

RECEIVED ABSTRACTS

(56 abstracts as of January 7)

Represented Countries (15): Argentina, Australia, Brazil, Canada, Chile, Ecuador, France, Germany, Indonesia, Kenya, Mexico, Peru, D. R. of Congo, South Africa and Spain

Innovation In Sustainability Governance

(14 abstracts)

Revegetation with Local Species In “Los Maitenes – Campiche” Wetland: A Transformative Story at A Biodiversity and Landscape Scale

Marcela Pantoja, Ventanas Division, Codelco, Chile

The Inca Agricultural Legacy in Piraucho

Janneth Alejandro, Nelson Núñez and Maribel Arévalo, Newmont, Peru

Early Phase Integrated Management System

Oscar Sagardía, Proyecto Josemaría, Lundin Mining, Argentina

The Potential of Blockchain-Driven Mineral Traceability to Enhance Sustainability in Artisanal and Small-Scale Mining

Dickson Wachira, Taita Taveta University, Kenya; Antoine Mulaba, University of Johannesburg, South Africa; Jan Clemens, Université de Mbuji-Mayiand, République Democratique du Congo; and Bernard Alunda, TU Bergakademie Freiberg, Germany

Sustainable Water Management in Copper Production: An Analysis of The Water Balance at the Salobo Mine

Izabelle Almeida, Guilherme Barbosa and Heygon Salomão, Vale Base Metals, Brazil

Territorial Governance in Mine Closure: Integration of Multiple Internal Stakeholders to Leverage Local Sustainability

Aline do Nascimento, Luanna di Guimarães, Adelson Dias and Fabiana Reis, Vale, Brazil

Progressive Closure: Integrated Vision of Territories and Synergies Between Assets

Aline do Nascimento and Luanna di Guimarães, Vale, Brazil

Value Extraction in The Retrofitting of Components Removed During the EV Conversion as A Contributing Solution to Possible Water Contamination

Njabuliso Dlamini, Antoine Mualaba and Nicholas Xavier, University of Jahannebsurg, South Africa

Mining Waste for Soil Remineralization: Sustainable Soil Management and Maize-Sorghum Cultivation

Nericlenes Marcante, Mathaus Mandro, Karina Silva and Juliana Sato, Mineragro Pesquisa Agronômica, Brazil; and Marcos Lewin and Thiago Morais, Lundin Mining, Brazil

Composition of Medium and Large Mammals: Inventory in the Onça Puma Mine Area – Pará, Brazil

Mardhel Tavares, Larissa Bargoena, Sérgio Melo, Stella Malcher and Edipo Nogueira, Vale Base Metals, Brazil

Passive Treatment for Acid Mine Drainage

Bruno Guimarães, Schweyka Holanda, Sergio Melo, Nayana Carvalho and Roberto Webber, Vale Base Metals, Brazil

Investigating Innovative Metallurgical Approaches for Optimizing Material Recovery and Sustainability in Electric Vehicles (EVs) Conversion to Address the Challenges of Supply Chain Stability and Environmental Impact

Njabuliso Dlamini, Antoine Mualaba and Nicholas Xavier, University of Jhannesburg, South Africa

Towards Improved Closure Performance: Advancing Closure Maturity with integrated Life-of-Asset Planning

Greys Palma, Jonathan Sanders, Abrelle Poole and Reannon Portas, Klohn Crippen Berger, Australia

Use of Renewable Energy Sources in a GHG Emission Reduction Strategy

Rafael Curra and Jesus Erives, Torex Gold Resources, Mexico

Measurement and Report of Sustainability: Indicators and Certifications

(2 abstracts)

Mapping the Social Risks of a Mining Operations in The Amazon Region – Brazil

Emilene Nunes and Simone Picarelli, PM Analysis, Brazil; and Ana Amorim, Viviane Penna, Jacinto Neto, Delilah Durans, Barbara Espindola, Marluce Mendonça, Henrique Silva, Juliete Pereira and Fabio Abdala, Alcoa, Brazil

Codelco: Reinforcing Responsible Production with Copper Mark Certification

Pablo Contreras, Codelco, Chile

Sustainable Management in the LOM: Integrating Sustainability from Design to Closure

(3 abstracts)

Sustainable Mining: Optimization of Mining Projects to Achieve Net Positive Impact on Biodiversity

