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MINE CLOSURE 2025

23–25 SEPTEMBER 2025 | KULTURENS HUS, LULEÅ, SWEDEN

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.

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THEMES

Responsible ...

- ... mine closure strategies for extreme conditions
- ... closure objectives and criteria
- ... financing
- ... long-term stability
- ... operation for closure
- ... social transition and environmental performance
- ... capacity building
- ... AI, where is it used and where can it be used?

SUN 21 SEP	MON 22 SEP	TUES 23 SEP	WED 24 SEP	THUR 25 SEP	FRI-SUN 26-28 SEP
Geomorphic Landforms Workshop	Design Basis Memorandum Workshop	Mine Closure 2025 Luleå, Sweden			Site visit
Transform. Transition. Transfer. Workshop	Indigenous Perspectives Workshop				
Conference Dinner					

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ACCEPTED ABSTRACTS*

Comparative analysis of different types of closure cost estimates *L Aguirre, SRK Consulting, Chile; JV Parshley, SRK Consulting, USA*

Keys to sustainable mining: mine closure risks and rehabilitation guarantees *M Alcalá Besga, Nordic Guarantee, Sweden*

Integrating global soil geochemical data into post-mining planning: a proactive approach for data-scarce regions *AV Alekseenko, United Nations University, Germany; MM Machevariani, Technische Universität Bergakademie Freiberg, Germany; J Bech, University of Barcelona, Spain; D Karthe, Technische Universität Dresden, United Nations University Institute for Integrated Management of Material Fluxes and of Resources, and German-Mongolian Institute for Resources and Technology, Germany*

Monitoring success: remote sensing and artificial intelligence for tracking success of individual seedlings at a revegetation trial in Northern Canada *J Anderson, B Pearse, Integral Ecology Group, Canada*

Quantitative risk modelling to inform adaptive design for climate change *P Armenis, Klohn Crippen Berger, Canada*

Use of green liquor dregs for reclamation of historical mining waste: suitable properties and results from a full-scale reclamation in 2017 *M Bäckström, Bergskraft Bergslagen AB, Sweden; N Stahre, L Sartz, Örebro University, Sweden; S Sädbom, Bergskraft Bergslagen AB, Sweden*

Long-term geochemistry prediction and implications for closure of the Doornpoort tailings storage facility, South Deep mine, South Africa *A Baker, SLR Consulting, South Africa; R Closton, J Robinson, SLR Consulting, UK*

Monitoring result of top and subsoil stockpile characteristics which will be used in rehabilitation for mine closure: base study at Oyu Tolgoi mine *A Balt, Oyu Tolgoi LLC, Mongolia; D Shamii, Ulzii Environmental Consulting, Mongolia; D Batsuuri, T Oyun-Erdene, P Nyambu, Oyu Tolgoi LLC, Mongolia; B Boldgiv, The National University of Mongolia, Mongolia*

Custom tailored solutions for specific tasks: geotechnical solutions for mines and tailing storage facilities *M Baltruschat, M Heinrich, BAUER Spezialtiefbau GmbH, Germany; T Frosberg, M Ruin, Sverige BAUER GL AB, Sweden.*

Laisvall: tailing storage facility Sjömagasinet post closure status and upgrade of closure measures *J Banck, Tailings Consultants Scandinavia AB, Sweden; A Lindgren, A Lundberg, M Jakobsson, Boliden, Sweden*

A probabilistic framework for assessing a groundwater remediation program *L Beal, J Klakovich, S Miller, B Kimball, A Askar, A Persico, INTERA, USA; B Ray, Ensero Solutions, USA*

Aspects of financial guarantees for mine closure *E Barros, L Masetti, M Chaves, V Domingues, Vale, Brazil*

Abandoned mines: turning problems into benefits *E Barros, L Masetti, M Chaves, V Domingues, Vale, Brazil*

The impact of enhanced sustainability outcomes on the optimal open pit to underground transition *N Barros, T Sharman, A Hall, D Lee, M Flanagan, F Grobler, AMC Consultants, Australia,*

Dealing with the unknown: cost estimation for complex and uncertain closure scenarios *R Bloemhof, J Bothma, WSP, South Africa*

Enabling change in mine closure: six key challenges and strategies for moving towards transition planning, management and execution *G Boggs, CRC TiME, Australia*

