Preliminary Technical Program

Time Zone Santiago, Chile. GMT -4 | English-Spanish-Portuguese Interpretation Available in all Technical Sessions

Tuesday, June 2

The parallel technical sessions will begin at 8:30 a.m. on Tuesday, June 2. The session distribution and times will be announced during the first week of May.

	INAUGURAL CEREMONY
	Welcome Words
18:00	**Mimy Mackenzie,** Conferences and Publications Manager, Gecamin, Chile **Jacques Wiertz,** Planning for Closure 2026 Program Director, Environmental Rehabilitation and Ecosystem Dynamics Team Leader, SMI-Chile, University of Queensland, Australia **Alberto Martínez,** Planning for Closure 2026 Co-Organizer, Chancellor, Universidad Arturo Prat, Chile **Víctor Quezada,** Planning for Closure 2026 Co-Organizer, Head, Mining and Metallurgical Engineering Department, Universidad Católica del Norte, Chile **José Francisco Martín,** Planning for Closure 2026 Co-Organizer, Full Professor, Universidad Complutense de Madrid, Spain **Francisca Rivero,** Planning for Closure 2026 Co-Organizer, Acting Executive Director, SMI-Chile, University of Queensland, Australia
	Welcome Message from BHP
19:00	**Dee Lingenfelder,** President of Pampa Norte, BHP, Chile
	Opening Talk
19:10	**Mine Closure with a Vision for the Future: Leadership and Long-Term Value for the Future of Mining** **Luisa Cares,** Planning for Closure 2026 Chair, Future Development Manager, Cerro Colorado, BHP, Chile
19:35	**Welcome Reception**

Wednesday, June 3

PLENARY SESSION 1

10:50 – 11:20

SPA

From Early Engagement to Community Co-Creation: Integrating Social Closure Planning in Mining

Lucila Lasry, Community Relations and Corporate Engagement Manager, EXAR, Argentina

11:20 – 11:50

SPA

Post-Mining Land Use Planning: Toward A Net Positive Gain

Andrés López, Environmental Planning & Ecology Manager, Ausenco, Chile

PLENARY SESSION 2

12:20 – 12:50

ENG

Governance and Financial Assurance in Mine Closure: Managing Long-Term Commitments in Large Mining Operations

Paulo Amaral Ribeiro, Technical Specialist in Mine Closure Strategy, Vale, Brazil

12:50 – 13:20

SPA

Achievements of Escondida's Progressive Closure Strategy: Advances in Legacy Issues Management and Agreement Implementation

Marcia Faermann, Environmental Closure Manager, BHP, Chile

Thursday, June 4

PLENARY SESSION 3

10:50 – 11:20

SPA

Cerro Colorado's Temporary Closure: Strategic Planning to Enable Future Operation

Alejandro Heilbron, Cerro Colorado Program Director, BHP, Chile

11:20 – 11:50

SPA

Optimization of Demolition Processes in Mining: Reducing Costs, Lead Times, and Risks

Michel Chait, General Manager, Flesan Minería, Chile

PLENARY SESSION 4

12:20 – 12:50

SPA

Geomorphic Restoration and Mine Closure: The State of the Art Worldwide

José Francisco Martín, Geomorphology Professor, Universidad Complutense de Madrid, Spain

12:50 – 13:20

SPA

Closing a World-Class Mining Operation: Scale, Complexity and Lessons from Cerrejón

Álvaro Gómez, Environment and Closure Superintendent, Cerrejón, Colombia

Received Articles

(107 articles as of April 20)

Represented Countries (16): Argentina, Australia, Brazil, Canada, Chile, Colombia, France, Mexico, Norway, Peru, South Africa, Spain, Sweden, Switzerland, UK and USA

PHYSICAL STABILITY (8 articles)

1. **(A06) Closure of Mining Waste Piles**
   Karippe Vieira, Paulo Amaral and Sandra Ribeiro, Vale, Brazil

