

RESOURCING TOMORROW

ACCELERATING THE ENERGY TRANSITION

28 - 30 November 2023 | London

minesand**money**

Europe's Largest Mining Event

2023 PROGRAMME 

resourcingtomorrow.com

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KEYNOTE SPEAKERS



Alison Atkinson
Group Director –
Projects & Development
Anglo American



René Aguilar
Vice President of
Sustainability and
Corporate Affairs
Antofagasta



Mark Bristow
Chief Executive Officer
Barrick



Sonia Scarselli
Vice President BHP
Xplor Program
BHP



Evy Hambro
Global Head of
Thematic and Sector
Investing
BlackRock



Adam Matthews
Chief Responsible
Investment Officer
**Church of England
Pension Fund**



Jennifer Prospero
Senior Director,
Sustainability
**Eldorado Gold
Corporation**



Frank Giustra
President and Chief
Executive Officer
**Fiore Group of
Companies**



Bill Cobb
Vice President and
Chief Sustainability
Officer
**Freeport-McMoRan
Copper & Gold**



Maryse Belanger
Chair, Interim President
and Chief Executive
Officer
IAMGold



Rohitesh Dhawan
President and Chief
Executive Officer
**International Council
of Mining and Minerals
ICMM**



Namrata Thapar
Global Head, Mining
**International Finance
Corporation**



Robert Friedland
Founder, Executive
Co-Chairman
Ivanhoe Mines



Elaine Dorward-King
Non-executive Director
**Sibanye Stillwater,
Kenmare Resources and
NovaGold**



Dominic Barton
Chairman
Rio Tinto



Greg Brouwer
Vice President,
Technology &
Innovation
Teck Resources



Nusrat Ghani
Minister of State at the
Department for Business
and Trade
United Kingdom



Geoffrey Pyatt
Assistant Secretary of
State for the Bureau of
Energy Resources
U.S. Government



Mark Cutifani
Chair
Vale Base Metals



Randy Smallwood
Chief Executive Officer
**Wheaton Precious
Metals**

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MONDAY, 27 NOVEMBER 2023

RESOURCING TOMORROW

Resourcing Tomorrow at the Palace of Westminster

14:30 **Critical Minerals Ministerial Roundtable**
17:30

The Resourcing Tomorrow team are delighted to be partnering with the UK Critical Minerals Association to organise a three-hour Ministerial Roundtable. This will be open to governments who are participating in Resourcing Tomorrow. The goal is to facilitate better dialogue between mineral rich countries and end users, as well as set a roadmap for collaboration between key stakeholders and mineral rich countries. This roundtable will be followed by a private networking reception. We anticipate over 20 government delegations.

The Ministerial Roundtable will be primarily for countries who are not MSP members. At the same time there will be a Business Networking Session for MSP members at a separate Critical Minerals Association Event at the Royal Geological Society

18:00 **Critical Minerals Ministerial Reception**
20:00

This is a two-hour reception at the River Terrace, House of Commons. All Ministers (both MSP and non-MSP) and the entourages would be invited, along with relevant UK Government officials. In addition, a select number of VIPs from Resourcing Tomorrow to be invited (probably 1 representative from each of the main sponsors)

Countries who will be attending include:

Australia, Armenia, Canada, Chad, Nigeria, Kingdom of Saudi Arabia, Kyrgyz Republic, Czech Republic, Portugal and the USA

For those interested in participating in either the Ministerial Roundtable or Reception, please contact Alex Grose at alex.grose@beaconevents.com

TUESDAY, 28 NOVEMBER 2023

07:30 **Registration**

08:00 **Traxys Resourcing Tomorrow Connect meeting platform opens and meetings commence**

RESOURCING TOMORROW

Redefining the Mining Value Chain for the Energy Transition to a Low-Carbon Economy

08:30 Welcome from the Organiser and Session Chair's Opening Remarks
Andrew Thake, Divisional Director, **Resourcing Tomorrow**

08:40 Ministerial Keynote
Nusrat Ghani, Minister of State at the Department for Business and Trade, Minister of State for the Investment Security Unit, and Minister for Industry and Economic Security, **United Kingdom**

08:50 Keynote Address: View from a Leading Major – How can the Industry Better Resource Tomorrow? Mark Bristow is recognised as one of the world's leading mining CEOs. He is a passionate believer in delivering sustainable stakeholder value. Under his leadership, firstly Randgold and now Barrick, have one of the best records in the industry for exploration, delivering on production guidance, and honouring shareholder commitments.
Mark Bristow, Chief Executive Officer, **Barrick**

09:30 **Fireside Chat: Energy Transition raw materials sourcing and supply in a complex and changing geopolitical world order**
Mark Kristoff, Chief Executive Officer, **Traxys**

09:45 **In Conversation: Frank Giustra and Dominic Barton**
Frank is a Canadian businessman, mining financier and global philanthropist who founded Lionsgate Entertainment. He is CEO of Fiore Group of Companies and co-chair of International Crisis Group. From 2001 to 2007, he was the chairman of the merchant banking firm, Endeavour Financial, which financed mining companies.
Dominic spent over 30 years at McKinsey & Company, including nine years as the Global Managing Partner, and has also held many public sector leadership positions. He has served as Canada's Ambassador to China, Chair of Canada's Advisory Council for Economic Growth, and Chair of the International Advisory Committee to the President of South Korea on National Future and Vision.

Issues discussed include:

- Geopolitical trends, deglobalisation, what it means for future of mining

09:10 **Keynote Fireside Chat: Evy Hambro – What is the Role of a Leading Institutional Investor in Resourcing Tomorrow?**

Evy Hambro is the team leader for the Natural Resources team within the Fundamental Equity division of BlackRock's Active Equity Group. He is responsible for the platform of Thematic products and co-manages the BGF World Gold, BlackRock Gold & General and BGF World Mining funds. He is also co-manager of the BlackRock World Mining Trust and BlackRock Natural Resources Hedge Fund and manager of several segregated portfolios.

Interviewee:

Evy Hambro, Global Head of Thematic and Sector Investing, **BlackRock**

Interviewer: Jamie Strauss, Chief Executive Officer & Founder, **Digbee**

- Gold and how gold may play a role in any global monetary system reset

Frank Giustra, President and Chief Executive Officer, **Fiore Group of Companies**

Dominic Barton, Chairman, **Rio Tinto**

10:05 **Keynote Address: Robert Friedland**

Robert Friedland, Founder, Executive Co-Chairman, **Ivanhoe Mines**

10:50 **Ministerial Address: Kingdom of Saudi Arabia**

HE Bandar Al Khorayef, Ministry of Industry and Mineral Resources, **Saudi Arabia**

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Driving Sustainability and Transformational Change with ESG

11:10 **Keynote Panel: Towards Better ESG Reporting – What Needs to Change?**

The industry is doing ESG reporting, but is it doing it well?

Issues discussed include:

- What makes for a best practice ESG Report? What differences, if any, should there be between how, say, an exploration junior and a major reports?
- Why is there no single industry ESG reporting standard?
- What regulatory and industry guidance is there?
- Dealing with competing demands from different stakeholders — investors, customers, rating agencies — all requiring ESG information to be parcelled up in slightly different ways
- Avoiding the common mistakes of greenwashing and green hushing
- Should the miner's ESG reports be audited?
- Reporting scope 1, 2,3 and 4 emissions

Panellists:

Anna Brog, Head of Sustainability, **Kenmare Resources**
Danielle Chiguimira, Director Securities Research – EMEA Metals and Mining, **Credit Suisse**

Ben Chalmers, Senior Vice President, **Mining Association of Canada**

Nancy Norris, Senior Director of ESG & Digital Trust, **Ministry for Energy, Mines and Low Carbon Innovation for the Government of British Columbia**

Alice England, General Counsel, **Ecora Resources**

Moderator: Jade Davenport, Associate Director, **Tavistock**

**REIMAGINING
MINING** 

The Future of Innovation in Mining

10:45 **Welcoming Remarks**

Jonathon Leader, Event Director, **Resourcing Tomorrow**

10:50 **Session Chair's Opening Remarks and Keynote Case Study: The Importance of Technology in a Forward-Thinking Mining Company**

- Why is technology important to CITIC?
 - How are CITIC investing in technology?
 - How is CITIC collaborating with vendors?
 - Being agile when implementing technology and being prepared to fail (If things are not failing you are not innovating – Elon Musk)
 - The growing importance of machine learning and AI
- Mark O'Brien, General Manager - Digital Technology and Innovation, **CITIC Pacific Mining**

11:10 **Presentation from Draslovka**

11:30 **Technology Spotlight: Portable XRF? So, what's new?**

Todd Houlahan, Business Development, **Evident Scientific**

11:40 **Technology Spotlight:**

Defining deeper resources while delivering net-positive outcomes
Erlend Olsoe, General Manager Europe, **IMDEX**

11:50 **Technology Spotlight: MSA Labs**

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Commodity Theses / Mining Spotlights

10:45 **Session Chair's Opening Remarks**

Ellis Martin, Founder and CEO, **Ellis Martin Report**

10:50 **Commodity Insight: Is Lithium Still the New Oil? Or Is There an Electrified Future Without Lithium?**

Issues discussed include:

- What projected increase in lithium production can we expect to see in the next ten years? How dependent is it upon high lithium carbonate prices?
- Where do the best opportunities for lithium investors lie? At the exploration stage or at production?
- A well-known mining investor recently said, "80% of US\$300million market cap battery metals companies will never go into production. Do our panellists agree with this statement, and if so, is meeting demand destined for failure?"
- How at risk is lithium to substitution?
- What will be the impact of lithium recycling?
- Which lithium stock should you be buying?
- Extremely active sector – a closer look at M&A
- Australia in particular most stocks listed in Australia, followed by TSX and London
- Brine stocks vs hard rock stocks

Panellists:

Martin French, Director, **London Specialised Capital**

Samuel Ekins, Managing Director, **Wildcat Resources**

Saúl Ricardo Feilbogen, Partner, **Vitale, Manoff & Feilbogen**

Rue Swabey, Communications Manager, **International Lithium Association**

Moderator: Dalila Ouerghi, Senior Reporter, **Fastmarkets**

- 11:50 **Ministerial Address: Nigerian Minister**
Oladele Alake, the Honourable Minister of Solid Minerals Development, **Federal Republic of Nigeria**
- 12:00 **Keynote Panel: Who Is Going to Pay? Financing the Energy Transition: Overcoming the Challenges, Investing and Financing Opportunities on the Road to Decarbonisation**

Bridging the minerals supply deficit is only one part of the roadmap to the energy transition. Without financing and investment, decarbonisation will not happen. Currently, the industry spends US\$40 to US\$50bn per year on financing the space. However, we need between US\$1.5 and US\$2 trillion to finance the energy transition.

This panel will discuss how the industry is tackling this:

- What commodities do investors currently find attractive in the short term as good bets for the energy transition? How about the longer term?
- What opportunities are investors looking at when it comes to decarbonisation? Greenfield vs Brownfield? Exploration vs Development vs Production? Mining companies or downstream investment opportunities?
- Reviewing industry initiatives which have been launched to help finance the energy transition
- What questions are LP's and end investors asking natural resource investors about their decarbonisation and net zero policies? Or are they just interested in management performance?