Enabling post-mine transitions: the need to transform education and training options *G Boggs, J D'Urso, T Measham, CRC TiME, Australia; Z Hughes, CRC TiME, and Curtin University, Australia*

How to ensure responsible and successful transformation in mining regions by implementing smart closure practices reinforced by novel data base driven tools *J Bondark, Conral Mining Institute, Poland*

A probabilistic framework for financial liability assessment in mine closure costing *A Botes, GreenGAB, South Africa; C Sheridain, University of the Witwatersrand, South Africa; C Steyn, Agreenco, South Africa*

Lain Tech E-LIX technology *J Borrego, Lain Tech, Spain*

Making data collection fit for closure *D Brookshaw, S Pearce, Mine Environment Management, UK; S Mueller, Boliden, Sweden*

The path to 'safe closure' for a legacy tailings storage facility in British Columbia, Canada *A Brown, Barrick, Canada*

Sustainable passive water treatment for metal mine closure *A Brown, Adrian Brown Consultants, USA*

Driving innovation in mine closure monitoring through automation and an integrated digital knowledge base *K Burkell, Cambio Earth, Canada; M Adams, A-M Dagnais, M Lato, BGC Engineering, Canada; A Zahradka, Cambio Earth, Canada*

Numerical assessment of vegetation growing season length and long-term climate projections on the elevated water table reclamation method at the Manitou abandoned mine site, Quebec, Canada *B Bussière, Université du Québec en Abitibi-Témiscamingue, Canada*

Feasibility studies: are the closure costs there? *GM Byrne, Niboi Consulting, Australia*

Implementation of a methodology to evaluate and optimise closure measures at a coal mining operation in northern Colombia *F Camargo, WSP, Colombia; G Zamora, C Janampa, WSP, Peru*

Performance of a large-scale cover trial on a mine-rock stockpile on the Canadian Shield after five years *A Cash, J Harrington, BGC Engineering, Canada*

Challenged mine closure with revegetated waste dumps *M Capel, R Mereziano, F Starling, Vale, Brazil*

Sustainable management of post-mining wastes in France: methodology and implementation *C Chapon, GEODERIS, France*

A comprehensive evaluation of the impact of vegetation and climate change on the hydrogeological behaviour of a low permeability cover system through large-scale field trial and numerical modelling *M Chai-Onn, S Morin, WSP, Canada*

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Characterisation of the *Pinus banksiana* root system to adjust the thickness of the coarse layer over a cover system used to control contaminated mine drainage in a boreal context *M Cissé, M Guitttony, Institut de Recherche en Mines et en Environnement, Université du Québec en Abitibi-Témiscamingue, Canada; B Bussière, Université du Québec en Abitibi-Témiscamingue, Canada*

Mine closure as a process: leveraging operational efficiency models to achieve land transition *M Clark, M O'Kane, Okane Consultants, Canada*

Climate change impacts on the hydraulic performance of pit closures across different climatic regions in Australia *R Clarke, WSP, Australia*

Advancing mining-influenced waste remediation: a global research and development portfolio approach *K Clode, M Hsu, M Yadav, Isle Utilities, Australia; NB Gurrieff, Rio Tinto, Australia*

Framework for conceptualising, designing, monitoring and improving cover test plots *JS Collyard, SLR Consulting, USA; N Haws, GeoSystems Analysis, Inc, USA*

Integrating geochemical and hydro(geo)logical modelling to predict long-term water quality *R Colston, L Ziukelis, J Robinson, SLR Consulting, UK; B Balding, SLR Consulting, Ireland*

Providing guidance for mine remediation planning through probabilistic modelling and multiple conceptual models *C Coulon, INTERA, France; K Markovich, US Geological Survey, USA; S Miller, J White, A Askar, L Beal, J Sigda, A Tinklenberg, C Ardito, INTERA, USA*

Progressive mine closure: rehabilitation and community engagement *G Cunha, G Mendonça, A Nepomuceno, A Cunha, Kinross Brasil Mining, Brazil*

Multilayer cover system for controlling sulphide oxidation *G Cunha, G Mendonça, A Nepomuceno, A Cunha, Kinross Brasil Mining, Brazil*

