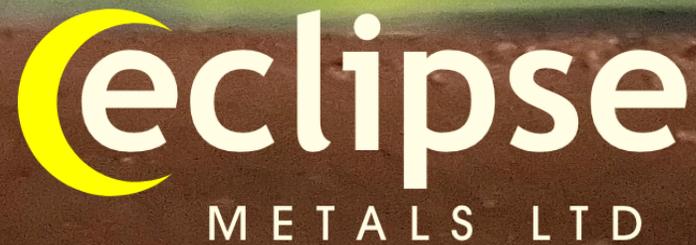


IVITTUUT or (IVIGTÛT)

RARE EARTH ELEMENTS GREENLAND

The logo for Eclipse Metals Ltd features a yellow crescent moon icon to the left of the word "eclipse" in a white, lowercase, sans-serif font. Below "eclipse" is the text "METALS LTD" in a smaller, white, uppercase, sans-serif font.

eclipse
METALS LTD

INVESTOR PRESENTATION - MARCH 2024



CORPORATE SUMMARY



Corporate Snapshot

ASX Code	EPM
FSE Code	9EU
Shares on issue	~2,209m
Current Share Price (as of 15 March 2024)	A\$0.006
Market Capitalisation	~\$13.2m
Cash (as of 31 Dec 2023)	\$1.3m

Board & Management

Carl Popal	Executive Chairman
Rodney Dale	Non-Executive Director
Ibrar Idrees	Non-Executive Director
Sebastian Andre	Company Secretary

For over a decade we have focused on the asymmetry that exists in understanding the importance of critical minerals versus the challenges in developing viable critical mineral projects globally.

Greenland REE Focus (Ivigût Project EPM 100%): Eclipse Metals Ltd. is an Australian publicly dual-listed company (EPM:ASX) and (9EU:FSE), primarily focused on unlocking the potential of rare earth mineralisation in south-western Greenland.

Diversified Asset Base includes two Uranium Projects (EPM 100%) in the NT: Complementing this focus, our impressive and diversified portfolio covers assets in Greenland, the Northern Territory, and Queensland, encompassing strategic prospects for minerals such as uranium, cryolite, fluorite, iron, zinc, high-purity quartz, manganese, gold, palladium, vanadium, and base metals.

Diversified Drill Ready Projects: With multiple projects at different stages of exploration targeting a range of minerals, Eclipse is well-positioned to progress despite commodity price volatility.

Technical Team: Exploration of the Company tenements is the primary focus for our highly regarded technical team, and Eclipse is alert to opportunities to acquire additional prospective projects that complement existing assets.

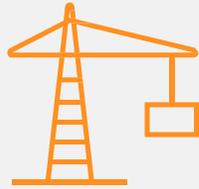
Aligned Board: Eclipse boasts a Board with experience, talent, and integrity, whose interests are well-aligned with those of its shareholders. Individual Board members are shareholders of the Company they govern.

INVESTMENT HIGHLIGHTS

REE IN GREENLAND AND URANIUM IN THE NT



World Class potential for **rare earths, base metals, industrial minerals, and quartz** -at our Ivigtût Project in Greenland. Drill ready **Uranium projects in the NT**



Projects held are **close to infrastructure** - port, roads, power, accommodation-**in tier one jurisdictions** of Greenland and Australia



Portfolio of **World Scale Critical Metal Projects** to support Energy Transition and focus on **ESG** compliant developments



Pipeline of high impact **exploration and development activities** planned across the portfolio in 2024



Our projects have been identified for their large resource potential and **high return on investment potential** in key critical minerals



EPM has focused on **developing very strong relationships** with Governments and other stakeholders in our regions of operation



Experienced Board and Management with proven track record of success in commodities and regions we target

GREENLAND

PROSPECTIVE FOR RARE MINERALS WITH ESTABLISHED MINING INFRASTRUCTURE

Attractive mining environment in Greenland:

- Greenland hosts **up to a quarter** of the world's rare earth mineralisation¹
- Comparatively **low sovereign risk**, in a European territory
- Favorable mining regulations and tax structure - **26.5% corporate tax rate**²
- **Established mining operations** and infrastructure:
 - Ivigtût – 120-year cryolite mining history
 - Greenland Ruby – mining rubies and sapphires
 - Greenland Anorthosite Mining – anorthosite project in development
- Knowledge of Greenland's REE resources has taken a giant leap forward in recent years

Eclipse's Greenland Ivigtût Project



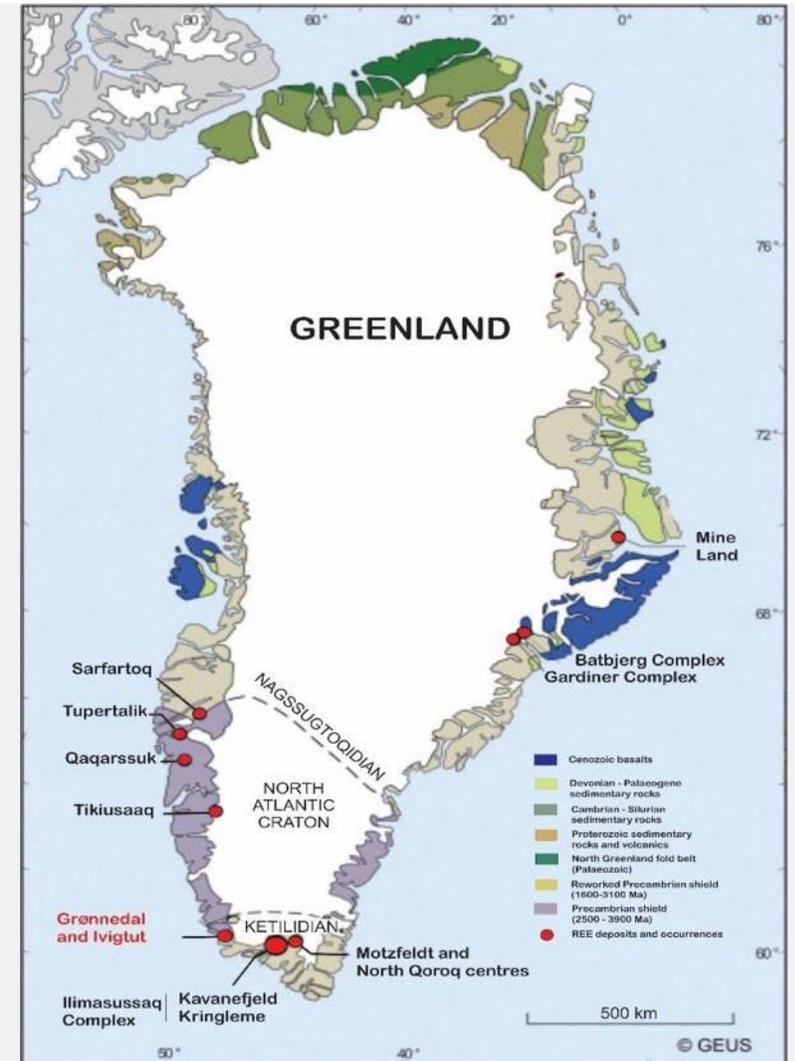
Near-term production potential at Ivigtût mine – process waste material to create concentrates containing silver, zinc, gallium, copper, lead, REE & gold



Ivigtût Project (including Grønnedal) **potential to be a large, highly profitable** critical mineral mining operation



Ivigtût Project is **close to infrastructure** – port, roads, power, accommodation

