

PRELIMINARY PROGRAM

(55 abstracts as of July 26)

Represented countries (16): Australia, Brazil, Canada, Chile, Colombia, Ecuador, Germany, Ireland, Malaysia, Mauritius, Mexico, Peru, South Africa, Switzerland, UK and USA

Plenary Presentations

- 1. COP 25: planificación y expectativas** (Title TBC)
Carolina Schmidt, Minister, Minister of the Environment, Government of Chile
- 2. “Equilibrio virtuoso. Desarrollo minero y social: el caso de Minera Collahuasi”** (Title TBC)
Jorge Gómez, Executive President, Cía. Minera Doña Inés de Collahuasi, Chile
- 3. “Innovación, inclusión y sustentabilidad en el desarrollo del Proyecto Nueva Unión”**
Petri Salopera, Sustainability Director, NuevaUnión, Chile
- 4. “Más Alto, un cambio de cultura en Altonorte para lograr ser una fundición de clase mundial”**
Beatrice Pierre, General Manager, Altonorte, Chile
- 5. “Energy Efficiency and Use of Renewables Energies in Antofagasta Minerals”**
Diego Lizana, Deputy Manager of Energy Efficiency, Antofagasta Minerals, Chile
- 6. “Global Drivers and Trends for Sustainable Mining: Why Mining with Principles is Critical to the Industry's Continued Success”**
Nicky Black, Director of Environmental Stewardship and Social Progress, ICMM, UK
- 7. “Avances y evolución de las relaciones con comunidades: Experiencias de Teck en Chile”** (Title TBC)
Herman Urrejola, Gerente de Gestión Comunitaria, Teck Chile
- 8. “Plan de control de riesgos medio ambientales y desempeño social de División Ventanas, Codelco”** (Title TBC)
Cristhian de la Piedra, Manager of Sustainability and External Affairs, Ventanas Division, Codelco, Chile
- 9. “Albemarle y la nueva minería del litio: diálogo + sustentabilidad + valor compartido”**
Ellen Lenny-Pessagno, Country Manager, Albemarle, Chile
- 10. “Minería para la sostenibilidad: el desafío de Los Bronces”**
Leonel Sierralta, VP of Environment and Permits, Anglo American, Chile

Panel Discussion, Thursday, September 5

“Sustainability of the Mining Process: An Industry-wide Challenge”

- The Panel Discussion will be composed of prominent mining executives, members of the CAMCHAL and important actors of the mining area.

ENV - Emerging Technologies in Monitoring, Control and Validation for Environmental Management

(6 abstracts)

(A02) Chilean Artisanal Mining: A Gambling Scenario

Constanza Espinoza, Jacopo Seccatore and Miguel Herrera, Universidad Adolfo Ibáñez, Chile

(A25) The Role of Good Environmental Data Management in Reducing Risk and the Challenges Involved

Henrik Frijs, Phil Ely, Javier Murdocca and Lindsay Danyluk, EHS Data, UK

(A37) Remote Sensing uses in Evaluation of Environmental Impacts and Degraded Areas Rehabilitation

Yago Pinto, Terezinha Neta, Joao de Sousa and Mauro Meyer, Insitituto Federal do Rio Grande do Norte, Brazil; and Silas Costa and Christian Rocha, Universidade Federal do Rio Grande do Norte, Brazil

(A45) Kell Process: Efficient, Low-Energy Metals Recovery and Refining On-Site with Low Environmental Impact

Lisa Smith, Mike Adams and Keith Liddell, Lifezone, Mauritius

(A68) Chilean Entities of Environmental Inspection and Certification: Challenges and Opportunities for Improvement

Sebastian Rebolledo and Nicolás Espinoza, Eelaw Environment and Energy Legal Advice, Chile

(A84) Midterm Environmental Strategy for Port Facility and Desal Plant in Caldera Bay

Jorge Bravo and Humberto Espejo, Candelaria Mine, Lundin Mining, Chile

ENV - Mine and Hazardous Wastes Management

(6 abstracts)

(A15) Planning Radiological Risk Mitigation for Remediation of Abandoned Uranium Mines

Elizaveta Petelina, David Sanscartier and Alexey Klyashtorin, Saskatchewan Research Council, Canada

(A26) Minimizing Environmental Impacts through the Elimination of Tailings from Mining Operations

Carlos Motta, Knowledge Direction, Brazil; Daniel Pereira, Juliana Monteiro, Livia Mello, Maria Siqueira, Rodrigo Gomes and Thaiza Bissacot, Nexa Resources, Brazil; and Marcus Fonseca, Universidade Federal do Rio de Janeiro, Brazil

(A46) Synthetic Geomembranes Improve the Safety of Tailings Dams

Gabriella Vaschetti and Marco Bacchelli, Carpi Tech, Switzerland; and Alberto Scuero, Carp Group, Switzerland