2. **(A26) Reduction of Carbon Footprint in the execution of Mine Closure Covers with Geosynthetics**
   Gustavo Fierro, Tecnologia de Materiales, Peru

3. **(A36) Rainfall Infiltration in a Waste Rock and Tailings Pile: Case Study in Minas Gerais, Brazil**
   Daniel Henriques, Henrique Mendes, Gabriel Pereira, Ana Lúcia Yoda, Tractebel, Brazil; Isabella Viel and Luiza Morais, Vale, Brazil

4. **(A37) The Role of Geochemistry in the Long-Term Physical Stability of Mining Facilities**
   Renán Pulquillanca and Luciano Achurra, SLR Consulting, Chile

5. **(A39) Key Elements Vital for Using Erosion Models to Design Final Mine Landforms in Queensland, Australia**
   Louisa Nicolson, Office of the Queensland Mine Rehabilitation Commissioner, Australia

6. **(A50) Effects of Vegetation on the Stability and Closure of Mine Waste Dumps**
   Pedro Freu and Brendha Mota, Vale, Brazil

7. **(A90) Stability of Mine Closure Covers with Vegetative Species and Geosynthetics**
   Gustavo Fierro, TDM Group, Peru

8. **(A95) Best Practices for the Closure of Legacy Tailings Storage Facilities**
   Mauricio Ortuzar, Elizabeth Herrera, Emilio López and Claudia Reyes, Nava Consulting, Chile

CHEMICAL STABILITY (8 articles)

1. **(A11) Geochemical Behaviour of Cemented Oxidized Mine Tailings and Effectiveness in Limiting Acid Mine Drainage**
   Audrey Jalce, Isabelle Demers and Benoît Plante, Université du Québec en Abitibi-Témiscamingue (UQAT), Canada; Thomas Pabst, Norwegian Geotechnical Institute (NGI), Norway; Thomas Genty, Agnico Eagle, Canada; Eric Brouard, Holcin Innovation Center, France; and Sophie Turcotte, Ministry of Natural Resources and Forests, Canada

2. **(A43) Chemical Stability Assessment of Remaining Facilities at Cerro Colorado**
   Paula Martínez, Fernando López, Pampa Norte, BHP, Chile; Francisca Arriagada, Miguel Muñoz and Luisa Cares, Cerro Colorado, BHP, Chile

3. **(A59) Application of Natural Geochemical Background to Support Water Quality Objectives in Mine Closure**
   Alonso Huaman, Pablo Quesada, Amphos 21, Peru; and David Arcos, Amphos 21, Spain

4. **(A64) Analysis of Environmental Impacts on Groundwater Following the Closure of Barite Mining Activities**
   Taíse Rebouças, Vanessa Moura, Milena Santos, Elane Coêlho, Quézia Santos, Matheus Naves, ERM Consulting and Engineering, Brazil: Ben Crummins, Sahithi Rondla and Joseph Robb, ERM Consulting and Engineering, USA

5. **(A68) From Liability to Resource: Copper Mine Tailings as Structural Aggregates**
   Ítalo Montofré, Mathías Becerra, Vicente Zetola, Rodrigo Rojas and Elizabeth Lam, Universidad Católica del Norte, Chile

6. **(A73) Portable X-ray Fluorescence (pXRF) for Mining Geochemical Characterization: A Multi-Element Validation**
   Carla Barbosa, Marine Bouguereau, Oliver Cooper, Andrea Dupré and Nicolás Ferrada, Amphos21, Chile

7. **(A75) Chemistry to Closure: Using PHREEQC to Inform Pit Lake Closure Strategies in an Andean Mine**
   Vitor Leite, Alexander Flores, Carlos Quevedo, WSP, Peru; Layane Silva, WSP, Australia; Jahzeel Dueñas and Edwin Zegarra, Gold Fields, Peru