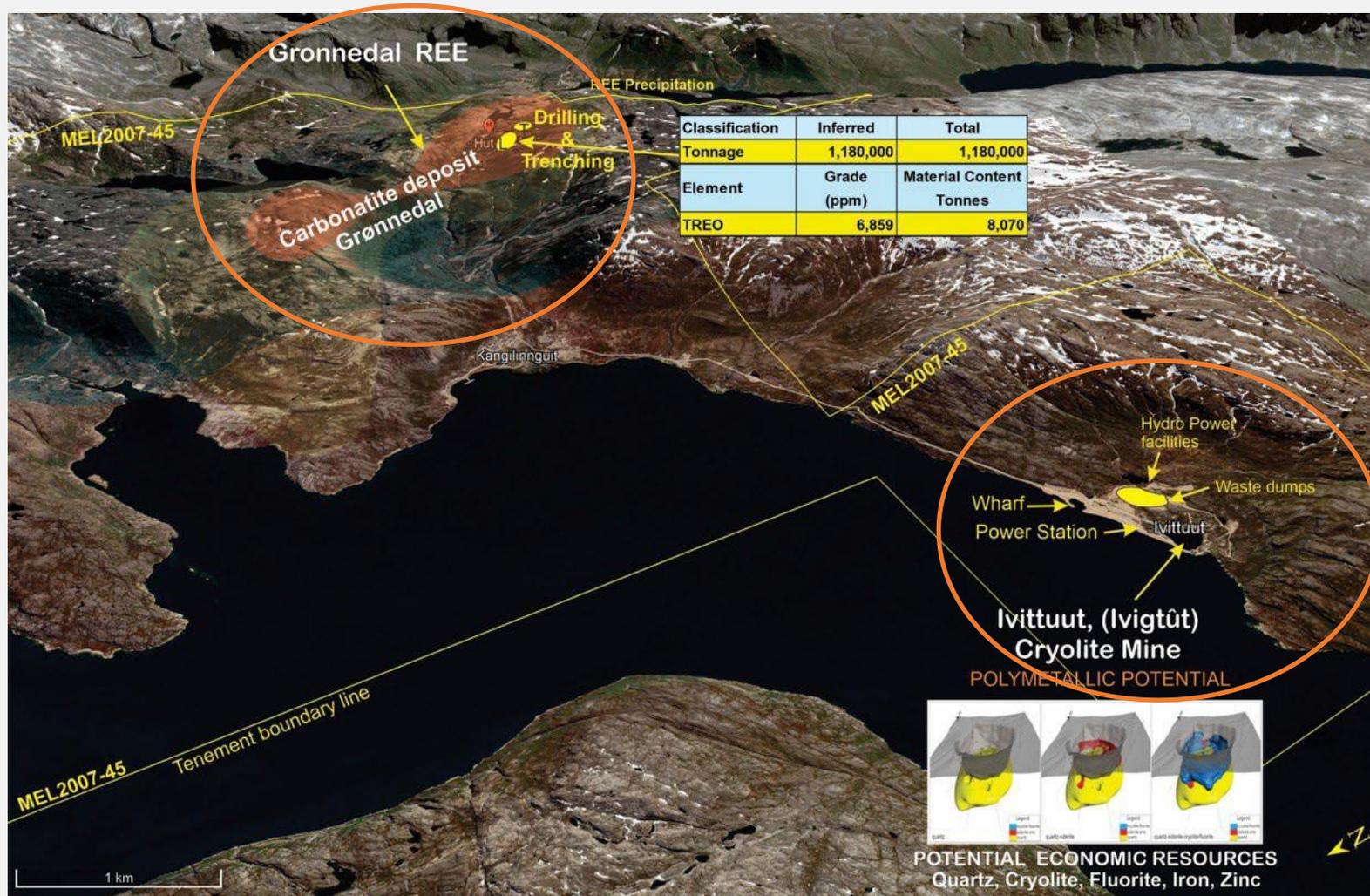


Greenland REE Projects

1. <https://www.npr.org/2019/11/24/781598549/greenland-is-not-for-sale-but-it-has-the-rare-earth-minerals-america-wants>
2. <https://taxsummaries.pwc.com/greenland/corporate/taxes-on-corporate-income#:~:text=The%20corporate%20tax%20rate%20is,corporate%20tax%20rate%20is%2026.5%25>
3. <https://www.energymonitor.ai/sectors/industry/why-the-world-finds-itself-in-a-greenland-mining-rush/>

IVIGTÛT PROJECT AREA

GREENLAND MEL2007-45 (IVIGTÛT MINE & GRØNNEDAL REE DEPOSIT)



Eclipse Metals Greenland Project Mission Statement

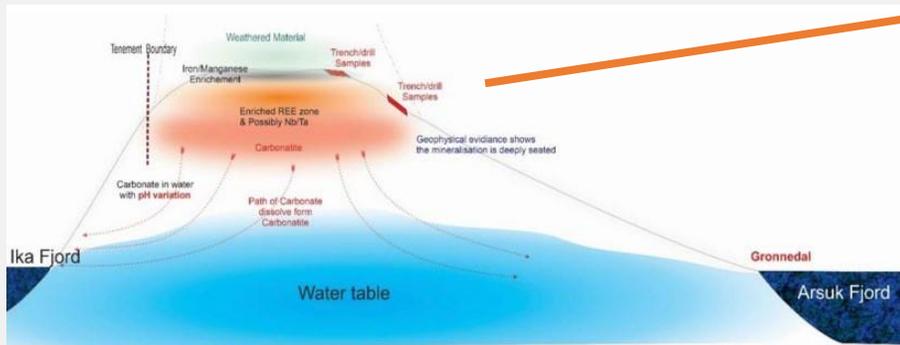
To understand and harness the unique geology of the area and rejuvenate the historical mine site; targeting the project's poly-metallic and REE mineralisation to supply industrial and critical minerals to global markets.

- Ivigtût mine – 120-year cryolite mining history
- Ivigtût Project boasts **existing infrastructure**, including a **power station**, complemented by the nearby Kangilinnguit and Grønnedal settlements, offering a heliport and wharf to support logistical operations

