RESOURCING TOMORROW

ACCELERATING THE ENERGY TRANSITION

28 – 30 November 2023 | Business Design Centre, London

Europe's Largest Mining, Energy and Resources Event

2023 PROGRAMME >>>



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CONFIRMED KEYNOTE SPEAKERS





Roy Harvey Chief Executive Officer Alcoa



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 CobbVice President and
Chief Sustainability
Officer
Freeport McMoRan



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



Anna BrogHead of Sustainability
Kenmare Resources



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



Dominic BartonChairman
Rio Tinto



Greg Brouwer General Manager, Technology & Innovation Teck Resources



Mark Cutifani Chair Vale Base Metals



Randy Smallwood Chief Executive Officer Wheaton Precious Metals









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MONDAY, 27 NOVEMBER 2023



Resourcing Tomorrow At The Palace Of Westminster

13:00 Critical Minerals Ministerial Roundtable

The Resourcing Tomorrow team are delighted to be partnering with the UK Critical Minerals Association to organise a 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.

16:30 Critical Minerals Ministerial Reception

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 Resourcing Tomorrow Connect Meetings Commence



Redefining The Mining Value Chain For The Energy Transition To A Low-Carbon Economy

08:30 Opening Remarks from Organiser

Andrew Thake. Divisional Director, Resourcing Tomorrow

08:40 Session Chair's Opening Remarks

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

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

09:10 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 comanages the BGF World Gold, BlackRock Gold & General and BGF World Mining funds. He is also comanager 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 for **BlackRock** Interviewer:

10:10 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
- 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

30 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.



Keynote Panel: Bridging the Disconnect to Supply The Metals Required For The Energy

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 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, midtiers, 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

Phillips Baker, President and Chief Executive Officer, Hecla Mining

René Aquilar, Vice President of Sustainability and Corporate Affairs, Antofagasta

Moderator: Reserved for SLR Consulting

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 Bert Koth, Managing Director and Partner Denham Mining Fund, Denham Capital Senior Representative. Ontario Government Moderator:



Driving Sustainability and Transformational Change with

Session Chair's Opening Remarks

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?



The Future of Innovation in Mining

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



Commodity Theses / Mining Spotlights

09:50 Session Chair's Opening Remarks

Ellis Martin, Founder and CEO, Ellis Martin Report

10:00 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 US300million 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?









- 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

Mark Wade, Head of Sustainability Research and Stewardship, Allianz Global Investors

Kevin PCJ D'Souza, Chief Sustainability Officer Resource Capital Funds (Pending Final Confirmation) Mining Association of Canada Moderator:

11:50 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** Moderator:

12:20 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 12:30 investors, customers, rating agencies all requiring ESG information to be parcelled up in slightly different ways

Carl Weatherell, Executive Director, and Chief Executive Officer, CMIC

10:50 What Will the World Look Like In 10 Years and Where Does Mining, Technology and Innovation Fit In?

Issues discussed include:

- · 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 Roby Stancel, Board Member, Investment Advisor (VC, PE), Partner in Consultancy, Angel Investor, Innovation Architects

11:10 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

- 11:30 Technology Spotlight: ALS Global
- 11:40 Technology Spotlight: Evident Scientific
- 1:50 Technology Spotlight: IMDEX / Reflex James Cleverley, Technology and Data Solutions for Mining and Exploration. IMDEX

Technology Spotlight: MSA Labs

- 12:00 Technology Spotlight
- 12:10 Technology Spotlight



12:30 **Canada**

(Hosted By the Mining Association of Canada And Natural Resources Canada)

What will be the impact of lithium recycling?

Panellists:

Martin French, Director, London Specialised Capital Roland Chavasse, Secretary General, International Lithium Association

Moderator:

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.

10:30 Mining Spotlight 1: Bradda Head Lithium

LSE: BHL | Development | Lithium | USA Charles Fitzroy, Chief Executive Officer, **Bradda Head Lithium**

10:40 Mining Spotlight 2: Vision Lithium

TSXV: VLI, OTCQB: ABEPF, FRA: 1AJ2 | Exploration | Lithium, Copper, Gold, Nickel, Zinc | Quebec, Canada Wanda Cutler, Vice President, Vision Lithium

10:50 Mining Spotlight 3: Imagine Lithium

TSXV: ILI, OTČQB: ARXR | Exploration | Lithium | Thunder Bay, Canada

JC St-Amour, President, Imagine Lithium

11:00 Mining Spotlight 4: Grid Metals Corp

TSXV: GRDM, OTCQB: MSMGF | Exploration, Development | Copper, Nickel, Lithium | Manitoba & Ontario, Canada Robin Dunbar, President and Director, **Grid Metals**

