AUSTRALIAN CENTRE FOR GEOMECHANICS

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MINE CLOSURE 2026

15–17 SEPTEMBER 2026 | SOFITEL MELBOURNE ON COLLINS MELBOURNE, AUSTRALIA

EVENT BROCHURE

The series of International Conferences on Mine Closure is a fixture on the calendars of many mining professionals, providing topical and high quality papers and presentations on a range of topics of immediate interest and relevance.

A key feature of the conference series is the diversity of disciplines and expertise that come together to focus on the pressing issues facing the mine closure community globally.

Earlybird registration ends 31 July 2026

CONFERENCE THEMES

- Stakeholders and communities
- Closure objectives and criteria
- Financing and cost estimation
- Relinquishment and legacy management
- Landform and engineering design
- Surface water and erosion control
- Ecosystem reconstruction
- Statutory compliance
- Contaminant remediation and impact management

Previous conferences have been held in:

2025 Luleå, Sweden
2024 Perth, Western Australia
2023 Reno, USA
2022 Brisbane, Australia
2021 Ulaanbaatar, Mongolia
2019 Perth, Western Australia

CONFERENCE CO-CHAIRS

Professor Andy Fourie
Professor of Civil & Mining Engineering and Program Director – Future Tails
The University of Western Australia

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Strategic Mine Closure Advisor

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University of Reading, UK

MON | 14 SEP	TUES | 15 SEP	WED | 16 SEP	THUR | 17 SEP	FRI | 18 SEP
People. Places. Possibilities. Workshop	Mine Closure 2026 | Melbourne, Australia			Executable Closure Plans Workshop
				Yallourn Mine Site Visit
Safe Closure and Reclamation for Tailings Storage Facilities Workshop		Conference Dinner		Hazelwood Rehabilitation Project Site Visit

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RECEIVED PAPERS*

KEYNOTE: Rehabilitation in context: why evolving criteria and land use expectations matter *L Commander, Alcoa of Australia, Australia*

KEYNOTE: TBA *M Gregson, Banjima Native Title Aboriginal Corporation, Australia*

KEYNOTE: TBA *L Scott-Irving, BHP, Australia*

Artificial-intelligence-enabled rehabilitation liability estimation: developing a simplified bond calculator for improved financial assurance *B Abbott, F Laylavi, Resources Victoria, Australia*

Indirect cost estimation and deviations from different closure plans *L Aguirre, I Godoy, B Osses, SRK Consulting, Chile*

Strategic monitoring of closure objectives associated with the closure of tailings storage facilities as defined through stakeholder engagement *A Allen, Klohn Crippen Berger, Australia; J Samuels, Stellenbosch University, South Africa*

The challenges of identifying, quantifying and managing transferrable residual risks *SH Anderson, B Maybee, Curtin University, Australia*

Geotechnical and hydrological challenges associated with reclamation activities on a steep slope in a post-nickel-mining area *C Andrianto, D Aryanda, H Ilhami, SR Arif, H Alimuddin, MF Muttaqi, Vale, Indonesia*

The cost of delay: financial consequences of deferred mining lease relinquishment *N Archer, IEMA, Australia*

Environmental impacts of deep-sea mining: a comprehensive review of regulatory frameworks and ecological risks *AD Ashby, Bushmead Environmental Consultants, Australia*

Legal perspectives on deep-sea mining: International Seabed Authority governance and closure gaps, with lessons from Australia *AD Ashby, Bushmead Environmental Consultants, Australia*

Validation of revised universal soil loss equation parameters based on aerial imagery of gully formation lengths: a case study in Central Queensland *M Atukunda, O Hawes, M Curtis, Egis, Australia*

Geochemical predictions and closure planning implications for repossessing legacy tailings at the old tailings storage facility complex, South Deep mine, South Africa *A Baker, VOD Moodley, SLR Consulting, South Africa*

Evaluating soil cover treatments for mine slope rehabilitation: early vegetation responses on a tailings storage facility at Oyu Tolgoi, Southern Gobi, Mongolia *A Balt, B Altantuya, T Oyun-Erdene, M Munkhzorig, M Lkhagvasuren, Oyu Tolgoi LLC, Mongolia; U Dagdandorj, D Shaamii, Ulzii Environmental LLC, Mongolia; D Batsuuri, T Sarangerel, S Tulganyam, Oyu Tolgoi LLC, Mongolia*

Simulation of cover stability on a slope containing a sub-layer of low hydraulic permeability *T Baumgartl, Future Regions Research Centre, Federation University Australia, Australia; Q Shao, Julius Kruttschnitt Mineral Research Centre, The University of Queensland, Australia; V Filipovic, The University of Queensland, Australia*

A risk-based approach to managing wave-induced foreshore erosion in a pit lake *P Bicknell, M Thomson, Alluvium Consulting, Australia*

From guidance to governance in developing and operationalising an integrated closure framework for a global mining portfolio *B Boshrouyeh, Stantec, Australia; D Blaxland, Gold Fields Australia, Australia; J Mantey, Gold Fields Ghana, Ghana; W Weinig, Stantec, Australia*

More than economics: building psychological, social and cultural capital in communities to support transition to the next use of a former mine site *M Bowen, FuturesPlanner, Australia; S Finucane, Pershke Consulting, Australia; D Godden, FuturesPlanner, Australia*

Land tenure options to facilitate post-mining land use *N Brown, F McKenzie, The University of Western Australia, and CRC TiME, Australia*