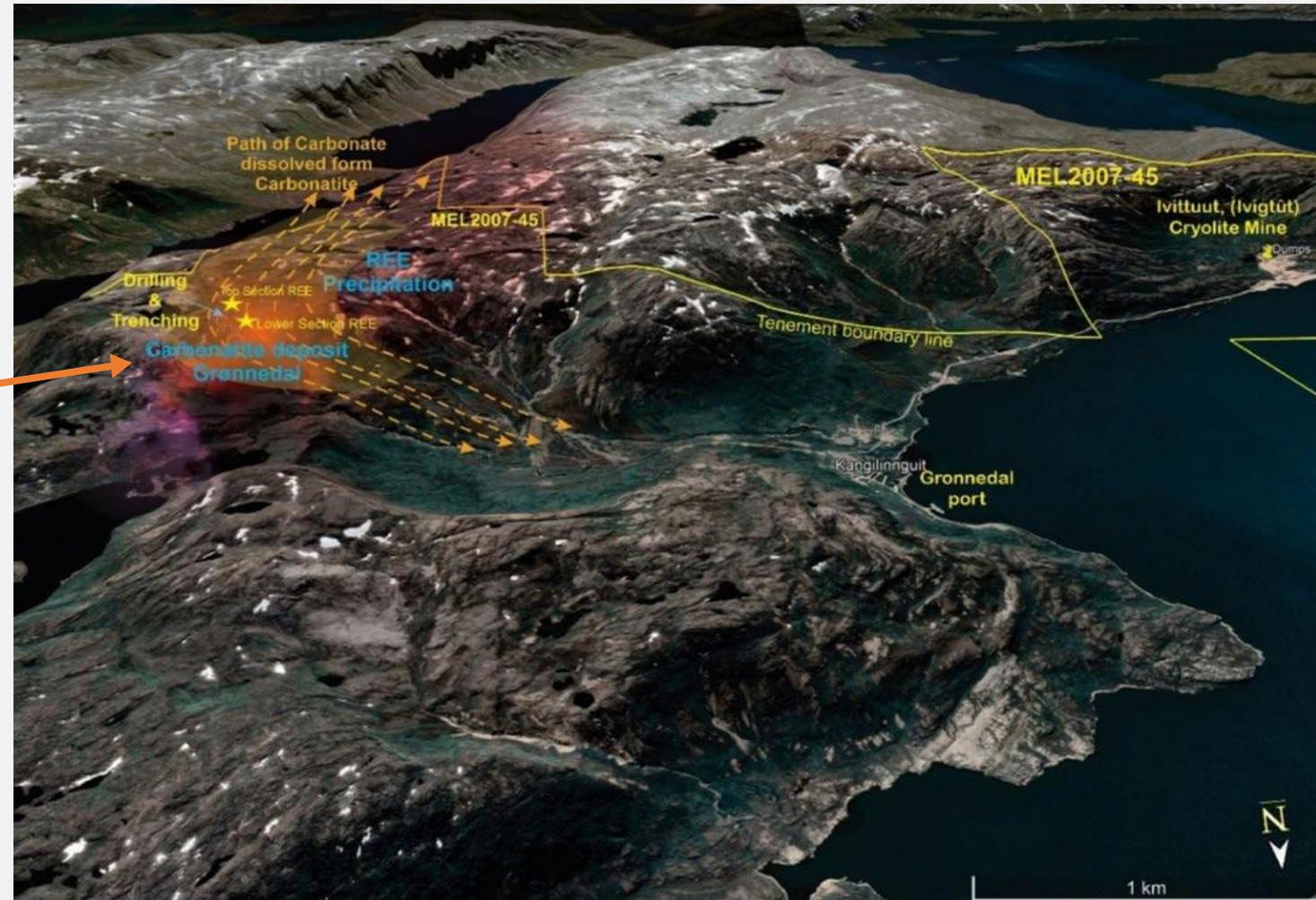
GRØNNEDAL PROJECT

ENRICHED REE IN UPPER LEVELS

- REE mineralisation at Grønnedal is **widespread, deep-seated & open in all directions**
- Trends associated with the distribution of the REE are complex, indicating **enrichment at depth** through leaching and precipitation



Conceptual illustration of the REE precipitation with carbonatite leaching CaCO_3 into the water table between the two fjords, concentrating remaining REE.

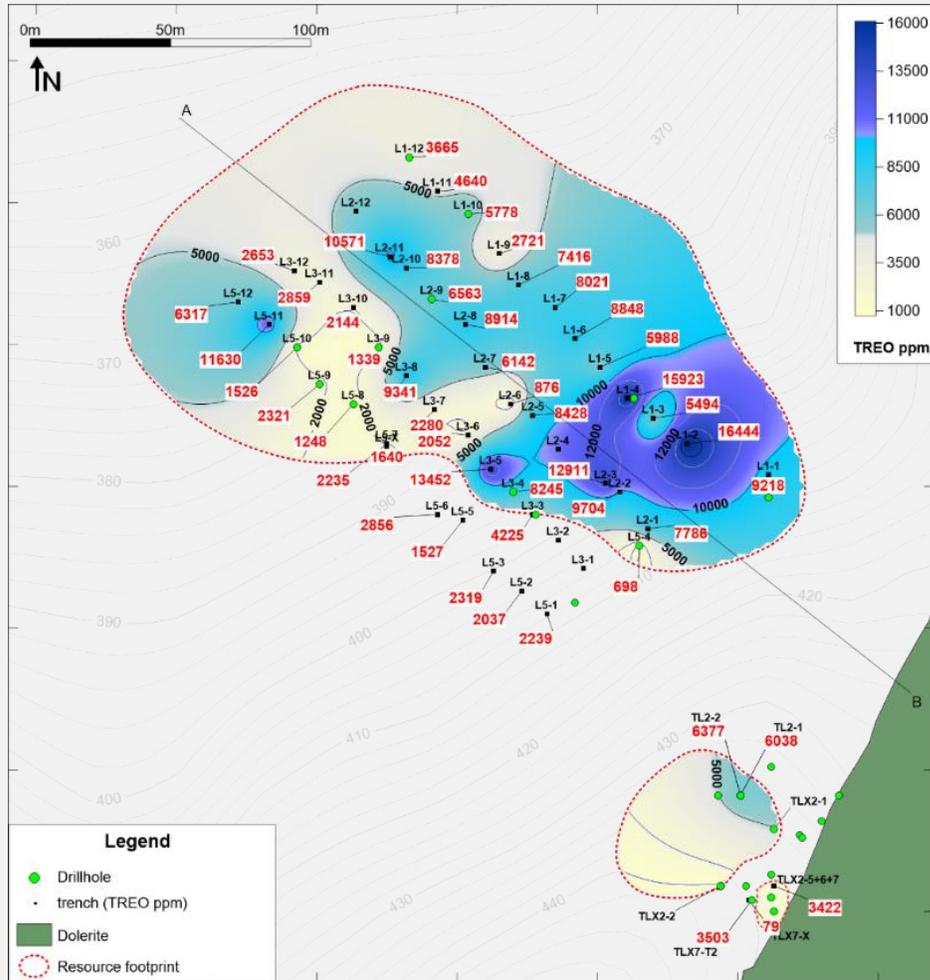


Grønnedal prospect exploration area and the concept of leaching carbonatite dissolved from CaCO_3 and the REE precipitation on top of the hill

- Grønnedal prospect exploration area and the concept of **leaching calcium carbonate from carbonatite thus precipitating REE in upper levels of hill**

GRØNNEDAL PROJECT

UNLOCKING RARE EARTH POTENTIAL



Trench Sampling TREO Contours

Resource Estimate

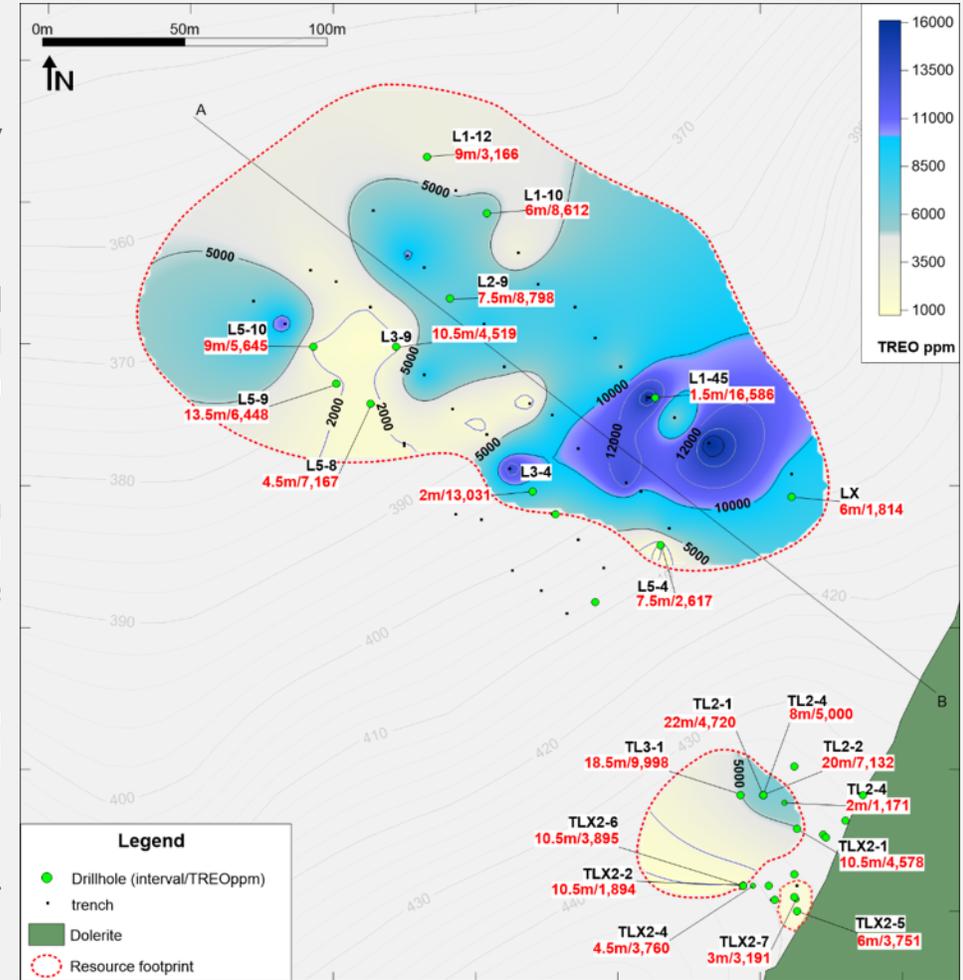
Resource footprint is informed by integration of trench sampling and drilling data.