8. **(A83) Methodology for Delineating Impacted Soils in the Remediation of a Waste Storage Facility Under Closure**
   Marine Bouguereau, Carla Barbosa, Nicolás Ferrada, María Paz Muñoz, Paz Gutiérrez, Gladys Narváez, Amphos21, Chile; Felipe Couto, RSK Group, UK; and Marcia Faermann, Escondida, BHP, Chile

RISK ASSESSMENT (16 articles)

1. **(A09) Mine Closure Plan or Project? Myths and Realities**
   Ronald Aquino, Minsur, Peru

2. **(A10) Balancing the Mine Closure Equation: Conundrum or Opportunity?**
   Resa Furey, Cristian Marambio, Andrew Watson and Phillip Crouse

3. **(A17) Methodology for the Evaluation of Closure Alternatives**
   Ricardo Soto, Juan Tellez and José Ale, WSP, Peru

4. **(A18) Evaluation of the Hydrogeological Behavior of Tailings-Dolomite Co-Disposal to Mitigate Acid Mine Drainage**
   Javiera Farias, Isabelle Demers and Carmen Neculita, Université du Québec en Abitibi-Témiscamingue (UQAT), Canada

5. **(A22) Beyond the Crest: Plan Ahead**
   Tomás Argandoña, BGC Engineering, Chile; and Mike Belfry, BGC Engineering, Canada

6. **(A24) Decommissioning of Dams and Community Risk Management: Hydrological Assessment for Mine Closure**
   Letícia Pires, Guilherme Rodrigues, Zandra Cunha, Felipe Starling, Ana Viegas and Luanna Guimaraes, Vale, Brazil; and Sarah Luiz, Geoestável, Brazil

7. **(A27) Integrated Closure Strategies in Iron Mining: Experiences from El Algarrobo, Cerro Negro Cristales, Emisario Chapaco and El Romeral Tailings Deposit**
   Roberto López, Compañía Minera del Pacífico, Chile

8. **(A35) Governance for the Safe Closure of Tailings Storage Facilities: The Engineer of Record Perspective**
   Germán Toledo, Mauricio Gómez and Rodrigo Cádiz, Arcadis, Chile

9. **(A62) Advanced Geophysics for Risk Management in Mine Closure Planning**
   Sergio Labbé, VEOLIA, Chile

10. **(A65) Enhancing Closure Governance with Closure Maturity and Project Management over the Asset Life**
    Elzanne Moodie, Glencore, Switzerland

11. **(A76) Risk-Based Prioritization of Mine Closure Studies: A Quantitative Approach**
    Andreina Brugaletta, Carmelo Galindo and Daniela Levis, SRK Consulting, Argentina

12. **(A77) Closure Governance beyond Administrative Authorization: Tailings Closure Cases**
    Jorge Campos and Paula Saavedra, Anddes Asociados, Chile

13. **(A79) Smelter Closure and Remediation: Case Study**
    Horacio Dib, Anddes Asociados, Chile

14. **(A84) Understanding the Social Impacts of Mine Closure: Three Challenges for Effective SIAs**
    Camila Cabrera and Nigel Wight, SMI-Chile

15. **(A99) The Impact of Statistics on the Occupational Safety and Health Management System in Mine Closure Operations (2018–2025)**
    Paulino Mancha and John Melgarejo, Compañía de Minas Buenaventura, Peru

16. **(A109) Integrating Deconstruction Engineering into Mine Closure Planning: A Framework Across the Life of Mine**
    Clinton Dick and Ben Heraghty, Liberty Industrial, Australia

COSTS AND ECONOMIC ASSESSMENT (8 articles)

1. **(A03) Identification of Patterns in the Distribution of Mine Closure Costs**
   Clara Cheib, Débora Schaper and Ricardo Lessa, WSP, Brazil; and Kim Ferguson, WSP, Canada

