US & UK SIGN ATLANTIC DECLARATION

CMA & UK GOVERNMENT ATTEND EITI 2023 GLOBAL CONFERENCE

CRITICAL MINERAL EVENT AT BRAZILIAN EMBASSY IN LONDON
Welcome to our June CMA monthly newsletter featuring updates on the critical minerals space. Read on for:

- US & UK Announce Atlantic Declaration
- New Member Materials Nexus Joins CMA
- New Member Seloxium Joins CMA
- Legacy of Mining Leaves Critical Skills Gap
- CMA Founder Jeff Townsend on Channel 4 News
- Critical Mineral Opportunities Event at Brazilian Embassy of London
- Register for the SEG 2023 Conference
- ESG Across the Mining Industry Workshop at SEG 2023
- Imerys and British Lithium Announce Joint Venture
- CMA & UK Government Attend the 2023 EITI Global Conference
- CMA UK at the 2023 WOAML Conference
- Cornish Lithium Announces Significant Progress
- Mining4Beer Social at Canada Day Festivities in London
- Aberdeen Minerals Completes Maiden Drilling Programme
- CMA Founder Kirsty Benham Attends E-Waste Conference & Expo 2023

From Kirsty, Jeff, Olimpia, Eileen & Sam

This month’s newsletter has been put together by Eileen Maes.

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Would you like to feature in a future edition? Contact Eileen at eileen@criticalmineral.org
On 8 June, UK Prime Minister Rishi Sunak and US President Joe Biden announced the 'Atlantic Declaration', an unprecedented economic partnership that aims to tackle some of the biggest economic challenges of our time.

The Declaration will see the UK and US partnering to reduce vulnerabilities across critical technology supply chains by dramatically boosting information exchange, research collaboration, and bilateral channels of consultation and coordination.

Negotiations for a joint US-UK Critical Minerals Agreement are also imminent. President Biden announced his intent to ask US Congress to designate the UK as a ‘domestic source’-- meaning that British companies would become eligible for US Government investment under the Inflation Reduction Act.

READ ON HERE
We are delighted to welcome our newest member to the Association, Materials Nexus.

Materials Nexus is transforming the world of materials R&D by discovering new green materials with reduced CO2 emissions, improved performance leading to enhanced supply-chain responsibility.

Better materials are needed for a net-zero world, but it typically takes around 20 years to develop a new material for commercialisation. Materials Nexus believes the solution is to combine the insights of quantum mechanics with the power of artificial intelligence to predict the properties of new materials. This will make designing materials much more effective, considering sustainability and carbon emissions from the start.

Learn about Materials Nexus and their pioneering work.

READ ON HERE
We are delighted to welcome our latest member Seloxium to the Association!

Seloxium is a University of Oxford spin-out company that focuses on selectively mining valuable metals from wastewater.

The company has developed a patented 'selective flocculation' technology called Selectal™, that can selectively extract valuable metals from wastewater and purify aqueous metal streams by removing any impurities.

Seloxium provides solutions to its customers on how to adhere to regulations and achieve their ESG goals by obtaining high-purity metals from their waste and/or process streams in a simple and highly profitable manner.

MORE ABOUT SELOXIUM HERE
Yusuf Khan's new article for the Wall Street Journal illuminates how the legacy and reputation of mining has created critical skills gaps for the energy transition.

The mining industry currently suffers from an aging workforce, with not enough talent entering the pipeline.

The centrepiece of the article is Lily Dickson, an Economic Geology PhD Candidate at the University of Leeds who supports the Critical Mineral Association's work, and has helped to put together CMA's monthly newsletters.

“As soon as you realise mining is essential, the most important thing is to get involved,” says Dickson. “It’s exciting — working on things like a European source of cobalt, that’s something which could actually be beneficial to society.”

READ ON HERE
“Critical minerals are the building blocks that we need to build this green future that we all want. And we cannot accept irresponsibility today, to build a better tomorrow.”

On 4 June, co-founder of the Critical Minerals Association, Jeff Townsend, appeared on Channel 4 News to talk about the mining industry and the UK’s supply of critical minerals.