Bridging the guidance gap: a structured method for cross-jurisdictional adoption of mine closure frameworks in New Zealand *L Bryce, C Dodge, P Weber, Green Road Group, Australia*

Dirt, design and downpours: the Maules Creek coal mine case study *E Bulkeley, Whitehaven Coal, Australia*

The role of creative practice in mine closure and transition *K Bush, RMIT University, Australia; J Hess, NSFW Productions, Australia; P Gibson, ARC Yinnar Artist Run Initiative, Australia; S Sabrinskas, Gippsland Climate Change Network, Australia*

Predicting ash settlement magnitudes and timing at the Hazelwood mine in-pit ash retention facility to support mine closure *J Butler, YS Xue, Civil Mine & Quarry, Australia; J Missen, P Truden, J Lowe, Hazelwood Power, Australia*

Engineering geomorphology to inform rehabilitation design: a Yallourn case study *I Chan, TD Sullivan, T Nash, PSM, Australia; L Tatnell, EnergyAustralia, Australia*

Comparative performance of Bauxsol and lime in acid mine drainage prevention from reactive waste rock for sustainable mine closure: a Canadian case study *M Cherif, B Plante, L Coudert, Research Institute on Mines and the Environment, University of Quebec at Abitibi Temiscamingue, Canada; M Prieto-Espinoza, Polytechnique Montreal, Canada; JÉ Guérin, Rio Tinto, Canada*

Case study: geotechnical considerations for the conceptual littoral zone design supporting mine closure at the Ekati Mine Pigeon Pit *C Clayton, N Blacklock, G Koop, M Estrada, Tetra Tech, Canada*

Case study: arctic mine closure and the Meadowbank mine dyke decommissioning study *C Clayton, N Blacklock, G Koop, Tetra Tech, Canada; A Lavallee, Agnico Eagle Mines, Canada*

Designing for the long-term: a risk-based approach to stormwater management at mine closure *S Cleven, Alluvium Consulting, Australia*

A multi-criteria methodological approach for the evaluation of future land use alternatives: application to mined areas *CF Coelho Pereira Lima, GA Santana Aragão, M dos Santos Reis, Pimenta de Ávila Consultoria, Brazil*

Good Samaritan remediation of abandoned hardrock mines program in the USA *JS Collyard, SLR Consulting, USA; D Hockey, United States Environmental Protection Agency, USA*

Evidence-gated mine lease relinquishment for New South Wales coal regions: process improvements for land transition and legacy hazard management *C Cooper, IEMA, Australia*

When 20 hectares costs one million dollars: why spatial integrity matters in mine rehabilitation reporting *L Cornish, C Malone, CocoTell, Australia*

From angles to amendments: learnings from field trials to improve rehabilitation practices *E Cowan, P Chester, R Wittkuhn, B Wood, Rio Tinto, Australia*

Asserting First Nations expectations on free, prior, and informed consent and co-management of mine closure: learnings from the Banjima People in Western Australia's Pilbara region *J Crosbie, Crosbie ESG, Australia; D Murphy, Murcox Post-Mining Services, Australia; M Gregson, J Dunne, Banjima Native Title Aboriginal Corporation, Australia*

Closure in design: a framework for embedding closure considerations early in mine development *R Crumpler, E Ryan-Reid, Rio Tinto, Australia*

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RECEIVED PAPERS*

Providing guidance for remediation planning through probabilistic modelling and multiple conceptual models *C Coulon, Bureau de Recherches Géologiques et Minières, France; J White, K Markovich, A Askar, L Beal, INTERA, USA; S Miller, INTERA, Australia; J Sigda, A Tinklenberg, C Ardito, INTERA, USA; M Uliana, INTERA, Australia*

Developing a collaborative closure vision: a stakeholder-driven approach in a Chilean mining operation *M Cubillos, Stantec, Chile*

The importance of governance and the creation of a committee for a progressive mine closure strategy *G Cunha, G Mendonça, A Nepomuceno, Kinross, Brazil; F Faria, A Granha, Verum Partners, Brazil*

Integrating value optimisation in mine closure planning: the critical step for enhancing outcomes *J Davitt, Worley, Australia*

Integrating progressive closure into the design of geotechnical mine structures *AC de Paula Matias, G Steluti Marques, M de Lourdes Melo, FA Ferrer da Silva, SRC Brant Pereira De Jesus, AT Castro Teixeira, Vale, Brazil; A Lauriano, A Soalheiro, GWS Engenharia, Brazil*

Capping design for 2 tailings storage facilities with unique geotechnical and regulatory challenges *D Dohle, ATC Williams, Australia*

Pathway to the development of time-varying and consequence-linked erosion completion criteria *S Dressler, WSP, Australia*

A review of practical aspects to implementing geomorphic landform design with Liddell Open Cut as a case study *S Dressler, WSP, Australia; CG Waygood, CG Landform Design, Australia*

Establishing trial batter studies to calibrate landscape evolution models for post-mining landform relinquishment *O Dudley, W Ludlow, W Carlisle, Y Ma, Red Earth Engineering – A Geosyntec Company, Australia*

Pilbara Rehabilitation Group: industry working together *L Duncan, Mineral Resources Limited, Australia; V de San Miguel, Hancock Iron Ore, Australia; P Chester, R Wittkuhn, Rio Tinto, Australia*

The opportunity to access carbon and nature repair markets on rehabilitated mined land *J Dunlop, LC Zappala, JA Purtill, Office of the Queensland Mine Rehabilitation Commissioner, Australia*

