

RECEIVED ABSTRACTS

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Innovating in Sustainability Governance

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Alicia Zegarra, Pontificia Universidad Católica del Perú

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Stephanie Wilhelm, ENAMI, Chile; and Federico von Mühlenbrock and Miguel Segur, NTT Data, Chile

(A44) Social Impacts of Mining from A Gender Perspective: A Preliminary Study for The Development of Indicators

Camila Cabrera, Sustainable Minerals Institute, The International Center of Excellence, Chile

(A55) Promoting Nature-Based Solutions in the Mining Sector: Applying the IUCN Global Standard for NbS in an Anglo American Mine in Brazil

Barbara Souza, International Union for Conservation of Nature (IUCN), Brazil; and Stephen Edwards, International Union for Conservation of Nature (IUCN), Switzerland

(A67) Mining ESG Navigator – Democratizing Corporate Sustainability in Mining

Raul Farfan, TDi Sustainability, Peru

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

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Isabelle Demers, Akue-Sylvette Awoh, Mathieu Villeneuve, Guillaume Noirant and Jean-Christophe Turcotte, Université du Québec en Abitibi-Témiscamingue, Canada

(A46) Closure Vision: Escondida's Experience

Carlos Correa, Escondida, BHP, Chile; Cristian Marambio, SRK Consulting, Chile; and Laura Inostroza, Bmining, Chile

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Pamela Valenzuela and Juan Palma, Pontificia Universidad Católica de Valparaíso, Chile; Claudia Ortiz, Universidad de Santiago, Chile; Osvaldo Moreno, Pontificia Universidad Católica, Chile; and Claudio Masson, Compañía Minera del Pacífico, Chile

(A51) A Collaborative Vision for Successful Mine Closure at Puna Operations

Cesar Caleau, SSR Mining, Argentina; Mitchell Barteaux and Miriam Clark, Okane Consultants, Canada

(A53) Sharing Lessons Learned on Evaluating Biodiversity Offset Practices in the Mining Sector

Barbara Souza, Josianne Rosa and Luis Sánchez, Universidade de São Paulo, Brazil

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(A05) How to Select the Right System to Manage Environmental Monitoring Data

Phil Ely and Henrik Frijs, EHS Data, UK

(A22) Arsenic Speciation in Cemented Paste Backfill Using Parallel Extraction

Amirhossein Mohammadi, Isabelle Demers and Mostafa Benzaazoua, Université du Québec en Abitibi-Témiscamingue, Canada; and Nicholas Beier University of Alberta, Canada

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María Vittoria Trussoni, NTT Data, Italy; and Miguel Segur, NTT Data, Chile

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Toward Zero Risks in Mine Waste Management

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(A01) The New ISO Standard for Mine Closure and Reclamation Planning

Dirk Van Zyl, University of British Columbia, Canada; Michael Nahir, Parsons Corporation, Canada; and Ian Hutchison, Hutchison Engineering, USA

(A03) Risks in Planning and Designing for Mine Closure

Michael Nahir, Parsons Corporation, Canada

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Gabriel Villavicencio, Pamela Valenzuela and Juan Palma, Pontificia Universidad Católica de Valparaíso, Chile

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Yohann Videla, Manuel Contreras, Pablo Lagos and Tomás Rioseco, Centro de Ecología Aplicada, Chile

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Yajaira Pérez and Clara Pérez, Peñoles, Mexico

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(A43) A Comparative Life Cycle Assessment of the Use of Electric and Diesel trucks in a Chilean Underground Mine

Víctor Balboa, Douglas Aitken and Levi Campos, Sustainable Minerals Institute, The International Center of Excellence, Chile; Carlos Hunt, Universidad Técnica Federico Santa María, Chile; and Juliana Segura-Salazar, Sustainable Minerals Institute, The University of Queensland, Australia

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David Rubinos, Pablo Bustos, María Paz Valenzuela, Javier Quevedo, Daniela Gamboa, Dilan Campos, Jorge Márquez and Felipe Saavedra, Sustainable Minerals Institute, The International Center of Excellence, Chile; Mansour Edraki and Barry Noller, Sustainable Minerals Institute, The University of Queensland, Australia; and Óscar Jerez, Vilma Sanhueza, Alexey Novoselov and Javiera Gerding, Universidad de Concepción, Chile

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Anne Routschek, Dominik Wienhold and Conrad Jackisch, Technische Universität Bergakademie Freiberg, Germany; and Andrea Kassahun, Wismut GmbH, Germany

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Carlos Correa and Rodrigo Quinteros, Escondida, BHP, Chile; and Laura Inostroza, Bmining, Chile

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Morgan Warren, Albermale Corporation, USA; and Amy Prestia, SRK Consulting, USA