(A67) Partitioning of Potentially Toxic Elements and Environmental Risk Assessment in Copper Tailings from Chile

David Rubinos, SMI-ICE, Chile; Óscar Jerez and Ursula Kelm, Universidad de Concepción, Chile; Giti Forghani, Shahrood University of Technology, Iran; and Mansour Edraki, Sustainable Minerals Institute, The University of Queensland, Australia

(A90) Selective Re-Mining Of Tailings-Bodies and Separation of Valuable Elements from Heap Leaching Related Mine Waters: A Way of A More Sustainable Mining

Nils Hoth, Maria Ussath, Marlies Grimmer and Janith Abeywickrama, TU Bergakademie Freiberg, Germany; Frank Haubrich, G.E.O.S. mbH, Germany and Ursula Kelm, Universidad de Concepción, Chile

(A92) Microbial Taxonomic and Metabolic Diversity in Gypsum Evaporites in Salar de Llamara

Cecilia Demergasso, Roberto Véliz and Alex Echeverría, Universidad Católica del Norte, Chile; Lorena Escudero, Centro de Investigación Científica y Tecnológica para la Minería, Chile; and Ismael Aracena, SQM, Chile

ENV - Prediction, Prevention and Control of Acid Drainage and Effluents

(1 abstract)

(A63) Planning for the Rehabilitation of a Drainage Adit at a Former Copper Mine

Jana Heymann and Holmer Tscheschlok, CDM Smith, Germany; Roger Olsen, CDM Smith, USA; and Ruairi O'Carroll, CDM Smith, Ireland

ENV - Prediction, Prevention, Monitoring and Control of Dust

(3 abstracts)

(A41) The Effects of Metal-Bearing Mine Dust on Surface Water Chemistry

Amy Cleaver and Heather Jamieson, Queen's University, Canada; and Philippa Huntsman and Carrie Rickwood, Natural Resources Canada

(A47) Environmental Risk Associated with Modern and Historic Dispersal of Arsenic-Bearing Dust from the Giant Gold Mine, Canada

Heather Jamieson, Alexandra Bailey, Cristopher Schuh, Kirsten Maitland and Jon Oliver, Queen's University, Canada; and Michael Palmer, Carleton University, Canada

(A79) The Use of a Lithium Industry By-Product for Improved Mine Water Management through Dust Suppression

Álvaro González, Carlos López and Marcelo González, Pontificia Universidad Católica, Chile; Doug Aitken, SMI-ICE, Chile; and Christian Heitzer, Universidad Santa María, Chile

ENV - Aspects of Land Use, Planning and Mine Closure

(4 abstracts)

(A05) Environmental Data Management System for Mine Site Remediation and Closure

Anton Sizo and Elizaveta Petelina, Saskatchewan Research Council, Canada

(A11) Alternative Closure Methods for Mine Openings at Remote Legacy Mines

David Sanscartier and Patty Ogilvie-Evans, Saskatchewan Research Council, Canada

(A14) Former Lorado Uranium Mill Site Remediation Project

Elizaveta Petelina and Skye Ketilson, Saskatchewan Research Council, Canada

(A54) The German Wismut Environmental Remediation Program: Status and Challenges

Andrea Kassahun and Michael Paul, Wismut GmbH, Germany

ENV - Land Rehabilitation, Remediation and Biodiversity

(5 abstracts)

(A09) Biodiversity Offsets and the Mitigation Hierarchy: Key Components for a Project Design and Implementation

Victoria Alonso and Marcelo Ringeling, Templado, Chile

(A16) New Ecological Restoration Practices in Mine Closure Areas

Iván Salas, Hudbay, Peru

(A28) Mining Impacts to Geological Heritage of Jandaíra Formation, Northeast Brazil

Terezinha Medeiros, Naria de Oliveira and João Saraiva, Instituto Federal do Rio Grande do Norte, Brazil; and Silas Costa, Universidade Federal do Rio Grande do Norte, Brazil

(A29) Mining and Geoconservation in Seridó Geopark Project, Northeast Brazil

Silas Costa and Marcos Leite, Universidade Federal do Rio Grande do Norte, Brazil; Robson de Oliveira and Terezinha Medeiros, Instituto Federal do Rio Grande do Norte, Brazil

(A76) Phosphate-Assisted Phytostabilization of Sulfidic Pb-Zn Tailings Decreased Metals Biomobilization

Felipe Saavedra-Mella, SMI-ICE, Chile; and Gordon Southam and Longbin Huang, The University of Queensland, Australia

ENV - Renewable Energies and Management of Water Resources

(5 abstracts)

(A19) The Use of Non-Conventional Renewable Energies in Chilean Copper Mining

Rosana Brantes, COCHILCO, Chile; and Fernando Pino, Independent Consultant, Chile

