

RESOURCES + MINERALS RESEARCH COMMERCIALISATION

In a sector under increasing pressure, participants will gain an appreciation for research areas with commercial potential to solve sector challenges.

1. EXPLORATION + DISCOVERY

The challenges of increasing demand and decreasing discovery rates of mineral deposits present numerous opportunities for research commercialisation. From data interpretation to social license, explore how your research can be commercially impactful to the mining sector.

2. SENSING + AUTOMATION

As mining operations increasingly adopt automation into their operations, participants will explore opportunities for cutting edge research in areas such as data fusion, sensors and machine learning to find commercial opportunities to address problems of safety, efficiency and sustainability.

3. MINERAL PROCESSING

Both major consumer and polluter, the mining sector needs research based technological innovations to improve efficiency, sustainability and economic viability. Commercialisation opportunities abound for researchers to develop processing innovations.

4. MINING TECHNOLOGIES

Harsh mining environments and increasingly complex operations present opportunities for cutting edge research innovations to impact efficiency, safety, sustainability and economic viability in the resources and minerals sector.

5. SUPPLY CHAIN

The breadth and complexity of the resources supply chain and its criticality to global industry presents commercialisation opportunities for researchers in numerous disciplines from block to carbon capture, Internet of Things (IoT) to renewable energy.

www.campusplus.co.nz

LET'S WORK TOGETHER IN 2025

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Challenging conditions bring commercialisation opportunities

This series explores the challenges of sustainable mineral exploration and processing, safety and environmental impact, offering potential solutions for consideration. We'll discuss sector trends, including interdisciplinary approaches from AI, blockchain, data fusion, edge computing, green technologies, automation and more, and the opportunities that these provide for commercialisation.

Who's this series for? Suitable for many research disciplines and academic stage

Geology | Geophysics | **Mining Engineering** | Metallurgical Engineering | **Environmental Science and Engineering** | Sustainability Science | **Chemical Engineering** | Materials Science | **Data Science and Artificial Intelligence** | Mechanical and Electrical Engineering | **Computer Science and Cybersecurity** | Policy and Regulatory Studies | **Ethics and Social Sciences** | Indigenous Studies and Cultural Anthropology | **Water Resources Engineering** | Renewable Energy and Climate Science | **Geopolitics and International Relations** | Education and Workforce Development | **Circular Economy and Water Management** | Health and Safety Engineering

Bonus content

Keen subscribers looking to amplify their commercialisation knowledge will get access to a bonus 10 hours of additional content from our previous 2024 Energy Series. Topics include:

- Introduction to the renewable energy sector
- Renewable generation - solar
- Renewable generation - wind
- Renewable energy and First Nations
- 100% renewables - can we do it?
- Grid integration, storage challenges and opportunities
- Decarbonising industrial heat
- Decarbonising heavy industry
- Energy economics
- Social license

Want more?

Consider the following Specialist Series in 2025:



Commercialising Research for the Circular Economy Q3 2025

What goes around, comes around. The growth of Circular Economy-centric thinking is driving increased demand for impactful innovation from research. Our new vertical targets the three key principles of the Circular Economy: elimination, circulation and regeneration, and participants will gain a broad understanding of research innovation needs in high impact sectors including energy, plastics, agriculture, manufacturing and mineral resources. We'll examine considerations from sustainable supply chains to reuse of waste to barriers (and opportunities) for scaling from a commercialisation perspective, using case studies to bring examples to life. Insights from industry experts and experienced practitioners will guide researchers across a range of disciplines on a more effective commercialisation journey.



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