2. **(A16) Analysis and reuse of the tailing from the Chicrín Antiguo deposit, Nexa Resources Peru**
   José Cayetano, Pasco Mining Complex, Nexa Resources, Peru

3. **(A23) A Differential Financial Assurance Model for ASM (MAPE) Closure in Colombia**
   Tommy Vallejo and Oscar Restrepo, Universidad Nacional de Colombia

4. **(A32) From ARO to LOM: A New Perspective and Proposal for Closure Planning Modeling**
   Mario Oliveira, Karippe Pulino, Paulo Ribeiro, Isabela Diniz and Alessandro Resende, Vale, Brazil

5. **(A72) Dynamic Simulation of Heap Leach Closure to Validate Mine Closure Schedules**
   Gonzalo Padilla and Claudio Loyola, Loyola Consultoría e Ingeniería de Procesos, Chile

6. **(A94) Evaluation of the Variability in the Direct Construction Costs of a Channel for Closure Conditions under Climate Change Scenarios**
   Danko Munita, Lilian Valdebenito, SRK Consulting, Chile; Felipe Montenegro and Marco Alfaro, Kinross, Chile

7. **(A96) Ex-Ante Estimation of Mine Closure Costs in Open-Pit Mining Operations**
   Mariel Carrión, Enrique Jélvez and Gustavo Lagos, Pontificia Universidad Católica de Chile

8. **(A107) Closure Cost Estimation in Waste Rock Dumps Using SRCE: Impact of Unit Rates and Fleet Strategies**
   Paola Cardozo, Felipe Montenegro, Marco Alfaro, Kinross Gold Corporation, Chile; Leonardo Aguirre, Braulio Osses and Ignacio Godoy, SRK Consulting, Chile

PROGRESSIVE CLOSURE (16 articles)

1. **(A02) Five Years On: Reflections on the Mine Rehabilitation Reforms and Their Impacts on the Queensland Resources Industry**
   Kate Baker, Office of The Queensland Mine Rehabilitation Commissioner, Australia

2. **(A07) Management of Progressive Closure in Filtered Tailings Deposits Using Phytotechnology**
   Leandro Licuime, Elizabeth Díaz and Katherine Ascencio, Compañía Minera del Pacifico, Chile

3. **(A19) Progressive Closure Planning and Sediment Management at a Mining Dam in Brazil**
   Marina Kolanski, Marco Nascimento, Osmar Costa, Tetra Tech, Brazil; and Raissa Cotta, Flaviane Thimotio and Samuel Tarazona, Vale, Brazil

4. **(A29) Progressive Closure of Compañía Minera Teck Quebrada Blanca: Cathode Plant**
   Arturo Mejías, Teck Resources, Chile

5. **(A33) Closure Planning of the Filtered Tailings Storage Facility at the Morelos Complex, Mexico**
   Rafael Curra, Torex Gold Resources, Mexico

6. **(A38) Rectification of the Pircas River, Remediation, and Removal of Historical Environmental Liabilities**
   Sergio Cacciabue, Julio Eller and Estefania Borgo, SSR Mining, Argentina

7. **(A45) Hydrological and Hydraulic Criteria for Mine Closure and Post-Closure Design**
   Mônica Almeida, Helena Castro, Fernando Aguilar and Vicente Mello, Aecom, Brazil

8. **(A47) Progressive Mine Closure: Digital Conceptual Model for Data Management and Decision Support**
   Maria Costa, Marcelo Cristo and Bárbara Vinent, Arcadis, Brazil

9. **(A52) Progressive Mine Closure at Cerro Moro: Circular Economy Strategies in Argentine Patagonia**
   Silvio Romano, Paulino Velázquez, Matías Peguero, Alejandro Acosta, Melisa Castro and Sergio Bravo, Cerro Moro, Pan American Silver, Argentina

10. **(A60) Rethinking Cemented Tailings Engineered Cover Performance Under Progressive Closure**
    Lincar Pedroni and Yvan Soré-Gamo Koutou, AtkinsRéalis, Canada