11:10 Mining Spotlight 5: Ion Energy

TSXV: ION, OTC: IONGF | Exploration | Lithium | Mongolia

11:20 Mining Spotlight 6: Stavely Minerals

ASX | Exploration | Gold, Silver, Copper | Australia Chris Cairns, Executive Chairman and Managing Director, **Stavely Minerals**

11:30 Mining Spotlight 7: Besra Gold

ASX: BEZ | Exploration, Development | Gold | Malaysia Ray Shaw, Chief Executive Officer, **Besra Gold**

11:40 Mining Spotlight 8: Gold Basin Resources

TSX-V: GXX

| Exploration | Gold | USA











 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 Chigumura, Director Securities Research – EMEA Metals and Mining, **Credit Suisse**Moderator:

3.00 Lunch And Networking

11:50 Mining Spotlight 9: Aris Mining

TSX: ARIS, OTCQX: TPRFF | Development, Production | Gold | Colombia. Guvana. Canada

12:00 Mining Spotlight 10: PolarX

ASX: PXX | Exploration| | Gold, Silver | Alaska, USA Jason Berton, Executive Director, **Polar X**

12:10 Mining Spotlight 11: Impact Silver

TSXV: IPT, FRANKFURT: IKL | Production | Silver | Mexico Frederick Davidson, President & Chief Executive Officer, Impact Silver

12:20 Mining Spotlight 12: Honey Badger

TSXV: TUF, OTCQB:HBEIF | Exploration | Silver | Yukon, Ontario

12:30 Mining Spotlight 13: Altus Capital

Altus Gold Exploration | Gold | USA

Michael Townsend, Altus Gold (Partner, Altus Capital)

12:40 Mining Spotlight 14: Sierra Sun Group

Private | Production and Development | Gold, Tin, REE, Zinc | Peru Charles Fyfe, Chief Financial Officer, **Sierra Sun Group**

Mines And Money Pitch Battle Heat 1 - Gold & Precious

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:

Simon Popple, Director, Brookville Capital

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

Emcee.

Ellis Martin, Founder and CEO, Ellis Martin Report

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Environmental Resilience and Nature-Positive Approaches
To Mining

MINING TO THE MINING

Data Analytics, Interpretation and Applications

minesanamoney

a resourcing tomorrow

Commodity Theses / Mining Spotlights

14:00 Session Chair's Opening Remarks

:00 Session Chair's Opening Remarks

13:50 Session Chair's Opening Remarks

14:10

4:10 Case Study: Applying Advanced Analytics for Plant Optimisation

14:00 Commodity Insight: Uranium Outlook for The Next 12 Months









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," Rohitesh 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, Environmental Stewardship & Social Progress Manager, International Council Mining and Metals. ICMM Matthew Fifield, Managing Partner, Pacific Road Capital Francis Vorhees, Conservation Economist and Founding Director, Earthmind

15:10 Moderator: SRK Consulting

Deep Sea Mining Presentation Premium Mining Spotlight: The Metals Company NASDAQ GS: TMC | Exploration | Nickel, Cobalt, Copper, Manganese | Oceans Gerard Barron, Chairman and Chief Executive Officer, The Metals Company

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

- 14:30 Technology Spotlight
- 14:50 Technology Spotlight

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 Crayfourd, Portfolio Manager - Geiger Counter Fund, CQS Warren Irwin, President and Chief Investment Officer, Rosseau Asset Management (Pending Final Confirmation) Moderator:

14:30 Mining Spotlight 15: ValOre Metals

TSX-V: VO

| Exploration | Uranium, Gold, PGMs | Golden Triangle, BC, Canada Jim Paterson, Chairman & CEO, ValOre Metals

14:40 Mining Spotlight 16: Baselode Energy

TSXV:FIND | Exploration | Uranium | Canada James Sykes, CEO & President, Baselode Energy

14:50 Mining Spotlight 17: Nicola Mining

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

15:00 Mining Spotlight 18: Santacruz Silver Mining

TSXV: SCZ, OTC: SZSMF, FSE: 1SZ | Exploration, Production | Zinc. Silver I Bolivia Arturo Prestamo, Chief Executive Officer, Santacruz Silver Mining

15:10 Mining Spotlight 19: U.S. Gold

NASDAQ: USAU | Exploration | Gold | WY, NV, and ID USA George Bee, President and Chief Executive Officer, US Gold

15:20 Mining Spotlight 20: Fireweed Metals

TSX.V: FWZ| Exploration | Zinc/Lead/Silver | Yukon, Canada

15:30 Mining Spotlight 21: Viva Gold

OTCQB:VAUCF, TSXV:VAU | Exploration | Gold | Nevada, USA

15:40 Mining Spotlight 22: Loncor Gold

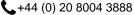
FSE:LO51, OTCQX:LONCF, TSX:LN | Exploration | Gold | Democratic Republic of the Congo John Barker, Chief Executive Officer, Loncor Gold