He was interviewed by presenter Krishnan Guru-Murthy, and the two discussed indigenous rights, the importance of ESG standards in finance, and how the industry is and must continue ‘using and pushing’ responsible mining methods in the race to net zero.

WATCH THE INTERVIEW HERE
On 15 June, the Mining Infrastructure Committee of the Brazilian Chamber of Commerce hosted an event at the Embassy of Brazil on opportunities in critical minerals for international investors and companies in Brazil.

The event was an excellent opportunity to learn more about sustainable mining projects in Brazil, how international companies can participate in these critical mineral projects, and further UK-Brazil critical minerals collaboration.

Speakers included Jonathan Dunn, Head of International Policy and UK Government Relations at Anglo-American; Jeremy Martin, CEO of Horizonte Minerals; Paul Lusty, the Director of the UK Critical Minerals Intelligence Centre; Alexandre Aroeira Salles and Mariana Miraglia, Partners at Aroeira Salles Advogados; and CMA UK co-founder Jeff Townsend.

LEARN MORE HERE
The *SEG 2023 Conference: Resourcing, the Green Transition* will address the major challenges presented by the accelerated consumption of strategic minerals and metals for the energy transition.

The context will be global, with a spotlight on the European dimension in terms of metallogenic domains, past and future exploration, and mining potential. Speakers will present papers on the wider ESG considerations of responsibly utilising the planet's resources.

Networking opportunities are also a key feature of the conference, with programs designed specifically for students and early career professionals to connect with industry leaders.

Use the CMA's exclusive discount code SEG2023CMA and join us at the Hilton London Metropole from August 26 to 29 for 3 days of excellent discussion and networking.

**REGISTER HERE**
In preparation for the SEG 2023 Conference, Dr Sarah Gordon and Dr Rose Clarke from Responsible Raw Materials will be running a pre-conference workshop on Environmental, Social & Governance (ESG) Across the Mining Industry.

This interactive workshop will examine where improvements have, can, and should be made to ensure ESG is thoroughly addressed throughout the mining value chain. Dr Gordon and Dr Clarke will also discuss the roles and responsibilities of geoscientists, mining companies, professional bodies, non-governmental organisations, investors, procurement specialists, and society.

The workshop will take place from 9am to 5pm at the Hilton London Metropole on August 26. 20% of spaces are reserved for students and offered at a discounted rate!
On June 29 French miner Imerys announced a joint venture with British Lithium to create the UK’s first integrated producer of battery-grade lithium carbonate.

The venture will help develop the UK’s largest-known lithium deposit and curb the nation's dependence on imports for battery materials.

The partnership will benefit from Imerys’ existing mining footprint in Cornwall, its experienced personnel and infrastructure, and British Lithium’s bespoke technology and state-of-the-art pilot plant.

UK Secretary of State for Business, Energy & Industrial Strategy, Kemi Badenoch, said “this joint venture between Imerys and British Lithium will strengthen our domestic supply of critical minerals, which is vitally important as we seek to grow the UK’s advanced manufacturing industry.”

READ ON HERE
On 13-14 June, thousands of stakeholders convened in the city of Dakar for the Extractive Industry's Transparency Initiative's (EITI) flagship Global Conference. Hosted by the Government of Senegal, the event marked the EITI's 20th anniversary and the release of their updated Standard.

The conference celebrated achievements in natural resource transparency and multi-stakeholder dialogue, while also looking to the future to consider how the EITI should adapt to a changing energy landscape. There was much emphasis by developing nations for the energy transition to be considerate of differentiating economic capabilities-- and thus, differentiating responsibilities.

A UK delegation, including Lord Callanan and CMA co-founder Kirsty Benham, attended the event. The UK was one of only 4 European countries to be represented at the conference. CMA UK hopes to see the UK continue to engage with EITI and promote the importance of transparency.

READ ON HERE
From 31 May to 2 June, mining lawyers from around the world gathered at the beautiful Grand Hotel Schloss Bensberg in Germany for the 2023 World Association of Mining Lawyers (WOAML) Conference.