Álvaro Vergara, Optima Consulting, Chile

Comprehensive Mine Closure Planning: A Comparative Approach

Angélica Vivas and Carlos Oyarzo, WSP, Chile

Evaluating Mine Closure Transparency: An Open-Source Analysis

Luanna Di Guimarães, Vale, Brazil; Hernani Lima, Universidade Federal de Ouro Preto, Brazil; and Uajará Araújo, Centro Federal de Educação Tecnológica de Minas Gerais, Brazil

Emerging Technologies in Monitoring, Control and Validation for Environmental Management (3 abstracts)

Tools and Criteria for The Management of Temporarily Mine Closure In Minas Gerais State/Brazil

Patrícia Fernandes, Daniela Oliveira and João Cecotte, Fundação Estadual do Meio Ambiente, Brazil

Evaluation of Toxic Metal Concentrations in Vegetables Cultivated with Remineralizers

Nericleenes Marcante, Mathaus Mandro, Karina Silva and Juliana Sato, Mineragro Pesquisa Agronômica, Brazil; and Marcos Lewin and Thiago Morais, Lundin Mining, Brazil

Development of a Flotation Classification and Control Operating System and Its Impact on Energy Efficiency and Tailings Thickness

Fabiola Millanao, Universidad de Chile

Risk Management of Mine Wastes

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Feasibility and Sustainability of Reprocessing Old Copper Tailings: A Case Study from Central Chile

Matías Velazco, Geologic AI, Chile

Failures and Efficiency Losses in Operational Wastewater Treatment Plants in the Salta Puna Region - Argentina, 2023

Gonzalo Área, Pablo Área Servicios, Argentina

Prediction, Prevention and Control of Environmental Impacts

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Implementation of the Prevention and Mitigation Plan for Drought Periods at The Salobo Mine

Glauber da Rocha, Vale Base Metals, Brazil

MAFMINE ESG: Integrating Environmental, Social, and Economic Performance for Mining Projects

Upiragibe Pinheiro, Weslei Ambrós, Ana Passuello, Anne Ventura and Carlos Petter, Federal University of Rio Grande do Sul, Brazil; and Janaine Gaelzer and Bogdan Cazacliu, Université Gustave Eiffel, France

Characterization of metals in the Napo River Puerto Napo Parish, Cantón Tena, Ecuador

Angélica Tasambay and Cristian Fiallos, Universidad Estatal Amazónica, Ecuador

Methodological Proposal for The Optimization of Road Wetting to Reduce Particulate Matter Pollution Applied to Mining in Chile

Juan José Garcés, Universidad de Santiago, Chile; and Marcos Medina, Universidad de Santiago, Spain

Mercury in Water and Artisanal Gold Mining in South Africa: Review

Evariste Umba-Tsumbu, Willie Nheta, Antoine Mulaba and Elvis Fosso, University of Jhanneburg, South Africa

Storm-petrel Modelling Predicts Overlapping with Development Projects in Antofagasta Region

Camilo Manzo, Rodrigo Villalobos and María José Faúndez, ENVIS, Chile; and Daniel Terán, Red de Observadores de Aves y Vida Silvestre de Chile (ROC)

Acid Leaching and Toxic Element Analysis of Mica Schist Powder in Two Soils Using Lysimeters

Nericleenes Marcante, Mathaus Mandro, Karina Silva, Juliana Sato, Mineragro Pesquisa Agronômica, Brazil; and Marcos Lewin and Thiago Morais, Lundin Mining, Brazil

Utilization of Copper Mine Tailings for Construction Material and Land Farming Development at PT Freeport Indonesia

Sri Simanjuntak and Sastro Simatupang, PT Freeport Indonesia

Evaluation of Tools for Advancing in Sustainable Mining and Air Quality Management in Riotinto Mine

Raúl Arasa, Óscar Hernández, Elisa Etkorn and Gabriel Noblia, Meteosim, Spain; Milagros Herrera, David Fuertes and Eliot Llopis, GRASP Earth, France; and Jesús de la Rosa and Ana Sánchez, University of Huelva, Spain

Rehabilitation, Remediation and Biodiversity

(4 abstracts)

Application of Phytosociology and Drone-based Spatial Imaging in Monitoring Rehabilitated Areas after Mining Activities

Brígida da Costa, Companhia Geral de Minas, Brazil; and Wellington Freitas, Fluminense Federal University, Brazil

Copper Slag, from Waste to By-product: A Necessary Step for Sustainable Mining Management