15:50 Mining Spotlight 23: Pivotal Metals

ASX: RFR | Exploration | Tungsten | Europe













Steven Turner, Managing Director, Pivotal Metals

16:00 Mining Spotlight 24: First Class Metals

LSE | Exploration, Development | Gold, Silver, Copper, Nickel | Canada

16:10 Mining Spotlight 25: Delta Resources

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

16:20 Mining Spotlight 26: Culpeo Minerals ASX:CPO | Exploration | Copper | Chile Max Tuesley, Managing Director, Culpeo Minerals

16:30 Mining Spotlight 27: Coda Minerals ASX: COD | Exploration | Copper, Cobalt | Australia

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EV Migration And Critical Minerals Roadmaps

15:30 **Keynote Fireside Chat with A Leading Automotive** Manufacturer

In this address, a leading car manufacturer will explain what their goals are relating to EV demand, production, and sourcing of minerals

Interviewer:

Quentin Wilson, Transport Campaigner, Electric Car Owner, Automotive Journalist, and Original Presenter Top Gear

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:



Waste And Tailings Management

15:00 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
- 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
- Applying strong and transparent corporate water governance
- Managing water at operations effectively
- · Collaborating to achieve responsible and sustainable water use

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MINES OF CINCIPAL RESOURCING TOMORROW

Mines And Money Pitch Battle Heat 2 - Critical Metals

16:40 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 indepth 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 Battlers:

Vanadium Resources

Emcee:

Alvaro Peralta, Chief Operating Officer, MininglR











- 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?

Interviewee:

Donald Sadoway, Founder, Scientific Advisor, and Board Member at Ambri and Boston Metal; Founder of Sadoway Labs, Avanti Battery, Pure Lithium, and Lunar Resources

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

Panellists:

Paul Atherley, Chairman, Pensana Eimear Deady, Economic Geologist, British Geological Survey Sean Sargent, Chief Executive Officer, Green Lithium Moderator:

Olimpia Pilch, International Partnerships & Business Manager, Critical Minerals Association United Kingdom (CMA UK)

Panellists:

Helen Robinson, Senior Hydrogeologist, Wardell Armstrong, Operations Lead Africa, International Geothermal Association Hubert Fleming, Mining Technology Entrepreneur

- 15:40 Technology Spotlight: Matec
- 15:50 Technology Spotlight: Wardell Armstrong

Keynote Panel: 16:00

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

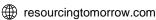
Panellists:

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

Moderator:











DAILY EVENT FEATURES



Dialoque Table: Is ESG Outdated?

13:30, NOV 28 | EXHIBITION SHOW FLOOR

Dialogue Table is where we focus in-depth on a key industry topic in a roundtable setting. The discussion is interactive and informal, enabling you to come away with practical, ready-to-implement takeaways

Dialogue Table: Is ESG Outdated?

The Economist has suggested that the only letter that matters in ESG is E, which should be redefined to mean 'Emissions'. With a multiplicity of standards, do we need to rethink what ESG means? Are ESG ratings only adding to confusion and costs? Can ESG standards be trusted? How can overall accountability be improved?





Technology Pitch Battle

16:00, NOV 28 | EXHIBITION SHOW FLOOR

Three tech start-ups. Five tech investors. One winner. The Technology Pitch Battle will have three tech star-tups 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.

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





Delegate Networking Reception

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@resourcingtomorrow.com for more information on networking sponsorship.











WEDNESDAY, 29 NOVEMBER 2023

07:30 Registration

08:00 Resourcing Tomorrow Connect 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

Fiona Clouder, Director, ClouderVista, Senior Advisor, Appian Advisory

Keynote Address: What Does the US Inflation Reduction Act Mean for Critical Minerals and The Mining Industry?

Reserved For US Government

09:20 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

Rolf Kuby, Director General, Euromines

Christian Schaffalitzky, Executive Chairman, Eurasia Mining

Bernd Schäfer, Chief Executive Officer and Managing Director, EIT RawMaterials (Pending Final Confirmation)

Moderator: Ludivine Wouters, Managing Partner, Latitude Five

Keynote Panel: Ensuring the Responsible Sourcing and Secure Supply Of Critical Minerals Throughout The Entire Value Chain

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:

Senior Representative, Quebec Government

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

Brian Menell, Chairman & CEO, TechMet

Susannah Mclaren, Head of Responsible Sourcing and Sustainability, Cobalt Institute

Peter Zadora, ESG Director Acceleration, Umicore

Moderator:

10:20 Keynote Panel: How Can the Industry Shorten the Gap from Exploration To Production? Why Does the Lassonde 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

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

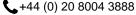
Kurt House, Co-Founder, KoBold Metals

Moderator: Michael Pickersgill, Partner, Torys LLP











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.