Speakers discussed a wide range of topics, from the impacts of COVID-19 to the potential of mining in space. The opening speech by Rafael Vergara (Partner & Co-head of the Natural Resources & Environment Group at Carey), emphasised the important role of mining lawyers to the energy transition.

CMA UK's Sam Howard was delighted to attend the event alongside our members, global law firm Mayer Brown and leading mining consultancy SRK Consulting. Ian Coles, Head of Mayer Brown's Africa and Mining practices & Co-Head of Global Projects, spoke on a panel about mining finance in emerging economies.

**READ ON HERE**
CORNISH LITHIUM ANNOUNCES SIGNIFICANT PROGRESS

Cornish Lithium has announced significant progress towards the commercialisation of its Lithium in Geothermal Waters projects, as well as development at its Trelavour Hard Rock Project.

Its exploration borehole at Twelveheads has now successfully drilled to a depth of around 2,000 meters, and a fourth geothermal exploration borehole is being drilled at its Blackwater site.

At its Trevalour hard rock Project, significant development work has been undertaken including the renovation of the TreLith processing site in preparation for the Demonstration Plant.

The company has also appointed an Advisory Board to provide insight and perspective to support its development. The Board boasts valuable experience in the world of ESG, public relations and finance, as well as strong connections to the county of Cornwall.

READ ON HERE
MINING4BEER
SOCIAL AT CANADA DAY FESTIVAL

Mining4Beer started at out in Toronto as an after-work social for a handful of people in the mining industry, but has since expanded its celebrations worldwide.

On 29 June, people congregated at the Canada Day Festival celebrations in Trafalgar Square for an evening of music, food and drink. Mining4Beer sponsored the festivities, and hosted a stall with free beer welcoming those from the mining industry.

As one of the event's sponsors, Mining4Beer was interviewed live and featured on the big screen at Trafalgar Square. CMA UK was delighted to attend and see so many others join in to promote and represent the UK mining industry.

LEARN ABOUT MINING4BEER HERE
ABERDEEN MINERALS Completes Maiden Drilling Programme

Aberdeen Minerals Limited has announced the completion of the first phase of their drilling and assaying programme at the Arthrath Project in Aberdeenshire.

The Arthrath Project explores for deposits of nickel, copper, and cobalt. These three metals are critical minerals essential to achieving the energy transition in Scotland and the UK, but all of which are currently wholly imported from overseas.

Highlights of the maiden drilling programme include the discovery of high-grade mineralisation and the confirmation of airborne geophysics as a leading vectoring tool.

READ ON HERE
On 28-29 June, the E-Waste World Conference & Expo 2023 (WEEE) took place in Frankfurt, Germany. Stakeholders from across the electronics recycling supply chain gathered to discuss and discover the latest innovations and solutions to create a circular economy.

The conference was attended by co-founder of the CMA Kirsty Benham, who presented on UK-EU collaborations, as well as dozens of recycling companies, critical raw material suppliers, electronics manufacturers and suppliers, ITAD companies, and more. Jordan Lindsay, from CMA member Minviro also took part and moderated a panel discussion.

The agenda covered a broad range of topics, from collection to design, sorting solutions to urban mining.

LEARN MORE HERE
The following June news articles from Argus Media, Mining Weekly, Mining Magazine, Financial Times, and others, provide an overview of critical mineral mining for:

- Cobalt
- Copper
- Graphite
- Lithium
- Nickel
- Manganese
- Rare Earth Elements
- Tin
- Tungsten
- Vanadium

The Critical Minerals Association takes no credit for any articles and makes no endorsement of any of the content.
Cobalt

• Asia
  ○ China [03.07.23]
    ▪ China set to boost state cobalt reserves by 5k tonnes after tumble in prices.
    ▪ Read the article here.

• Africa
  ○ DRC: Gécamines [27.06.23]
    ▪ Head of state mining company Gécamines says the DRC has missed its opportunity to leverage its dominance in the global cobalt market.
    ▪ Read the article here.

• Europe
  ○ Stellantis [30.06.23]
    ▪ Stellantis buys 20% sharehold of Kuniko and signs offtake agreement for the supply of battery grade nickel and cobalt sulphate.
    ▪ Read the article here.