Trench sampling was executed across a northwest oriented grid covering a 300m by 150m section within the carbonatite intrusion.

Contoured TREO results from trenching demonstrate widespread mineralization throughout the surveyed zone.

Notably, southern and eastern sectors exhibit distinctly elevated TREO concentrations.

Aerial limits of mineralised area not yet defined.



Drillhole Location Map on Trench Sampling TREO Contours

GRØNNEDAL PROJECT

MAIDEN RESOURCE ESTIMATES

NEODYMIUM AND PRASEODYMIUM-RICH REE MINERALISATION AT GRØNNEDAL

Mineral Resource Estimate (MRE):

- **Volume and Grade:** 1.18 million tonnes at 6,859 ppm TREO, containing 8,070 tonnes TREO at 2,000 ppm cut-off
- **Depth:** Resource calculated to 9.5m, equating to 80,000 tonnes per vertical meter (TVM).
- **Resource Potential:** Open in all directions
- **Geological Significance:** Limited drill / trench testing of carbonatite intrusion
- **Magnet REE (MREE):** Ranges from 33% to 39% of TREO, compares favourably with other projects such as Songwe Hill (Malawi) and Yangibana (Australia).

Classification	Inferred	Total
Tonnage (t)	1,180,000	1,180,000
Element	Grade (ppm)	Material Content (Tonnes)
TREO	6,859	8,070
LREO	6,266	7,380
HREO	593	700
MREO	2,385	2,810
CeO ₂	2,879	3,390
Dy ₂ O ₃	75	90
Er ₂ O ₃	16	20
Eu ₂ O ₃	86	100
Gd ₂ O ₃	188	220
Ho ₂ O ₃	9	10
La ₂ O ₃	789	930
Lu ₂ O ₃	1	0
Nd ₂ O ₃	1,879	2,210
Pr ₆ O ₁₁	414	490
Sm ₂ O ₃	306	360
Tb ₂ O ₃	18	20
Tm ₂ O ₃	2	0
Y ₂ O ₃	193	230
Yb ₂ O ₃	7	10

9 February 2024

GRØNNEDAL PROJECT

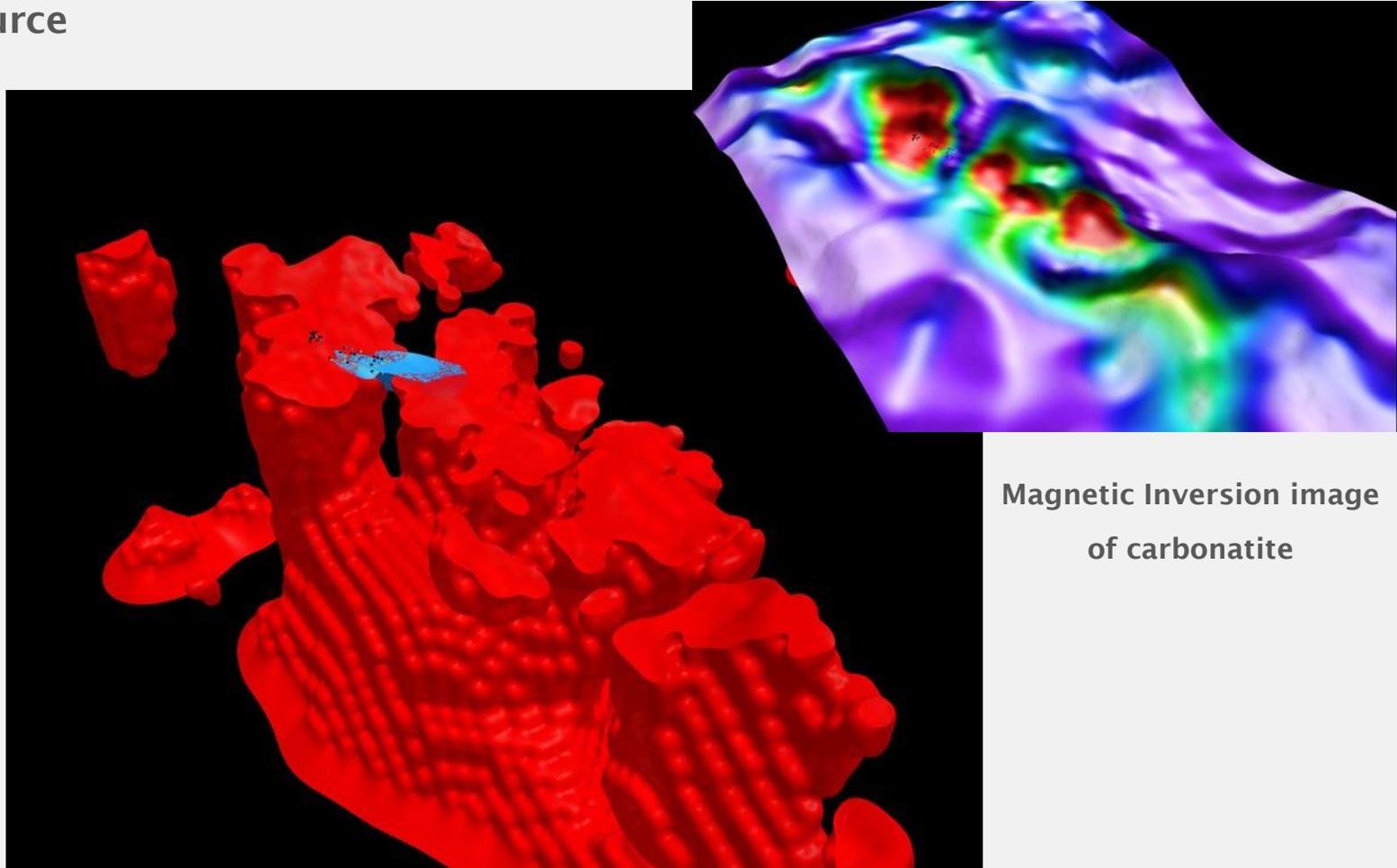
ALL DRILLHOLES ENDED IN REE MINERALIZATION

Indicating the potential to extend resource

REE mineralisation at Grønnedal Central and Northern covers 1.3km by 0.8km.

Extrapolating the outcropping area of carbonatite only in the northern segment to a depth of only 100m indicates a potentially significant exploration target for REE mineralisation.

Such a large exploration target is speculative and additional drilling is required. Exploration targets are based on extrapolated tonnes per vertical metre (TVM) of the carbonatite footprint.