(A44) Contributing to SDG6 through Water, Sanitation and Hygiene (WaSH): Mining Opportunities and Risks

Hayley Zipp and Hannah Clayton, International Council on Mining and Metals, UK; and Neil McIntyre, Kathryn Sturman, Liliana Pagliero and Glen Corder, The University of Queensland, Australia

(A78) A New Approach towards Sustainable Water Use in the Aconcagua Basin-The Codelco Andina Water Quality Management System

Humberto Rivas and Claudia Nuñez, Andina Division, Codelco, Chile

(A87) Water Cycle Study in the Tilopozo Lagoon Ecosystem, Salar de Atacama, Chile

Ramón Aravena, University of Waterloo, Canada; and Gonzalo Auria, Álvaro Henríquez and Corrado Tore, SQM Salar, Chile

(A89) Energy Efficiency and Use of Renewables Energies in Antofagasta Minerals

Diego Lizana, Antofagasta Minerals, Chile

ENV - Vulnerability and Adaptation to Climate Change

(1 abstract)

(A85) Climate Change Initiatives and Commitments from Chile Copper Mining, Based on Climate Smart Mining from World Bank

Juan Pablo Rubilar, Carolina Aguayo, Corporation Alta Ley, Chile; and María Luz Farah, WSP, Chile

SR - Sustainable Development and Corporate Strategy: Commitments, Sustainability Indexes and Reporting

(4 abstracts)

(A10) Sustainability Assessment for Mine Remediation

Elizaveta Petelina, David Sanscartier and Susan MacWilliam, Saskatchewan Research Council, Canada; and Reanne Ridsdale, University of Saskatchewan, Canada

(A53) Social and Environmental Risk Management of the Quellaveco Project in Peru

Norman Gridley, Independent Consultant, Chile; and Denise Pereira, Anglo American, Chile

(A71) Environmental Compliance Strategies: Overview and Proposals to Promote the Use of Collaborative Approaches

Ivette Cárdenas and Paulina Riquelme, Eelaw Environment and Energy Legal Advice, Chile

(A86) Lessons Learned from Caserones Project: from “Regalito” to “A Permanent Challenge”

Ana Zúñiga and Gonzalo Araujo, Caserones, SCM Minera Lumina Copper, Chile

SR - Prior Consultation, Inclusive Dialogue and Participation in Decisions

(6 abstracts)

(A03) Integration of Local Knowledge Key to Effective Remediation of Legacy Uranium Mine Sites

Ian Wilson and Joseph Muldoon, Saskatchewan Research Council, Canada

(A21) Early Citizen Involvement in Projects That Have an Impact on Resettlement: Dialogue of Knowledge

Jorge Ávila, Arcadis, Chile

(A27) Resettlement: A Platform for Conflict Resolution, Human Rights Promotion and Sustainable Development

Edwin Urresta, Environmental Resources Management, Mexico; and José Tovar, Environmental Resources Management, Canada

(A36) The Canary in the Cage: Community Voices and Social License to Operate in Central Eastern Europe

Cathryn MacCallum, SRK Consulting, UK; and Mark Proctor, Swansea University, UK

(A64) Early Community Participation in NuevaUnión Project

Eliana López, NuevaUnión, Chile

(A69) Building a Roadmap for Sustainable Development in the Province of Huasco

Juan Carrasco, NuevaUnión, Chile

SR - Indigenous Peoples, Indigenous Rights and Mining	(0 abstract)
--	--------------

SR - Human Rights and Social Due Diligence	(2 abstracts)
---	---------------

(A20) Due Diligence in Human Rights and Business: Methodology for the Value Chain in Mining

Vilma Pérez, Karla Benavides and Beatriz Sandoval, Arcadis, Chile

(A91) Participatory Water Monitoring Involving Communities in Managing Our Impacts

Juan Pablo Vega, Teck Resources, Chile

SR - Social Investment, Community Development and Collective Impact	(6 abstracts)
--	---------------

(A13) Newmont Goldcorp Sports Academies

María De Gasperin and Lorena Granados, Peñasquito Mine, Goldcorp, Mexico

(A30) Tourism as a Cleaner Production Tool in Mining Industry

Silas Costa, Eduardo Braga, Universidade Federal do Rio Grande do Norte, Brazil; Lucas dos Santos, Universidade de São Paulo, Brazil; and Yago Pinto, Instituto Federal do Rio Grande do Norte, Brazil

(A49) A Territorial Approach to Corporate Social Responsibility in Extractive Industry: The Case of Fruta del Norte

Patricio Carvallo, Insuco, Ecuador; Guillén Calvo, Insuco, Colombia; and Nathan Monash and Juan José Herrera, Lundin Gold, Ecuador