Panellists:

Namrata Thapar, Global Head, Mining, **International Finance Corporation**
Ross R Bhappu, Partner, Head of Private Equity Mature Funds, **Resource Capital Funds**
James Richards, Equity Analyst, **Fidelity International**
George Pirie, Minister of Mines, **Ontario Government**
Moderator: Kate Southwell, Deputy General Counsel, **Anglo American**

- 12:40 **Keynote Panel: Bridging the Disconnect to Supply the Metals Required for the Energy Transition**

The energy transition is a supply challenge. The energy transition means moving to a cleaner, more sustainable future. However, the minerals required to produce electric cars, wind turbines and other new energy technologies raise some difficult supply issues.

An average electric vehicle (EV) requires six times the amount of minerals as a conventional car, reports the International Energy Agency (IEA), including materials like nickel, cobalt, and lithium that a petrol vehicle typically does not need. An onshore wind plant, meanwhile, needs nine times more mineral resources than


Country / Regional Seminars

Canada



- 12:00 **Canada Mining Showcase**

Indigenous Partnerships – the Key to Success in Canada's Critical Minerals Sector

Indigenous peoples are the stewards, rights holders, and in many cases, title holders to the land upon which mineral development takes place. As such, Indigenous peoples are important partners in the development of our critical minerals value chains. Indigenous communities and businesses are demonstrating the value they add through collaboration with investors throughout the mine's lifecycle - whether providing supplies and services, helping de-risk projects by sharing knowledge of the land and resources. As equity investors in projects, Indigenous communities are ensuring meaningful ownership and economic participation, while helping investors align with the needs of communities and speed up timelines.

Through examples and insights from Indigenous business and community leaders, elders, mining companies, and government, this panel will explore the breadth of partnerships between Indigenous communities and critical mineral projects located in Canada, their unique advantages and considerations for investors.

Objectives:

- Building awareness on the role and importance of respect for Indigenous and treaty rights, and meaningful engagement, partnership and collaboration with Indigenous peoples in critical mineral development in Canada;
- Through examples, showcase various types of partnerships that can exist between mining sector investors and Indigenous peoples, and their advantages and considerations;
- Highlight support by the Government of Canada to enable and improve participation of Indigenous peoples

Panellists:

Carolyn Chisholm, General Manager External Affairs Canada, **Rio Tinto** and Chair, **Mining Association of Canada**
Reggie George, Executive Director Special Projects and Partnerships, **Three Fires Group**
Mandy Gull-Masty, The Grand Chief, **Grand Council of the Crees (Eeyou Istchee)**
Kimberly Lavoie, Assistant Deputy Minister, Nòkwewashk, **Natural Resources Canada**

Mining Spotlights

Mines and Money Connect spotlights miners with projects from around the globe, across the commodity spectrum and at all life cycle stages, watched by an audience of active investors in mining. Miners will share their most compelling reasons to invest throughout each spotlight presentation. In addition, you can expect to understand management's vision for the business, the level of financing required, the upsides, as well as the risks involved with the project.

- 11:20 **Mining Spotlight: Bradda Head Lithium**
LSE: BHL | Development | Lithium | USA
Ian Stalker, Executive Chairman, **Bradda Head Lithium**
- 11:30 **Mining Spotlight: Vision Lithium**
TSXV: VLI, OTCQB: ABEPF, FRA: 1AJ2 | Exploration | Lithium, Copper, Gold, Nickel, Zinc | Quebec, Canada
Wanda Cutler, Vice President, **Vision Lithium**
- 11:40 **Mining Spotlight: Imagine Lithium**
TSXV: ILL, OTCQB: ARXR | Exploration | Lithium | Thunder Bay, Canada
JC St-Amour, President, **Imagine Lithium**
- 11:50 **Mining Spotlight: Grid Metals Corp**
TSXV: GRDM, OTCQB: MSMGF | Exploration, Development | Copper, Nickel, Lithium | Manitoba & Ontario, Canada
Robin Dunbar, President and Director, **Grid Metals**
- 12:00 **Mining Spotlight: Steppe Gold**
TSX: STGO, FRA: 2J9, OTCQX: OTCM | Exploration, Production, Development Gold, Silver | Mongolia
- 12:10 **Mining Spotlight: Stavely Minerals**
ASX | Exploration | Gold, Silver, Copper | Australia
Chris Cairns, Executive Chairman and Managing Director, **Stavely Minerals**
- 12:20 **Mining Spotlight: Besra Gold**
ASX: BEZ | Exploration, Development | Gold | Malaysia
Ray Shaw, Chief Executive Officer, **Besra Gold**
- 12:30 **Mining Spotlight: Gold Basin Resources**
TSX-V: GXX
Exploration | Gold | USA
- 12:40 **Mining Spotlight: Aris Mining**
TSX: ARIS, OTCQX: TPRFF | Development, Production | Gold Colombia, Guyana, Canada
Tyron Breytenbach, Aris Mining
- 12:50 **Mining Spotlight: PolarX**
ASX: PXX | Exploration | Gold, Silver | Alaska, USA

a gas-fired plant. The World Bank estimates that demand for metals could increase tenfold by 2050. Reaching net zero by 2050 will require an estimated 3 billion tonnes of metal, as well as significant investments of roughly US\$9.2 trillion each year. So, how will the industry get there?

Issues discussed include:

- What can be done to bridge the supply gap? Will the increased supply come from the majors, mid-tiers, or juniors?
- How can miners be agile and diversify their commodity base?
- How can the industry collaborate to achieve these goals?
- How can governments help achieve these goals? What has been the impact of the US Inflation Reduction Act?
- What is the role of technology in bridging the supply gap?

Panellists:

Mark Bristow, Chief Executive Officer, **Barrick**

Brian Menell, Chairman & CEO, **TechMet**

Phillips Baker, President and Chief Executive Officer, **Hecla Mining**

René Aguilar, Vice President of Sustainability and Corporate Affairs, **Antofagasta**

Moderator: Maria-Yassin Jah, ESG Advisory Team, **SLR Consulting**

Moderator: Sophie Langlois, Associate, **Fasken**

Jason Berton, Executive Director, **Polar X**

13:20 **Lunch and Networking**

Nigeria



Mines and Money Pitch Battle
Heat 1 - Gold & Precious

13:00 **Nigeria Mining Showcase**

Nigeria: Unveiling the Hidden Treasures in the Solid Minerals Sector

Nigeria, often known for its oil and gas resources, is now emerging as a significant player in the Mining Industry. This panel aims to shed light on the abundant mineral resources, investment opportunities, regulatory framework, and sustainable development initiatives in Nigeria's Mining Sector.

1. Opening Remarks by Dele Alake, Honourable Minister of Solid Minerals Development, **Nigeria**

Topic: Overview of Nigeria's Mining Policy and Regulatory Framework, Government's Commitment to attracting Investment, and Sustainable Development in the Sector. (10 mins)

2. Panel Session:

Community Involvement for Socio-Economic Development:
One of the key elements in Nigeria's mining sector is the active engagement of local communities for socio-economic development. This strategy not only fosters positive relationships between mining companies and communities but also contributes significantly to the sustainable growth of the sector.

13:00 Three mining projects. Five natural resources investors. One winner. The Gold & Precious Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.

Judges:

Bert Koth, Managing Director and Partner Denham Mining Fund, **Denham Capital**

Simon Pople, Director, **Brookville Capital**

Florian Grummes, Managing Director, **Midas Touch Consulting**

Will Dymott, Director, Research Natural Resources, **Cenkos Securities**

Mark Williams, Director, **Charteris Treasury Portfolio Managers**

Battlers:

Colin Smith, Chief Executive Officer, **Gold Basin Resources**

Emcee: Jochen Staiger, Chief Editor, **Commodity TV**

Financing Options Available for Mining Projects in Nigeria and the Role of the Solid Minerals Development Fund:
Securing financing for mining projects in Nigeria is crucial for their success. Various financing options are available, including traditional banks, investment firms, and public-private partnerships. The Solid Minerals Development Fund (SMDF) plays a pivotal role in providing financial support and incentives to promote mining activities. It's essential to explore these financing avenues to unlock the full potential of Nigeria's mineral resources.

Available Geoscientific Data:
Access to accurate and up-to-date geoscientific data is critical for informed decision-making in the mining sector. Nigeria boasts a wealth of geological and geoscientific information that is readily accessible. These data sources include geological maps, mineral occurrence maps, and reports from the Nigerian Geological Survey Agency (NGSA). Such data are invaluable for exploration, resource estimation, and attracting investment.

Transparent and Efficient Mineral Title Administration:
Transparency and efficiency in mineral title acquisition are essential for fostering investor confidence and responsible resource development. Nigeria has made significant strides in establishing a transparent mineral title acquisition system. This system ensures that licenses and permits are granted through a clear and accountable process, reducing bureaucracy and corruption. This transparent approach is critical in attracting investment and promoting ethical mining practices.

Panellists:
Engr Obadiah Simon Nkom, Director General, **Nigeria Mining Cadastre Office**
Dr. Abdulrazaq Garba, Director General, **Nigeria Geological Survey Agency**
Hajiya Fatima Umaru Shinkafi, Executive Secretary, **Solid Minerals Development Fund**
Segun Lawson, CEO, **Segilola Operations Resources Ltd, Nigeria**

Wrap-up by Dr Mary A. Ogbe, Permanent Secretary, **Ministry of Solid Minerals Development**

Australia



14:00 **Australia**
Presentation by: **Geoscience Australia**

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**Environmental Resilience and Nature-Positive
Approaches to Mining**

- 14:00 **Session Chair's Opening Remarks**
SRK Consulting
- 14:05 **Keynote Panel: Nature Positive Mining – Can You Extract Resources but Also be a Defender of the Natural Environment?**
"It's very hard to make a hole in the ground nature-positive," Rohit Dhawan, CEO of CMM, says. "When you're making a hole in the ground, you're going to disturb nature."

"Less than 0.1%" of the world's total landmass. Compare that to agriculture, at "somewhere close to 50%", relatively speaking, the industry's planetary footprint is a "small portion" of the whole.

"For all the metals and minerals, we produce, it's remarkable how little of the world's land we disturb," Dhawan says. "But – and it's a big 'but' – often where we mine happens in areas where nature is very sensitive to change."