The closure planning of a chrysotile asbestos mine in Brazil *M dos Santos Reis, G Aragão, I Ribeiro, Pimenta de Ávila Consultoria, Brazil*

The importance of future use in developing mine closure plans *M dos Santos Reis, G Aragão, I Ribeiro, Pimenta de Ávila Consultoria, Brazil*

Assessment of sustainable development indicators in the Chadormalu iron ore mine closure with a focus on the feasibility of recovering valuable elements from waste water and residue *A Darban, A Jamshidi, Tarbiat Modares University, Islamic Republic of Iran*

Sinkhole post-mining risks: French methodology *T Delaunay, O Lefebvre, GEODERIS, France; I Vuidart, Ineris, France; P Bigarré, GEODERIS, France; A Jalil, CSTB, France*

Research on intelligent management of resource-security-ecological in coal-related industrial zones for mine transformation *J Dong, F Xiaotong, W Dai, China University of Mining and Technology, China; B Genc, T Celik, University of the Witwatersrand, South Africa*

The current state of geomorphic landform design in Australia *S Dressler, C Waygood, WSP, Canada*

Artificial intelligence-based mine closure monitoring *J Eliasson, ThingWave AB, Sweden*

Groundwater water quality from current to closure scenario: a case study for cross-program modelling *RJ Embile, DHI Group, Sweden*

Thirty-three years of follow-up at the flooded tailings management facility at Stekenjokk, Northern Sweden *N Eriksson, A Vallmark, Boliden, Sweden*

Proposing a hybrid immersive platform for mine closure surveillance *R Faradonbeh, Curtin University, Australia*

Insights on fugitive methane emissions inventory from abandoned underground coal mines in France *S Favier, A Gouzy, Ineris, France*

Evaporation pond closure trials: characterising evaporation pond material to inform closure strategy *A Fayyaz, R Thomas, BHP, Australia*

Closure and reclamation of the Bouchard-Hébert mine site, Rouyn-Noranda, Québec, Canada *P Ferguson, Robertson GeoConsultants, Canada; D Jones, DR Jones Environmental Excellence, Australia; J Skoglund, Skoglund Environmental Advisory, Switzerland; Z Tebaibi, Trafigura Mining, Canada*

Development of mapping and hierarchisation of environmental risks of paralysed and abandoned mines in the state of Minas Gerais, Brazil *P Fernandes, D Oliveira, R Gomes, State Environmental Foundation, Brazil*

Overview and prospects for mine closure in Brazil's largest mining state *P Fernandes, D Oliveira, R Gomes, State Environmental Foundation, Brazil; H de Lima, Federal University of Ouro Preto, Brazil*

Bats, bunds and very old bones: navigating ecological, community and heritage challenges in closing legacy mines *S Finucane, Pershke Consulting, Australia*

Neutral ground: authentic stakeholder engagement in mine closure *R Fitzclarence, R Joiner, Mine Land Rehabilitation Authority, Australia*

The reality of integration in mine closure planning: ensuring the effective intersection of technical work and social performance *FJ Fouche, Newmont, USA; L Wall, Shared Resources, Australia; E Kidner, WSP, USA; Y Pelaez, Newmont, Peru*

A closure case study: the multidisciplinary and interconnected opportunities and challenges at a mine in Northern Ontario, Canada *K Franklin, BGC Engineering, M Leclair, Agnico Eagle, Canada*

A critical assessment of criteria for reclamation of waste rock dumps at Águas Claras Mine in the context of Brazilian regulations *P Freu, T Costa, Vale, Brazil*

Integration of geochemical materials testing and water quality monitoring for closure planning: case studies from Australia and New Zealand *W Gemson, Hydro Geochem Group, Australia; K Jain, Mine Waste Management, Australia; S Hoodhills, Mine Waste Management, New Zealand; E Weightman, Hydro Geochem Group, Australia*

Numerical modelling of groundwater fluoride contamination from mining waste facilities in Switzerland *A Gennarini, M Dal Santo, M Lassini, Stantec, Italy*

Balancing expectations and community views: a case study from Cobalt, Canada *R Getty, Agnico Eagle Mines, Canada; K Korman, Story Environmental Inc, Canada; F Poirier, Agnico Eagle Mines, Canada*