• North America
  ○ Canada: Cobalt Blue Holdings Ltd. [27.06.23]
    ▪ Test-work agreement with Hudbay Minerals Inc. will see COB’s proprietary minerals processing technology used for Hudbay’s Flin Flon tailings storage facility in Manitoba.
    ▪ Read the article here.
Copper

- Asia
  - China: ING [03.07.23]
    - ING files Hong Kong lawsuit against legendary Chinese copper trader He Jinbi over $147M debt.
    - Read the article here.

- Africa
  - Zambia: Sandfire Resources [02.07.23]
    - Zambia's Finance and Planning Minister to pick investor in Mopani Copper Mines this month from a shortlist of 4 companies.
    - Read the article here.

- Europe
  - Sweden: Boliden [03.07.23]
    - Production partially resumes at Rönnskär copper smelter in Skelleftehamn following a fire at the facility, with production expected to fully resume later this month.
    - Read the article here.

- North America
  - USA: PolyMet Mining [03.07.23]
    - Glencore proposes to buy remaining stake in copper miner Polymet Mining, which it already owns 82% of.
    - Read the article here.
Graphite

• Africa
  ○ Namibia: Gratomic Inc. [30.06.23]
    ▪ Gratomic initiates commercial commissioning at Aukam graphite mine, preparing 100 tonnes of product for customers.
    ▪ Read the article here.
  ○ Malawi: Sovereign Metals Limited [08.06.23]
    ▪ Sovereign Metals reports "superior" outcomes from downstream testing on graphite from its Kasiya Project.
    ▪ Read the article here.

• Europe
  ○ Norway: Mineral Commodities [03.07.23]
    ▪ After positive resolution to a legal dispute, Mineral Commodities finalises ownership of Skaland graphite project, solidifying its battery anode business.
    ▪ Read the article here.

• North America
  ○ Canada: Lomiko Metals [25.05.23]
    ▪ Graphite tonnage gains spur Lomiko Metals along pre-feasibility pathway.
    ▪ Read the article here.

• Oceania
  ○ Australia: iTech Minerals [04.07.23]
    ▪ Australian Government approves $1.1M in R&D funding for process to produce battery anode material from Sugarloaf graphite.
    ▪ Read the article here.
Lithium

• Africa
  ○ Zimbabwe: Red Rock Resources [03.07.23]
    ▪ Certificate of Registration submitted to expand lithium license to an additional 94 hectares near Bikita.
    ▪ Read the article here.

• North America
  ○ USA: Aslym Energy [15.06.23]
    ▪ Massachusetts startup aims to halve the cost of EV batteries with new design that eliminates lithium and cobalt.
    ▪ Read the article here.

  ○ Canada: Bearing Lithium Corp. [22.06.23]
    ▪ Bearing announces consolidation with Australian company Lithium Power International Limited, its joint venture partner in the Maricunga Lithium Brine Project in Chile.
    ▪ Read the article here.

• South America
  ○ Chile: BYD Co. [03.07.23]
    ▪ Chinese EV producer BYD deploys engineering team to $290M lithium processing project in Chile.
    ▪ Read the article here.

  ○ Argentina: Y-TEC [02.07.23]
    ▪ Argentina’s first plant for lithium batteries to commence operations in September, using metal extracted locally by US company Livent Corp.
    ▪ Read the article here.
Manganese

• Asia
  ○ India: MOIL [29.06.23]
    ▪ Mining company reports record production of 402k tonnes of manganese ore in the fourth quarter of FY23, representing a growth of 7%.
    ▪ Read the article here.

• North America
  ○ Canada: Manganese X Energy Corp [06.06.23]
    ▪ Significant progress at Battery Hill manganese deposit towards prefeasibility stage.
    ▪ Read the article here.

  ○ Canada: Tacora Resources [27.06.23]
    ▪ $1.25M in federal funding earmarked to help iron ore company process manganese from tailings with manganese sulfate purification plant.
    ▪ Read the article here.