A pseudo 3D approach to predicting post-closure settlement in a tailings storage facility *J Eadie, M Bui, G Greening, ATC Williams, Australia*

Geotechnical considerations of lined tailings ponds for mine closure: tailings disposal facility #3 at the Pend Oreille mine as a case study *J Ejezie, Georensic Associates, USA*

Smart closure objectives and criteria: a benchmark recipe for success *J Erasmus, N Coetzer, E-TEK Consulting, South Africa*

Integrating natural capital, life cycle assessment and industrial ecology for enhanced mine closure outcomes in Australia *J Evers, Independent Consultant, Australia; J Davitt, Worley, Australia*

From plan to living instrument: operationalising Victoria's declared mine rehabilitation plan at Engie's Hazelwood site through risk-based closure *L Fallaw, L Chibnall, Grounded Resource Advisory, Australia; J Lowe, ENGIE, Australia*

The Rum Jungle Rehabilitation Project, Northern Territory, Australia: history and initial implementation *P Ferguson, SLR Consulting, Canada; D Jones, DR Jones Environmental Excellence, Australia; D OToole, I Harvey, F Egerton, SLR Consulting, Australia*

Waiting for the grey rhino to charge: closure liability and cognitive dissonance *K Ferguson, WSP, Canada; J Matthews, WSP, Australia; S Harmening, WSP, USA; C Ofsoske, WSP, Canada*

Sustainable post-mining cities: post-mining urban transformation towards sustainable spatial planning in the context of the global south *B Ghalih Wicaksono, R Sutriadi, Bandung Institute of Technology, Indonesia*

A statistical assessment of the applicability of agricultural soil targets to woodland habitat post-mining land use *S Green Goldberg, S Breslin, EGIS, Australia; P Berghofer, BHP, Australia; B Roddy, EGIS, Australia*

Groundwater modelling for mine closure planning *G Foley, A Shokri, GHD, Australia; R Gresswell, ERM, Japan; N Calabrese, AGL, Australia*

Mine closure in Colombia: the complexity of overlapping artisanal mining liabilities *JS Forero Zuluaga, S Martínez Aristizabal, F Forero García, F Correa Giraldo, SRK Consulting, Colombia*

Modelling the last flows before the first lift: pre-construction closure planning for a copper heap leach facility *B Forsyth, SRK Consulting, Australia; I Vega, SRK Consulting, Argentina; R Green, Rio Tinto, Australia; J Chapman, A Garvie, SRK Consulting, Australia; M Noel, SRK Consulting, Uruguay*

Oxygen ingress in mine waste: modelling, measurement, and design *J Fourie, J du Toit, B Usher, Klohn Crippen Berger, Australia*

Mount Bischoff mine: constructing a robust closure landform *B Freidman, M Ebrahimi, Okane Consultants, Australia; B Johnson, Okane Consultants, New Zealand; M O'Kane, Okane Consultants, Canada; B Dalton, Bluestone Mines Tasmania Joint Venture, Australia*

Mount Rawdon Gold Mine tailings storage facility cover system trials: a case study *P Garneau, ATC Williams, Australia; P Dielemans, P Wright, Evolution Mining, Australia; M Salt, ATC Williams, Australia*

Transferrable lessons from mine closure in the arctic to remote Australian mines *S Garrison, BGC Engineering, Canada; C Rouault, BGC Engineering, Australia; A Weber, BGC Engineering, Canada*

Internally draining rehabilitation: lessons from several decades of experience at Newlands Coal Mine *C Gimber, ERM, Australia; G Hancock, The University of Newcastle, Australia; C Bushell, N Baillieu, Glencore, Australia*

Planning and executing large-scale mine rehabilitation: the Newlands Coal Mine experience *C Gimber, C Mann, ERM, Australia; C Bushell, N Baillieu, Glencore, Australia*

From plan to practice: evidence-based verification of mine rehabilitation *C Gimber, ERM, Australia; C Foley, Glencore, Australia*

Monitoring with purpose: linking rehabilitation performance to completion criteria *S Gregory, E Wink, J Durbin, Mine Earth, Australia*

Risk-based mine closure in the Amazon *B Guimarães de Oliveira, S Holanda, S Malcher, Y Rossy, E Augusto, V Assis, Vale Base Metals, Brazil*

Geotechnical challenges for final landform: a case study at Werris Creek, New South Wales *G Guy, Encompass Mining, Australia; B Forrest, Whitehaven Coal, Australia*

Circular economy side streams accelerate ecosystem recovery on mine tailings in northern conditions *M Hagner, O Manninen, R Peltola, K Ranta, J Hietanen, M Uusitalo, Natural Resources Institute Finland, Finland*

A near-real-time early flood warning system for dam safety in Western Australia *J Hamilton, G Hookey, R Singleton, WSP, Australia; H Badrzadeh, BHP, Australia*

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RECEIVED PAPERS*

No pit left behind: closure pit water modelling at scale *T Harck, M Landers, RGS Environmental Consultants, Australia; P Nalecki, Energy & Water, Australia; D Faulkner, RGS Environmental Consultants, Australia*

From detonation to discharge: nitrate risks at mine closure *T Harck, D Faulkner, RGS Environmental Consultants, Australia*

Integrating catchment, waterway and environmental risk to support a pit lake closure strategy *R Hardie, A Sims, Alluvium Consulting, Australia*

Artificial intelligence for robust multi-criteria analysis in mine closure option assessment *E Hari, BHP, Australia*