Advancing mine closure safety with InSAR: monitoring an inactive tailings storage facility *I Gkikas, SkyGeo, Greece; PB Leezenberg, H Maljaars, A Urgilez, SkyGeo, Netherlands; JV Andersson, WSP, Sweden*

Implementing the Global Industry Standard on Tailings Management for closed and legacy tailings facilities *C Gimber, H McKay, ERM, Australia*

Comparing cover system trial methodologies in arid environments *C Gimber, G Ross, ERM, Australia*

Changing of the guard: navigating the post-closure transition using the Three Horizons framework *D Godden, M Bowden, FuturesPlanner, Australia; S Finucane, Pershke Consulting, Australia*

Integrating governance and operational closure: how to minimise risks and maximise results *L Guimaraes, I Nogueira Diniz, A Dias, F Cruz, A Resende, R Schmaltz, Vale, Brazil*

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Mine closure planning with emphasis on hydrogeochemical stabilisation: the crucial role of hydrogeological modelling *B Guimarães, SS Holanda De Oliveira, J Ficagna, V Moreira Assis, Vale Base Metals, Brazil*

Recent case histories for dam decommissioning in Alberta, Canada; *C Grapel, D Bailey, J Lyons, C Wilson, Klohn Crippen Berger, Canada*

From rehabilitation to restoration: a twelve-year case study *A Haagner, F van Wyk, Agreenco Environmental, South Africa*

Case study: incorporating the principles of the circular economy in the decommissioning of Esperance wind farm *K Hammomd, Synergy, Australia*

Surveying a post-mining landscape surface to assess erosion and deposition: accuracy and reliability of digital elevation models *G Hancock, The University of Newcastle, Australia*

Development of a laboratory wind tunnel to test tailings erosion mechanisms *M Haynes, R Fanni, WSP, Australia*

A mine ends. Then what? Embedding creativity in mine closure planning to enable a successful transition *P Hesketh, ERM, UK; P Whitbread-Aburat, Future Terrains, UK*

Inclusion of waste in resource and reserve reporting processes as a catalyst for responsible mine closure *J Heyes, CoRE Learning Foundation, Australia; H Arvidson, N Nirmalrajan, INX K2Fly, Australia*

Planning the end from the beginning: stakeholder engagement in closure planning *AE Hood, ERM, USA*

Advancing mine closure through artificial intelligence-driven orebody knowledge: a geochemical and hyperspectral perspective *AE Hood, ERM, USA; S Hood, M Trott, ALS Global, Canada*

When mine closure lacks dollars and sense *AE Hood, T Dillon, ERM, USA; C Crossley, Teck, USA*

The social, economic, and environmental impacts of mine closure: a case study of Gaths Mine, Mashava, Zimbabwe *K Henry, GNWT, Canada; T Madondo, Midlands State University, Zimbabwe*

Mine closure and reclamation as regeneration: coal mining and regeneration success criteria *P Hesketh, ERM, UK; G Gregory, R Pedlar, ERM, Canada*

Techniques and challenges for material stabilisation within historically mitigated underground abandoned coal mines *JE James, A Schlattmann, C Archer, D Hibbard, Brierley Associates, USA*

Planning for the future of post-mine sites in the modern era: balancing disclosure and delivery *J Januário, A Paula Silva Della Torre, E Almeida, E Duffles, J Ohnesorge, Vale, Brazil*

Optimising revegetation for mine closure case study: initial learnings from a multi-faceted approach to minimise net percolation using native vegetation *B Johnson, Okane Consultants, New Zealand; E Veneklaas, M Leopold, University of Western Australia, Australia; M Phillip, Okane Consultants, USA; H Cooper, M Barteaux, Okane Consultants, Canada; T Erickson, D Gibson, University of Western Australia, Australia; D Springer, Okane Consultants, Australia*

A first principles approach to mine closure and risk *B Jones, T Sullivan, I Chan, A Rogan, PSM, Australia*

Mine closure case study: Aidu oil shale open cast mine as a centre for future rowing champions after closure *V Karu, Estonian Business School, Estonia*

Monitoring that works through and beyond a mine life: designing with the end in mind *T Kennedy, SeeBuiltEarth, Australia*