(A70) Codelco Promotes the Installation of Solar Heaters in the City of Calama

Leonardo Herrera, North District, Codelco, Chile

(A72) Culturally Sensitive Architectural Design and Stakeholder Engagement as Success Factors in Community Resettlement

Etienne Joubert and Thabani Mlilo, Anglo American Platinum, South Africa; and Peter Rich, Peter Rich Architects, South Africa

(A83) Resignification of Spaces for Community Strengthening and Development: The Case of the Toconao Mining Camp

Alejandro Bucher, SQM Salar, Chile

SR - Innovation in Management Systems and Social Evaluation	(3 abstracts)
--	---------------

(A08) The Use of Digital Tokens in Achieving Sustainable Mining Social Goals

Liam Smith, Vollar, South Africa

(A48) Narrowing Gaps for Social Risk Prevention: Social Management Systems Integration

Patricia Díaz and Filipa Vicente, ERM, Peru

(A77) Social Change Assessment: Integrating Social Science, Spatial Analysis and Participatory Approaches to Enhance Social Impact and Risk Management of Mining Projects or Operations

Danielle Crawford, OceanaGold Corporation, Australia; Dirk Arts, Social Performance of Extractives, Peru; and Alex Lechner, University of Nottingham, Malaysia

SR - Local Procurement and Supply Chain Management

(2 abstracts)

(A12) Valuable Ideas Program at the Peñasquito Mine

María De Gasperin and María Martínez, Peñasquito Mine, Goldcorp, Mexico

(A73) Development of Local Suppliers at Teck Carmen de Andacollo

Marcelo Stefanini and Miguel Muñoz, Minera Carmen de Andacollo, Teck, Chile

SR - Labor, Gender and Community Development

(0 abstract)

Others

(1 abstract)

(A93) Collahuasi: Leading a Business of Excellence with Passion

Paula Quinchel and Matías Aylwin, Compañía Minera Doña Inés de Collahuasi, Chile

ABSTRACT DISTRIBUTION**Principal Companies****(22 abstracts)**

Peñasquito Mine, Goldcorp, Mexico (2)
Hudbay, Peru (1)
Nexa Resources, Brazil (1)
Anglo American Platinum, South Africa (1)
Anglo American, South Africa
Lundin Gold, Ecuador (1)
Anglo American, Chile (1)
Wismut GmbH, Germany (1)
NuevaUnión, Chile (2)
North District, Codelco, Chile (1)
Minera Carmen de Andacollo, Teck, Chile (1)
OceanaGold Corporation, Australia (1)
Andina Division, Codelco, Chile (1)
SQM Salar, Chile (2)
Candelaria Mine, Lundin Mining, Chile (1)
Caserones, SCM Minera Lumina Copper, Chile (1)
Antofagasta Minerals, Chile (1)
Teck Resources, Chile (1)
SQM, Chile (1)
Collahuasi, Chile (1)

Engineering and Consulting Companies**(11 abstracts)**

Templado, Chile (1)
WSP Consulting, Chile
Independent Consultant, Chile (1)
Arcadis, Chile (2)
Knowledge Direction, Brazil
Environmental Resources Management, Mexico
Environmental Resources Management, Canada (1)
SRK Consulting, UK (1)
Lifezone, Mauritius (1)
ERM, Peru (1)
Insuco, Ecuador
Insuco, Colombia
CDM Smith, Germany (1)
CDM Smith, USA
CDM Smith, Ireland
Eelaw Environment and Energy Legal Advice, Chile (2)
Peter Rich Architects, South Africa
G.E.O.S., Germany
Social Performance of Extractives, Peru

Supplier Companies

(3 abstracts)

Vollar, South Africa (1)
EHS Data, UK (1)
Carpi Tech, Switzerland (1)
Carpi Group, Switzerland

Universities and Research Centers

(16 abstracts)

Universidad Adolfo Ibáñez, Chile (1)
University of Saskatchewan, Canada
Universidade Federal do Rio de Janeiro, Brazil
Instituto Federal do Rio Grande do Norte, Brazil (2)
Universidade Federal do Rio Grande do Norte, Brazil (2)
Saskatchewan Research Council, Canada (6)
Swansea University, UK
Queen's University, Canada (1)
The University of Queensland, Australia
Carleton University, Canada
SMI-ICE, Chile (3)
Universidad de Concepción, Chile
Shahrood University of Technology, Iran
SMI, The University of Queensland, Australia
University of Waterloo, Canada
TU Bergakademie Freiberg, Germany (1)
University of Nottingham, Malaysia

Fiscal Institutions, NGOs and Government Agencies

(3 abstracts)

COCHILCO (Comisión Chilena del Cobre), Chile (1)
Natural Resources, Canada
International Council on Mining and Metals (ICMM), UK (1)
Corporation Alta Ley, Chile (1)