11. **(A61) Definitive Closure Plans at Hydrocarbon Mining Site ENAP Magallanes**
    Karina Cerna, Empresa Nacional del Petróleo (ENAP), Chile

12. **(A66) Progressive Mine Closure Under Environmental Constraints: Technical Lessons from Operations**
    Vilson dos Reis, Guilherme Cubi, Universidade Federal de Alfenas, Brazil; Felipe Souza and Hernani de Lima, Universidade Federal de Ouro Preto, Brazil

13. **(A69) Pilot Plan to Address Coverage Gaps in Components under the Phased Closure**
    Clark Nolasco and Javier Gonzales, Walsh, Peru

14. **(A89) GeoBIM Framework for Planning, Execution and Financial Management of Mine Closure**
    Rafael Modesto, B. Pinto and F. Dubeski, Intertechne Consultores, Brazil

15. **(A103) Evolution in Mine Closure Practice: Toward an Integrated and Sustainable Approach in Argentina**
    María de los Ángeles Salas, Knight Piésold Consulting, Argentina

16. **(A108) Case Study on Temporary Area Closure, Progressive Closure, and Dam Decommissioning**
    Rogério Santana, Flávia Ramos, Paul Cezanne and Juliana Esper, Jaguar Mining, Brazil

STAKEHOLDER ENGAGEMENT (15 articles)

1. **(A15) Social Transition in Mine Closure: Pathways for Participation and Impact Management**
    Hernán Maureira and Paula Muñoz, ARDUM Ingeniería, Chile

2. **(A34) From Early Engagement to Community Co-Creation: Integrating Social Closure Planning in Mining**
    Lucila Lasry, EXAR, Argentina

3. **(A40) The Role of Stakeholder Engagement in Creating a Positive Legacy for Mine Closure: A Means to an Effective Transition**
    Jessica Pryor and Chanel McCall, Digby Wells Environmental, South Africa

4. **(A48) Phasing Out Coal in El Cesar (Colombia): Towards a Just Socioeconomic Transition**
    Jeanette Moreno, Guillén Calvo, Insuco Center for Social Innovation, Colombia; and Diana Méndez, Insuco Center for Social Innovation, Mexico

5. **(A53) Participation and Social Risk Management as Cornerstones of Mine Closure Planning: Lessons from Recent Work in Colombia**
    Anny Gutiérrez, Martha Peñuela, ERM, Colombia; and Gillian Gregory, ERM, Canada

6. **(A63) Integration of ESG Principles in Mine Closure Management: a Case Study**
   Taíse Rebouças, Vanessa Moura, Milena Santos, Elane Coêlho, Quézia Santos, Matheus Naves, ERM Consulting and Engineering, Brazil; Ben Crummins, Sahithi Rondla and Joseph Robb, ERM Consulting and Engineering, USA

7. **(A70) Social Closure and Transition Through Strategic Stakeholder Engagement in Mine Closure**
   Yesenia Peláez, Newmont Yanacocha, Peru

8. **(A71) Potential Modifications to Law 20,551 for Just Labor Transitions in Permanent Mine Closures: Demographic Projections 2026–2036 and a Proposed New Institutional Framework**
   Gonzalo Padilla, Loyola Consultoría e Ingeniería de Procesos, Chile

9. **(A74) Building Trust: The Santa Cruz Experience in Implementing Mine Closure Policies with an ESG Approach**
   Paola Pavanello, ENERMIN, Argentina

10. **(A78) Quantifying the Intangible: The Role of Social Attachment in Mine Closure Planning and the Assessment of Potential Resettlement within Action Plans**
    Cecilia Ferrer, Cheryl Sater, Carolina Escudero, Paulina Contardo and Sebastián Ramírez, Gestiona Consultores, Chile