Mine closure in a changing world: tools for thinking beyond the present *T Kennedy, SeeBuiltEarth, Australia*

Too big to close? How open-cut mine expansions are impacting on closure cost estimations and the corresponding risks to companies *A-L Knight, Institute for Energy Economics and Financial Analysis, Australia*

Continued evolution of mine closure practices: integration of indigenous perspectives and climate change in revegetation prescriptions *T Kuzyk, J Lowey, S Seahra, R Pedlar, A-C Bequet, ERM, Canada*

Critical drivers in designing open pits and landforms: decisions mining engineers and mine planners make and how they influence mine closure *H Lacy, Mine Closure Management, Australia; M Russell, DumpSolver Australia, M Slight, Mike Slight and Associates, Australia*

Mine planning strategies for effective mine closure: integrating pit design, waste dump configuration, and backfilling *L Leite, T Toussaint, D Souza, SRK Consulting, Brazil*

Integrating circular economy principles into mine closure planning *E Littlewood, A Hutton, Institute of Environmental Management and Assessment, Australia; A Jiang, Go Circular, Australia; W Rifkin, The University of Newcastle, Australia*

Ecological assessments around a mine closure in China: a case study *J Li, Y Li, China University of Mining and Technology-Beijing, China; Y Chugh, Southern Illinois University Carbondale, USA; Y Han, China University of Mining and Technology-Beijing, China*

Moving from permitting to mine closure engineering: the experience in Chile *A Lopez Skoknic, P Puggiono, Ausenco, Chile; J Campos, Ager Consultoria, Chile*

Post-mining land use in Germany: transforming closed mine and quarry sites into assets *B Lottemoser, L Fink, Rheinisch-Westfälische Technische Hochschule Aachen University, Germany*

A multi-year assessment of landform evolution model predictions at a catchment scale with field observations *J Lowry, M Saynor, Office of the Supervising Scientist, Australia; G Hancock, The University of Newcastle, Australia; T Coulthard, University of Hull, UK*

Lower Wanagon 3200 update design: Grasberg surface mine closure *M Mahayasa, Freeport McMoRan, USA; M Witler, Stantec Consulting International LLC, USA; L Standridge, Call & Nicholas, Inc, USA*

Demystifying mine rehabilitation through differential education *A Mains, Mine Land Rehabilitation Authority, Australia*

The journey towards a sustainable closure of mine tailings: the case Gold Fields Damang mine's south tailings storage facility *J Mantey, Gold Fields Ghana, Ghana*

Mine closure: challenges to be faced by a country that has more than 200 mines in operation *L Masetti, E Barros, M Chaves, V Domingues, Vale, Brazil*

Leading responsible mine closure in South America through fluvial geomorphic rehabilitation: advances at the Cerrejón mine, Colombia *JF Martín Duque, Complutense University of Madrid, Spain*

Mine landform design, conventional to geomorphic: the evolution of nature-based design for mine landform rehabilitation and closure *JF Martín Duque, Complutense University of Madrid, Spain; H Lacy, Mine Closure Management, Australia*

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The Mining and Quarry Restoration Network: a new and necessary platform working for the improvement of mine closures C Martín-Moreno, Complutense University of Madrid, Spain; B Olmo Gilabert, J de la Villa Albares, Red Restauración Minas y Canteras, Spain; JA Oliet Pala, Polytechnics University of Madrid, Spain; JM Nicolau Ibarra, University of Zaragoza, Spain; A Guerrero Gutiérrez, Eiffage Infraestructuras, Spain; C Gil Monteso, VAERSA Generalitat Valenciana, Spain; E Fuertes Fernández, Ingeniería Ebro, Spain

Nova Vila Project: a multi-use approach to mine closure and economic diversification in Nova Lima, Brazil F Martins Guabiroba, M Moraes, F Claudiom, AngloGold Ashanti, Brasil; J Chihota, AngloGold Ashanti, South Africa

Closure cost estimation: harbinger or helper? J Mattews, WSP, Australia; K Ferguson, WSP, Canada

Assessing risks of climate extremes on mine closure and cover system design at Aitik mine M McKeown, D Christensen, H Cunningham, Okane Consultants, Canada; S Mueller, Boliden, Sweden