Marcela Pantoja, Ventanas Division, Codelco, Chile

Multifunctional Nature-Based Solution for Carbon Sequestration in Mining Environmental Liabilities

Darlyng Pontigo, Uro Ledesma and Pablo Dahech, REMA, Chile; and Claudia Ortiz, Universidad de Santiago, Chile

Assessment of Mining Waste and Saprolite Proportions for Vegetation Cover in Tailings Piles

Nericlenes Marcante, Mathaus Mandro, Karina Silva and Juliana Sato, Mineragro Pesquisa Agronômica, Brazil; and Marcos Lewin and Thiago Morais, Lundin Mining, Brazil

Sustainable Energy for Green Mining

(1 abstract)

A Reflection on The Role of Energy Transition Minerals in Zimbabwean Energy Mix Sector

Everjoy Muchefa and Antoine Mulaba, University of Jhannesburg, South Africa

Climate Change: Vulnerability and Adaptation

(1 abstract)

Summary of the International Seminar on Sustainable Mining: Carbon Footprint Quantification Program of Products/Services for Mining Suppliers

María José Ruiz-Esquide and Sebastián Franco, Codelco, Chile

Prior Consultation, Inclusive Dialogue and Participation in Decisions

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Social Responsibility in Mining for More Than 120 Years: Best Practice Example from Germany

Tobias Metzger, RWE Technology International, Germany; and Bernd Houben and Melanie Gutmann, RWE Power AG, Germany

Perception of Colla Indigenous Communities in Atacama on the Impact of Lithium Extraction in their Territories

Patricio Suazo, Senior Social Performance Advisor, Chile

Procedural Fairness and Binding Dialogues: The Adaptive Challenge of The Mining Industry in Chile

Cristina Fernández, Cía. Minera Candelaria, Lundin Mining, Chile; and Javier Muñoz, Lundin Mining, Canada

From Conflict to Active Participation of Children in Resettlement Processes

José Tovar, SRA, Mexico; and Cynthia Gastelum, Independent Writer, Mexico

Building Trust: Mining as a Catalyst for Sustainable Development

Paola Pavanello, Secretaría de Estado de Minería - Santa Cruz, Argentina

From Social Licence to Social Performance

Carla Martínez and Maite Reyes, WSP, Australia; and Ricardo Delano, WSP, Chile

Social Context and Social License to Operate of the Chapada Mine – Lundin Mining Brazil

Josielle Silvestre, Lundin Mining, Brazil

Indigenous Peoples, Indigenous Rights and Mining

(3 abstracts)

Indigenous Cultural Heritage Management: The Australian Case

Carla Martínez, Louise Beaton and Maite Reyes, WSP, Australia

Delivering Shared Value with Indigenous Communities

Mellissa Case, Bechtel Mining and Metals, Australia

The Importance of Building Strong Relationships with Local and Indigenous Communities from Within the Mining Industry

María Ana Rubinstein and María Luz Silva, Ausenco, Argentina

Social Investment, Community Development and Collective Impact

(5 abstracts)

Mujeres en Red: Other Ways of Being Reborn

Soledad Méndez and Mercedes Pagés, Josemaría Project, Lundin Mining, Argentina

Program “Technicians of The Future”

Michelle Ureta, Ventanas Division, Codelco, Chile

Investigating The Economic Potential of By-Product Critical Energy Minerals (CEMs) From Primary Mineral Extraction

Olushola Eniowo, M. Mpanza, Antoine Mulaba and Hendrik Grobler, University of Jhanneburg, South Africa

Resettlement Following the Fundão Dam Failure: A Case Study in Community Participation and Livelihood Restoration

Rachel Starling, BHP, Brazil

Strengthening Identities: The Enhancement of Chile's Cultural Heritage as An Opportunity for Investment Projects

Antonia Tapia and Florence Constantinescu, Envis, Chile

Local Procurement and Supply Chain Management

(1 abstract)

Catering Supplier Development in Iglesia, San Juan, Argentina

Marcos De la Iglesia, Lundin Foundation, Argentina

Gender, Diversity and Inclusion Programs

(1 abstract)

Parental Leave Policies in Mining: A Review of Current Practices and Their Role in Attracting and Retaining Women

Katherine Arenas and Anne Johnson, Queen's University, Canada

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Supplier Companies

(2 abstracts)

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REMA, Chile (1)
GRASP Earth, France

Universities and Research Centers

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Fluminense Federal University, Brazil

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State-Owned Institutions, NGOs and Government Agencies

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