



Water In Mineral Processing: Bridging The Gap Program

Presented By

CEEC International: Coalition for Minerals Efficiency

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About CEEC International

CEEC International is an independent, not-for-profit organisation established in 2011 by a group of visionary mining industry leaders. It was created to provide a trusted platform for effective communication of the latest technical findings in efficient comminution practices.

In 2022, CEEC rebranded as the Coalition for Minerals Efficiency to reflect the expansion of its mission and purpose. While energy efficiency in comminution remains a core focus, CEEC now champions advances in water use, tailings management, GHG emissions reduction, and the broader energy transition.

CEEC's **mission** is to accelerate the adoption of eco-efficient practices in the production of minerals and metals. Its **vision** is a future where collaborative innovation enables sustainable and responsible resource development.

At the heart of CEEC's work are the principles of:

- **Communicate** – sharing trusted knowledge and practical solutions,
- **Collaborate** – connecting stakeholders across the mining value chain, and
- **Celebrate** – recognising excellence and progress through initiatives like the CEEC Medal.



Our Mission: *To accelerate the adoption of eco-efficient minerals and metals production practices*

Program Overview



▶ Summary

This high-impact session brings together a multidisciplinary group of mining professionals, researchers, and technology providers to identify and prioritise the key innovation gaps limiting effective water stewardship in mineral processing.

Through structured breakout sessions and expert facilitation, participants will co-develop a strategic Water Stewardship Roadmap - guiding future research, technology development, and collaboration across the mine-to-mill value chain.

This workshop is a pivotal part of CEEC's Global Water Initiative and offers attendees the opportunity to directly influence the GWI research agenda and shape the direction of CEEC's future workshops. By participating, you'll not only expand your network and share insights, but also help define actionable priorities for advancing water-smart solutions across the global resources sector.



Help define the innovation agenda for water-smart mineral processing.



Collaborate with leaders from mining, METS, academia, and government.



Contribute to a roadmap scheduled for release later in 2025



Raise your organisation's visibility in the global sustainability dialogue.

Facilitator

Francisca
Herrera



Psychologist and Executive Coach

Francisca Herrera is a psychologist and executive coach with a solid track record in people management consulting, leadership, and organizational development.

She has supported various companies in the design and implementation of people strategies, and has extensive experience facilitating strategic planning sessions, team alignment activities, and cultural transformation processes.

Her work spans across industries such as services, mining consulting, telecommunications, retail, and banking.

Keynote

Lilian
Salas

**Corporate Director of Water Planning
and Governance**

CODELCO



With a distinguished track record in water services and governance, Lilian leads planning and strategy at CODELCO, focusing on sustainability and operational efficiency. CODELCO strives to mitigate the impacts of climate change and strengthen operational resilience to environmental threats, supported by advanced technologies and innovative solutions.

At Aguas Andinas, Lilian drove digital transformation, promoting automation and active process management to increase efficiency. Her commitment to professional development and strategic direction has allowed her to lead significant corporate projects and manage organizational change, always with a focus on sustainable development and social legitimacy.

Keynote

Magin Torres



Engineering & Metallurgy Manager

Minera Altair

Magin Torres is a Mining Engineer and holds an MSc in Extractive Metallurgy from the University of Chile, with over 15 years of experience in mineral processing, plant design, process simulation, and project development.

He currently serves as Manager of Metallurgy and Engineering at Minera Altair, where he leads the process design of a new mining project conceived from the outset with a strong focus on water stewardship and environmental sustainability.

His previous experience includes roles at Codelco, SGS, and Redco Mining Consultants. Magin has been actively involved in the mining technical community as an external lecturer at the University of Chile and as Program Director of Procemin-Geomet at Gecamin.

He is the author of several technical publications and a member of AusIMM, having received the Juan Brüggen Award for his professional contributions.

Workshop

Schedule

Time	Program
8:30 AM	Registration and Welcome Coffee
9:00 AM	Welcome
9:25 AM	Keynote Speaker and Q&A
9:50 AM	World Cafe Round 1 – Gap & Boundary Analysis
10:25 AM	World Cafe Round 2 – Now: Existing Solutions
10:55 AM	COFFEE BREAK
11:25 AM	World Cafe Round 3 – New: Emerging Innovations
11:55 AM	World Cafe Round 4 – Next: Long-Term Transformations
12:25 PM	Table Presentation
1:00 PM	LUNCH
2:00 PM	Keynote Speaker and Q&A
2:25 PM	Backcasting Session: Mapping from NEXT toward actionable pathways
3:00 PM	Final Group Presentation
3:30 PM	Closing Remarks

Contact Information

For any questions about the workshop, please reach out to:



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