Magnetic Inversion image
of carbonatite

GRØNNEDAL PROJECT

EXPLORATION TARGET

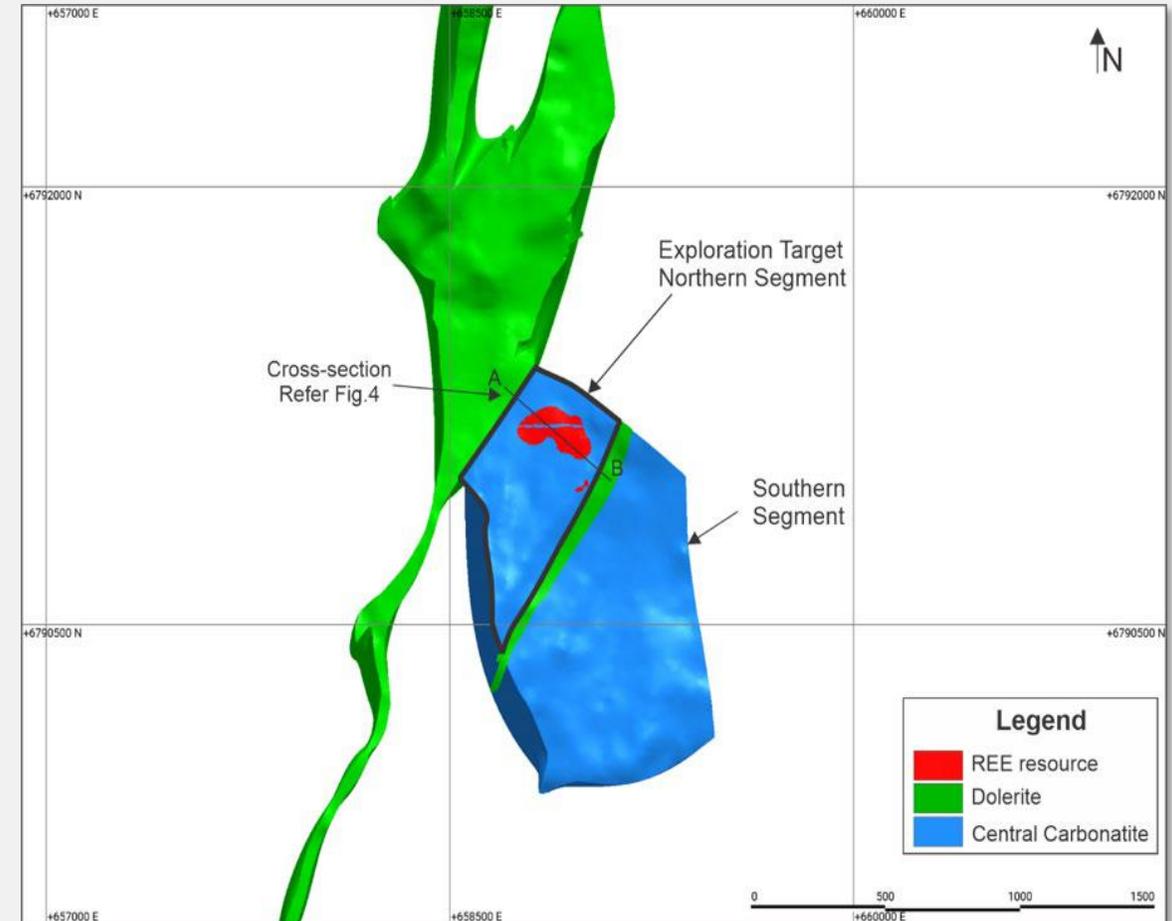
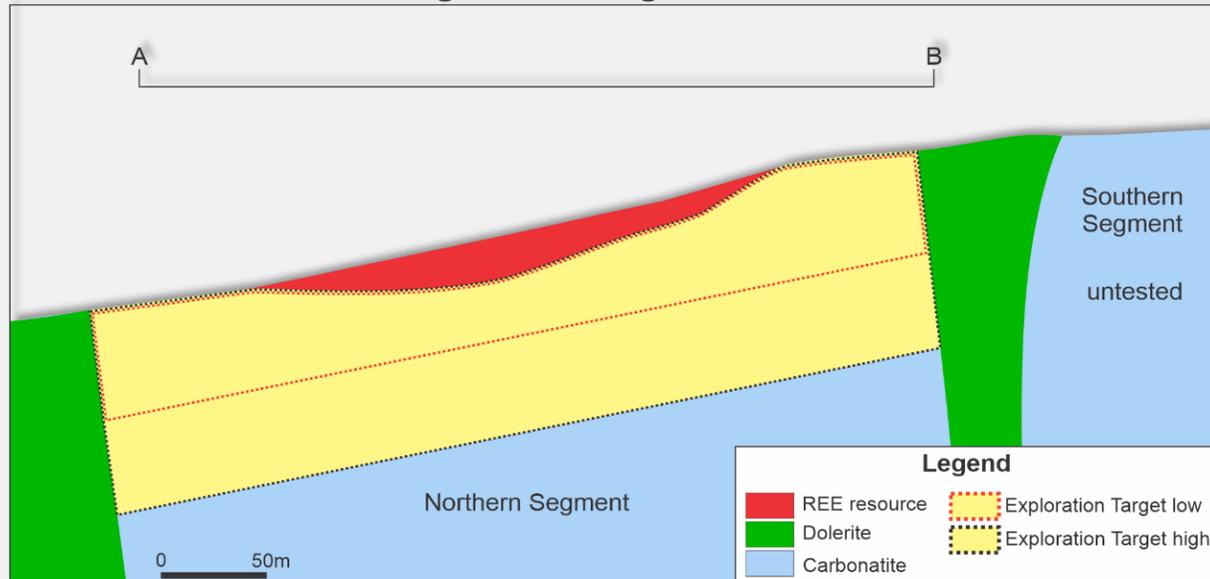
Northern Segment Exploration target is based on extrapolated tonnes per vertical metre of the carbonatite footprint

Grønnedal Central Exploration Target (rounded)

Tonnes Low	Tonnes High	TREO ppm Low	TREO ppm High	Tonnes TREO Low (50m)	Tonnes TREO High (100M)
35,000,000	70,000,000	6,000	7,000	210,000	490,000

*The Exploration Target is conceptual in nature as there has been insufficient exploration to define a Mineral Resource. It is uncertain if further exploration will result in the determination of a Mineral Resource under the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, the JORC Code" (JORC 2012). The Exploration Target is not being reported as part of any Mineral Resource or Ore Reserve.