Issues discussed include:
- Reviewing successful rehabilitation efforts to offset damage in one area with investments in another
 - What can be done at the small-scale/artisanal mining end?
 - How can nature positive narrative be communicated with shareholders to avoid it being perceived as an oxymoron? Are some ecosystems so fragile that they can never be returned to their former state?
 - Incorporating the impact on local communities into the planning
 - Reviewing the TNFD (Taskforce for Natural Financial Disclosures). What standards and regulations are in place? Are any further required?
 - Why should this matter to investors?
- Panellists:
Philipa Varris, Head of Sustainability, **Horizonte Minerals**
Hayley Zipp, Director of Environment, **ICMM**
Matthew Fifield, Managing Partner, **Pacific Road Capital**
Francis Vorhies, Conservation Economist and Founding Director, **Earthmind**
Moderator: **SRK Consulting**
- 14:45 **Deep Sea Mining Presentation**
Premium Mining Spotlight: The Metals Company
NASDAQ GS: TMC | Exploration | Nickel, Cobalt, Copper, Manganese | Oceans

**REIMAGINING
MINING** 

Data Analytics, Interpretation and Applications

- 14:10 **Session Chair's Opening Remarks and Update; What Are the Challenges, What Innovation Is Needed, Where the Investment Is or Isn't Coming From?**

Carl is a natural connector bringing together disparate and seemingly unrelated people, groups, and organizations to transform possibilities into plans and plans into action. The hallmark of Carl's experience is collaboration and building innovation ecosystems to solve complex problems. As such, he provides strategic advice on partnerships, business development and intellectual property to companies of all sizes.
Issues discussed include:
- Collaboration is a continuum
 - Collaboration is all about people (and has little or nothing to do with technology)
 - Ecosystems are easy, and business ecosystems are hard
- Carl Weatherell, Executive Director, and Chief Executive Officer, **CMIC**
- 14:30 **Case Study: Applying Advanced Analytics for Plant Optimisation**
Issues discussed include:
- Implementing AI into mineral processing
 - What were the cost benefits?
 - What were the lessons learned?
- Rafael Estrada, Manager of Information Technology, Telecommunications and Process Control, **Antamina**

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Commodity Theses / Mining Spotlights

- 13:50 **Session Chair's Opening Remarks**
Alvaro Peralta, Chief Operating Officer, **MiningIR**
- 14:00 **Mining Spotlight: Impact Silver**
TSXV: IPT, FRANKFURT: IKL | Production | Silver | Mexico
Steven Gold, Corporate Development Officer, **Impact Silver**
- 14:10 **Mining Spotlight: Altus Capital**
Altus Gold
Exploration | Gold | USA
Michael Townsend, **Altus Gold** (Partner, **Altus Capital**)
- 14:20 **Mining Spotlight: Sierra Sun Group**
Private | Production and Development | Gold, Tin, REE, Zinc | Peru
Charles Fyfe, Chief Financial Officer, **Sierra Sun Group**
- 14:30 **Commodity Insight: Uranium Outlook for the Next 12 Months**

Issues discussed include:
- What are uranium's current supply/demand fundamentals?
 - Do end investors classify/perceive uranium as a green metal/part of the energy transition?
 - Where do the best opportunities lie in uranium? Established producers, exploration companies or ETFs?
 - How does adopting nuclear energy help in the fight against climate change?
 - Has uranium won the wider public as part of the clean energy solution that secures power generation and enhances national security?
- Panellists:
Robert Crayford, Portfolio Manager – Geiger Counter Fund, **CQS**
Warren Irwin, President and Chief Investment Officer, **Rosseau Asset Management**
Gaius King, Analyst, **Fox Davies Capital**
Moderator: Alvaro Peralta, Chief Operating Officer, **MiningIR**
- 15:00 **Mining Spotlight: ValOre Metals**
TSX-V: VO | Exploration | Uranium, Gold, PGMs | Golden Triangle, BC, Canada
Jim Paterson, Chairman & CEO, **ValOre Metals**
- 15:10 **Mining Spotlight: Baselode Energy**
TSXV:FIND | Exploration | Uranium | Canada
James Sykes, CEO & President, **Baselode Energy**

Gerard Barron, Chairman and Chief Executive Officer, **The Metals Company**

15:05 **Keynote Panel: ESG Starts with Exploration – Who Is Doing What Well in The Junior Space?**

- What are the key ESG criteria that investors use when assessing juniors? On a scale of 1 to 10 how do they rate juniors? Where are they succeeding and where are they falling short?
- What does a mining company need to do at the exploration stage, in terms of an actionable ESG strategy, and how does that differ to say, a mining company at development or production?
- Lessons learned from 'S' success stories from the front line of mining juniors who have engaged successfully with local communities

Panellists:
 Laura Blanco, Global Head of ESG, **Xcalibur Multiphysics**
 Fabian Baker, Managing Director, **Kingsrose Mining**
 Richard Williams, Chairman, **Bunker Hill Mining**
 Moderator: Remi Piet, Co-Founder and Senior Partner, **Embellie Advisory**

15:20 **Mining Spotlight: Nicola Mining**
 TSXV: NIM, FSE: HLI | Exploration, Development | Silver, Gold, Copper | Canada
 Peter Espig, Chief Executive Officer, **Nicola Mining**

15:30 **Mining Spotlight: Santacruz Silver Mining**
 TSXV: SCZ, OTC: SZSMF, FSE: 1SZ | Exploration, Production | Zinc, Silver | Bolivia
 Arturo Prestamo, Chief Executive Officer, **Santacruz Silver Mining**

15:40 **Mining Spotlight: U.S. Gold**
 NASDAQ: USAU | Exploration | Gold | WY, NV, and ID USA
 George Bee, President and Chief Executive Officer, **US Gold**

15:50 **Mining Spotlight: Fireweed Metals**
 TSX.V: FWZ | Exploration | Zinc/Lead/Silver | Yukon, Canada
 Brandon Macdonald, Chief Executive Officer, **Fireweed Metals**

16:00 **Mining Spotlight: Viva Gold**
 OTCQB:VAUCF, TSXV:VAU | Exploration | Gold | Nevada, USA
 James Hesketh, President & Chief Executive Officer, **Viva Gold**

16:10 **Mining Spotlight: Loncor Gold**
 FSE:LO51, OTCQX:LONCF, TSX:LN | Exploration | Gold | Democratic Republic of the Congo
 John Barker, Chief Executive Officer, **Loncor Gold**

16:20 **Mining Spotlight: Alto Metals**
 ASX | Exploration/Development | Gold | Western Australia
 Matthew Bowles, Managing Director, **Alto Metals**

16:30 **Mining Spotlight: First Class Metals**
 LSE | Exploration, Development | Gold, Silver, Copper, Nickel | Canada
 Marc J Sale, Chief Executive Officer / Executive Director, **First Class Metals**

16:40 **Mining Spotlight: Asiamet Resources**
 AIM:ARS | Production | Copper, Gold | Indonesia

16:50 **Mining Spotlight: Xanadu Mines**
 ASX: XAM | Exploration/ Development | Copper, Gold | Mongolia
 Colin Moorhead, Executive Chair, **Xanadu Mines**

15:35 **Session Chair's Opening Remarks**
Olimpia Pilch, Founder and Chief Operating Officer, **Critical Minerals International Alliance**

15:40 **Keynote Address: with a Leading Automotive Manufacturer**

In this address, Rivian will explain what their goals are relating to EV demand, production, and sourcing of minerals
Dan West, Director, Public Policy, **Rivian**

16:00 **Premium Mining Spotlight: Sayona Mining**
ASX: SYA / OTCQB: SYAXF | Exploration, Development, Production | Lithium, Gold, Graphite, | Australia/Canada
Guy Belleau, Chief Executive Officer, **Sayona Mining**

16:10 **Fireside Chat: Can the Industry Invent Itself Out of EV Supply Chain Challenges and Shortages?**

Donald Sadoway is a professor emeritus of materials chemistry at the Massachusetts Institute of Technology. He is a noted expert on batteries and has done significant research on improving the performance and longevity of portable power sources. In parallel, he is an expert on the extraction of metals from their ores and the inventor of molten oxide electrolysis, which has the potential to produce crude steel without the use of carbon reductant thereby eliminating greenhouse gas emissions.

Donald Sadoway is also Pure Lithium's Co-founder and Chief Scientific Officer, which aims to make lithium-metal anodes less expensive by using the cheapest form of lithium–lithium sulphate.

Issues discussed include:

- Are lithium-ion batteries a TINA (There Is No Alternative)? Or should the mining industry be thinking about alternatives?
- What minerals must be mined, and what minerals can be substituted?
- What is the link between battery technology, democracy, and progress?

Interviewees:
Donald Sadoway, Founder, Scientific Advisor, and Board Member at **Ambri** and **Boston Metal**; Founder of **Sadoway Labs**, **Avanti Battery**, **Pure Lithium**, and **Lunar Resources**
Interviewed by: Henry Sanderson, Executive Editor, **BenchMark Mineral Intelligence**

16:40 **UK Focus: Where Are We with the UK Critical Metals Roadmap?**
Issues discussed include:

- What are the UK's objectives and approach to critical minerals?
- What collaboration is taking place between government, industry and other key stakeholders?

14:50 **Panel Discussion: Adapting Water Management Strategies to Deal with the Threat of Climate Change**

Mining has always been heavily dependent on water. Without water, the extraction of copper, platinum group metals, diamonds and other valuable products would be practically impossible. But water is becoming increasingly scarce: with a predicted shortfall of 40% by 2030, exacerbated by climate change, The shortage of clean, fresh water represents the greatest global societal and economic risk over the next decade.

What technologies are being designed to encourage processing with less/no water? How can we reduce water waste in mining operations?

Issues discussed include:

- Increasing water efficiency with a closed-loop recycling system
- Improving the measurement of evaporation rates to conserve more water
- How can innovations in geothermal help water management?
- Using low-cost dry tailings disposal to limit water loss
- Innovating with dry separation techniques that use less water
- New thinking to use less water when separating waste rock from ore
- Applying strong and transparent corporate water governance
- Managing water at operations effectively
- Collaborating to achieve responsible and sustainable water use

Panellists:
Helen Robinson, Senior Hydrogeologist, **Wardell Armstrong**
Operations Lead Africa, **International Geothermal Association**
Hubert Fleming, **Mining Technology Entrepreneur**
Anna Poberezhza, Chief Executive Officer and Founder, **ClearHub**
Professor Asieh Hekmat, **University of Concepcion, Chile**
Moderator: Professor Patrick Foster, Director and Associate Professor in Mine Safety, **Camborne School of Mines**

15:20 **Technology Spotlight: Wardell Armstrong**

15:30 **Technology Spotlight: Zurich, Insurance**
Robert Grafen-Greaney, Head of Mining Risk EMEA, **Zurich**

15:40 **Keynote Panel: Tailings, Safety and Mining's 'Zero Harm' Approach: Where Are We with the GISTM (Global Industry Standard on Tailings Management)? Are People and Communities Being Prioritised, and What Frameworks Are in Place to Assure Transparency?**

Issues discussed include:

- What solutions are there to make mine rehabilitation economic?
- Evaluating some of the tailings management business models being introduced?
- What is the role of engineering design and innovation?
- What innovations do we see in tailings processing?

17:00 Three mining projects. Five natural resources investors. One winner. The Critical Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.

Judges:
Artyom Sitnikov, Director, **Regreen Capital**
Paul Renken, Senior Geologist and Mining Analyst, **VSA Capital**
George Pyper, Managing Director, **Endeavour Financial**
Jay Roberge, President, **Tehama Capital**
Rudolph De Bruin, Founding Partner, **AMED Funds**
Battlers:
Jim Paterson, Chief Executive Officer, **Valore Metals**
Jurie Wessels, Executive Chairman, **Vanadium Resources**
Emcee:
Alvaro Peralta, Chief Operating Officer, **MiningIR**

18:00 **Chair's Closing Remarks**

- How will success be measured? What are the success stories so far?

Panellists:

Paul Atherley, Chairman, **Pensana**
Dr Kathryn Goodenough, Principal Geologist & International Lead, **British Geological Survey**
Sean Sargent, Chief Executive Officer, **Green Lithium**
Jeremy Wrathall, Founder and Chief Executive Officer, **Cornish Lithium**

Moderator:

Olimpia Pilch, Founder and Chief Operating Officer, **Critical Minerals International Alliance**

17:10 **Chair's Closing Comments**

- Using low-cost dry tailings disposal to limit water loss
- What further partnerships and collaboration opportunities are being developed to improve tailings management?

Panellists:

Aidan Davy, Chief Operating Officer, **International Council On Mining And Metals, ICMM**
Andre Gagnon, Director, **Tailings Management**, Technical Services, **Lundin Mining**
Richard Elmer, Director, **Knight Piésold**
Megan Allison, Group Environment and Sustainability Manager, **Central Asia Metals**
Moderator: Professor Patrick Foster, Director and Associate Professor in Mine Safety, **Camborne School of Mines**

16:20 **Technology Pitch Battle**

Three tech start-ups. Four tech investors/experts. One winner. The Technology Pitch Battle will have three tech start-ups pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the start-ups battle it out to become the winner. At the end of the session each judge will give their reasons for which is the most investible tech start-up and why. give their reasons why.