RESOURCING TOMORROW

Towards The Circular Economy; Recycling And Other **Practical Solutions**

11:00 Session Chair's Opening Remarks

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?
- · 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?

Chris McDonald, Chief Executive Officer, Materials Processing Institute



New Thinking In Al

- 10:30 Session Chair's Opening Remarks
- 10:40 **Keynote Address: Digital Transformation And Al-driven** Optimisation Across the Mining Supply Chain

Issues discussed included:

- 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, General Manager, Technology & Innovation, **Teck Resources**
- 11:10 Technology Spotlight: Conundrum Al
- 11:30 Technology Spotlight: Thermofisher
- 11:50 Technology Spotlight: Stratum Al Farzi Yusufali, Co-founder
- 12:10 Technology Spotlight



Quebec Mining Showcase

Québec ##

12:30 Quebec Mining Showcase (Hosted By the Government of Quebec)



Commodity Theses / Mining Spotlights

- 10:00 Session Chair's Opening Remarks
- 10:10 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, Portfolio Manager, Ruffer LLP Florian Grummes, Managing Director, Midas Touch Consulting Torsten Dennin, Chief Investment Officer, Asset Management Switzerland

Andrew Ballingal, Chief Investment Officer, Ballingal Investment Advisors

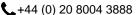
Moderator:

- 10:40 Mining Spotlight 28: Exploits Gold OTCQX: NFLDF, CSE: NFLD | Exploration | Gold | Canada
- 10:50 Mining Spotlight 29: Discovery Group
- 11:00 Mining Spotlight 30: Renforth Resources CSE: RFR | Exploration | Gold | Canada Nicole Brewster, President & Chief Executive Officer, Renforth Resources
- 11:10 Mining Spotlight 31: Minera Alamos TSXV:MAI | Development, Production | Gold | Mexico Doug Ramshaw, President, Minera Alamos











Luiz Eduardo Farias Villas Boas Chief Operating Officer, Brazil AECOM Moderator:

Keynote Panel Discussion: New Thinking In Recycling And 12:05 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 Technology Officer, Altilium Metals Moderator: Fiona Clouder, Director, ClouderVista, Senior Advisor, **Appian Advisory**

13:00 Lunch and Networking

11:20 Mining Spotlight 32: Quatro Metals

Private | Development | Gold | Ecuador

11:30 Mining Spotlight 33: Tesoro Gold

ASX:TSO, OTCQB:TSORF | Development, Exploration | Gold |

Geoff McNamara Non-Executive Director. Tesoro Gold

11:40 Mining Spotlight 34: Asiamet Resources

AIM: ARS | Production | Copper, Gold | Indonesia

11:50 Mining Spotlight 35: Thor Exploration

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

12:00 Mining Spotlight 36: Adriatic Metals

LSE: ADT1, ASX: ADT, OTCQX: ADMLF | Development | Zinc, Silver I Bosnia & Serbia Paul Cronin, Chief Executive Officer, Adriatic Metals

12.10 Mining Spotlight 37: iMetal Resources

TSXV: IMR | Exploration | Gold | Ontario, Canada Saf Dhillon, President & Chief Executive Officer, iMetal Resources

12:20 Mining Spotlight 38: Elementos

ASX: ELT | Exploration, Development | Tin | Spain, Australia

12:30 Mining Spotlight 39: First Tin

LSE: 1SN | Exploration, Development | Tin | Germany & Australia Thomas Buenger, Managing Director and Chief Executive Officer, First Tin

12:40 Mining Spotlight 40: Venture Minerals

ASX: VMS | Exploration, Development | Tin | Spain, Australia Andrew Radonjic, Managing Director, Venture Minerals

12:50 Mining Spotlight 41: Central Asia Metals

AIM: CAML | Production | Copper, Lead, Zinc | Kazakhstan, North

Nigel Robinson, Chief Executive Officer, Central Asia Metals

Mines and Money Pitch Battle Heat 3 - Base Metals

13:00 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.