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Patricio Manríquez and C. González, Centro de Estudios Avanzados en Zonas Áridas (CEAZA), Chile; A. Camaño, Sistema SocioEcológicos, Chile; and Jorge Bravo, Minera Candelaria, Chile

Rehabilitation, Remediation and Biodiversity

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Angelica Monti and Sérgio Moreno, EPA Engenharia de Proteção Ambiental, Brazil; Mario Goto, Vale, Brazil; Sérgio Veríssimo and Mayara Pupo, GreenSoil Group, Brazil; and Lennart de Bie and Martin Slooijer, GreenSoil Group, The Netherlands

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Melanie Gutmann and Gregor Eßer, RWE Power, Germany; and Max Pinggen, RWE Technology International, Germany

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Hoda Arabyarmohammadi, Marie Guittonny and Isabelle Demers, Université du Québec en Abitibi-Témiscamingue, Canada

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Gabriel Mendonça, Alessandro Nepomuceno, Alexandre Matos, Osmar Ferreira and Alexandre Araujo, Kinross Brazil Mining, Brazil

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Abdoulaye Barry, Marie Guittonny and Bruno Bussière, Université du Québec en Abitibi-Témiscamingue, Canada

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Jaime Henríquez and Tatiana Rodríguez, Ferrocarril de Antofagasta a Bolivia (FCAB), Chile; Raúl Víctor and Jean Pierre Davit, WSP Golder, Chile

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Nicolás Pareja, Universidad de La Frontera, Chile; and Andreina García and Carla Duarte-Nass, Universidad de Chile

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Alejo Gutiérrez, Daniela Araya and Sebastián Moreno, Capstone Copper, Chile

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Sustainable Energy for Green Mining

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Héctor Fuentealba, Foresta.io, Chile

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Alejandro Montt and Antonio Rubilar, Albagli Zaliasnik, Chile

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Mathias Magna and Carlos Correa, BHP, Chile; and C. Astorga, Bmining, Chile

(A62) Climate Change Risk Assessment and Adaptation Path for Mining Operations in Chile: El Teniente Case Study

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Indigenous Peoples, Indigenous Rights and Mining

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Melissa Case, Bechtel Mining and Metals, Australia

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Jay Hartling, BHP, Canada

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Maria Ana Rubinstein, Ausenco, Argentina; and Mariel Palomeque, Ausenco, Canada

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Julio García, SQM, Chile

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Stephanie LaBelle and Anne Johnson, Robert M. Buchan Department of Mining, Queen's University, Canada

Human Rights and Social Due Diligence

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(A09) Mining Operational-Level Grievance Mechanisms in Bolivia, Ecuador, Chile, Colombia and Peru

Cristina Muñoz, GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), Chile; and Sonia Balcázar, Independent Consultant, Peru

(A20) Utilizing Blockchain Technology to Strengthen Sustainability and Social Acceptance in Artisanal Mining

Dickson Wachira, Voi Gemstone and Value Addition Center, Kenya; and Antoine Mulaba-Bafubiandi, University of Johannesburg, South Africa

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Marcela Herrera and Consuelo Letelier, WSP Golder, Chile

Social Investment, Community Development and Collective Impact

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John Serna and Carlos Londoño, Mineros Aluvial, Colombia

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Yara Brasil, Tractebel, Brazil; Luiza Grossi, Roberta Guimarães, Marcos Figueredo, Georgina Rosa, Vale, Brazil; and Marcelo Filho, Arcadis, Brazil

(A15) Autonomy Program: Building an Inclusive and Future Ready Workforce with Our Communities

Paulina Meirone, Magdalena Labbe and Álvaro Tapia, BHP, Chile

(A25) Xylem, Let's Save Water: Sustainability Strategy for Social Welfare, Environmental Care and Economic Development

Anders Casselbrant and Carlos Perez, Xylem, Sweden

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Elisângela Silva, Clarice Amorim and Sara Toja, Arcadis, Brazil; and Vilma Pérez, Arcadis, Chile

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Christian Belmar, Gabriela Valenzuela, Isidora Morales, Miguel Castro and Daniela Paz, GDS, Chile

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Kieren Moffat, Sefton Darby, Ewa Siedlecka and Ashleigh Kelly, Voconiq, Australia; and Danielle Martin, ICMM, UK

Local Procurement and Supply Chain Management

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Juan Pablo Leppe, WSP Golder, Chile

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Gender, Diversity and Inclusion Programs

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Christian Belmar, Gabriela Valenzuela, Isidora Morales and Daniela Paz, GDS, Chile

Unclassified Abstracts

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Denisse Barahona, Quebrada Blanca, Teck, Chile

(A77) Voices of Tarapacá: Dialogues for Development

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(A78) The Andacollo We Want: Citizen Participation in Social Investment Decision-Making

Roxana Espinoza, Carmen de Andacollo, Teck, Chile

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