Contestants:

Martin Spitznagel, Chief Executive Officer, **Bind-X**
Melinda Moore, Chief Executive Officer, **Vinca Technologies**
Max Rolf, Co-Founder and Chief Executive Officer, **Sensmore**
Mike Neal, Chief Executive Officer, **DecisionNext**

Judges:

Mark O'Brien, General Manager - Digital Technology and Innovation, **CITIC Pacific Mining**
Carl Weatherell, Executive Director and Chief Executive Officer, **CMIC**
Roby Stancel, Board Member, Investment Advisor (VC, PE), Partner in Consultancy, Angel Investor, **Innovation Architects**
Mikhail Taver, Founder & Managing Partner, **Taver Capital**
Kal Ruberg, Chair, **Global Mining Guidelines Group**
Emcee: Carl Weatherell, Executive Director and Chief Executive Officer, **CMIC**

17:10 **Chair's Closing Comments**

DAILY EVENT FEATURES



Mines and Money Pitch Battles

**START AT 13:00 & 17:00, NOV 28
MINES AND MONEY @ RESOURCING
TOMORROW INVESTMENT THEATRE**

Three mining projects. Five natural resources investors. One winner. The Gold & Precious Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight minute Q&A session from the investor panel as the miners battle it out to become the winner.



Technology Pitch Battle

**START AT 16:20, NOV 28
REIMAGINING MINING THEATRE**

The Technology Pitch Battles are an exciting new feature at Resourcing Tomorrow. You will hear from three innovative start-ups who will share their best and brightest pitch to a panel of technology investors and industry experts. All pitches will be followed by an in-depth Q&A, with judges carefully judging who wins the title of the most investible start-up at the event.



Country / Regional Seminars

**START AT 12:00, 13:00 & 14:00, NOV 28
REIMAGINING MINING THEATRE**

Canada Showcase Panel (12:00)
Indigenous Partnerships – the Key to Success in
Canada's Critical Minerals Sector

Nigeria Mining Showcase (13:00)

Australia Presentation (14:00)



Delegate Networking Reception

**START AT 17:00, NOV 28
EXHIBITION SHOW FLOOR**

The close of day one networking reception allows the opportunity for all attendees to unwind over a refreshing drink with industry peers to exchange business knowledge and forge long-lasting partnerships.

Sponsorship opportunities are available now. Your brand could be at the centre of on-site relationship building. Email connect@resourcingtommorrow.com for more information on networking sponsorship.



WEDNESDAY, 29 NOVEMBER 2023

07:30 **Registration**

08:00 **Traxys Resourcing Tomorrow Connect meeting platform opens and meetings commence**



Exploring, Sourcing, Financing and Supplying the Critical Minerals Required to Resource Tomorrow

08:40 **Opening Remarks from Organiser**

Andrew Thake, Divisional Director, **Resourcing Tomorrow**

08:50 **Session Chair's Opening Remarks**

Remi Piet, Co-Founder and Senior Partner, **Embellie Advisory**

09:00 **Keynote Panel: Reviewing the EU Critical Minerals Act: Status, Opportunities and Challenges for the Mining Industry**

President von der Leyen announced the Critical Raw Materials Act during her 2022 State of the Union speech, where she called to address the EU's dependency on imported critical raw materials by diversifying and securing a domestic and sustainable supply of critical raw materials

What will the Act mean for the mining industry? Issues discussed include:

Issues discussed include:

- What are governments willing to do to secure critical raw materials? offtakes? Investment, and if so, how? Specialist funds? Directly? Sovereign support?
- What do the EU Critical Raw Materials Act and Green Industrial Plan mean for the mining industry? How does it compare to the US Inflation Reduction Act?
- Achieving circularity in the raw materials value chain
- Current status of the European battery value chain
- Implementation and impact of the EU Battery Directive
- New European Battery Alliance targets, opportunities, and challenges

Panellists:

Robert Bayliss, Portfolio Manager, **EIT InnoEnergy**

Matti Hietanen, Chairman, Finnish Batteries Industries and Chief Executive Officer, **Finnish Minerals Group**

Rolf Kuby, Director General, **Euromines**

Peter Handley, Deputy to the Director, Head of Unit, DG GROW at European External Action Service - **European Union**

Paul Cronin, Managing Director and Chief Executive Officer, **Adriatic Metals**

Moderator: Ludivine Wouters, Managing Partner, **Latitude Five**

09:40 **Ministerial Keynote: Yukon**

The Honourable Ranj Pillai, Premier of Yukon

09:50 **Keynote Panel: Ensuring the Responsible Sourcing and Secure Supply of Critical Minerals Throughout the Entire Value Chain**

Solving the critical minerals conundrum is not just about ensuring you have enough critical minerals. It is about building resilient supply chains including midstream processing challenges, energy security and resource independence.

Issues discussed include:

- What are the ramifications of the Inflation Reduction Act?
- The geopolitics around energy security – which countries provide the greatest degree of risk? What are the ESG issues
- What measures can be taken to mitigate supply chain risk?
- What is the role of government in ensuring the security of supply? When should they intervene?
- What are some of the solutions to the challenge of midstream processing?
- Which governments have a meaningful, actionable critical minerals strategy?
- What are some of the challenges of critical minerals processing?

Panellists:

HE Khalid Almudaifer, Vice Minister, Ministry of Industry and Mineral Resources, **Kingdom of Saudi Arabia**

Maité Blanchette Vézina, Mining and Natural Resources Minister, **Quebec Government**

Claire Spooner, Deputy Director, Faraday Battery Challenge, **Innovate UK**

Cindy Valence, Executive Vice President & Chief Sustainability Officer, **Sayona Mining**

Susannah McLaren, Head of Responsible Sourcing and Sustainability, **Cobalt Institute**

Peter Zadora, ESG Director Acceleration, **Umicore**

Rasheed Abdullah AlRushaid, Chairman & CEO, **AlRushaid Group**

Moderator: Remi Piet, Co-Founder and Senior Partner, **Embellie Advisory**

10:50 **Ministerial Keynote: British Columbia**

Josie Osbourne, Minister of Energy, Mines and Low Carbon Innovation of British Columbia, **British Columbia**

11:00 **Keynote Panel: How Can the Industry Shorten the Gap from Exploration to Production? Why Does the Lasso Curve Still Take 16 Years? New Thinking in Financing, Technology, Collaboration and Innovation**

A recurring challenge the industry faces is the lack of new discoveries and mines coming into production. Easy discoveries have become exhausted, and Miners have become averse to grassroots projects in "risky" jurisdictions. To paraphrase JFK, we do mining because it is hard, not because it is easy. What needs to change in exploration today to meet the demands of Resourcing Tomorrow?

Issues discussed include:

- "There is no such thing as failure. Just learning many times". How can we explore better? "Drill it or kill it?" when to greenlight projects and when to give up
- How can we use technology better?
- How can we collaborate better?
- How can we finance better?

- In 1956 a copper mine took 4 years to get permitted. In 2022 it took 14 years on average. Why is permitting policy often out of sync with government policy towards critical minerals, and what can be changed?

Panellists:

David Awram, Co-Founder and Director, **Sandstorm Gold**
Sonia Scarselli, Vice President BHP Xplor Program, **BHP**
Dan James, Chief Operating Officer, **Plethora Private Equity**
Kurt House, Co-Founder, **KoBold Metals**
Osam Iyahan, Senior Director, **Africa Finance Corporation**

Moderator: Michael Pickersgill, Partner, **Torys LLP**

**RESOURCING
TOMORROW** 

Towards the Circular Economy; Recycling and Other Practical Solutions

**REIMAGINING
MINING** 

New Thinking in AI

mines and money
@ RESOURCING TOMORROW

Commodity Theses / Mining Spotlights

11:40 Keynote Panel: How Are Mining Companies Grasping the Circularity Opportunity?

A true economy must be implemented 'from the ground up' The circular economy is often seen as focused on reducing the input of raw materials to reduce waste. Yet recycling rates for many metals remain low, with far too much ending up as waste. However, recycling alone will not be enough for us to meet demand. Despite the importance of recycling in helping realise the durability of metals, we need to better understand how it risks establishing an unjust transition, like any model that eliminates primary sources of materials.

The journey towards making mining a circular process is already underway, and it has great potential to drive growth and a positive contribution to both people and the planet. The mining industry needs to establish a systemic approach to the circular economy very strategically and deliberately that builds on that rather than stops it in its tracks.

Issues discussed include:

- How will circularity change the way we think about mining and its supply chains?
- What are the gains to be made in product circularity and process circularity?
- We could see different business or circularity models evolving around specific commodities.
- From theory to practice: what does mine in a circular economy really mean? How do mining business models need to change? How can the industry move from 30% by 2030 as a static business model to a dynamic one? What role will renewable energy solutions (green hydrogen, solar, recycling) play?

09:45 Welcoming Remarks
Jonathon Leader, Event Director, **Resourcing Tomorrow**

09:55 Session Chair's Opening Remarks and Presentation
Discontinuous improvement and its importance in mining. For a business to survive it needs Continuous Improvement. For a business to lead it needs Discontinuous Improvement. In this presentation Kal Ruberg discusses some of the challenges of the mining industry not thinking in a systemic way and how short-termism does not help the industry reach its long-term objectives such as net-zero. Kal's presentation will demonstrate that by adopting discontinuous improvement, mining companies can achieve a paradigm shift in innovation, and with that real, measurable revolutionary change in their business.
Kal Ruberg, Chair, **Global Mining Guidelines Group**

10:10 Keynote Address: Digital Transformation and AI-driven Optimisation Across the Mining Supply Chain
Issues discussed include:

- RACE 21 objectives and outcome
- Leveraging AI learning techniques across the whole mining chain to unlock value
- Understanding it is not about the technology but about what you do with the technology to drive differentiated outcomes

Greg Brouwer, Vice President, Technology & Innovation, **Teck Resources**

10:40 Technology Spotlight: Conundrum AI
Konstantin Kiselev, Chief Executive Officer, **Conundrum AI**

11:00 Technology Spotlight: Thermo Fisher Scientific Geochemistry in the field
Chris Calam, EMEA Sales Manager, **Thermo Fisher Scientific**

09:55 Session Chair's Opening Remarks
Fiorella Rivera, Partner Latin America, **Embellie Advisory**

10:00 Commodity Insight: With All the Interest in Critical Minerals, Where Are the Investment Opportunities in Gold Over the Next 12 Months?

Issues discussed include:

- Why are central banks buying gold, and what does this mean for the medium-term outlook of the gold industry?
- What feedback has been given to the World Gold Council's Gold247 project.
- What will drive the price of gold in 2024? Inflation? War in Ukraine? Economic uncertainty?
- Where do the best investment opportunities lie? Explorers, producers, royalty/streaming or ETFs?
- Assuming gold goes up, what will happen with the price of silver?
- Will 2024 see increased M&A and consolidation in the gold industry, given the recent Newmont/Newcrest announcement? Are there too many gold companies?