• Oceania
  ○ Australia: Element 25 Ltd. [26.06.23]
    ▪ Element 25 to supply manganese sulphate to General Motors as automaker looks to secure battery minerals for North American EV production.
    ▪ Read the article here.
Nickel

• Asia
  ○ Korea: LG Chem [30.06.23]
    ▪ LG Chem to commence first-ever mass production of single-crystal high-nickel cathodes for next-generation batteries in Cheongju, with product to be supplied to global clients in July.
    ▪ [Read the article here.]

• Oceania
  ○ Australia: Poseidon Nickel [04.07.23]
    ▪ Exciting assay results announced from latest drill program at Lake Johnston site, identifying 7 zones of anomalous nickel.
    ▪ [Read the article here.]

  ○ Australia: St George Mining Ltd [02.07.23]
    ▪ Maiden drilling program of nickel-copper sulphide targets commences at the Ajana Project; 17 drill holes planned across Northampton Mineral Field.
    ▪ [Read the article here.]
Rare Earth Elements

- **Africa**
  - South Africa: Rainbow Rare Earths [28.06.23]
    - Rainbow Rare Earths signs agreement with Bosveld Phosphates that would give it full ownership of the Phalaborwa rare earths project in South Africa.
    - [Read the article here.](#)

- **Europe**
  - United Kingdom [31.05.23]
    - Pennsylvania State University discovers bacterium from English oak trees could help process and separate rare earth elements.
    - [Read the article here.](#)

- **Oceania**
  - Australia: MetalsGrove Mining Ltd. [03.07.23]
    - Exploration company wraps up first reverse circulation drilling program at the Bruce Rare Earth Element Prospect in Northern Territory.
    - [Read the article here.](#)
Tin

- **Africa**
  - Namibia: Andrada Mining [03.07.23]
    - Mining company reports record level of tin-in-concentrate production at Uis mine.
    - [Read the article here.](#)

- **Europe**
  - United Kingdom: Cornish Metals Inc [04.07.23]
    - Cornish Metals identifies further high-grade tin mineralisation that "serves to confirm and add further confidence to the mineral resource estimate" for its flagship South Crofty Project in Cornwall.
    - [Read the article here.](#)

Tungsten

- **Europe**
  - United Kingdom: Tungsten West [02.06.23]
    - Tungsten West revives production of its Hemerdon tungsten and tin mine site in Devon following a cost cutting restructure.
    - [Read the article here.](#)

- **Oceania**
  - Australia: Group 6 Metals [04.07.23]
    - Group 6 Metals begins commercial production at its Dolphin Tungsten mine in Tasmania.
    - [Read the article here.](#)
Vanadium

• North America
  ○ Canada: Phenom Resoures Corp [31.05.23]
    ▪ Phenom Resources signs MoU to gain 5% equity interest in private Japanese battery company.
    ▪ [Read the article here.]

• Oceania
  ○ Australia: QEM [03.07.23]
    ▪ Aspiring vanadium miner QEM short lists 3 energy giants for its 1GW of wind and solar to power its proposed Julia Creek vanadium project.
    ▪ [Read the article here.]

  ○ Australia: Australian Vanadium (AVL) [31.05.23]
    ▪ AVL enters A$49 million Commonwealth grant agreement with Australian Government to advance vanadium project in Western Australia.
    ▪ [Read the article here.]
AUGUST

• Society of Economic Geologists: **SEG 2023 Conference: Resourcing the Green Transition** | London, UK | 26-29 August 2023
  ○ [Register here](#)

SEPTEMBER

• Cornish Lithium and ABMEC: **The UK Mining Conference In Cornwall** | Falmouth, UK | 13-14 September 2023
  ○ [Register here](#)

• Mining Innovation Network | **Digitisation in Mining Europe** | Stockholm, Sweden | 29-30 August 2023
  ○ [Register here](#)

NOVEMBER

• CMA & GSBF | **3rd Annual Critical Minerals Conference** | UK Parliament, Burlington House | 27 November 2023

• CMA & Beacon Events: **Mines and Money Resourcing Tomorrow** | London, UK | 28-30 November 2023
  ○ [Register here](#)

Interested in speaking and / or attending?

Contact our events team for more information at events@criticalmineral.org