A quantitative and practical method for prioritising contaminated sites to support mine closure planning *E Hari, P Brabham, R Mason, M Holland, BHP, Australia*

Quantifying rock stockpile infiltration for effective cover design: novel approaches to water management at the former Pitch uranium mine *M Hay, Arcadis, USA; G Zhan, D Wykoff, Barrick, USA; E Lundvall, D Silverman, Arcadis, USA; T Jackson, O Osores, Barrick, USA; A Brown, Barrick, Canada*

A comparison of east coast Australian rehabilitation planning statutory regimes *E Heffernan, J Bell, Mallesons, Australia*

Legacy matters: proactively managing risk for abandoned or unexpected mining environmental liabilities *E Heffernan, R Smith, J Moller, Mallesons, Australia*

The application of LiDAR and machine learning in managing historical mining features in Victoria, Australia *S Herley, C Riley, L Tran, L Goldie Divko, Resources Victoria, Australia; R Eid, Geoscience Australia, Australia; E Silver, L Dang, WSP, Australia*

Development of a progressive closure potentially acid generating management strategy at a coal mine in British Columbia, Canada *M Herrell, SRK Consulting, Canada; D Farmer, Telkwa Mining Limited, Canada*

Bio+Mine approach to mine closure monitoring *RJ Herrington, Natural History Museum, UK*

Using uncertainty analysis to determine a risk-based contingency for closure *P Hesketh, J Russell, M Ozbakir, ERM, UK*

Determining the vulnerability of asset retirement obligations across the mining sector *P Hesketh, ERM, UK*

The imperative of effective partnership for mining prosperity: re-imagining engagement *F Hinds, T Perera, L Johnston, L Boxill, Mining Impact Specialists Ltd, Canada*

Ecological engineering of nature-based soil–plant systems for rehabilitation of native woodlands on mined landscapes *L Huang, P Erskine, F You, Y Wang, Sustainable Minerals Institute, The University of Queensland, Australia; P Berghofer, T Mazucco, BHP, Australia*

Bridging the gap: evaluating the impact of mining regulations on community empowerment in post-mining transition – a case study of underground gold mining in Indonesia *R Ismiati, University of Indonesia, and Center of National Development and Knowledge, Indonesia*

Evaluating saturated water covers for limiting oxidation of tailings: a 25-year case study from Mount Lyell mine *L Jackson, F Johnson, R Koppelmann, GHD, Australia; G Cordery, K Young, A Spong, Sibanye Stillwater, Australia*

Integrating water and load balance modelling for mine closure *K Jain, Mine Waste Management, Australia; T-J Nelis, R Burgess, Hydro Geochem Group, New Zealand; L Navarro Valdivia, Mine Waste Management, New Zealand; C Miller, E Chen, Mine Waste Management, Australia; S Hoodhills, P Weber, Mine Waste Management, New Zealand*

Aligning closure planning and regional development: an adaptive regional transition framework from the Latrobe Valley *Y Jiang, UNSW Sydney, Australia; N Slingerland, WSP, Canada*

Reimagining closure at Mount Bischoff *B Johnson, Okane Consultants, New Zealand; B Dalton, Bluestone Mines Tasmania Joint Venture, Australia; M O'Kane, Okane Consultants, Canada; B Friedman, I Taylor, M Ebrahimi, Okane Consultants, Australia; R Sawyer, Okane Consultants, Canada*

From consultation to stewardship: community trust, continuity, and change in long-term mine closure *R Joiner, Resources Victoria, Australia*

A first-principles approach to mine closure and risk in a complex system: Yallourn mine *BR Jones, PSM, Australia; TD Sullivan, Independent Consultant, Australia; I Chan, PSM, Australia; L Tatnell, EnergyAustralia Yallourn, Australia*

From theory to practice: a contractor's guide for operators to de-risking mine closure *S Katsoulas, Liberty Industrial, Australia*

Out of the ashes: assessing bushfire impacts on stockpiled topsoil for mine rehabilitation *I Kelder, Landloch, Australia; D Brown, Covalent Lithium, Australia; L Cortes Paez, P Dubbelman, D Johny, Landloch, Australia*

Assessing the influence of variable batter gradients on long-term erosional stability of rehabilitated mine landforms: application of MINErosion 3 as a design tool *A Khalifa, SLR Consulting, Australia; H Bing So, The University of Queensland, Australia*

Inventory of copper–cobalt mining waste in the Democratic Republic of the Congo: a baseline for environmental management *L Kidinda Kidinda, Federal Institute for Geosciences and Natural Resources, Democratic Republic of the Congo; A Six, Federal Institute for Geosciences and Natural Resources, Germany; U Kalenga Tshingoma, AIGeoLab+, France; GD Sebagenzi, Environmental and Mining Services, Democratic Republic of the Congo; E Irung Bwanaching, Federal Institute for Geosciences and Natural Resources, Democratic Republic of the Congo; S Ombeni, Direction de Protection de l'Environnement Minier, Democratic Republic of the Congo; P Schütte, Federal Institute for Geosciences and Natural Resources, Germany*

Townsite smelter program: a framework for managing off-site legacy impacts in closure and long-term stewardship *J Kienholz, S Ramirez-Dias, GHD, USA*

From design to implementation: lessons from large-scale rehabilitation trials in Botswana *L Koekemoer, G van Wyk, E-TEK Consulting, South Africa*

Using airborne electromagnetics to assess groundwater connectivity and ecological risk in a dewatered mine setting *D Kumar, Rio Tinto, Australia; D Hodges, J Smallacombe, Geosyntec, Australia*