Panellists:
John Wong, CIO Resource Investments, **Drakewood Capital Management**
Florian Grummles, Managing Director, **Midas Touch Consulting**
Torsten Dennin, Chief Investment Officer, **Asset Management Switzerland**
Andrew Ballingal, Chief Investment Officer, **Ballingal Investment Advisors**
Moderator: Jochen Staiger, Chief Editor, **Commodity TV**

10:40 Mining Spotlight: Exploits Discovery
OTCQX: NFLDF, CSE: NFLD | Exploration | Gold | Canada

- Balancing miner's technical and financial requirements with social and environmental aspects. What is the role of local communities?
- What is the role of governments in helping enable mining's role in the circular economy?

Panellists:

Julia Poliscanova, Senior Director, Vehicles & Emobility Supply Chains, **Transport & Environment**
Chris McDonald, Chief Executive Officer, **Materials Processing Institute**
Vicente Mello, Country Manager,, Brazil **AECOM**
Adina Georgescu, Energy & Climate Change Director, **Eurometaux**
Moderator: Melinda Moore, Chief Executive Officer, **Vinca Technologies**

12:20 **Keynote Panel Discussion: New Thinking in Recycling And Substitution**

The IEA estimates that, by 2040, recycled copper, lithium, nickel and cobalt from spent batteries could reduce demand for fresh extraction of these minerals by only 10%.

Issues discussed include:

- Where are the greatest opportunities in recycling for miners and investors?
- Recycling of products already in use
- Electric battery recycling
- Mine tailings recycling
- Does recycling and circularity require a different mindset on behalf of the miners? If so, how?
- What are the key steps in the recycling process across the mining supply chain?
- Bridging the communication gap between the corporate head office and the mine site to make recycling a reality

Panellists:

Julian Treger, Chief Executive Officer, **Cotec Holdings**
Christian Marston, Chief Operating Officer, **Altium**
Helen Waters, Head of Electric Battery Recycling, **EMR**
Hillary Amster, Director of Assurance and Impact, **The Copper Mark**
Moderator: Melinda Moore, Chief Executive Officer, **Vinca Technologies**

11:20 **Technology Spotlight: Stratum AI**
Farzi Yusufali, Co-founder, **Stratum AI**

- 11:40 **Keynote Address: What Are Some of the Practical Challenges of Using General AI in Mining Operations?**
Issues discussed include:
- Ensuring you have the right quality of data and avoid 'garbage in, garbage out'
 - Integration and sustainability considerations
- Dr Ali Soofastaei, Australia and Africa Analysis Manager, **Newmont**



Country / Regional Seminars

Quebec Mining Showcase



12:00 **Positive CSM (Critical and Strategic Minerals) Track record: Québec Policies and Strategies for the mining industry**

The Government of Québec, last year's winner for most improved jurisdiction by Mines and Money, has built a unique business environment favourable to mining project development through a series of coordinated policies and participation by crown corporations. The focus on critical and strategic minerals has yielded several significant developments such as the newest active lithium producer in North America and the newest scandium producer in North America, and one of the largest new discoveries of lithium in the world with Patriot Battery Metals' Corvette property, in which Albemarle has become a strategic partner. This panel will highlight how mobilization by Québec has yielded not just a CSM plan, but a positive track record.

Speakers:

Nathalie Camden, Associate Deputy Minister of Natural Resources and Forests, **Quebec**
Jean-François Béland, Vice-President, Ressources Québec, **Investissement Québec**
Catherine Jalbert Vice President, **Soquem**
Martin Gagnon, President, **Jacmar**

Jeff Swinoga, President & Chief Executive Officer, **Exploits Discovery**

10:50 **Mining Spotlight: Discovery Group**
Jim Paterson, Chairman and Chief Executive Officer, **Discovery Group**

11:00 **Mining Spotlight: Renforth Resources**
CSE: RFR | Exploration | Gold | Canada
Nicole Brewster, President & Chief Executive Officer, **Renforth Resources**

11:10 **Mining Spotlight: Minera Alamos**
TSXV:MAI | Development, Production | Gold | Mexico
Doug Ramshaw, President, **Minera Alamos**

11:20 **Mining Spotlight: Quatro Metals**
Private | Development | Gold | Ecuador
David Rowson, Commercial Director, **Quatro Metales**

11:30 **Mining Spotlight: Tesoro Gold**
ASX:TSO, OTCQB:TSORF | Development, Exploration | Gold | Chile
Geoff McNamara Non-Executive Director, **Tesoro Gold**

11:40 **Mining Spotlight: Delta Resources**
TSXV: DLTA FRANKFURT 6G01 OTCQB: DTARF | Exploration | Gold, Nickel, Copper, | Canada
Andre Tessier, Chief Executive Officer and President, **Delta Resources**

11:50 **Mining Spotlight: Coda Minerals**
ASX: COD | Exploration | Copper, Cobalt | Australia
Chris Stevens, CEO, **Coda Minerals**

12:00 **Mining Spotlight: Thor Exploration**
AIM:THX, TSXV:THX | Exploration, Production | Gold | Nigeria, Senegal & Burkina Faso
Segun Lawson, Chief Executive Officer, **Thor Exploration**

12:10 **Mining Spotlight: Adriatic Metals**
LSE: ADT1, ASX: ADT, OTCQX: ADMLF | Development | Zinc, Silver | Bosnia & Serbia
Paul Cronin, Chief Executive Officer, **Adriatic Metals**

12:20 **Mining Spotlight: iMetal Resources**
TSXV: IMR | Exploration | Gold | Ontario, Canada
Saf Dhillon, President & Chief Executive Officer, **iMetal Resources**

12:30 **Mining Spotlight: Elementos**
ASX: ELT | Exploration, Development | Tin | Spain, Australia
Joe David, Chief Executive Officer, **Elementos**

12:40 **Mining Spotlight: First Tin**
LSE: 1SN | Exploration, Development | Tin | Germany & Australia

		<p>Thomas Buenger, Managing Director and Chief Executive Officer, First Tin</p> <p>Mining Spotlight: Venture Minerals 12:50 ASX: VMS Exploration, Development Tin Spain, Australia Andrew Radonjic, Managing Director, Venture Minerals</p> <p>Mining Spotlight: Central Asia Metals 13:00 AIM: CAML Production Copper, Lead, Zinc Kazakhstan, North Macedonia Nigel Robinson, Chief Executive Officer, Central Asia Metals</p>
<p>13:00 Lunch and Networking</p>	<p style="text-align: center;">Ontario Mining Showcase</p>  <p>13:00 Ontario Mining Showcase – Critical Minerals Opportunities in Ontario</p> <p>Panelists: Matt Fernley, Director of Research, Westbeck Capital Management Henry Sanderson, Executive Editor, BenchMark Mineral Intelligence</p>	<p style="text-align: center;">Mines and Money Pitch Battle Heat 3 – Base Metals</p> <p>13:10 Three mining projects. Five natural resources investors. One winner. The Base Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.</p> <p>Judges: Richard Shemesian, Chief Investment Officer, Bennelong Venture Capital Mark Tyler, London Representative, Auramet Trading Miranda Werstiuk, Chief Executive Officer, Fuchsia Capital Michael Colligan, Partner, Blue Lakes Advisors Greg Harris, Investor, Jacri Capital</p> <p>Battlers: Brandon Macdonald, Chief Executive Officer, Fireweed Metals Todd Ross, Managing Director, Nordic Nickel</p> <p>Emcee: Ellis Martin, Founder and CEO, Ellis Martin Report</p>
<p style="text-align: center;">RESOURCING TOMORROW </p> <p style="text-align: center;">Financing Trends in Mining</p> <p>13:40 Session Chair's Opening Remarks Tania Eyanga, Chief Executive Officer, Central Africa Markets Venture Capital & Private Equity Association</p> <p>13:45 Panel Discussion: Where Are the Best Investment Opportunities in the Battery Metals Space and What Are the Key ESG, Resource Estimation and Supply Chain Considerations?</p> <p>Issues discussed include:</p>	<p style="text-align: center;">REIMAGINING MINING </p> <p style="text-align: center;">Electrification and Technologies for Decarbonisation</p> <p>14:00 Session Chair's Opening Remarks Kevin Sabin, Managing Director, Brownlee Cale, and President, ABMEC</p> <p>14:10 Special Address: Mining 3.0: Unlocking Resources in Space Jose Acaín, CTO and Co-Founder of AstroForge, brings nearly a decade of aerospace experience at SpaceX and NASA. Jose was the Deputy Chief Engineer for the first SpaceX Falcon 9 vehicle and Lead Avionics Integration Engineer and Mission Operator for the first four Dragon spacecraft vehicles that launched into space. While at NASA, Jose designed, integrated, tested, and operated</p>	<p style="text-align: center;">mines and money @ RESOURCING TOMORROW</p> <p style="text-align: center;">Commodity Theses / Mining Spotlights</p> <p>14:00 Session Chair's Opening Remarks Mark Fairbairn, Chief Content Officer, StockBox</p> <p>14:10 Mining Spotlight: Power Nickel TSXV: CRE, OTCQX: CRECF, FSE: F12 Exploration Nickel Canada Terry Lynch, Chief Executive Officer, Power Nickel</p> <p>14:20 Mining Spotlight: NickelSearch ASX: NIS Exploration Nickel Australia</p>

- Are investors prepared to invest in battery minerals projects? What commodities are they looking at? What stage are they investing in?
- What are the resource estimation challenges? How can you be sure that the resource estimates are accurate?
- How might battery composition change in the next few years and what investment opportunities does this create?
 - Cobalt
 - Copper
 - Graphite
 - Lithium and lithium-ion phosphate
 - Nickel
 - Manganese
- What geopolitical dimensions need to be considered when it comes to supply chains?
- Is the industry equipped to meet demand?
- Will Europe lag North America in battery metals due to lack of funding alone?

Panellists:

Amanda van Dyke, Managing Director, **ARCH Emerging Markets Partners**

Jessie Chen, Director, **Long State Investments**

Bert Koth, Managing Director and Partner Denham Mining Fund, **Denham Capital**

Senior Representative, **Draslovska**

Moderator: Tania Eyanga, Chief Executive Officer, **Central Africa Markets Venture Capital & Private Equity Association**

14:25 **Premium Mining Spotlight: Resolute Mining**

ASX: RSG | Production | Gold | West Africa

Terry Holohan, Chief Executive Officer and Managing Director, **Resolute Mining**

14:35 **Panel Discussion: M&A Outlook for the Next 12 Months – Where Are the Key Trends and Opportunities We Are Seeing?**

- Where will we see the most activity? Consolidation in the gold space? Greater vertical integration in critical minerals?
- What is the role of ESG in M&A activity?
- How is the industry repositioning ESG as a strategic imperative in M&A strategy?
- How does the shareholder focus on ESG concerns impact M&A and M&A assessment and the ability to get deals done?
- Seeing ESG as source of opportunity as well as risk in M&A transactions
- Managing risk and successful transaction execution – how do you measure environmental and social impact?

