



EAGE

FIRST EAGE CONFERENCE ON THE FUTURE OF MINERAL EXPLORATION

CHALLENGES AND OPPORTUNITIES

14-16 OCTOBER 2025 | SANTIAGO DE CHILE | CHILE

FINAL ANNOUNCEMENT
Technical Programme Live & Registration Open!

WWW.EAGE.ORG

CONFERENCE OVERVIEW

The First EAGE Conference on the Future of Mineral Exploration: Challenges and Opportunities is dedicated to addressing the critical role of mineral exploration in meeting the growing global demand for strategic resources. This event focuses on innovative technologies, sustainable practices, and collaborative solutions to unlock mineral potential while minimizing environmental and social impacts.

From advanced geophysical techniques to sustainable water management in salt flats, the conference will highlight the trends and challenges that are shaping the future of the industry.

This conference brings together geoscientists, exploration professionals, researchers, policymakers, and industry stakeholders dedicated to advancing innovation and sustainability in mineral exploration. It is especially relevant for those involved in:

- Critical mineral exploration (e.g., lithium, copper, rare earths)
- Environmental geology, hydrogeology, and geochemistry
- Emerging fields such as marine mining, geoennergies, and sustainable exploration practices
- Companies and organizations seeking solutions for the energy transition and future resource needs

Participants can expect actionable insights into the latest trends and challenges in mineral exploration, exposure to innovative technologies, and discussions on sustainable practices.

The event also aims to promote interdisciplinary collaboration, encouraging partnerships that will shape the future of the sector. Join us to be part of a transformative dialogue that will influence the future of mineral exploration and resource sustainability!

MEET THE TECHNICAL COMMITTEE!

Felipe Espinoza (Chairman)	SERNAGEOMIN
Yury Abreu (Chairman)	Xcalibur Smart Mapping
Alireza Malehmir	Director of Smart Exploration Research Center
Diana Comte	Universidad de Chile
Ayaz Alam	Universidad de Santiago de Chile
Carlos Cifuentes	Bell
Carlos Juan Schulz	Senior Independent Consultant
Vladimir Ignatev	Geodevice
Thomas Tsiboah	Newmont
Marcelo Ramirez	JX Nippon Mining & Metals Exploration Chile
Dra. Ana Curcio	PROINGEO SA
Hernan Rivas Herrera	TECK
Levy Fuentes	Independent
Claudia López	Colegio de Geólogos de Chile
Jimena Vargas	Expert Geophysics

BREAKING LANGUAGE BARRIERS!

We are pleased to announce that the First EAGE Conference on the Future of Mineral Exploration: Challenges and Opportunities will feature Simultaneous Translation to ensure an inclusive and engaging experience for all participants!

MEET OUR KEYNOTE SPEAKERS



Carlos Silva
Chilean Ministry of Mining



Marco Nieto
Xcalibur Smart Mapping



Lucia Villar
University of Chile



Karr McCurdy
VectOres



Dr. Ebbe H. Hartz
Aker BP



Carlos Juan Schulz
Independent Consultant



Francisco Donoso
COCHILCO



Yury Abreu
Xcalibur Smart Mapping
and a host of additional distinguished speakers

IMPORTANT DATES

Conference dates	14-16 October 2025
Networking Reception	14 October 2025
Students GeoQuiz	15 October 2025

VENUE

Hotel NH Collection Plaza Santiago
Av Vitacura 2610, 7550098 Santiago, Las Condes, Región Metropolitana, Chile.

REGISTRATION*

REGISTRATION FEES (USD)

Registered and Paid	Late From 16/09/2025
EAGE Green Member ⁽¹⁾⁽⁵⁾	\$830
EAGE Bronze/Silver/Gold Member ⁽¹⁾⁽⁵⁾	\$755
EAGE Platinum Member ⁽¹⁾⁽⁵⁾	\$480
Non-member ⁽³⁾	\$930
EAGE Student Member ⁽¹⁾⁽²⁾⁽⁵⁾	\$355
Student Non-member ⁽²⁾⁽³⁾⁽⁴⁾	\$430

*Special Pricing for Local Attendees!

To claim your discount, email us: lbl@eage.org



Register by scanning here!

TECHNICAL PROGRAMME IS NOW LIVE!*

Special Thanks to Our Technical Programme Sponsor:



Oral Presentations | Tuesday 14 October

AMSTERDAM ROOM	
08:30	Registration and Morning Coffee
09:20	Welcome and aims by Committee Cochair
Opening Session	
09:30	Keynote Speaker: Preliminary Draft of the National Critical Minerals Strategy - Carlos Silva (Chilean Ministry of Mining)
10:00	Keynote Speaker: Francisco Donoso (Comisión Chilena del Cobre - Cochilco)
10:30	Keynote Speaker: Sernageomin
11:00	Panel Discussion - Opening Session
11:20	Coffee Break AM
Session I: Copper as a Strategic Mineral	
11:50	Keynote Speaker: Critical Minerals and Copper (Opportunities) - Karr McCurdy (VectOres)
12:20	AI-Driven Multi-Sensor UAV Systems for Sustainable Copper Porphyry Exploration - R. Kumar (Rajiv Gandhi Institute Of Petroleum Technology)
12:45	Cu-Deposits At The Cordillera De La Costa South Of Arica: Preliminary Results For Updated Genetic Model - N. Astudillo (Sernageomin)
13:10	Panel Discussion I
13:30	Lunch Break
Session II: Copper as a Strategic Mineral	
15:00	Keynote Speaker: Geological Setting, History, and Exploration Advances of the IOCG Deposit at Buen Retiro, Copiapó - Gilberto Schubert (Fitzroy Minerals Inc)
15:30	Keynote Speaker: Jessica da Matta (Seequent)
16:00	Keynote Speaker: Julia Oliveira (Stratum AI)
16:30	Valorization of Copper Slag as a precursor in the synthesis of Metal Oxide Nanoparticles - G.Barbato (University Mayor of Chile)
16:55	Panel Discussion II
17:15	Wrap-Up day I
17:30	Networking Reception

Oral Presentations | Wednesday 15 October

AMSTERDAM ROOM	
Session III: Lithium as a Strategic Mineral	
08:30	Keynote Speaker: Conceptual Models of Salt Flat Systems - Carlos Juan Schulz (Independent Consultant)
09:00	Keynote Speaker: Ing. Alfonso Pérez Valday (Yacimientos de Litio Boliviano)
09:30	Gases massively transported by large Miocene ignimbrites: origin of ancient sulfate-carbonate salt terraces and Li-enrichment, Northern Chile - J.Naranjo (Sernageomin)
10:00	Panel Discussion III
10:25	Coffee Break AM
Session IV: Marine Mineral Resources	
10:55	Keynote Speaker: Norwegian seabed mineral potential and AI-assisted impact assessment - Ebbe Hartz (Aker BP)
11:25	Keynote Speaker: Beyond Copper: Unlocking the Energy and Mineral Secrets of Chile's Ocean - Lucia Villar Muñoz (Universidad de Chile)
11:55	Keynote Speaker: The International Seabed Authority and deep-sea mining - Dr. Fermin Palma (Conicet)
12:25	Exploration Methodologies for Polymetallic Nodules in the Pacific Ocean - E.Veloso (Sernageomin)
12:55	Panel Discussion IV
13:15	Lunch Break
14:30	Student Session: NextGen GeoQuiz
Session V: New tendency in Geoennergies	
15:15	Keynote Speaker: Exploration of Natural Hydrogen: A Key to the Low-Carbon Energy Future - Gisella Palma Lira (Federico Santa María Technical University)
15:45	Machine Learning-Enabled Detection and Characterization of White Hydrogen Systems: A Novel Approach for Next-Generation Energy Exploration - R.Kumar (Rajiv Gandhi Institute Of Petroleum Technology)
16:10	Wrap-Up day II



Oral Presentations | Thursday 16 October

AMSTERDAM ROOM	
Session VI: Critical Minerals - Part I	
09:00	Keynote Speaker: Critical Minerals, Critical Questions: Rethinking the Energy Transition with Latin America - Yury Abreu (Xcalibur Smart Mapping)
09:30	Joint Full Waveform Inversion Strategy for Seismic and GPR Using Structural Constraints - S.Gil Moreno
09:55	3D Controlled-Source Audio-Magnetotellurics Study at Fenix Gold Project, Chile - J.Bascur (Quantec Geoscience Chile Limitada)
10:15	Ground water exploration with frequency-domain electromagnetics on a multi-parameter fixed-wing aircraft - Carndonagh area, Ireland - C.Cifuentes
10:40	Panel Discussion V
11:00	Coffee Break AM
Students Poster Session	
11:30	Copper recovery from leaching waste solutions using functionalized based of iron oxide nanoparticles and mollusc shells - F.Gutiérrez (Universidad Mayor) Integrating Reactive Geochemistry into Unsaturated Flow Numerical Models of Waste Rock Dumps: Implications for Acid Generation and Metal Release - J.Navarro (Universidad Mayor) Application of iron-alginate intelligent nanomaterials for arsenic remediation in water resources impacted by mining activities - G.Donosó (Universidad Mayor)
Session VII: Critical Minerals - Part II	
12:00	Keynote Speaker: Modern techniques for exploration of critical minerals - Marco Nieto (Xcalibur Smart Mapping)
12:30	Keynote Speaker: Critical mineral exploration using airborne natural-source EM surveys - Jimena Vargas (Expert Geophysics)
13:00	3D Trans-Dimensional Gravity Inversion with Dimensionality Reduction-Based Visualisation - J.Giraud (The University Of Western Australia)
13:25	Seismic Reflection in Mining: Advancing Subsurface Characterization in Complex Environments - I.Omaña (Agualex Geociencias)
13:45	Panel Discussion VI
13:55	Wrap Up and Closure
14:00	Lunch

*The Technical Programme is subject to change.

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CONTACT

The First EAGE Conference on the Future of Mineral Exploration: Challenges and Opportunities is organized by the EAGE Latin America Office. For enquiries please contact by email lbl@eage.org

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