11. **(A80) The Mining and Quarry Restoration Network: Boosting Progress in Mine Rehabilitation**
    Cristina Martín-Moreno, Universidad Complutense de Madrid, Spain; and Beatriz Olmo, Red Restauración Minas y Canteras, Spain; Universitat Politècnica de València, Spain

12. **(A85) Capstone Copper: Early Citizen Participation Closure Plan**
    Solange Gantenbein, Mejores Prácticas Asociados, Chile; and Alejo Gutiérrez, Capstone Copper, Canada

13. **(A86) Creating Value Amid Uncertainty: Territorial Co-design of a Public–Private Agreement in the Context of the Temporary Closure of Cerro Colorado**
    Daniella Gómez, Francisca Basaure and Carlos Iribarren, Cerro Colorado, BHP, Chile

14. **(A100) Mine Closures and Heritage: The Dispute Over Liability in Santa Bárbara**
    Santos Silvestre and John Melgarejo, Compañía de Minas Buenaventura, Peru

15. **(A106) Community Reflections on Mine Closure: Social Challenges Beyond Environmental Considerations**
    Nicolás Riquelme, Cerro Colorado, BHP, Chile

FUTURE USE OF TERRITORY (9 articles)

1. **(A12) Post Mining Land Use: Global Perspective and Local Regulation**
   Javiera Soto, Paula Muñoz and Ximena Araneda, ARDUM Ingeniería, Chile

2. **(A21) Driving Innovation in Future Use Projects: The Sandbox Approach at Águas Claras Mine**
   Marina Oliveira and Gustavo Roque, Vale, Brazil

3. **(A28) Mine Closure Planning Infrastructure Reuse and Technological Innovation**
   Christian Ihle, René Lagas, and Cristian Reyes, SHIMIN Engineering, Chile

4. **(A30) Between Technique and Territory: Social Engagement in Future Land-Use Planning of the Águas Claras Mine**
   Eliane Almeida, Jussara Januário, Eduardo Duffles, Estevão Menegaz, Ana Paula Silva, Marina Oliveira and Gustavo Roque, Vale, Brazil

5. **(A82) Mine Closure Plan and Future Use Definition in the Context of the Decharacterization of Dams in Minas Gerais**
   Bruno Kamada and Rodrigo de Albernaz, AECOM, Brazil

6. **(A87) Tourism as a Strategy for Social Transition in Mining Closure: Challenges in a Locality in Northern Chile**
   Matías Villalobos-Morgado, SMI-Chile

7. **(A104) Nova Vila Project: Mine Closure and Economic Diversification in Nova Lima, Brazil**
   Marcos Morais, Fernando Claúdio, Fernanda Guabiroba and Pedro Costa, AngloGold Ashanti, Brazil

8. **(A105) The Closure of the Smelter as an Opportunity for the Transformation of Codelco Ventanas**
   Claudio Flores, División Ventanas, Codelco, Chile

9. **(A112) Carbon Balance Estimate in a High-Altitude Andean Peatland**
   María Paz Valenzuela, Jacques Wiertz, Felipe Labra, Edmundo Claro, Fernanda Caro, SMI-Chile; Lohengrin Cavieres, Marco Salamanca, Universidad de Concepción, Chile; and Macarena Troncoso, Universidad del Desarrollo, Chile

MINING LIABILITIES AND ORPHAN ABANDONED MINES (3 articles)

1. **(A13) Case Study: Use of Jet Grouting in Clay Soils for the Closure of a Long-Standing Inactive Tailings Deposit**
   Javiera Cortez, David Hernández, Pablo Valdés and Guillermo Tamblay, ARDUM Ingeniería, Chile

2. **(A97) Evaluation of the Short-Term Effect of Remediation of an Abandoned Sulfide Mine**
   José María Esbrí, M. L. Garcia-Lorenzo, I. Ferri-Moreno, S. Castell A. Ruiz, Universidad Complutense de Madrid, Spain; and Alba Martinez-Coronado, Universidad Rey Juan Carlos, Spain