Panellists:

Pim Kalisvaart, Portfolio Manager, **Hawke's Point Capital**

David Street, Managing Partner, **Tembo Capital Management**

Jay Hambro, Co-Founder, Verdigris Strategic

micro-lab satellites. On his way to founding AstroForge, he worked on autonomous vehicles at Volkswagen Electronics Research Laboratory and vehicle software at Bird Rides. Jose attended Santa Clara University where he earned a bachelor's degree in Mathematics and a Master's degree in Mechatronics and Robotics

Jose Acain, CTO and Co-Founder, **AstroForge**

14:30 **Panel Discussion: Building a Successful AI Framework within Your Mine**

Issues discussed include:

- Laying the foundations of the AI strategy through experimentation and investigation
- Determining what parts of your mining operation can either be fully automated or require minimal manual intervention
- Practical advice for building AI into your mining operation
- Leveraging analytical tools to provide centralised decision-making capabilities

Panellists:

Farzi Yusufali, Cofounder, **Stratum AI**

Dr Ali Soofastaei, Australia and Africa Analysis Manager, **Newmont**

Mikhail Taver, Founder & Managing Partner, **Taver Capital**

Martyna Szydłowska, Project Manager in Research and Technology Development in Technology Development and Services, **Sandvik Digital Mining Technologies**

Moderator: Kevin Sabin, Managing Director, **Brownlee Cale**, and President, **ABMEC**

14:30 **Mining Spotlight: Emerita Resources**
FRA:LLJA, OTCQB:EMOTF, TSXV:EMO | Exploration | Copper, Gold, Silver, Zinc
David Gower, Chief Executive Officer and Director, **Emerita Resources**

14:40 **Mining Spotlight: Anglesey Mining**
LSE:AYM | Exploration | Copper, Gold, Lead, Silver, Zinc | Wales, Sweden & Canada
Jo Battershill, Managing Director, Chief Executive Officer, **Anglesey Mining**

14:50 **Mining Spotlight: Amex Exploration**
TSXV: AMX, FRA: MX0, OTCQX: AMXEF | Exploration | Gold, Copper | Quebec, Canada
Kelly Malcolm, VP Exploration, **Amex Exploration**

15:00 **Mining Spotlight: ECR Minerals**
AIM: ECR | Exploration, Development | Gold | Australia
Andrew Haythorpe, Chief Executive Officer, **ECR Minerals**

15:10 **Mining Spotlight: Canagold Resources**
TSXV: CCM | Exploration, Development | Gold | British Columbia, Canada
Catalin Kilofliski, Chief Executive Officer, **Canagold Resources**

15:20 **Mining Spotlight: Abcourt Mines**
TSXV: ABI | Development, Exploration | Gold | Canada
Pascal Hamelin, President & Chief Executive Officer, **Abcourt Mines**

15:30 **Mining Spotlight: Sonoro Gold**
TSXV: SGO, OTCQB: SMOFF, FRA: 23SP | Development, Exploration | Gold | Mexico
Kenneth Macleod, President & Chief Executive Officer, **Sonoro Gold**

15:40 **Mining Spotlight: Vanstar Mining Resources**
TSXV: VSR | Exploration | Gold | Quebec, Canada
J.C. St-Amour, President & Chief Executive Officer, **Vanstar Mining Resources**

15:50 **Mining Spotlight: Tomagold**
TSX-V: LOT | Exploration | Gold | Canada
David Grondin, President, **TomaGold**

16:00 **Mining Spotlight: Impact Minerals**
ASX: IPT | Exploration | Gold, Silver, Lead, Zinc, Copper, Nickel | Australia
Dr Mike Jones, Managing Director, **Impact Minerals**

Taiwo Okwor, Vice President, **Africa Finance Corporation**
Moderator: Miranda Werstiuk, Chief Executive Officer, **Fuchsia Capital**

**RESOURCING
TOMORROW** 

Community Centric Approaches To Mining

**REIMAGINING
MINING** 

Digitalisation and Connected Mines

mines and money
@ RESOURCING TOMORROW

Mines and Money Pitch Battle
Heat 4 – Mixed (Any Commodity)

15:15 **Session Chair's Opening Remarks**
Siri Genik, Principal & Founder, **BRIDGE**

15:20 **Address from Chad Mining Minister**
Hon. Abdelkerim Mahamat Abdelkerim, Minister of Mines & Geology, **Chad**

15:30 **Keynote Panel: From 'Social License to Operate' to 'Social License to Market'**
In the last few years, miners have sought to build a "social license to operate" by developing relationships with communities and governments. However, as global needs evolve, the industry must now also consider both investor and consumer concerns about a responsible value chain to obtain a "social license to market".

Issues discussed include:

- How have stakeholder expectations evolved /changed?
- How do you build successful relationships?
- Can governments and miners collaborate better to 'mine for good'? Do we know what that means?
- How can you make positive the societal and human capital?
- What standards should miners follow? Is there one size fits all?
- The role of local procurement? Global procurement?

Panellists:
Maria Lya Ramos, Associate Director, **Oxfam America**
Jeff Geipel, Managing Director, **Mining Shared Value**
Bill Cobb, Vice President and Chief Sustainability Officer, **Freeport McMoRan**
Jennifer Prospero, Senior Director, Sustainability, **Eldorado Gold**
Moderator: Siri Genik, Principal & Founder, **BRIDGE**

16:10 **Address: Kursi Investments**
Kursi Investment is a leading indigenous mining company in Nigeria leading in both gold mining and production of copper, silver, zinc and lead.

Founded in 2005 by Amb. AbdulFatai Yahaya Seriki Gambari, The Company's world-class portfolio of assets, prospects and

15:10 **Panel Discussion; Deploying Connectivity for a More Sustainable and Efficient Mining Operation**

- Transitioning to an ultra-intelligent bright mine with an automated network-as-a-service platform service to easily connect, control and streamline operations
- Improving asset management: connect geographically distributed operations with a single management hub for real-time cross-operational visibility and accurate insights across the entire mining ecosystem
- Reducing infrastructure costs: experience fast deployment times and dynamic network control to scale up or down depending on requirements or lifecycles
- Improved safety, security, and efficiency: deploy thousands of IoT sensors and devices for predictive maintenance, real-time monitoring, and remote control
- Unlocking full mine automation and performance improvements for business-critical application

Panellists:
Simon Gatty Saunt, VP Sales Europe **SES Networks**
Senior Representative, Orange
Moderator: Carl Weatherell, Executive Director and Chief Executive Officer, **CMIC**

15:40 **Case Study: Exxaro– The Expectation vs the Reality of Innovation in Mining**

- Different approaches to Innovation across the 3 tiers of the organisation:
- Innovation within the onsite operational space, focussed on increased efficiency and optimisation often digital in nature
- Strategic innovation related to specific functions, such as geology, mobile equipment etc. often large mechanical in nature
- Business model innovation and management innovation focussed on the strategic direction of the business
- Examples of how innovation is approached and managed within each tier
- Case studies on expectation vs. reality of innovations which delivered as promised and those which didn't and learnings of each

Elaine Hattingh, Manager: Innovation, **Exxaro Resources**

16:10 Three mining projects. Five natural resources investors. One winner. The Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.

Judges:
Patrick Chidley, Partner, **3ppb**
Claude Bejet, Private Investor and Newsletter Writer
Didier Rault, Founder & Chairman, **World Mining Investment**
Alain Corbani, Portfolio Manager Mining, **Montbleu France**
Charlie Archer, **Financial Analyst**

Battlers:
Craig Taylor, Chief Executive Officer, **Defense Metals**

Emcee:
Mark Fairbairn, Chief Content Officer, **StockBox**

17:00 **Chair's Closing Remarks**

<p>talent is anchored in favorable mining jurisdictions in Nigeria with mining sites spanning across various states such as Kwara, Gombe, Bauchi, Taraba, Nasarawa, Plateau, Niger, Zamfara and Ebonyi States of Nigeria.</p> <p>Kursi Investments Limited is an industry leader in value creation, supported by robust safety standards, superior execution and technical proficiency.</p> <p>Abdulfatai Yahaya, Founder, Kursi Investments</p>	<p>16:00 Address: Scenario Planning - Escaping the Haunted House of Uncertainty The presentation explores the importance of decoupling drilling programs that characterise resource from deterministic mine plans; to stabilise strategy and operations while ensuring optimal use of investment capital.</p> <p>Rhonda O'Sullivan, Manager Planning and Resource Delivery, BHP</p>	
<p>16:30 Keynote Panel: Mining for Purpose: How Can Mining Be an Agent for Socio-Economic Change and Drive Shared Purpose and Value via Stakeholder Engagement?"</p> <p>It's often said that the most challenging part about opening a new mine isn't getting the raw materials out of the ground, it's managing the complex relationship with all the stakeholders, particularly those that are part of the mine's landscape.</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • What does "effective" mean? • Identifying the "right" approach: identifying the stakeholders, their concerns, and interests • Identifying legacy issues with previous activities/owners. • Clarifying goals and objectives for engagement for you and for them ... what does that mean? • What does success look like, and how do you get there? • How does the company engage its internal teams to engage with the external stakeholders on the ground? <p>Panellists: Maryse Belanger, Chair, Interim President and Chief Executive Officer, IAMGold Senior Representative Barrick Siri Genik, Principal & Founder, BRIDGE@ Grace Barrasso, Vice President Sustainable Development, Arcelor Mittal Moderator: Peggy Bell, Principal Consultant and Founder, Resource Becoming</p>	<p>16:20 Panel Discussion: Reimagining Mining Exploration – How Can Technology Innovation Help Shorten the Timelines Between Exploration and Production?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • How have the technology challenges of exploration discovery changed? • What innovations are we seeing in the following areas: <ul style="list-style-type: none"> - drones - mapping - photographic imagery • What technology can be repurposed from other industries? • Incremental change vs step change technologies? <p>Panellists: Ben Young, Sales and Marketing Manager, Xcalibur MPH South Africa and ME Marcus Lake, Managing Director, Phoenix Mining Technologies Rhonda O'Sullivan, Manager Planning and Resource Delivery, BHP Roby Stancel, Board Member, Investment Advisor (VC, PE), Partner in Consultancy, Angel Investor, Innovation Architects</p> <p>Moderator: Kevin Sabin, Managing Director, Brownlee Cale, and President, ABMEC</p>	
<p>17:10 Chair's Closing Remarks</p>	<p>17:00 Chair's Closing Remarks</p>	

DAILY EVENT FEATURES



Mines and Money Pitch Battles

START AT 13:00 & 16:10, NOV 29
MINES AND MONEY @ RESOURCING TOMORROW
INVESTMENT THEATRE

Three mining projects. Five natural resources investors. One winner. The Gold & Precious Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.



Country / Regional Seminars

START AT 12:00 & 13:00, NOV 29
REIMAGINING MINING THEATRE

Quebec Mining Showcase (12:00)
Positive CSM Track record: Québec Policies and Strategies for the mining industry

Ontario Mining Showcase (13:00)



Women in Mining UK and Beacon Events Delegate Networking Reception

START AT 17:00, NOV 29
EXHIBITION SHOW FLOOR

The close of day two networking reception allows the opportunity for all attendees to unwind over a refreshing drink with industry peers to exchange business knowledge and forge long-lasting partnerships.

Sponsorship opportunities are available now. Your brand could be at the centre of on-site relationship building. Email connect@resourcingtomorrow.com for more information on networking sponsorship.



THURSDAY, 30 NOVEMBER 2023

07:30 Registration

08:00 Traxys Resourcing Tomorrow Connect meeting platform opens and meetings commence



Driving Financial, Technological, Social And Government Collaboration, Trust And Innovation To Enable The Mining Innovation Ecosystem Of The Future

08:50 **Opening Remarks from Organiser**
Andrew Thake, Divisional Director, **Resourcing Tomorrow**

09:00 **Session Chair's Opening Remarks**
Fiorella Rivera, Partner Latin America, **Embellie Advisory**

09:10 **Keynote Panel: Trust Is the Most Precious of All Commodities – How Can It Be Built Throughout the Entire Mining Value Chain?**

Trust is the one commodity that can't be mined but is critical to the growth of the mining industry. Yet, in many surveys, mining comes bottom when compared to other verticals when it comes to trust. What can we do to address the trust deficit?