Bioderived element resource separation technology S McGaughey, A De Rosa, S Iqbal, C Byrt, Australian National University, Australia; Nick Gurieff, Rio Tinto, Australia

Closure of the AK1 tailings storage facility at Argyle Diamond Mine G Mcphail, R Ugaz, Water, Waste and Land, Australia; D Dwumfour, M Renkert, Rio Tinto, Australia

Balancing stability and sustainability: adapting contemporary mine closure to the realities of legacy sites C Meikle, SLR Consulting, Australia

Collaboratively planning for mine closure with Indigenous Nations N Melaschenko, J Straker, Integral Ecology Group, Canada

Mapping the legislative pathway to mine closure in the Latrobe Valley, Victoria T Mok, A Scrase, Mine Land Rehabilitation Authority, Australia

What enables regulatory capacity building in the closure of Ranger Uranium Mine in Northern Australia A Moritz-Zimmermann, J Miller, K Taylor, Department of Climate Change, Energy, the Environment and Water, Australia

A model for mine closure R Muhlbauer, D Kerr-Malherbe, Siyakha, South Africa

Chingola town: beyond mining P Mukumba, L Marais, University of the Free State, South Africa

Budget friendly boulders: developing a methodology for evaluation of rock within spoil piles for reuse in natural landform design K Muller, M Curtis, Engeny, Australia

Three-dimensional subsidence modelling of the Lady Loretta underground Mine workings to evaluate closure and rehabilitation planning S Narendranathan, J Butler, Civil Mine & Quarry Geotechnics, Australia; A Penney, M Mafu, Glencore, Australia

Building a robust knowledge base for effective tailings management: ensuring safe and sustainable mine closure K Naude, ERM, South Africa; S Gibbons, ERM, UK

Effective mine rehabilitation & closure tracking: 'Clova' B Nezhad, Rio Tinto, Australia

Closure planning: the state of practice and the leading edge C Nickifor, A Cash, BGC Engineering, Canada; G McKenna, McKenna Geotechnical Inc, Canada; M Adams, BGC Engineering, Canada

Tool for acid rock drainage and metal leaching prevention and management J Nicholls, ICMM, UK; G Tremblay, International Network for Acid Prevention, Canada; R Verburg, WSP, USA; R Paisley, N Bezuidenhout, WSP, Canada

Cover application on acid generating mine waste using recycled green liquor dregs, a paper mill residue S Nigéus, Sweco Sverige AB, Sweden; C Maurice, J Lindblom, J Laue, Luleå University of Technology, Sweden

Provisioning for asset decommissioning: resource management, release criteria, and activity monitoring I Nogueira Diniz, Vale, Brazil

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

Comprehensive mine closure planning: a comparative approach in Latin America C Oyarzo, A Vivas, WSP, Chile

Post-mining ground stability monitoring of the abandoned Amiantos Asbestos Mine, Cyprus, using satellite remote sensing data S Panayiotou, S Perdikou, B Raju, Geofem, Cyprus

Co-disposal of tailings and mine waste: integrated geochemical and geotechnical risk assessment S Pearce, Mine Environment Management, UK; R Elmer, Knight Piesold, UK; K Grohs, Agincourt Resources, Indonesia

Integration of 'safe closure' into the selection of a new tailings storage facility J Penman, J Sanders, Klohn Crippen Berger, Australia

Mine closure plan transition: from a document to a management tool during mine operation D Perez, D Munita, SRK Consulting, Chile

Technosols as a sustainable solution for mine closure and rehabilitation F Perlati, F Junior, R Stutz Salgueiro, R de Azevedo Coimbra, National Mining Agency of Brazil, Brazil

Strategic planning for pit lake closure in an iron ore mine: risk management and post-mining perspectives L Pires, FStarling, AL Viegas, L Guimaraes, G Rodrigues, T Nogueira, T Campos, Vale, Brazil

Valorisation of mineral masses and integrated mine waste management T Pabst, Norwegian Geotechnical Institute, Norway; H Rui, K Peders, NOAH, Norway; E Ronne, M Bergknut, Boliden, Sweden

Case study: mine closure at two mines in northern Canada M Peters, M Desjardins, De Beers Canada Inc, Canada