Judaes:

Richard Shemesian, Chief Investment Officer, Bennelong Venture Capital







Mark Tyler, London Representative, Auramet Trading



Emcee: Alvaro Peralta, Chief Operating Officer, MininglR RESOURCING TOMORROW minesaremore **Electrification And Technologies For Decarbonisation Financing Trends In Mining Commodity Theses / Mining Spotlights** 14:00 Session Chair's Opening Remarks 14:00 Session Chair's Opening Remarks 13:50 Session Chair's Opening Remarks Panel Discussion: Where Are the Best Investment Case Study: How A Mining Company Adopted Electrification Technologies to Deliver a Safer Work Environment, Reduce Opportunities in The Battery Metals Space And What Are The 14:00 Mining Spotlight 42: Power Nickel Key ESG, Resource Estimation And Supply Chain **Energy Costs, Minimise Environmental Impacts And Enhance** TSXV: CRE, OTCQX: CRECF, FSE: F12 | Exploration | Nickel | Considerations? Productivity, Efficiency And Performance Terry Lynch, Chief Executive Officer, Power Nickel Issues discussed include: Kev takeaways include: · Are investors prepared to invest in battery minerals projects? • What were the energy consumption models required? 14:10 Mining Spotlight 43: NickelSearch What commodities are they looking at? What stage are they ASX: NIS | Exploration | Nickel | Australia What operational and infrastructure adaptations were required? investing in? How were change management and buy-in achieved? 14:20 Mining Spotlight 44: Emerita Resources • What are the resource estimation challenges? How can you be • What were the tangible and intangible end-benefits? FRA:LLJA, OTCQB:EMOTF, TSXV:EMO | Exploration | Copper, sure that the resource estimates are accurate? Gold, Silver, Zinc • How might battery composition change in the next few years and what investment opportunities does this create? Keynote Address: What Are Some of The Practical Challenges Of Using General AI In Mining Operations? 14:30 Mining Spotlight 45: Anglesey Mining - Cobalt Issues discussed include: LSE:AYM | Exploration | Copper, Gold, Lead, Silver, Zinc | Wales, - Copper • Ensuring you have the right quality of data and avoid 'garbage Sweden & Canada - Graphite in, garbage out' Jo Battershill, Managing Director, Chief Executive Officer, - Lithium and lithium-ion phosphate Integration and sustainability considerations **Anglesey Mining** - Nickel Dr Ali Soofastaei, Australia and Africa Analysis Manager. - Manganese Newmont 14:40 Mining Spotlight 46: Amex Exploration TSXV: AMX, FRA: MX0, OTCQX: AMXEF | Exploration | Gold, · What geopolitical dimensions need to be considered when it 14:50 Technology Spotlight: Copper | Quebec, Canada comes to supply chains? Kelly Malcolm, VP Exploration, Amex Exploration • Is the industry equipped to meet demand? Panel Discussion: Building A Successful Al Framework Within 15:00 Will Europe lag North America in battery metals due to lack of **Your Mine** 14:50 Mining Spotlight 47: ECR Minerals funding alone? AIM: ECR | Exploration, Development | Gold | Australia Issues discussed include: Andrew Haythorpe, Chief Executive Officer, ECR Minerals Panellists: · Laying the foundations of the AI strategy through Amanda van Dyke, Managing Director, ARCH Emerging Markets experimentation and investigation 15:00 Mining Spotlight 48: Canagold Resources · Determining what parts of your mining operation can either be TSXV: CCM | Exploration, Development | Gold | British Columbia, Jessie Chen, Director, Long State Investments fully automated or require minimal manual intervention Richard Shemesian, Chief Investment Officer, Bennelong Practical advice for building AI into your mining operation Catalin Kilofliski, Chief Executive Officer, Canagold Resources **Venture Capital** · Leveraging analytical tools to provide centralised decision-Moderator: Tania Eyanga, Chief Executive Officer, Central Africa making capabilities 15:10 Mining Spotlight 49: Abcourt Mines Markets Venture Capital & Private Equity Association TSXV: ABI | Development, Exploration | Gold | Canada 14:50 Panellists: Pascal Hamelin, President & Chief Executive Officer, Abcourt **Premium Mining Spotlight: Resolute Mining** Farzi Yusufali, Cofounder, Stratum Al Mines ASX: RSG | Production | Gold | West Africa Dr Ali Soofastaei, Australia and Africa Analysis Manager. Terry Holohan, Chief Executive Officer and Managing Director. Newmont 15:20 Mining Spotlight 50: Sonoro Gold **Resolute Mining** Moderator:









Keynote 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 Karim-Michel Nasr. Chief Executive Officer, La Mancha Daniel Porter, Portfolio Manager, Pure Asset Management Moderator:

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

15:30 Mining Spotlight 51: Vanstar Mining Resources TSXV: VSR | Exploration | Gold | Quebec, Canada J.C. St-Amour, President & Chief Executive Officer, Vanstar Mining Resources

15:40 Mining Spotlght 52:Tomagold TSX-V: LOT | Exploration | Gold | Canada David Grondin, President, TomaGold

15:50 Mining Spotlight 53: Desert Gold Ventures TSX-V: DAU| Exploration, Development | Gold | Mali Jared Scharf, President & Chief Executive Officer, Desert Gold Ventures