Issues discussed include:

- Understanding is not trust – what is the public's understanding of the mining industry, and what practical steps can be taken to address misconceptions
- Concrete examples of where trust was gained and lost; what were the bottom line/revenue benefits?
- Building the 'triangle of trust' between governments, miners and investors
- Innovation happens at the speed of trust. The need for trust between competitors and the importance of co-creation
- Communicating better with shareholders. Building a better narrative
- Why are some sectors, banking, for example, given a free pass when it comes to trust, but mining isn't?

Panellists:

Rohitash Dhawan, President and Chief Executive Officer, **International Council of Mining and Minerals (ICMM)**
Alison Atkinson, Group Director – Projects & Development, **Anglo American**
Elaine Dorward-King, Non-Executive Director, Sibanye Stillwater at **Kenmare Resources** and **NovaGold**
Adam Matthews, Chief Responsible Investment Officer, **Church of England Pensions Board, Chair Transition Pathway Initiative**
Carl Weatherell, Executive Directors and Chief Executive Officer, **CMIC**
Moderator: Fiorella Rivera, Partner Latin America, **Embellie Advisory**

09:50 **Keynote Panel: How Can Mining Appeal More to Green Funds and Non-Traditional Resource Investors?**

Can ESG save the mining industry? With many viewing the sector as being significantly undervalued, why hasn't the necessity for critical minerals broken down the barriers? If the problem is a reputational risk, then how can this be mitigated?

If ESG is now being widely adopted by mining companies, why hasn't money flowed in from non-traditional natural resource investors? What needs to change?

Issues discussed include:

- What's still preventing ESG funds from investing in mining?
- How does the sector screen on both footprint and handprint solutions
- If ESG ratings are the solution to raising money from finance, why is the cost of capital so high?
- What ESG questions are end investors / LPs asking institutional investors / GPs before allocating funds?
- How can ESG reporting be improved? Avoiding the common mistakes of greenwashing and green hushing
- The Economist, which recently proposed that the only bit that really mattered was the "E", and that should stand for "Emissions" – would our panellists agree?

Panellists:

David Halkyard, Managing Director Partner, **Resource Capital Funds**
Erik Belz, Head of Private Capital, **Engine No.1**
Moderator: Jamie Strauss, Founder and CEO, **Digbee**

10:30 **Keynote Panel: Capital Markets, Outlook for the Year Ahead – What Key Trends in Mining Can We Expect?**

Issues discussed include:

- Outlook on the current flow of capital into the mining sector
- Trends in equity, debt and alternative financing
- Trends in project financing
- Dealing with the impacts of inflation, climbing interest rates and the net zero challenge on financing within the mineral sector
- Opportunities for capital markets when investing in the critical/ metals sector in 2024

Panellists:

Morgan Carroll, EVP Corporate Finance, General Counsel, **Endeavour Mining**
Caroline Donally, Managing Partner, **Sprott Streaming**
Michael Amm, Partner, **Torys LLP**
Dean McPherson, Head of Global Mining, **TMX**
Moderator: Stacy Hope, Managing Director, **Women in Mining UK**

**RESOURCING
TOMORROW** 

Next Generation Leaders Forum

 **CRIPPS & SEARS**

**REIMAGINING
MINING** 

Green Steel and Hydrogen

mines and money
@ RESOURCING TOMORROW

Commodity Theses / Mining Spotlights

Our Next Gen Leader programme in 2022 attracted over 100 students and graduates to the event. We targeted not universities offering mining degrees (Imperial, Camborne, Dundee) but tangential degrees (geology, business, engineering, health and safety) from the likes of Oxford, Bristol, Leicester, East Anglia, Southampton, St. Andrews and Birkbeck College.

Our mission at Resourcing Tomorrow is to show how mining is an inclusive industry which offers opportunities for everyone. What degree or qualifications you have, whatever your background is, there is a place in the mining industry for you. This session will be followed by a Speed Connect Graduates meets Employers on the Exhibition Floor

11:10 Session Chair's Opening Remarks and Industry Survey Findings Securing mining's future workforce: Taking action today for a better tomorrow
Rowan Phendler, Director - Natural Resources, **Cripps Leadership Advisers**

11:30 Keynote Panel: Securing mining's future workforce: Taking action today for a better tomorrow

Some reports predict that as much as 50% of the mining workforce will be retired by 2029. Where will the future supply of talent come from?

Issues discussed include:

- How can the mining industry appeal better to graduate employees?
- Diversifying into other industries to increase the pool of talent
- How can the mining industry attract more diversity?
- How does the mining industry rate as a sector as an appealing place to work compared with other sectors? Where is it succeeding? Where is it falling short? The importance of mentorship

Panellists:

Sonia Scarselli, Vice President BHP Xplor Program, **BHP**
Mark Cutifani, Head of Base Metals, **Vale**
Ross R Bhappu, Partner, Head of Private Equity Mature Funds, **Resource Capital Funds**
Lisa Ali, Chief People Officer, **Anglo Gold Ashanti**
Rohit Dhawan, President and Chief Executive Officer, International Council of Mining and Minerals, **ICMM**

11:10 Session Chair's Opening Remarks
James Campbell, Steel Analyst, **CRU**

11:20 Keynote Panel: Capitalising on the Green Steel Opportunity

With steel responsible for between 7 to 9% of global emissions, breakthrough technologies have been developed with the aim of eliminating emissions from steel production by using hydrogen and other innovative solutions instead of fossil fuels.

Issues discussed include:

- What market share will green steel have by the end of the decade? In which regions and markets will adoption happen first?
- Evaluating the different green steel solutions:
 - Electrolysis
 - Smart carbon capture and storage
- Building an effective framework for the development of green steel
- Establishing a realistic carbon pricing system that makes hydrogen-based steel production more competitive
- Creating a premium market for green steel to encourage companies, organisations and governments to make buying decisions based on sustainability
- Providing sustainable funding instruments that drive low-carbon initiatives
- What are some of the drawbacks of using hydrogen? How can the roadblock of the lack of abundant supplies of low-carbon hydrogen be overcome?

Panellists:

Prasanta Mishra, Executive Director, **Liberty Steel**
Luisa Orre, Chief Procurement Officer, **H2 Green Steel**
Niall Mac Dowell, Professor in Energy Systems Engineering, **Imperial College**
Moderator:
James Campbell, Steel Analyst, **CRU**

12:00 Mining Spotlight: ADX Energy
ASX: ADX | Exploration & Production | Oil, Gas, Hydrogen | Austria, Romania, Italy
Ian Tchacos, Executive Chairman, **ADX Energy**

12:10 Mining Spotlight: Bactech Environmental
Ross Orr, President and CEO, **Bactech Environmental**

10:30 Session Chair's Opening Remarks
Saúl Ricardo Feilbogen, Partner, **Vitale, Manoff & Feilbogen**

10:40 Commodity Insight: Analysts Predict We Will Need an Extra 6.5 Million Tonnes of Copper by 2035, Where Will It Come From?

With a structural supply deficit are we entering the 'Copper Age'? Where are the best mining investment opportunities in copper to meet demand? Existing tier discoveries or untapped exploration opportunities.

Issues discussed include:

- What are some of the possible demand scenarios over the next 10 years? On the supply side, what is happening to meet evolving demand; are there viable substitutes or copper and are there any potential technology game-changers in copper extraction?
- Copper has traditionally flattered to deceive as a base metal. In view of this, is it different this time around?
- A closer look at China's demand fundamentals
- What will be the impact of copper recycling on demand?
- What are the differences in investment opportunity and exposure to copper via the majors, mid-tier copper specialists, juniors and ETFs and the associated upside and downside risks involved.
- Are particular types of deposit and jurisdiction better suited to either majors or juniors and what sort of deposit / jurisdiction combinations operating approaches by majors and juniors should investors look for or avoid?
- In view of the discussion of types of possible copper investment company, types of deposit and jurisdiction, briefly, where should investors focus lie and why?

Panellists:

Matthew Geiger, Managing Partner, **MJG Capital Management**
Michael Colligan, Partner, **Blue Lakes Advisors**
Lawrence Roulston, Chief Executive Officer, **Westbay Advisors / MTB Metals**
Gonzalo Waldman, Partner, **Synergy Capital**
Moderator: Alex Christopher, Senior Analyst – Multi Commodity Analysis, **CRU**

11:10 Mining Spotlight: Central Copper Resources
Ticker: Private | Exploration | Copper | Democratic Republic of the Congo, Zambia
Luke Knight, Chief Executive Officer, **Central Copper**

<p>Moderator: Rowan Phendler, Director - Natural Resources, Cripps Leadership Advisers</p> <p>12:10 What Will the World Look Like in 10 Years and Where Does Mining, Technology and Innovation Fit In?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • Design thinking in mining • Focusing on the customer before designing the solution • Where is innovation happening in mining? • The advantages of being smaller and more nimble <p>Roby Stancel, Board Member, Investment Advisor (VC, PE), Partner in Consultancy, Angel Investor, Innovation Architects</p> <p>12:30 Keynote Panel: How Can Academia Respond to the Challenge of Encouraging More Students to Pursue a Career in Mining</p> <p>Madeline Young, Senior Lecturer, Module Leader, University of Northampton Rachel Stonehouse, Head of Policy, Institute Of Materials, Minerals And Mining Dennis Buchanan, Senior Research Fellow and Director of the MSc in Metals and Energy Finance, Imperial College London Professor Patrick Foster, Director and Associate Professor in Mine Safety, Camborne School of Mines</p> <p>13:00 Lunch and Networking</p>	<p>12:20 Mining Spotlight: Cornish Lithium Jeremy Wrathall, Founder and Chief Executive Officer, Cornish Lithium</p> <p>12:30 Mining Spotlight: Nordic Mining</p> <p>12:40 Mining Spotlight: Culpeo Minerals ASX:CPO Exploration Copper Chile Max Tuesley, Managing Director, Culpeo Minerals</p> <p>12:50 Mining Spotlight: Desert Gold Ventures TSX-V: DAU Exploration, Development Gold Mali Jared Scharf, President & Chief Executive Officer, Desert Gold Ventures</p> <p>13:00 Mining Spotlight: CMC Metals TSXV: CMB Exploration Alumina, Zinc, Tin, Nickel, Lead, Copper Canada Kevin Brewer, Chief Executive Officer, CMC Metals</p> <p>13:10 Mining Spotlight: Avenira ASX: AEV Exploration, Development Gold, Phosphate Australia</p> <p>13:20 Mining Spotlight: Honey Badger TSXV: TUF, OTCQB:HBEIF Exploration Silver Yukon, Ontario</p> <p>13:30 Technology Spotlight: Matec</p>	<p>11:20 Mining Spotlight: Royal Road Minerals TSXV:RYR Development, Exploration Copper, Gold Colombia Timothy Coughlin, CEO, Royal Road Minerals</p> <p>11:30 Mining Spotlight: Hammer Metals ASX:HMX Exploration Copper, Gold Australia Dan Thomas, Managing Director, Hammer Metals</p> <p>11:40 Mining Spotlight: PlatineX FRANKFURT: 9PX, CSE: PTX Exploration Gold, Copper Ontario, Canada Greg Ferron, Chief Executive Officer, PlatineX</p> <p>11:50 Mining Spotlight: Goldplay Mining TSXV: AUC.V Exploration Gold, Copper Portugal, British Columbia, Canada Chris Osterman, Chief Executive Officer, Goldplay Mining</p> <p>12:00 Mining Spotlight: Tempest Minerals ASX: TEM Exploration Copper, Gold, Lithium, Iron Ore Western Australia Don Smith, Managing Director, Tempest Minerals</p> <p>12:10 Mining Spotlight: Pan Global Resources TSXV: PGZ Exploration Copper, Tin Spain Andy Marshall, Chief Financial Officer, Pan Global Resources</p> <p>12:20 Mining Spotlight: GoviEx Uranium TSXV: GXU Exploration, Development Uranium Niger, Zambia, Mali Daniel Major, Chief Executive Officer, GoviEx Uranium</p> <p>12:30 Mining Spotlight: Lithium Chile TSXV: LITH, OTCQB: LTMCF Exploration Lithium Chile Michelle DeCecco, Vice President, Lithium Chile</p> <p>12:40 Mining Spotlight: International Graphite ASX: IG6 Development Graphite Australia Robert Hodby, Chief Financial Officer and Company Secretary, International Graphite</p> <p>12:50 Mining Spotlight: Lithium Ionic TSX: LTH.V, OTCQB: LTHCF Exploration Lithium Brazil Blake Hylands, CEO of Lithium Ionic</p>
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**RESOURCING
TOMORROW** 
How Are Geopolitics Impacting Mining Supply Chains

