CEEC
THE FUTURE



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*

Visit us at Procemin 2025

Come and speak to our team at **booth #15** next door to the technical sessions. We'd love to discuss your challenges and show you our innovative solutions for more sustainable mining.



Join our presentation on **Friday 8 August at 10am**. Bianca Foggiatto, Head of Comminution Processing Integration, will discuss the **'Evolution of HPGR Flowsheets for Hard Rock Applications'**.

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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.

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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

Sergio Lagos



Director Technology Solutions, SoAm

Ausenco

With over 17 years of experience as a process engineer, Sergio has extensive expertise across various stages of project development, including metallurgical test management, conceptual studies, detailed engineering, commissioning, operations, and optimization. His experience spans a wide range of commodities, such as copper, gold, lead, zinc, tin, and niobates.

Sergio is recognized as an expert in geometallurgy, flotation, and solid-liquid separation. He has contributed to studies, technical reviews, due diligences, commissioning, and optimization of mineral processing plants in South America and other continents.

Sergio has led data analysis, static and dynamic simulations, and the development of process design packages, including mass balances, design criteria, and equipment sizing. He is also skilled in integrating innovative technologies such as coarse particle flotation, SART, and unconventional tailings treatment solutions.

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

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Contact Information

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

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