3. **(A111) Multisensor Assessment of Surface Change at the La Paciencia Mining Liability (Chile) using Sentinel-1 and Sentinel-2**
   Eslainer Avendaño, Universidad Arturo Prat, Chile

POST-CLOSURE, MONITORING AND MAINTENANCE (6 articles)

1. **(A04) Holden Mine: Real-Time Monitoring for Closure and GISTM Conformance**
   Summer Sun, Phillip Crouse and Ray Dorow, Stantec, USA

2. **(A05) Future Land Use Selection Methodology and its Associated Costs**
   Eduardo Campana and Karlayne Pomalia, Klohn Crippen Berger, Peru

3. **(A20) Feasibility of MABIOMET Device for Monitoring Heavy Metals and Metalloids Bioaccessibility in Mining Soils**
   Carolina Parodi, Keyla Alencar and Miguel Montenegro, Universidad Tecnológica Metropolitana, Chile; and Jorge Mendoza, Universidad de Chile

4. **(A44) Groundwater Recovery: Implications for Mine Closure in Quadrilátero Ferrífero, Brazil**
   Ana Carolina Neves, Ana Paula Corrêa and Waldemar Felitti, Aecom, Brazil

5. **(A51) Post-Closure Fund Sensitivity to Maintenance Periodicity Variations**
   Victoria Vásquez and Claudia Goza, Pares y Alvarez, Chile

6. **(A93) Sustainable Post Mining Management**
   Malcolm Gallardo and John Melgarejo, Compañía de Minas Buenaventura, Peru

REHABILITATION AND REVEGETATION (8 articles)

1. **(A08) Evaluation of The Economic and Environmental Benefits of Using Geosynthetics for Mine Closure in Brazil**
   Bruna Todescan, TDM Geossintéticos, Brazil; and Gustavo Fierro, TDM Group, Peru

2. **(A14) Multi-Criteria Analysis for the Evaluation and Selection of Closure Measures During the Life of Mine Facilities**
   Julia Olivares, Angélica Vivas and Luis Gutiérrez, WSP, Chile

3. **(A46) Decontamination, Decommissioning and Demolition of Mining Assets**
   Nara Victoria, Vivian Sanches and Beatriz Gil, ERM, Brazil

4. **(A56) Application of Geocells for Substrate Retention and Revegetation in Mine Closure Cover Systems**
   Bruna Todescan, TDM Geossintéticos, Brazil; Lucas Machado and Marcelo Amaral, HIDROBR, Brazil

5. **(A58) Recovery of Arid Areas at Minera Bismark**
   Deisy Salas and Francisco Macías, Industrias Peñoles, Mexico

6. **(A81) The Potential of Integrated Solid Waste Management for Technosol Production and Mine Land Rehabilitation in Southern Brazil**
   Jéssica Weiler, Paulo da Rosa and Vitoria Garcia, Universidade Federal do Pampa, Brazil

7. **(A91) The LIFE RIBERMINE Project: Coupling of Best Practices in Mine Rehabilitation at Abandoned Mines**
   María Tejedor, Restauración Geomorfológica, Spain; Cristina Martín-Moreno, José Martín, Universidad Complutense de Madrid, Spain; and Greg Hancock, The University of Newcastle, Australia

8. **(A102) Minera Los Pelambres' Plan for the Closure of the Quillayes Dam Tailings Using a Phytostabilization Process**
   Francisco González, Minera Los Pelambres, Chile; Diego Moure and Daniel Green, Meristema Consultores, Chile

ECOLOGICAL RESTORATION (5 articles)

1. **(A41) Miners Become the Heroes: Shaping the Future of Sustainable Mining with Green Cubes**
   Erik Josefsson and Stina Langenius, Hexagon, Sweden