Cross Section Through Northern Segment of Central Carbonatite

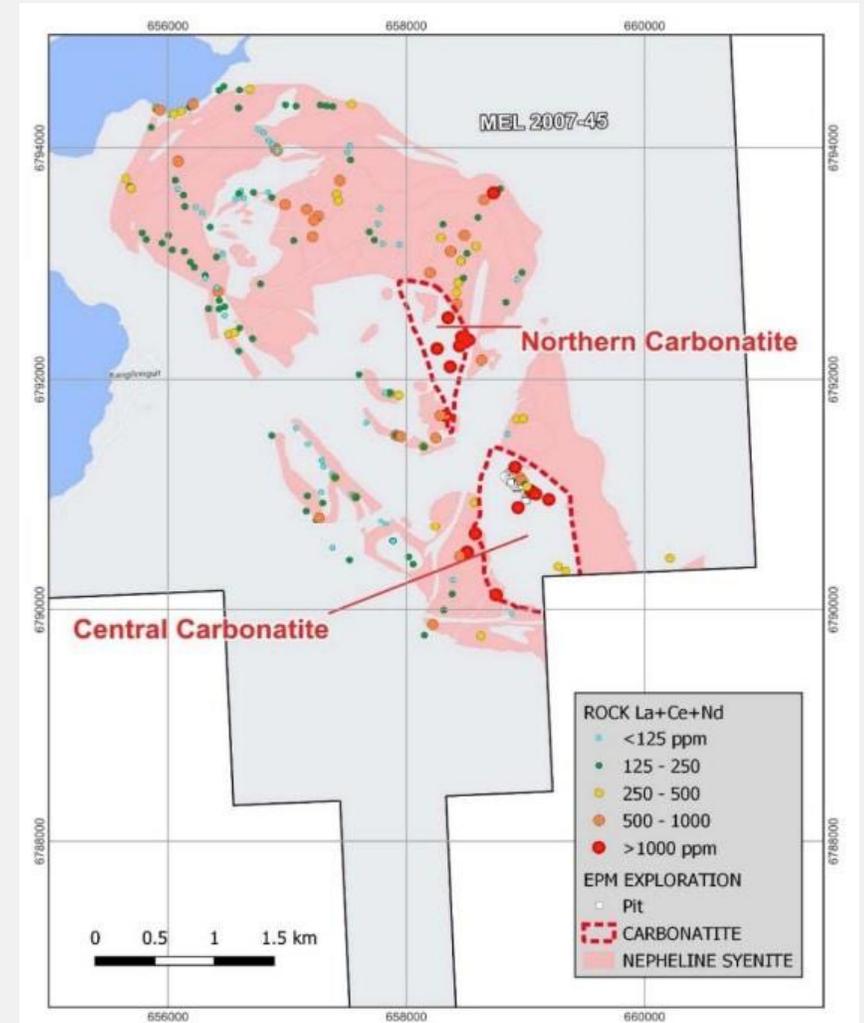
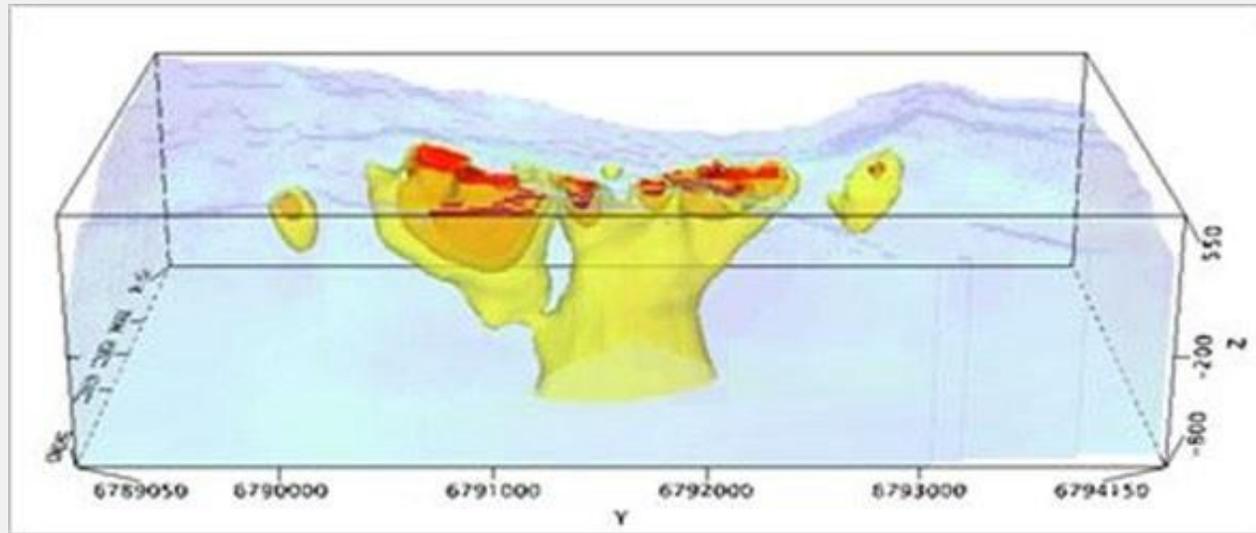


RARE EARTHS IDENTIFIED

OVER 5KM STRIKE AT GRØNNEDAL DEPOSIT, GREENLAND

- **Exploration target at Grønnedal, covers 3 km by 800 m** within a 5 km by 2 km area & extends to a depth of 50m
- Review of data shows that over **1.4 million square metres** of the surface area at Grønnedal is mineralized in REE's
- Outcropping area of ferrocarnatite (~1.4 million m²) to a **depth of 50m** indicates an exploration target of between **175 and 245 million tonnes** of REE mineralisation *

*The Exploration Target is conceptual in nature as there has been insufficient exploration to define a Mineral Resource. It is uncertain if further exploration will result in the determination of a Mineral Resource under the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, the JORC Code" (JORC 2012). The Exploration Target is not being reported as part of any Mineral Resource or Ore Reserve.



(Ref ASX announcement 1st December 2023, Rare Earths Identified Over 5km Strike at Grønnedal Deposit)

PARTNERING WITH GREENLAND FOR OUR MUTUAL BENEFIT

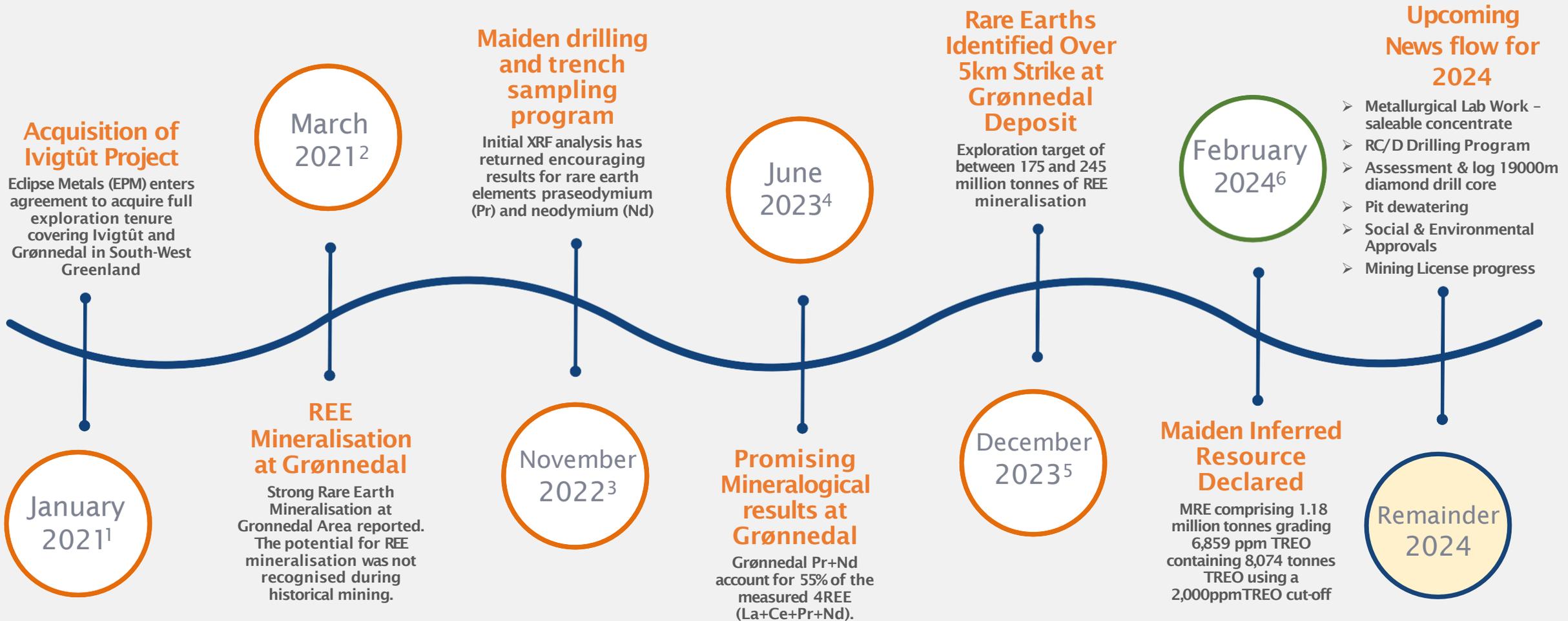
- Eclipse Metals is partnering with leading Greenland contractors:
 - Geologists
 - Drillers
 - Transport providers
- Eclipse is working to preserve Ivigtût's mining history, liaising with Sermersooq municipality to assist in restoring Ivigtût's Mining Museum
- Eclipse respects and aims to work with residents of Ivigtût and Grønndal to develop a project that can benefit all stakeholders
- Eclipse recently provided an update on the scoping phase, progress toward a mining license, and completion of the Social and Environmental Impact Assessment (SIA and EIA).¹
- The Company is focused on environmental, social and governance (ESG) aspects of its project portfolio and is committed to complying with internal ESG policies and protocols.