A case study of integrated remediation and engineering for tailing storage facility reclamation *S Laberge, Barr Engineering and Environmental Science, Canada; D Kolstad, Barr Engineering Co, USA*

Re-assessment of long-term monitoring of underground heating: a 25-year case study at a former lignite mine *S Lafortune, GEODERIS, France; R Albinet, French Geological Survey, France; O Lefebvre, T Delaunay, GEODERIS, France*

Electrokinetic dewatering, consolidation and strengthening of fine tailings: a large tank test using electrokinetic prefabricated vertical drain electrodes to inform a field trial *J Lamont-Black, M Chamberlain, Central Alliance, UK; T Hartog, Adenco, Australia*

Yallourn coal mine water quality closure tool *M Landers, P Long, RGS Environmental Consultants, Australia; S Gore, EnergyAustralia Yallourn, Australia*

Modular soil manufacturing for regional mine closure *J Lange, Ecocentric Services, Australia*

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RECEIVED PAPERS*

Long-term settlement of mine voids backfills *A Lim, Fortescue, Australia; S Linero-Molina, Independent Consultant, Australia; M Teh, Red Earth Engineering – A Geosyntec Company, Australia; J Thompson, J Dixon, Fortescue, Australia*

Landform evolution modelling using transitional soil moisture content modifying factors for erodibility *D Livsey, J Eadie, P Garneau, E Aguilera Pettinelli, ATC Williams, Australia*

Post-mining land uses in Germany: transforming mine and quarry sites into assets *B Lottermoser, RWTH Aachen University, Germany*

Room for rivers in mining landscapes: implications for mine closure design *R Lucas, Alluvium Consulting, Australia*

Parametric landform evolution modelling assessment of conceptual batter designs for mine closure trials *Y Ma, O Dudley, B House, M Liu, Red Earth Engineering – A Geosyntec Company, Australia*

Backfilled open pits as future landforms: a geomorphic closure opportunity *J MacRae, Landform Logic, Australia*

Water management in interconnected underground mine voids during mine closure: lessons from the Witwatersrand Basin, South Africa *G Madzivire, S Ramugondo, Council for Geoscience, South Africa; EM Sinthumule, R Ramateskisa, Department of Mineral and Petroleumm Resources, South Africa; VRK Vadapalli, University of the Free State, South Africa*

Demystifying mine rehabilitation through differentiated learning *A Mains, R Joiner, Resources Victoria, Australia*

Sequential extraction assessment of metal retention, mobility and bioavailability in acid mine drainage impacted sediments from the Witkranz legacy mine, South Africa *M Malatji, Council for Geoscience, and University of the Free State, South Africa; T Makono, K Sekiba, Council for Geoscience, South Africa; V Vadapalli, Council for Geoscience, and University of the Free State, South Africa; G Madzivire, Council for Geoscience, South Africa; E Fosso-Kankeu, E Malenga, University of Johannesburg, South Africa*

The geochemical legacy of tailings: insights from a 23-year-old rehabilitated tailings facility *J Mantey, Gold Fields Ghana, Ghana; A Kofi Awua, Radiological and Medical Sciences Research Institute, Ghana; J Kwasi Adingelah, C Kuupol Kuutor, N Asifu Mensah, D Asare, Gold Fields Ghana, Ghana; J Boshoff, Gold Fields Australia, Australia; S Hareeparsad, G Dube, WSP, South Africa*

Outcomes and lessons learned on the initial application of geomorphic rehabilitation at the Cerrejón mine, Colombia *J Martín Duque, Complutense University of Madrid, Spain; H Lacy, Mine Closure Management Services, Australia; M Russell, Dump Solver, Australia; J Pablo Lozano, Carbones del Cerrejón, Australia; Á Gómez, Carbones del Cerrejón, Colombia; M Tejedor Palomino, R Sánchez Donoso, RestauraGeo, Spain; G Hancock, The University of Newcastle, Australia*

Low-disturbance decharacterisation of a legacy bauxite tailings facility in the Brazilian Amazon: integrated drainage, revegetation and monitoring *N Marques da Silva, M Carvalho Mollica, Mineração Rio do Norte, Brazil*

Giving closure management plans a day job: developing effective closure management plans *B May, BHP, USA; K Ferguson, WSP, Canada*

Balancing competing uses for post-mining landscapes: the post-mining land use option evaluation tool *B Maybee, Western Australian School of Mines, Curtin University, and CRC TiME, Australia; R Browning, enviroMETS, Australia; G Boggs, CRC TiME, and The University of Western Australia, Australia*

Designing the future of closure governance: what closure practitioners can learn from defined benefit pensions *F McGuinness, Ryerson Networks, Switzerland; J Keneally, Ryerson Networks, Australia; T Vanotti, Ryerson Networks, Switzerland*

From risk to relinquishment: adaptive pathways for the Hazelwood mine *A McKenzie-McHarg, R Chong, GHD, J Missen, Australia*

Collaborative planning for mine repurposing and post-mining outcomes: integrating insights across frameworks, approaches and tools *T Measham, CRC TiME, The University of Western Australia, Australia; J Reeves, Federation University Australia, Australia; S Holcomb, J Parmenter, The University of Queensland, Australia; C Bourgault Du Coudray, The University of Western Australia, Australia; T Foran, CSIRO, Australia; A Knight, Curtin University, Australia; A Mardon, F Maling, The University of Western Australia, Australia*