2. **(A54) Methodology for Environmental Compensation Planning for High-Andean Lagoon Systems in Mining Projects**
   Yeselin Díaz, Ana Cadillo, María Mercedes Medina, Pablo Quesada, Melitza Cornejo and Patricia Calderon, Amphos 21, Peru

3. **(A57) Surface Water Management for Mine Waste Dumps in Tropical Climates**
   Lincoln Almeida and Jéssica Lima, DF+ Engineering, Brazil

4. **(A101) Restoration of Bofedal and Wetlands through the Planting of Totora (Schoenoplectus Californicus)**
   Joel Ccente and John Melgarejo, Compañía de Minas Buenaventura, Peru

5. **(A110) Newmont Approach to Nature Positive**
   Mauricio Quiroz, Newmont Gold Corporation, Chile

GEOMORPHOLOGICAL RECONSTRUCTION (4 articles)

1. **(A49) Wanagon Overburden Stability and Closure Design at Grasberg Surface Mine**
   Pirmansah, Made Mahayasa and Mark Johnson, Freeport-McMoRan, USA

2. **(A67) Circular Economy Waste Valorization Driven by Geomorphic Rehabilitation: Carlota Iron Mine, Spain**
   Ignacio Zapico, Eduardo Sánchez, STONE161, Spain; Julio Garrote, Mikel Calle, Universidad Complutense de Madrid, Spain; and Fernando Prada, Nalon Minerals, Spain

3. **(A88) Geomorphic Landform Design in Latin America: Why It is Rare and the Spectrum of Possibilities**
   Neeltje Slingerland, WSP, Canada

4. **(A92) Geomorphic Rehabilitation Combined with AMD Remediation at Minas de Riotinto (Spain)**
   Emilio Sanjuán, José Pimiento, Atalaya Mining, Spain; María Tejedor, Restauración Geomorfológica, Spain; José Martín and David Jiménez, Universidad Complutense de Madrid, Spain

ARTICLES DISTRIBUTION

MINING COMPANIES (43 articles)

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Teck Resources, Chile (1)
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Minera Los Pelambres, Chile (1)
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División Ventanas, Codelco, Chile (1)
Jaguar Mining, Brazil (1)

ENGINEERING AND CONSULTING COMPANIES (41 articles)

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ARDUM Ingeniería, Chile (3)
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Tecnologia de Materiales, Peru (1)
HIDROBR, Brazil

VEOLIA, Chile (1)
TDM Group, Peru (1)
Liberty Industrial, Australia (1)

UNIVERSITIES AND RESEARCH CENTERS (14 articles)

Université du Québec en Abitibi-Témiscamingue (UQAT), Canada (1)
Holcin Innovation Center, France
Universidad Tecnológica Metropolitana, Chile (1)
Universidad de Chile
Universidad Nacional de Colombia (1)
SMI-Chile (3)
Universidad Católica del Norte, Chile (1)
Universidad Complutense de Madrid, Spain (3)
Universidad Rey Juan Carlos, Spain
STONE161, Spain
Universidade Federal de Alfenas, Brazil (1)
Universidade Federal de Ouro Preto, Brazil
Universidade Federal do Pampa, Brazil (1)
The University of Newcastle, Australia
Universitat Politècnica de València, Spain
Pontificia Universidad Católica de Chile (1)
Universidad de Concepción, Chile
Universidad del Desarrollo, Chile
Universidad Arturo Prat, Chile (1)

STATE-OWNED INSTITUTIONS, NGOS AND GOVERNMENT AGENCIES (4 articles)

Office of The Queensland Mine Rehabilitation Commissioner, Australia (2)
Ministry of Natural Resources and Forests, Canada
Norwegian Geotechnical Institute (NGI), Norway
Insuco Center for Social Innovation, Mexico (1)
Insuco Center for Social Innovation, Colombia
Red Restauración Minas y Canteras, Spain
ENERMIN, Argentina (1)