mines and money
@ RESOURCING TOMORROW
Commodity Theses / Mining Spotlights

<p>14:00 Session Chair's Opening Remarks Fiona Clouder, Director, ClouderVista, Senior Advisor, Appian Advisory</p>	<p>13:00 Session Chair's Opening Remarks Michael Fox, Publisher, The Prospector News</p>
<p>14:10 Keynote Panel: Are We in a Long-Term Commodity Super Cycle as Commodity Competition Increases?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • What is driving commodity demand in 2023? What will drive commodity demand over the next 5 years? • Which key commodities are in favour with our panellists? Which key commodities are out of favour • How does this feed into investment strategies into the mining sector? <p>Panellists: Mark Burridge, Chief Executive Officer and Managing Partner, Baker Steel Capital Managers George Cheveley, Portfolio Manager, Ninety One Michael Barton, Managing Partner, Orion Resource Partners Clive Burstow, Managing Director, Head of Natural Resources, Barings Tania Eyanga, Chief Executive Officer, Central Africa Markets Venture Capital & Private Equity Association Moderator: Fiona Clouder, Director, ClouderVista, Senior Advisor, Appian Advisory</p>	<p>13:10 Commodity Insight: What's Different This Time About the Interest in Rare Earths vs the Previous Boom?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • What are the supply/demand fundamentals? • In which rare earths are we seeing the most significant demand? • What will be the impact of the LKAB Kiruna Rare Earths discovery? • What is the role of China in all of this? <p>Panellists: Christopher Ecclestone, Principal and Mining Strategist, Hallgarten & Company Richard Crookes, Managing Partner, Lionhead Resources Professor Asieh Hekmat, University of Concepcion, Chile Moderator: Michael Fox, Publisher, The Prospector News</p>
<p>14:50 Keynote Panel: What Is the Role of China's Mining Industry in Helping Resource Tomorrow?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • Where and how are Chinese companies making strategic investments and partnerships? • How are the Chinese building mineral supply chains? <p>Panellists: George Fang, Executive Vice Chairman, Zhejiang Huayou Cobalt Peter Arkell, Chairman, Global Mining Association of China Tom Kendall, Global Head of Metals Sales, ICBI Standard Bank</p> <p>Moderator: Fiona Clouder, Director, ClouderVista, Senior Advisor, Appian Advisory</p>	<p>13:40 Mining Spotlight: Defense Metals TSX:V DFMTF:OTCQB FSE: 35D Rare Earth Elements Exploration Canada Craig Taylor Chief Executive Officer, Defence Metals</p>
<p>15:30 Keynote Panel: What Does Deglobalisation Mean For The Mining Industry, And How Can The Risk Be Managed/Mitigated?</p> <p>Issues discussed include:</p> <ul style="list-style-type: none"> • Is deglobalisation a temporary phenomenon or a long-term trend? Is higher inflation, less stability and more macro volatility here to stay? • What will the impact of deglobalisation be on mining supply chains? • How is the Russian invasion of Ukraine reshaping resource investing? • How does economic and military geopolitical realignments impact the mining industry? • How can geopolitical risk be managed? • How does an investor evaluate the risk/reward of a country with a history of resource nationalism? • A government's life expectancy may typically be five years, whilst a mining life cycle from exploration to the end of production may be 20 years – how can this mismatch be balanced from the risk management perspective? • Where does ESG fit into geopolitical risk management? <p>Marcos Camhis, Chief Executive Officer, FOS Asset Management Karim-Michel Nasr, Chief Executive Officer, La Mancha Tal Lomnitzer, Portfolio Manager - Net Zero Transition Resources Fund, Janus Henderson Investors Gervais Williams, Equity Portfolio Manager, Miton Group</p>	<p>13:50 Mining Spotlight: Hastings Technology Metals ASX: HAS Exploration Rare Earths Metals Western Australia</p> <p>14:00 Mining Spotlight: Fathom Nickel CSE: FNI OTCQB: FNICF FSE: 6Q5 Exploration Nickel Canada Doug Porter, President, Fathom Nickel</p> <p>14:10 Mining Spotlight: Pharex Mineração Exploration Brazil Paulo Husserl Nascimento dos Santos, Chief Executive Officer, Pharex Mineração Brasil</p> <p>14:20 Mining Spotlight: Image Resources ASX: IMA Production, Exploration, Development Mineral Sands Australia Patrick Mutz, Managing Director, Image Resources</p> <p>14:30 Mining Spotlight: Geophysx Jamaica Ticker: Private Exploration Copper, Gold, Silver Jamaica Bobby Stewart, Director, Geophysx Jamaica</p> <p>14:40 Mining Spotlight: AT Group Exploration Gold, Copper, Lead, Silver, Zinc Armenia</p> <p>14:50 Mining Spotlight: Asante Gold CSE: ASE, OTC: ASGOF, FSE: 1A9 Exploration, Development, Production Gold Chana, Canada Dave Anthony, President and Chief Executive Officer, Asante Gold</p> <p>15:00 Mining Spotlight: Galan Lithium ASX: GLN Exploration, Development Lithium Argentina & Australia Juan Pablo (JP) Vargas de la Vega, Managing Director, Galan Lithium</p>

Moderator: Fiona Clouder, Director, **ClouderVista**, Senior Advisor, **Aprian Advisory**

- 15:10 **Mining Spotlight: Panoro Minerals**
TSXV: PM, OTCQB: POROF | Exploration | Copper | Canada
Luquman Shaheen, Chief Executive Officer, **Panoro Minerals**
- 15:20 **Mining Spotlight: Firering Strategic**
Development | Lithium, Coltan-Tantalum-Niobium | Côte d'Ivoire
- 15:30 **Mining Spotlight: enCore Energy**
TSXV:EU NYSE American:EU | Producer | Uranium | USA
William M. Sheriff, Executive Chairman, **enCore Energy**
- 15:40 **Mining Spotlight: Viking Mines**
ASX: VKA | Exploration | Vanadium, Nickel, Copper, Cobalt | Australia
Julian Woodcock, Managing Director, **Viking Mines**
- 15:50 **Mining Spotlight: Meraki Mining**
Private | Exploration | Gold | United Kingdom
Marcus Cheyne, Chief Executive Officer, **Meraki Mining**

**RESOURCING
TOMORROW** 

Mining Pitch Battle Final

16:10 **Mines and Money Mining Pitch Battle**
Grand Final Over the Last 2.5 Days, 15 Mining Projects Will Have Been Whittled Down to Five.
Who Will Be the Winner?

Judges:

Mark Burridge, Chief Executive Officer and Managing Partner, **Baker Steel Capital Managers**
Tal Lomnitzer, Portfolio Manager - Net Zero Transition Resources Fund, **Janus Henderson Investors**
David Street, Managing Partner, **Tembo Capital Management**
Rob Dixon, Mining Finance, **Jett Capital Advisors**
Emcee: Alvaro Peralta, Chief Operating Officer, **MiningIR**

DAILY EVENT FEATURES



Mines and Money Pitch Battle Final

START AT 16:10, NOV 30
RESOURCING TOMORROW THEATRE

Three mining projects. Five natural resources investors. One winner. The Gold & Precious Metals Mining Pitch Battle will have three mining companies pitch for just three minutes, followed by an in-depth eight-minute Q&A session from the investor panel as the miners battle it out to become the winner.



Speed Connect: Graduates Meet Employers

START AT 13:00, NOV 30
EXHIBITION SHOW FLOOR

Speed Connect is a networking session open to graduates and potential employees. Cut out the small talk and get straight to business. All participants will attend with the sole purpose of making connections.

There will be 20 future potential employers for graduates to meet, a cross section of miners, investors & financiers, consultants, technology providers, law firms and other prospective employers.

EMPLOYERS

Rowan Phendler, Director Natural Resources, **Cripps Leadership Advisers**
George Pyper, Managing Director, **Endeavour Financial**
Nick Morris, **Ecton Mine Trust**
Martyna Szydlowska, Project Manager in Research and Technology Development in Technology Development and Services, **Sandvik Digital Mining Technologies**
Laura Blanco, Global Head of ESG, **Xcalibur Multiphysics**
Fabian Baker, Managing Director, **Kingsrose Mining**
George Cheveley, Portfolio Manager, and **Tom Chamberlyne Ninety One**
David Awram, Co-Founder and Director, **Sandstorm Gold**
Matthew Fifield, Managing Partner, **Pacific Road Capital**
Andre Gagnon, Director, **Tailings Management**, Technical Services, **Lundin Mining**
Christopher Ecclestone, Principal and Mining Strategist, **Hallgarten & Company**
Alex Christopher, Senior Analyst – Multi Commodity Analysis, **CRU**
Grace Barrasso, Vice President Sustainable Development, **Arcelor Mittal**
Kristen Dodd, Communications Director, **International Council on Mining and Metals (ICMM)**
David Halkyard, Managing Director Partner, **Resource Capital Funds** Alice England, General Counsel, **Ecora Resources**
Simon Gatty Saunt, VP Sales Europe, **SES Networks**
Michelle DeCecco, Vice President, **Lithium Chile**
Peter Espig, Chief Executive Officer, **Nicola Mining**
Peter Arkell, Chairman, **Global Mining Association of China**
Caroline Donally, Managing Partner, **Sprott Streaming**
Nigel Robinson, Chief Executive Officer,
And Louise Wrathall, Director of Corporate Relations **Central Asia Metals**

RESOURCING TOMORROW AWARDS & GALA DINNER

OUTSTANDING ACHIEVEMENT

Resourcing Tomorrow Outstanding Achievement Awards and Gala Dinner

START AT 19:00, NOV 30
HAC (HONORABLE ARTILLERY COMPANY)

Guest Speaker: Randy Smallwood, Chief Executive Officer, **Wheaton Precious Metals** interviewed by David Tait, Chief Executive Officer, **World Gold Council**
Emcee: Jo Caulfield, Comedian, Writer, Crime Fighter

Award Judges:

Mark O'Brien, General Manager - Digital Technology and Innovation, **CITIC Pacific Mining**
Danielle Chigumura, Director Securities Research – EMEA Metals and Mining, **Credit Suisse**
Remi Piet, Co-Founder and Senior Partner, **Embellie Advisory**
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