¹: <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61189344>

ACHIEVEMENTS AND TIMELINE

IVIGTÛT AND GRØNNEDAL REE PROJECT PROGRESSION



Note: Please refer to ASX Announcements:

- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61015517>
- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61022709>
- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61124749>
- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61154868>

Note: Please refer to ASX Announcements:

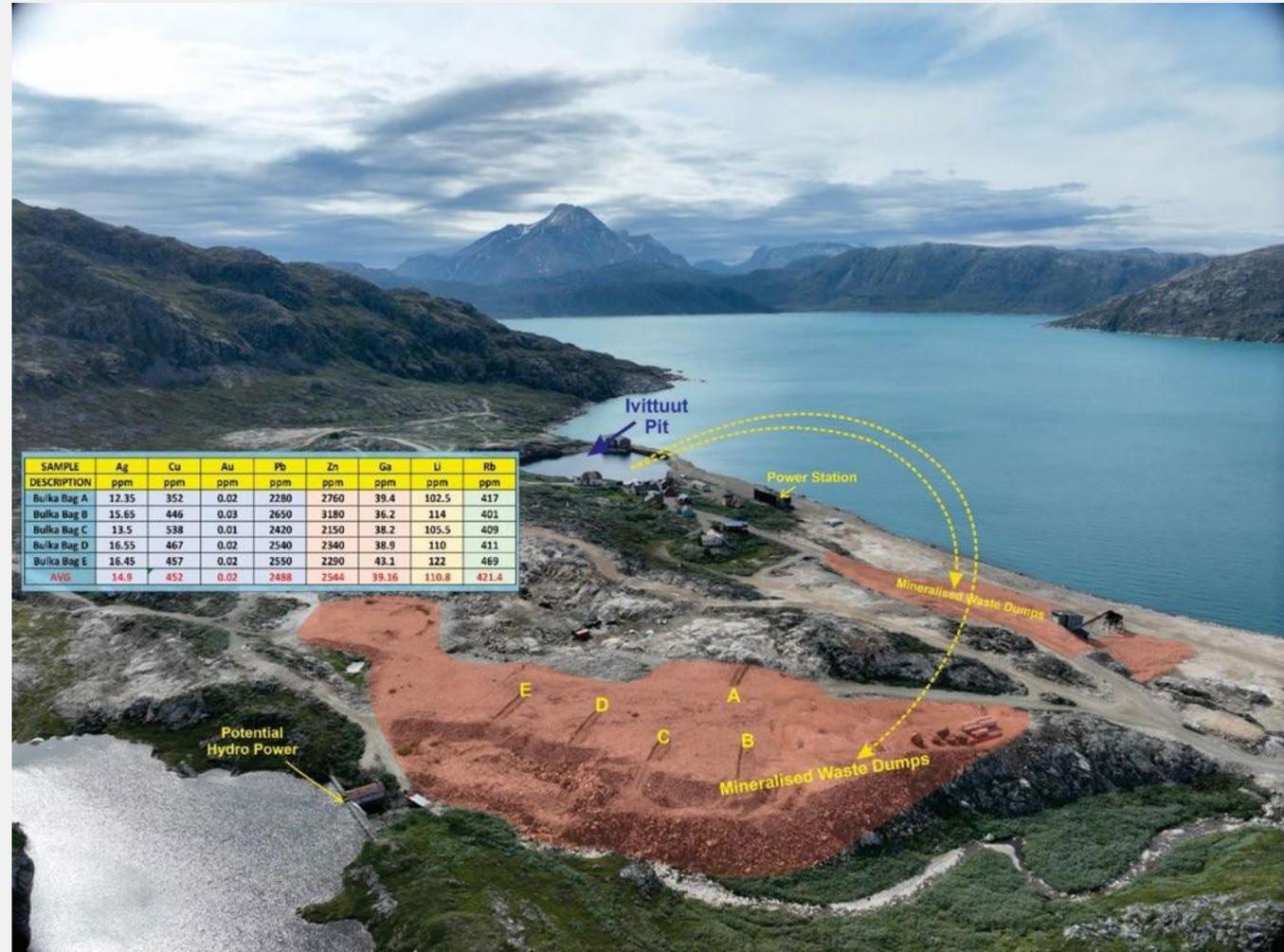
- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61184232>
- <https://wsecure.weblink.com.au/clients/eclipsemetals/headline.aspx?headlineid=61193294>

IVIGTÛT MINE

HISTORIC MINE WITH NEAR TERM CASH FLOW POTENTIAL

Near-term production potential

- Historic Ivigtût cryolite mine
 - Produced 3.8 million tons of cryolite for use in aluminium production over 120 years – mining ceased in 1985
(Bondam, J, 1991)
- Close to **existing infrastructure** including:
 - Heliport
 - Wharf
 - Power station
- Mineralised waste dumps - **short-term cashflow opportunity**
 - Large volume of mineralised waste material could be processed to create concentrates containing silver, zinc, gallium, copper, lead and gold.
 - Low initial capital investment



IVIGTÛT MINE EXPLORATION TARGETS

POTENTIAL ECONOMIC RESOURCES



Range	Mineral Zone Domain	Cut Off (%)	Tonnage (t)	Grade (%)
Exploration Target - Lower	Cryolite in Domain 1	0	870,300	16.0
Exploration Target - Upper	Cryolite in Domain 1	0	916,200	17.7
Exploration Target - Lower	Cryolite in Domain 1	10	680,900	18.4
Exploration Target - Upper	Cryolite in Domain 1	10	716,800	20.4
Exploration Target - Lower	Cryolite in Domain 1	20	268,400	25.8
Exploration Target - Upper	Cryolite in Domain 1	20	282,500	28.6
Exploration Target - Lower	Fluorite in Domain 1	10	163,300	18.3
Exploration Target - Upper	Fluorite in Domain 1	10	171,900	20.3
Exploration Target - Lower	Fluorite in Domain 1	20	55,900	39.6
Exploration Target - Upper	Fluorite in Domain 1	20	58,800	43.8
Exploration Target - Lower	Fe in Domain 2	0	924,200	27.5
Exploration Target - Upper	Fe in Domain 2	0	966,900	30.3
Exploration Target - Lower	Zn in Domain 2	0	63,600	1.5
Exploration Target - Upper	Zn in Domain 2	0	66,600	1.7

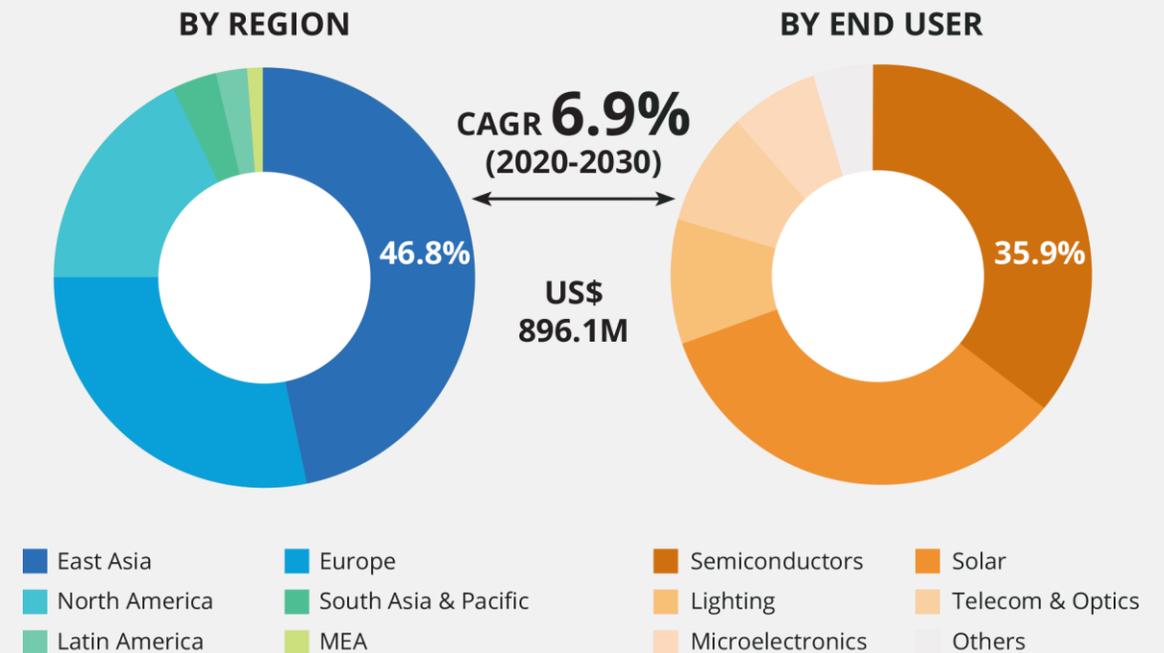
Range	Mineral Zone	Domain No.	Cut Off %	Quartz Tonnage (t)	Quartz Grade Lower %	Quartz Grade Upper %
Exploration Target - Lower	Quartz	3	0	5,700,000	90.0	95.0
Exploration Target - Upper	Quartz	3	0	5,940,000	90.0	95.0
Exploration Target - Lower	Cy-FI-Fe-Zn	4+5	0	795,000	60.0	90.0
Exploration Target - Upper	Cy-FI-Fe-Zn	4+5	0	830,000	60.0	90.0