Global pathways to relinquishment *A Mitchell, EGIS, Australia; S McConnell, BHP, Australia; A Forsyth, EGIS, Australia*

Extending digital simulation frameworks from energy and manufacturing transitions to mine closure: a decent work perspective *N Moane, Independent Consultant, Australia*

Application of Markov chain analysis to reclaimed mining landform portfolio management *B Mooder, BGC Engineering, Canada*

Integrating community participation in mine rehabilitation in the West Rand, South Africa *T Morapi, S Madikizela, B Coutts, SLR Consulting, South Africa*

Host mining communities' expectations on stakeholder engagement in the west Witwatersrand Basin, South Africa *M Mpanza, S Rupprecht, University of Johannesburg, South Africa*

Orchestrating closure success: the Closure Planning Practitioners Association's model for building professional closure planning capacity *D Murphy, C Latham, D Gumbleton, J du Plooy, P Lombard, K McKay, Closure Planning Practitioners Association, Australia*

A million trees and the community *R Mühlbauer, S Searby, I Rabohale, S Moodliar, RSIR Solutions, South Africa*

A probabilistic screening tool for long-term pit lake water balance estimation *L Navarro-Valdivia, Mine Waste Management, Australia; R Burgess, Hydro Geochem Group, New Zealand; P Weber, Mine Waste Management, New Zealand*

Drone-enabled mine closure and economically sustainable communities in Mpumalanga, South Africa *Q Ndlovu, Wits Business School, South Africa*

The role of erosion models to benchmark stable post-mining landform designs *L Nicolson, Office of the Queensland Mine Rehabilitation Commissioner, Australia; G Hancock, Aquaterra International, Australia; R Loch, Landloch, Australia; JA Purtill, Office of the Queensland Mine Rehabilitation Commissioner, Australia*

Environmental management requirements and practices in river-based artisanal and small-scale sand mining: a case study from the Progo River, Indonesia *HA Octaviano, Sustainable Minerals Institute, The University of Queensland, Australia; PE Octavya, The University of Queensland, Australia; P Rogers, L Lawson, FS Weldegiorgis, Sustainable Minerals Institute, The University of Queensland, Australia*

Applying a human rights lens to mine closure *E O'Keefe, R Lenahan, H Zainuddin, Synergy Global Consulting, UK*

From compliance to closure maturity: a maturity-based customised tool linking statutory requirements, standards and international good practices *R Mayne, A Oliveira, D Kyan, SRK Consulting, Australia*

From engineered stability to functional landscapes: integrating geotechnical controls and ecological performance in tailings storage facility closure at AngloGold Ashanti Iduapriem Mine *J Osei Danso, E Kwanin, S Adansi Boateng, AngloGold Ashanti, Ghana*

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RECEIVED PAPERS*

Optimising closure cover design in semi-arid environments through percolation modelling and pilot trials *M Ozbakir, ERM, UK; L Tallon, ERM, Canada; P Hesketh, ERM, UK; P Usta Ozkayhan, Centerra Gold, Turkey*

A tailings closure design origin story: from reactions to resilience *G Palma, A Poole, R Portas, J Sanders, Klohn Crippen Berger, Australia*

Three-dimensional dam breach assessment of a closed tailings storage facility using the material point method *N Pereira, SS Prabhu, Red Earth Engineering – A Geosyntec Company, Australia*

Human risk governance in mine closure: leadership, communication and engagement as operational controls *R Potts, LHH, Australia*

Applications of impact rolling in mine closure *R Power, Insitutek, Australia; D Avalle, Conplant, Australia; S Dix, Landpac, Australia*

Changing shape: learnings from 2 years of site-based landform design for bulk dozer push that resulted in new landform design software *J Prince, Boxcut Technologies, Australia; A Leotta, Glencore, Australia*

Can we transition mines to their post-mining land use earlier? *JA Purtill, Office of the Queensland Mine Rehabilitation Commissioner, Australia; V Sharma, Sustainable Minerals Institute, The University of Queensland, Australia; G Boggs, CRC TiME, Australia*

Mine closure slope stabilisation method: reinforced dry shotcrete installation at a remote and very high rainfall location at the biggest copper and gold mining operation in Papua *NYH Putra, PT Anggun Permai Tekindo, Indonesia; DY Wibisono, Brierley Associates Corporation, USA; CA Saputra, H Andreanur, IR Kumalasari, RS Amin, I Prengki, Anggun Permai Tekindo, Indonesia*

Fibre reinforcement to improve tensile strength and desiccation behaviour of red mud at reduced moisture contents for tailings storage facility closure *S Quintero Olaya, C Zhang, Y Yang, S Ashrith, D Williams, The University of Queensland, Australia*

Design and performance evaluation of the waste rock facility closure at Pierina Mine, Peru *M Quispe, J Gomez, Barrick, Peru; G Zhan, O Osores, Barrick, USA*

Transforming contracting for rehabilitation on Country *T Read, S Lowe, G Walkden, Department of Mines, Petroleum and Exploration, Australia*

Temporal prediction of waste rock dump deformation using ridge regression and random forest applied to interferometric synthetic aperture radar-derived time series *A Riascos-Realpe, The University of Queensland, Australia; M Jojoa Acosta, Universidad de Valladolid, Spain; DJ Williams, The University of Queensland, Australia*

Geochemical assessment of a closed tailings storage facility as part of a mine closure plan *J Robinson, R Colston, SLR Consulting, UK*

