

28 October 2024 Aerial Function Centre, UTS

# Advancing responsible minerals for the energy transition

**9:00 AM – 9:10 AM Welcome to Country Uncle Michael West, MLALC**

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**9:10 AM – 10:05 AM Opening Address**

Keynotes will provide an overview of drivers for the clean energy transition and present the challenges and opportunities for advancing responsible sourcing, critical minerals and high-tech metals.

**Damien Giurco**, Associate Research Director, UTS Institute for Sustainable Futures

**Tony Linnane**, Executive Director, Strategy Performance and Industry Development, NSW Resources

**Nicole Hanson**, Head of Sustainability, London Metal Exchange

**Shannon O'Rourke**, Chief Executive Officer, Future Battery Industries CRC; Managing Director, Powering Australia

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**10:05 AM – 10:45 AM Plenary A: Responsibility Across the Value Chain**

Panellists provide diverse perspectives, discussing how responsibility is viewed and communicated across the clean energy value chain. Discover emerging practices, and priority focus areas in Australia and internationally.

**André Henríquez**, Executive Director, Technology Centre for the Circular Economy of the Northern Chilean Macrozone

**Helen Degeling**, Project Acquisition Manager, Cobalt Blue Holdings

**Heidi Edmonds**, Senior Researcher, Beyond Zero Emissions

**Shannon O-Rourke**, Chief Executive Officer, Future Battery Industries CRC; Managing Director, Powering Australia



## 10:45 AM – 11:15 AM Coffee Break

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## 11:15 AM – 12:00 PM Plenary B: Walking the Talk

This session explores practical actions and strategies being implemented across the value chain. The audience will hear about challenges that early adopters have had to overcome and discover the levers for advancing progress.

**Nicole Roocke**, Chief Executive Officer, Minerals Research Institute of Western Australia

**Emma Aisbett**, Associate Director (Research), ANU Grand Challenge – Zero-Carbon Energy for the Asia-Pacific

**Isil Uysun**, Partner, Certification and Verification Services, ERM CVS

**Kirk McDonald**, Project Manager, Supercharge Australia

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## 12:00 PM – 1:00 PM Lunch

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## 1:00 PM – 2:15 PM Masterclass Parallel Sessions 1

### Stream A: Life Cycle Assessment

#### Life Cycle Assessment Foundations

A brief overview of the principal foundations of Life Cycle Assessment (LCA) will enable beginners and professionals alike to engage with LCA as tool for advancing responsible sourcing of clean energy minerals/materials. Foundations will explore:

- Why LCA is a valuable tool that should be integrated into strategies and target setting?
- How are LCA results are used to communicate responsible production and who is the intended audience?
- What are the inherent challenges in mineral based LCA today?
- Emerging practices and innovations in the LCA field.

### Stream B: Disclosure and Traceability

#### Responsible Disclosure Landscape

Experts will facilitate an interactive session on the evolving landscape of responsible disclosure and the increasing requirements placed on materials producers for material, credible and transparent information on how minerals are being produced. Key discussion points:

- Navigating the complexity of an evolving regulatory and disclosure landscape.
- Principles for effective management and communication of responsible credentials.
- Elevating transparency and accountability without greenwashing.
- Areas for future focus.



This session will finish with an interactive LCA puzzler. No prior experience required, all materials provided.

**Stephen Northey**, Research Principal, UTS Institute for Sustainable Futures

**Wen Li**, Associate Professor, University of Melbourne

**Shayan Khakmardan**, PhD candidate, University of Melbourne

**Rusty Langdon**, Senior Research Consultant, UTS Institute for Sustainable Futures

### **Mine Assure tool presentation and interactive**

Explore the Mine Assure tool with ERM's auditing experts. Untangle the complexity of ESG standards and certifications with one single tool that brings reporting and assurance into one smart workflow.

**Heather McKay**, Mine Assure, Responsible Conformance Management - Consulting Director, ERM

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## **2:15 PM – 2:45 PM Afternoon Tea**

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## **2:45 PM – 4:00 PM Masterclass Parallel Sessions 2**

### **Stream A: Life Cycle Assessment**

#### **Life Cycle Assessment in the Circular Economy**

Explore the intersection of LCA and the circular economy, with a focus on metals, case studies, and practical sustainability applications.

This session will present the latest research into circular practices in the minerals sector with case study examples on typical mine waste generation, bi-product utilisation, and mine waste pathways.

**Takuma Watari**, Senior Researcher, National Institute for Environmental Studies (Japan)

**Ali Karrech**, Professor, University of Western Australia

**Hai Wei**, PhD candidate, University of Melbourne

### **Stream B: Disclosure and Traceability**

#### **Unlocking Traceability**

How do we ensure that responsible product can be identified right across the value chain? Examine the latest advancements in traceability in Australia and internationally. This session will deep dive into innovating traceability solutions:

- Product passports
- Emerging traceability capability: blockchain, digital data exchange and conformity credentials

**Zachary Zeus**, Pilot lead, UN/CEFACT Critical Raw Materials Traceability - CEO, Pyx

**Bernardo Mendonca Severiano**, PhD Candidate, UTS Institute for Sustainable Futures



## **4:00 PM – 4:30 PM Advancing Responsible Sourcing: 2030 and beyond**

Keynote speakers will round out the symposium by bringing together emerging practices, market expectations and send us away with a future focused vision for 2030 and beyond.

**Mathias Schlupe**, Managing Director, World Resources Forum

**Damien Giurco**, Associate Director Research, UTS Institute for Sustainable Futures

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## **4:30 PM – 6:00 PM Networking and Drinks at the Rooftop Bar**

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