16:00 Mining Spotlight 54: Impact Minerals ASX: IPT | Exploration | Gold, Silver, Lead, Zinc, Copper, Nickel | Australia

RESOURCING TOMORROW

Community Centric Approaches To Mining

15:40 Chair's Opening Remarks

15:50 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:

Scott Sellwood, Policy Lead, Human Rights & Extractive Industries. Oxfam America Jeff Geipel, Managing Director, Mining Shared Value

Digitalisation And Connected Mines

15:30 Chair's Opening Remarks

Panel Discussion; Deploying Satellite Connectivity for A More 15:40 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 realtime 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

Senior Representative, SES

16:00 Case Study: Exxaro- The Expectation Vs the Reality of Innovation In Mining

minesaromone

Mines And Money Pitch Battle Heat 4 – Gold & Precious

16:10 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:

Patrick Chidley, Partner, 3ppb Claude Bejet, Private Investor and Newsletter Writer

Battlers:

Emcee:

Ellis Martin, Founder and CEO, Ellis Martin Report









Bill Cobb, Vice President and Chief Sustainability Officer, **Freeport McMoRan**

Jennifer Prospero, Senior Director, Sustainability, **Eldorado Gold** Moderator:

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?".

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.

Issues discussed include:

- 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?

Panellists:

Maryse Belanger, Chair, Interim President and Chief Executive Officer. IAMGold

Senior Representative **Barrick**Siri Genik, Principal & Founder, **BRIDGE**Moderator:

- 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

6:20 Panel Discussion: Reimagining Mining Exploration – How Can Technology Innovation Help Shorten the Timelines Between Exploration And Production?

Issues discussed include:

- How have the technology challenges of exploration discovery changed?
- What innovations are we seeing in the following areas:
- drones
- mapping
- photographic imagery
- What technology can be repurposed from other industries?
- Incremental change vs step change technologies?

Panellists:

Ben Young, Sales and Marketing Manager, **Xcalibur MPH South Africa and ME**

Moderator:











DAILY EVENT FEATURES



Dialoque Table: Innovation That Supports Exploration And New Discoveries

13:30, NOV 29 | EXHIBITION SHOW FLOOR

Dialogue Table is where we focus in-depth on a key industry topic in a roundtable setting. The discussion is interactive and informal, enabling you to come away with practical, ready-to-implement takeaways

Dialogue Table: Innovation That Supports Exploration And New Discoveries

What technology will drive mining exploration in the next 5 years? Big data and AI? Remote sensing? Autonomous systems for exploration?





Delegate Networking Reception

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 Resourcing Tomorrow Connect 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

Session Chair's Opening Remarks

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?

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

Alison Atkinson, Group Director - Projects & Development, Anglo American (Pending Final Confirmation)

Adam Matthews, Chief Responsible Investment Officer, Church of England Pensions Board, Chair Transition Pathway Initiative (TPI) (TBC)

Roy Harvey, Chief Executive Officer, Alcoa

Elaine Dorward-King, Non-Executive Director, Sibanye Stillwater at Kenmare Resources and NovaGold Moderator:

Keynote Mining Address: Collaboration and Trust Matt Daley, Group Technical Director, Anglo American



10:10 Keynote Panel: The Mining Industry Talks About Collaborating, But Is It Doing Collaboration Well?

Issues discussed include:

- Does the mining industry collaborate and partner enough?
- What can be learnt from other industries? What lessons can be learnt from academia?
- How effectively is mining partnership and collaboration being promoted at the government and intergovernment level?
- Reviewing examples of successful industry collaboration in practice

Greg Brouwer, General Manager, Technology & Innovation, Teck Resources Carl Weatherell, Executive Director and Chief Executive Officer, CMIC Moderator:

10:40 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

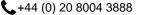
Morgan Carroll, EVP Corporate Finance, General Counsel, Endeavour Mining Caroline Donally, Managing Partner, Sprott Streaming Michael Amm. Partner. Torvs LLP TMX

Moderator:











Next Generation Leaders Forum CRIPPS	EARS	Green Steel And Hydrogen	Commodity Theses / Mining Spotlights
Our Next Gen Leader programme in 2022 attracted over 100 students and graduates to the event. We targeted not universitie offering mining degrees (Imperial, Camborne, Dundee) but tange degrees (geology, business, engineering, health and safety) fror likes of Oxford, Bristol, Leicester, East Anglia, Southampton, St. Andrews and Birkbeck College. Our mission at Resourcing Tomorrow is to show how mining is a 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 me Employers on the Exhibition Floor Session Chair's Opening Remarks and Industry Survey Find Rowan Phendler Director - Natural Resources, Cripps Leadership Advisers Keynote Panel: What Does the Mining Industry Need to Dot Ensure It Has A Workforce In 20 Years' Time? Some reports predict that as much as 50% of the mining workfor will be retired by 2029. Where will the future supply of talent comfrom? 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 Rohitesh Dhawan, President and Chief Executive Officer, International Council of Mining and Minerals, ICMM (pending fit confirmation) Moderator: Rowan Phendler Director - Natural Resources, Cripps Leadership Advisers	ntial the ests	11:10 Session Chair's Opening Remarks 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 Jose Noldin, Chief Executive Officer, GravitHy Moderator: 12:10 Energy: Spotlight: ADX Energy ASX: ADX Exploration & Production Oil, Gas, Hydrogen Austria, Romania, Italy 12:20 Panel Discussion: Applications of Hydrogen at The Mine Site Hydrogen is forming part of many miner's decarbonisation pathways, either as carbon-free fuel to displace diesel in heavy equipment, such as haul trucks and trains, or to generate electricity to power processing plant, with testing already underway and the potential for it to be used more widely by 2023. Issues discussed include: • Using hydrogen to enhance electrolyser performance • Harnessing hydrogen for energy storage	 10:30 Session Chair's Opening Remarks 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 for 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? 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 Moderator: 11:10 Mining Spotlight 55: Central Copper Resources Ticker: Private Exploration Copper Democratic Republic of the Congo, Zambia 11:20 Mining Spotlight 56: Royal Road Minerals TSXV:RYR Development, Exploration Copper, Gold Colombia Timothy Coughlin, CEO, Royal Road Minerals







Minerals And Mining

12:30 Keynote Panel: How Can Academia Respond To The Challenge Of Encouraging More Students To Pursue A Career In Mining

Madeline Young, Senior Lecturer, Module Leader, University of Northampton Rachel Stonehouse, Head of Policy, Institute Of Materials,

· Biomass and bio waste to hydrogen technology

• Renewable energy sources such as wind and solar power as a building block for the realisation of a green hydrogen economy

- Hydrogen's use in the growing carbon capture and storage (CCS) deployment industry
- 11:30 Mining Spotlight 57: Hammer Metals ASX:HMX | Exploration | Copper, Gold | Australia

11:40 Mining Spotlight 58: PlatineX

FRANKFURT: 9PX, CSE: PTX | Exploration | Gold, Copper | Ontario, Canada Greg Ferron, Chief Executive Officer, Platinex

11:50 Mining Spotlight 59: Goldplay Mining

TSXV: AUC.V | Exploration | Gold, Copper | Portugal, British Columbia, Canada Chris Osterman, Chief Executive Officer, Goldplay Mining

12:00 Mining Spotlight 60: Tempest Minerals

ASX: TEM | Exploration | Copper, Gold, Lithium, Iron Ore | Western Australia Don Smith, Managing Director, Tempest Minerals

12:10 Mining Spotlight 61: Pan Global Resources TSXV: PGZ | Exploration | Copper, Tin | Spain

Tim Moody, President & Chief Executive Officer, Pan Global Resources

12:20 Mining Spotlight 62: CMC Metals

TSXV: CMB | Exploration | Alumina, Zinc, Tin, Nickel, Lead, Copper

Kevin Brewer, Chief Executive Officer, CMC Metals

12:30 Mining Spotlight 63: Lithium Chile TSXV: LITH, OTCQB: LTMCF | Exploration | Lithium | Chile Michelle DeCecco, Vice President, Lithium Chile

12:40 Mining Spotlight 64: International Graphite ASX: IG6 | Development | Graphite | Australia Andrew Worland, Director, International Graphite

12:50 Mining Spotlight 65: Lithium Ionic TSX: LTH.V, OTCQB: LTHCF | Exploration | Lithium | Brazil Blake Hylands, CEO of Lithium Ionic

13:00 Lunch And Networking

How Is Geopolitics Impacting Mining Supply Chains

14:00 Session Chair's Opening Remarks

14:10 Keynote Panel: What Is the Role Of China's Mining Industry In **Helping Resource Tomorrow?**



Global Mining Guidelines Group Workshop

mines and money a resourcing tomorrow

Commodity Theses / Mining Spotlights

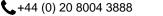
13:00 Session Chair's Opening Remarks

13:10 Commodity Insight: What's Different This Time About the Interest In Rare Earths Vs The Previous Boom?











Issues discussed include:

- Where and how are Chinese companies making strategic investments and partnerships?
- How are the Chinese building mineral supply chains?

Panellists:

George Fang, Executive Vice Chairman, Zhejiang Huayou Cobalt Peter Arkell, Chairman, Global Mining Association of China Moderator:

14:50 Keynote Panel: Are We in A Long-Term Commodity Super Cycle as Commodity Competition Increases?

