ consultant, what has changed? *W. Astill & S. Tiller, Astill Consultants*
14:35 - 14:55	Questions
14:55 - 15:00	Closing Remarks
15:00 - 15:30	Afternoon Tea

Presentations may be subject to change

SPONSORS

Clothing talis consultants

Bag Lynas Rare Earths

Venue City of Kalgoorlie Boulder

Travel Cup Norton Gold Fields PTY LTD

Marquee BURU REHAB

Coffee Mineral Resources

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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