Rapid seed-to-pot screening to inform alternative growth media development for coal mine rehabilitation *LM Robertson, A Levett, WSP, and The University of Queensland, Australia; B Laverick, S Lyngcoln, WSP, Australia; P Berghofer, BHP, Australia*

Designing a national water atlas for mining regions: water supply information across the mining life cycle *LM Rochford, P Bolz, Sustainable Minerals Institute, The University of Queensland, Australia; A Samper, CRC TiME, and Sustainable Minerals Institute, The University of Queensland, Australia; N McIntyre, N Bulovic, M Edraki, CM Cote, The University of Queensland, Australia*

A case study for rock-clad, non-topsoiled native woodland rehabilitation in Central Queensland *B Roddy, EGIS Australia; S Henderson, Hendo Geotech, Australia; P Berghofer, BHP, Australia*

Risk-based approach to assessing hydrologic design events for a non-stationary climate *A Rogan, V Kim, PSM, Australia; S Rastogi, EnergyAustralia, Australia*

Scale effects in engineered cover design: lessons from Queensland mine sites *T Rohde, SGME, Australia*

Mud farming of rare earth tailings: outcomes and implications for tailings storage facility design and closure *M Rojas, M Teh, M Llano-Serna, Red Earth Engineering – A Geosyntec Company, Australia*

An outcome-focused framework for legacy mine closure *F Rusinga, T Rohde, SGME, Australia*

A risk-based approach to closure hydraulic modelling for the design of closure flood management structures *E Ryan-Reid, Rio Tinto, Australia; R Perrigo, S Atkinson, Worley, Australia*

Phytocaps in mine waste landforms: a nature-based approach to sustainable rehabilitation *M Salt, ATC Williams, Australia; T Hume, BRM Environments, Australia*

A CRC TiME native seed strategy initiative *A Samper, J Kirby, CRC TiME, Australia; C Davina, Macquarie University, Australia; R Jordan, CSIRO Mineral Resources, Australia; M Masarei, The University of Western Australia, Australia; S Pedrini, Curtin University, Australia; C Williams, CRC TiME, Australia*

'Walkaway' mine closure is rare: acknowledging the need for ongoing stewardship *A Scrase, Independent Consultant, Australia*

Multi-disciplinary environmental assessment of mining impacts in eMalahleni, Mpumalanga Province *J Shongwe, B Mahlase, S Gcasamba, N Mankayi, P Masegela, K Masindi, G Chiliza, G Mohale, S Lekoadu, O Mtyelwa, M Lekgothoane, K Madikizela, T Ramukumba, Council for Geoscience, South Africa*

Assessing legacy geohazards: a unique case at the Panguna Mine *M Sharp, D Alphonso, R Yost, Tetra Tech, Canada*

Shaping tomorrow's landscapes: the evolution of regional rehabilitation planning in Victoria's Latrobe Valley *R Sihombing, L Torly, V Betts, A Feigl, Resources Victoria, Australia*

Post-mining land use selection using Land iQ and the battery energy storage system site suitability tool *GB Simpson, WSP, Australia, and United Nations University Institute for Integrated Management of Material Fluxes and of Resources, Germany; E Silver, WSP, Australia*

Future directions for regional water balance modelling to inform mine site rehabilitation *A Sims, E Guthrie, R Morden, R Hardie, Alluvium Consulting, Australia*

Common systemic drivers of closure cost under-estimation *E Smedley, E Denholm, S Lakis, S Mackenzie, Mine Earth, Australia*

Applying the material point method to dam break assessment of a closed tailings storage facility *K Song, M Llano-Serna, Red Earth Engineering – A Geosyntec Company, Australia; M Seyedan, Geosyntec Consultants, Finland*

What have we learned from writing the book? Implementation of the International Network for Acid Prevention guidance to deliver successful cover systems *D Springer, Okane Consultants, Australia; M O'Kane, Okane Consultants, Canada; L Bagnall, Okane Consultants, Australia*

Developing a collaborative biodiversity accounting framework for IAMGOLD *A Steeghs, IAMGOLD, Canada; K Gillespie, Aspen Environmental Solutions, Canada; A Todd, University of Waterloo, Canada; G Sulatycky, J Tratnik, IAMGOLD, Canada*

Proactive risk management for aligning mine operations with closure objectives *C Stevens, H Gray, S Barabash, Ecometrix Inc, Canada*

Global regulatory trends in mine and tailings facility closure *A Sullivan, D Willms, Klohn Crippen Berger, Canada*

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MINE CLOSURE 2026

RECEIVED PAPERS*

Three-dimensional stability assessment for explosive demolition of a dredger in the Latrobe Valley, Victoria *V Tam, N Patel, S Pant, GHD, Australia*

Indigenous-led regional cumulative effects assessment and management (I-RCEAM): Why does it matter in Australia? *R Tardin-Coelho, Curtin University, Australia*

To spill or not to spill? Closure water management for tailings storage facilities *HM Thomson, J So, SRK Consulting, Australia; D Ludwick, SRK Consulting, USA*

Governance for the safe closure of tailings storage facilities: the Engineer of Record perspective *G Toledo, M Gómez, R Cádiz, Arcadis, Chile*

From liability to legacy: understanding and managing post-closure coal pit lake water quality *B Usher, A Fitzpatrick, J Zheng, Klohn Crippen Berger, Australia; S Vink, The University of Queensland, Australia*