Study of water quality and potential sources in alluvial bore, downstream of the tailing storage facility at Oyu Tolgoi copper mine, South Gobi, Mongolia T Puntsag, S Tulganyam, O Sededpurev, S-E Bazardorj, B Bayanzul, Oyu Tolgoi LLC, Mongolia; B Myagmar, Water management LLC, Mongolia; T Sarangerel, A Danzan, M Natsagdorj, Oyu Tolgoi LLC, Mongolia

The lens of justice: responsible corporate decision-making practices in social transitions A Rafty, Rio Tinto, Australia

Argyle diamond mine: a First Nations perspective on closure D Reeves, K Dowell, J Welch, Gelganyem Group, Australia

Argyle diamond mine: a model for First Nations engagement a case study D Reeves, K Dowell, J Welch, Gelganyem Group, Australia

Developing a long-term progressive rehabilitation strategy for the Goldsworthy Northern area A Richards, BHP, Australia

Selective ion exchange recovery for enabling passive wetland treatment of bauxite processing residue leachates A Riley, W Mayes, University of Hull, UK; H Gomes, University of Nottingham, UK; I Burke, University of Leeds, UK; R Courtney, University of Limerick, Ireland; Nicholas Gurieff, Rio Tinto, Australia

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A nature-based approach for remediating severe arsenic and mercury pollution in an abandoned mining and metallurgy site *E Rodríguez-Valdés, R Gallego José Luis, Instituto de Recursos Naturales y Ordenación del Territorio, Universidad de Oviedo, Spain; B Coto Diego, Spanish Geological Survey, Spain; A Rubén, F Rubén, B Jamie, Instituto de Recursos Naturales y Ordenación del Territorio, Universidad de Oviedo, Spain*

Sustainability: a tailings management service provider perspective *N Roux, Fraser Alexander, South Africa*

Assessing the effect of snowmelt on mine cover in cold climate using numerical modelling and laboratory column *A Saafan, S Maurice, J Toromanovic, J Laue, Luleå University, Sweden*

Optimisation of mine closure strategies: estimation of external flow for pit lakes formation in open-pit mines through coupled modelling with FEFLOW and Python *P Sáez Martínez, DHI Group, Peru; LC Suescun Casallas, DHI Group, Colombia*

Re-purposing of mine infrastructure at closure *D Saiang, Luleå University of Technology, Sweden*

Delivering biodiversity and nature positive outcomes through mine closure *L Sánchez, N Margardio, L Souza, D Vieira, C Matos, S Kakinami, University of São Paulo, Brazil; A Morrison-Saunders, Edith Cowan University, Australia; J Rosa, Alcoa World Alumina, Brazil*

Geomorphic based solutions: understanding the landforms and landscapes of northern Sweden to inspire landform design in mine rehabilitation and closure *R Sanchez Donoso, VAST Landscape Architecture, AB, Spain; R Carrillo Muñoz, Umeå University, Chile; L Polvi, Umeå University, Sweden; M Baida VAST Landscape Architecture AB, Australia; F Holst, VAST Landscape Architecture AB, Sweden; JF Martín Duque, Complutense University of Madrid, Spain*

Micro paste: producing paste backfill utilising ultra-fine copper tailings *B Salvoldi, J Gerhardi, Paterson & Cooke, South Africa*

An example of Australian research strategy for managing acid and metalliferous drainage for a successful closure *A Samper, J Kirby, T Measham, CRC TiME, Australia*

Geomorphic-based restoration and transition planning for the ilmenitas dump in Minas de Riotinto, Spain: a sustainable post-mining approach *E Sanjuan, Atalaya Mining, Spain; JF Martín Duque, M Tejedor Palomino, DJ Molina, Complutense University of Madrid, Spain*

Environmental reclamation project for the remant area of Tailings Dam I *D Schaper, Vale, Brazil; R Froitzheim, WSP, Brazil; J Westlake, WSP, UK; DI Oliveira, Vale, Brazil*

Identification of patterns in the distribution of mine closure costs *D Schaper, Vale, Brazil; C Nacif, R Lessa, WSP, Brazil*

Innovative technologies in the remediation of the landscapes left behind by the former lignite mining industry in eastern Germany *P Schleussner, K Muehlig, Lausitzer und Mitteldeutsche Bergbau-Verwaltungsgesellschaft mbH, Germany*

