A MetPlant 2026 Conference Workshop by Rendement

In-Situ Recovery (ISR) Workshop

Sustainable and Modern Mining

RENDEMENT
YIELD . EFFICIENCY . OUTPUT

ErdaLithic™ Consulting

Workshop Overview

The In-Situ Recovery (ISR) Workshop is designed to provide participants with an understanding of the principles, technologies, and best practices involved in ISR mining, with a particular focus on the uranium industry. The workshop aims to build technical capacity and promote industry excellence. The workshop will cover uranium mining, however, will also include the application of ISR to other metals, such as copper and rare earths.

The purpose of the course is to enhance knowledge sharing among professionals, improve awareness of ISR's role in today's uranium market, and support the responsible, efficient, and sustainable development of ISR projects.

Who should attend?

- Investors/Brokers
- Junior Explorers
- Mining Company Professionals - including those currently working in ISR to gain a comprehensive understanding of the full ISR project lifecycle
- Engineers and professionals from geology, hydrogeology, minerals processing, project development, environment, operations and maintenance
- Consultants and Academics
- Students and new entrants to the sector.

Why should you attend?

1. Comprehensive & Practical: Covers the full ISR project lifecycle—from exploration to processing and environmental management—providing real-world, applied knowledge.
2. Industry-Led Expertise: Delivered by specialists with extensive, up-to-date ISR experience and decades of involvement in uranium mining, hydrogeology and project development.
3. Unique Market Offering: The only dedicated ISR course combining technical, regulatory, and environmental perspectives to meet growing global demand for ISR expertise.

The course offers practical knowledge applicable to real-world uranium projects, helping participants develop understanding of ISR and impact of geology, hydrogeology, wellfield design, processing, along with project management. Through presentations and case studies, attendees will learn how to evaluate ISR project feasibility, ensure environmental compliance, and apply best-practice principles across all stages of project development.

By the end of the course, participants will be equipped with the knowledge to contribute effectively to ISR operations and decision-making.

https://www.rendement.au/

26/3/2026

METPLANT CONFERENCE
Adelaide: 22 - 25 Mar 2026

Facilitators

James Davidson

James is a globally recognized mining professional with over 30 years of expertise in hydrometallurgy, specialising in uranium and base metals extraction through innovative processes like in-situ recovery (ISR) and ion exchange technologies. His leadership in process design, pilot plant development, and water treatment solutions has driven operational excellence across global mining operations.

Ben Jeuken

With over 20 years in the groundwater and mining industry, Ben brings significant experience and a practical approach to every project. As a Principal Hydrogeologist, he has led successful outcomes in mine water management, groundwater supply development, in situ recovery of uranium and other metals, and potash brine mine development. Known for turning complex challenges into clear, workable strategies, Ben helps clients unlock value while balancing operational needs with environmental responsibility.

Asha Rao

Asha Rao is a geologist with over 20 years of experience in the minerals industry, having worked in uranium and gold mineral systems in a wide range of geological terranes, countries and resource companies, with specific experience in the in-situ recovery (ISR) of uranium. Her geological experience is broad based, from early-stage, ‘grass-roots’ exploration to ‘brownfields’, pre-production work. Asha has a proven technical ability in identifying new exploration targets and employing innovation to unravel the intricacies of mineral deposits.

1 Day MetPlant 2026 Conference Workshop

26 March 2026 in Adelaide, Australia

Registration fee $950 (excludes GST)

Bring a laptop. Course notes, refreshments & lunch provided.

(Workshop is worth 8 PD Hours)

About Rendement

Rendement is a specialised consulting firm offering integrated technical and strategic services to industry.

Partnering with ErdaLithic Consulting for this workshop, our expertise spans geology, process engineering, hydrometallurgy, hydrogeology, water management and owners engineering services, with a particular focus on in-situ recovery (ISR) mining, and innovative extraction technologies for unconventional mineral resources.

With decades of combined experience, our team brings deep technical knowledge and practical insight to every stage of project development—from early-stage assessments, geological intricacies of viable ISR deposits, pilot plant, field trials and process interrogation, through to detailed design execution, commissioning and operational optimisation as owner’s side support.

Importance of This Course

Addresses the growing need for specialised expertise in environmentally responsible uranium, copper & rare earths extraction

- Focuses on In-Situ Recovery (ISR) mining, which offers lower environmental impact and economic advantages
- Fills a gap in current training by providing integrated knowledge across:
    - Geology
    - Hydrogeology
    - Processing
    - Regulation
    - Environmental Management
- Builds professional capability within the resources industry
- Promotes best-practice approaches to ISR mining
- Supports sustainable development in the modern mining sector

Program Outline

In-Situ Recovery Workshop (Full Day)

- **Introduction to ISR**
- **Geological Considerations**
- **Hydrogeology**
- **Wellfield Design and Development**
- **Processing and Uranium Recovery**
- **Regulatory and Environmental Framework**
- **Environmental & Radioactive Waste Management**
- **Project Development and Feasibility**
- **Best Practice and Case Studies**
- **Applications of ISR to Copper and Rare Earth minerals**

METPLANT CONFERENCE
Adelaide: 22 - 25 Mar 2026