Derelict and ownerless mine sites in South Africa: history, legislation, and a review of their management *RVK Vadapalli, Council for Geoscience, and University of the Free State, H Coetzee, Council for Geoscience, and Owl Mountain Earth Science (Pty) Ltd, South Africa; M Solomon, University of Cape Town, South Africa; S Gcasamba, B Mahlase, N Chere, Council for Geoscience, South Africa; J Mathekga, S Kekana, L Mudau, Department of Mineral and Petroleum Resources, South Africa*

Pit impact risk assessment tool: using explicit uncertainty to drive progressive mine closure planning across a portfolio of open pit voids *C van de Merwe, M Stimpfl, J Gale, G Carter, BHP, Australia; D Noonan, D Pershke, Pershke Consulting, Australia*

From provision to decision: using closure costs to drive better business outcomes *K Vaughan, R Crumpler, Rio Tinto, Australia*

When is dynamic groundwater–pit lake coupling necessary? Lessons from a multi-pit closure application in a structurally complex aquifer *L Ventura, G Lopes, L Silva, A Garcia-Forero, WSP, Australia*

A mathematical model for closure cost estimation: a life-of-mine based approach *K Vieira, M Oliveira, P Amaral, I Diniz, A Resende, Vale, Brazil*

Tailings dam decommissioning projects in Brazil: challenges, remote technologies, and lessons learned *G Vizcarra, Knight Piésold, Australia, Catholic University San Pablo, Peru; TM Gonçalves, Vale, Brazil*

Conceptual geochemical considerations for conventional and filtered tailings storage systems: a comparison *G Vizcarra, Knight Piésold, Australia, Catholic University San Pablo, Peru; Q Yi, Knight Piésold, Australia; C Monteiro, Progen, Brazil*

Integrating targeted geochemical experiments and process-based modelling to support defensible mine closure water quality predictions at Iron Crown Mine *L Volden, D Kirste, K Sexsmith, SRK Consulting, Canada*

Rehabilitation of historical mine features: from mitigation toward true risk elimination *E Voyer, Agnico Eagle Mines, Canada; J Arsenault, WSP, Canada*

Engineering a practical chemical pathway from mine waste to high-value materials *C Vuillier, GHD, Australia*

Setting up for success: lessons learned from establishing a robust contaminated land baseline and program on an operating mine site to support sustainable mine closure at BHP Mitsubishi Alliance *C Waters, BHP Mitsubishi Alliance, Australia; K Locsey, GHD, Australia; H Jones, WSP, Australia*

An approach to creating alternative growth media for revegetation of mines *JB Wehr, GT Dale, A Costin, Verterra Ecological Engineering, Australia; L Nicolson, Office of the Queensland Mine Rehabilitation Commissioner, Australia*

When best practice isn't enough: reframing mine closure through First Nations' leadership *C Williams, CRC TiME, and The University of Western Australia, Australia; J Walker, CRC TiME, and The University of Queensland, Australia; A Samper, CRC TiME, and Sustainable Minerals Institute, The University of Queensland, Australia*

Contaminated site assessment strategies to address mine closure planning challenges *D Windle, T Weaver, D Kovacsy, ERM, Australia*

Beyond quantity: Rio Tinto's focus on quality rehabilitation outcomes in the Pilbara region of Western Australia *R Wittkuhn, E Cowan, P Chester, B Wood, Rio Tinto, Australia*

Using the seed-use chain to identify research priorities for the rehabilitation of spinifex (*Triodia* spp.) in the Pilbara, Western Australia *B Wood, Rio Tinto, Australia; S Pedrini, S Turner, Curtin University, Australia; R Wittkuhn, E Cowan, P Chester, Rio Tinto, Australia; P Pañella, M Orengo, Curtin University, Australia*

SAMCA: a new tool to assess and improve performance in addressing the social aspects of mine closure *S Worden, J Harris, The University of Queensland, Australia*

Improving mine closure and rehabilitation outcomes in South Australia: integrating evidence, stakeholder feedback, and regulatory reform *B-M Yanez, Department for Energy and Mining, Australia*

Can microbial indicators improve acid metalliferous drainage assessment and prediction? Implications for mine closure *Q Yi, Knight Piésold, Australia*

CONFERENCE DINNER

Venue: The Olympic Room, MCG, Brunton Ave, Richmond VIC 3002

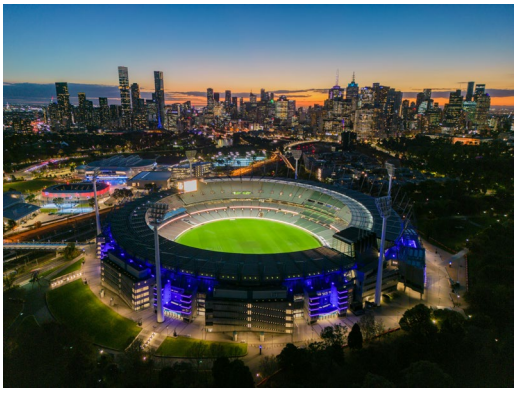
Date: 16 September 2026

Time: 18:30 pre-dinner drinks, 19:00 seated for dinner.

For those attending the stadium tour, please make your own way to the stadium for 17:30.

We are delighted to invite all delegates and partners to join us for an evening of good food, wine and networking at the Mine Closure 2026 dinner, to be held at the iconic and legendary MCG.

Arguably the most well-known of sporting venues in Australia, the MCG is also steeped in a rich history; established in 1853, less than 20 years after the founding of Melbourne. For locals and visitors alike, this is a must-do Melbourne experience, which we are pleased to be able to offer to Mine Closure 2026 delegates.



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