A risk-based approach to bauxite residue disposal at Worsley Alumina *A Schteinman, South 32, Australia*

Post-mining land use selection: a framework for long-term value creation *M Selame, G Simpson, WSP, Australia*

A technical note on a hydrologic framework of open-cut mine closure in the Pilbara region *R Shi, H Penno, Rio Tinto, Australia*

Assessing the long-term carbon balance in mine waste storage facilities and implications for mine closure *R Shiimi, S Pearce, L Clancy, Mine Environment Management, UK; A Barnes, Geochem Ltd, UK*

Case study for progressive closure planning embedded within operational mining activities at Phu Kham Copper-Gold Operation *S Shorin, S Rathbone, D Jones, Phu Bia Mining, Lao People's Democratic Republic; J Nel, Klohn Crippen Berger, Australia*

Diavik's closure journey: a case study in integrated mine closure planning, community and regulatory engagements and progressive reclamation *S Sinclair, Rio Tinto, Canada*

Diavik's north country rock pile: a case study in integrated mine closure planning and progressive reclamation *S Sinclair, Rio Tinto, Canada*

Diavik's processed kimberlite containment facility: a case study in integrated mine closure planning and progressive reclamation *S Sinclair, Rio Tinto, Canada*

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- Generating a Global Industry Standard on Tailings Management knowledge base: harnessing artificial intelligence for enhanced decision-making in tailings management *C Tomlin, ERM, Australia; S Gibbons, ERM, UK*
- Developing tailings storage facilities closure criteria for a mine in Africa *D Tsegah, T Morapi, SLR Consulting, Ghana*
- Corporate guidance for social transition planning: AngloGold Ashanti case study *K Tshaka, AngloGold Ashanti, South Africa*
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- Global Industry Standard on Tailings Management implementation for legacy sites: specificities and lessons learned *C Vaguener, L Sprauer, Rio Tinto, France*
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- Retrospectively applying the Global Industry Standard on Tailings Management to legacy tailings facilities to achieve safe closure *A Vause, SLR Consulting, UK; E Wormeester, SLR Consulting, France*
- Tailings dam decommissioning projects in Brazil: an overview *G Vicarra, F Pereira, Vale, Brazil*
- Multi-criteria analysis for the evaluation and selection of closure measures during life of mine facilities *A Vivas, L Gutierrez, J Olivares, WSP, Chile*
- Mining sinkhole hazard and risk management in France: feedback and outlook *I Vuidart, Ineris, France; T Delaunay, GEODERIS, France; N Conil, M Marwan AL Heib, Ineris, France*
- Mine waste characterisation and seepage water quality *I Walder, Kjøøy Research & Education Center, Norway; RJ Embile, DHI Group, Sweden*
- Assessing the impacts of artisanal and small-scale mining on rehabilitated land *T Wanenge, N Mashiyi, AngloGold Ashanti, South Africa*
- How do we ensure more sustainable closure of mines? Experiences from mine closure frameworks, committees, and capacity building in Namibia *P Westrin, Swedish Environmental Protection Agency, Sweden; S Makili, Ministry of Mines and Energy, Namibia*
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Developing a Design Basis Memorandum for Mine Reclamation and Closure Workshop

22 September 2025 | Kulturens Hus, Luleå, Sweden

Integrating Indigenous Perspectives and Traditional Knowledge into Closure Planning: Opportunities for Practical Application Workshop | 22 September 2025 | Kulturens Hus, Luleå, Sweden

Learn more at acgmineclosure.com/2025/associated-events

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Inviting all conference delegates and partners to join us for an evening of fine dining and networking at the Mine Closure 2025 conference dinner, to be held in the stunning and historical Elite Stadshotellet Luleå.

Learn more at acgmineclosure.com/2025/dinner-venue-2



Three-Day Mine Closure Site Visit

26-28 September 2025 | Luleå, Sweden

The organisers are facilitating a site visit for some attendees of the Mine Closure 2025 conference.

The site visit will take place over three days and will include an exploration of the ecological compensation work at Sarkanenä Sustainability Park, the geomorphic test site in Svappavaara, and the LKAB visitor centre, a show mine situated 540 m below ground.

Learn more at acgmineclosure.com/2025/sitevisit