Issues discussed include:

- What does deglobalisation mean for the mining industry, and how can the risk be managed/mitigated?
- How have the panellists changed their investment policies because of the Ukraine-Russia conflict?
- 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?

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

Moderator:

ADDITIONAL INFORMATION COMING SOON

Issues discussed include:

- · 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?

Panellists:

Christopher Ecclestone, Principal and Mining Strategist, Hallgarten & Company

Richard Crookes, Managing Partner, Lionhead Resources Moderator:

13:40 Mining Spotlight 66: Defense Metals

TSX:V / DFMTF:OTCQB / FSE: 35D Rare Earth Elements | Exploration | Canada

13:50 Mining Spotlight 67: Hastings Technology Metals

ASX: HAS | Exploration | Rare Earths Metals | Western Australia

14:00 Mining Spotlight 68: Fathom Nickel

CSE: FNI | OTCQB: FNICF | FSE: 6Q5 Exploration | Nickel | Canada Doug Porter, President, **Fathom Nickel**

14:10 Mining Spotlight 69: Pharex Mineração

Exploration | Brazil

14:20 Mining Spotlight 70: Xanadu Mines

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

14:30 Mining Spotlight 71: Avenira

ASX: AEV | Exploration, Development | Gold, Phosphate | Australia

14:40 Mining Spotlight 72: Image Resources

ASX: IMA | Production, Exploration, Development | Mineral Sands | Australia | Patrick Mutz, Managing Director, Image Resources

14:50 Mining Spotlight 73: GoviEx Uranium

TSXV: GXU | Exploration, Development | Uranium | Niger, Zambia, Mali

Daniel Major, Chief Executive Officer, GoviEx Uranium

15:00 Mining Spotlight 74: Geophysx Jamaica

Ticker: Private | Exploration | Copper, Gold, Silver | Jamaica Bobby Stewart, Director, **Geophysx Jamaica**

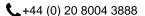
15:10 Mining Spotlight 75: AT Group

Exploration | Gold, Copper, Lead, Silver, Zinc | Armenia

15:20 Mining Spotlight 76: Asante Gold









CSE: ASE, OTC: ASGOF, FSE: 1A9 | Exploration, Development, Production | Gold | Chana, Canada Dave Anthony, President and Chief Executive Officer, Asante Gold 15:30 Mining Spotlight 77: Galan Lithium ASX: GLN | Exploration, Development | Lithium | Argentina & Australia 15:40 Mining Spotlight 78: Panoro Minerals TSXV: PM, OTCQB: POROF | Exploration | Copper | Canada Luguman Shaheen, Chief Executive Officer, Panoro Minerals 15:50 Mining Spotlight 79: Firering Strategic | Development | Lithium, Coltan-Tantalum-Niobium | Côte d'Ivoire RESOURCING TOMORROW Mines And Money/ Resourcing Tomorrow Celebrates 20 Years 15:30 Closing Keynote Panel: Reflections on The Last 20 Years And Predictions For The Next 20 Years - Where Will The Mining Industry Be In 2043? **ADDITIONAL INFORMATION COMING SOON** Panellists: Moderator: 16:10 Mines And Money 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 Daniel Porter, Portfolio Manager, Pure Asset Management Battlers: Emcee:

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DAILY EVENT FEATURES



Dialogue Table: DEI: Walking The Talk

13:00, NOV 30 | EXHIBITION SHOW FLOOR

Dialogue Tables are where we focus in-depth on a key industry topic in a roundtable setting. The discussion is interactive and informal, enabling you to come away with practical, ready-to-implement takeaways

Dialogue Table: DEI: Walking the Talk

What does diversity, equity and inclusive mean in terms of policy and actions at an organisation? What are the pitfalls to avoid? And what are the criteria for success?





Speed Connect:
Graduates Meet Employers

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.





Resourcing Tomorrow Outstanding Achievement
Awards and Gala Dinner

19:00, NOV 30

Guest Speaker: Randy Smallwood, Chief Executive Officer, Wheaton Precious Metals

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 Elaine Hattingh, Manager: Innovation, Exxaro Resources Roby Stancel, Board Member, Investment Advisor (VC, PE), Partner in Consultancy, Angel Investor, Innovation Architects

Matthew Geiger, Managing Partner, MJG Capital Management Dr Ali Soofastaei, Australia and Africa Analysis Manager, Newmont Elaine Dorward-King, Non-Executive Director, Sibanye Stillwater, Kenmare Resources and NovaGold

David Walker, Technical Director, Global Sector Leader - Mining and Metals, SLR Consulting

Caroline Donally, Managing Partner, Sprott Streaming Carl Weatherell, Executive Director, and Chief Executive Officer, CMIC