The potential quantity and grade of the Exploration Targets are conceptual in nature. There has been insufficient exploration work conducted to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource. The Exploration Target has been prepared based on actual exploration results described in this report including historical drilling data and geological modelling.

IVIGTÛT HIGH-GRADE QUARTZ

- High-grade quartz and quartz sand is essential for production of photovoltaic (PV) products, in high-end electronics and semiconductors
- End uses** include silicon, quartz glass, optical fiber, solar cells and integrated circuit boards
- High-grade quartz is defined as being over 99.9% **silica (SiO₂)** with low metal contaminants
- High-grade quartz market is expected to **grow at a CAGR of 7.9%** from \$671.62M in 2019 to **\$1.23Bn by 2027**
- China has **increasing demand for high-grade quartz**, but is largely dependent on imports
- EPM has demonstrated **high-grade quartz mineralisation of >5Mt** at Ivigtût with **up to 99.9% silica grade**.

HIGH PURITY QUARTZ (HPQ) MARKET VALUE SHARE (%), 2020



KEY DRIVER: Growing Demand for Semiconductor ICs, Particularly Due to Rising Penetration of Internet of Things (IoT), Fueling Demand for HPQ

Source: Persistence Market Research *Note: Market shares not depicted as per actual scale, only for illustration purposes.*

CRITICAL RAW MATERIALS ACT & ERMA (EUROPE)

EU's Critical Raw Materials Act (CRM Act)

- Ensure the EU access to a secure and sustainable supply of critical raw materials, enabling Europe to meet its 2030 climate and digital objectives.¹
- EU to strategise raw material partnerships with resource-rich nations²

European Raw Materials Alliance (ERMA)

- Eclipse Metals is a member of the (ERMA) partner network
- Supports strategy to engage with European agencies for the development of Ivigtût rare earths and polymetallic project in Greenland
- EU's efforts to enhance its resilience in accessing critical raw materials

EU Raw Material Commission assessed the criticality of 66 candidate materials in 2020.

- Including 63 individual materials
- Plus, three material groups (heavy rare earth elements, light rare earth elements, and platinum group metals)
- 83 materials in total.

Material Supply Concern: Risk of EU supply chain disruptions

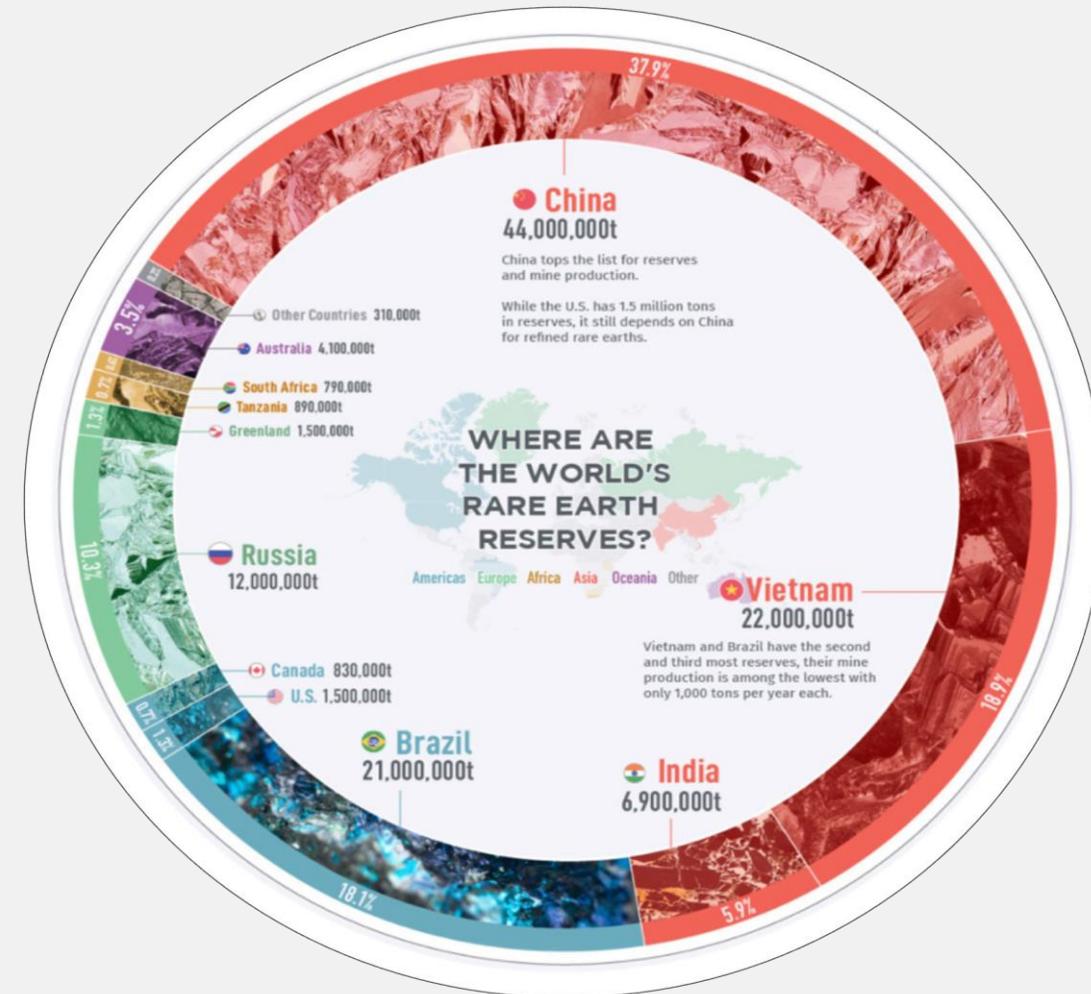


Source

1. https://single-market-economy.ec.europa.eu/sectors/raw-materials/areas-specific-interest/critical-raw-materials/critical-raw-materialsact_en#:~:text=The%20Act%20will%20reduce%20the,high%20social%20and%20environmental%20protection.
2. https://ec.europa.eu/commission/presscorner/detail/en/ip_23_1661

CRITICAL RAW AND RARE EARTH ELEMENTS

- Rare earth elements are part of a group of **17 specialty elements** used in various high-tech applications including, smartphones, wind turbines, MRIs, hard disk drives, LEDs, electric motors and more.
- **REE projected to increase in global demand x5.5 by 2050²**
- **China provides 100 % of the EU's supply** of heavy rare earth elements (REE)²
- 98% of the rare earths used for permanent magnets globally are refined in China²
- Crucial small quantities of REE, **in a large number of hi-tech components**, are required for the **Green E-Revolution**.
- **Magnetic REE** such as Nd, Pr, Sm and Dy are among the world's most valuable commodities.



Source

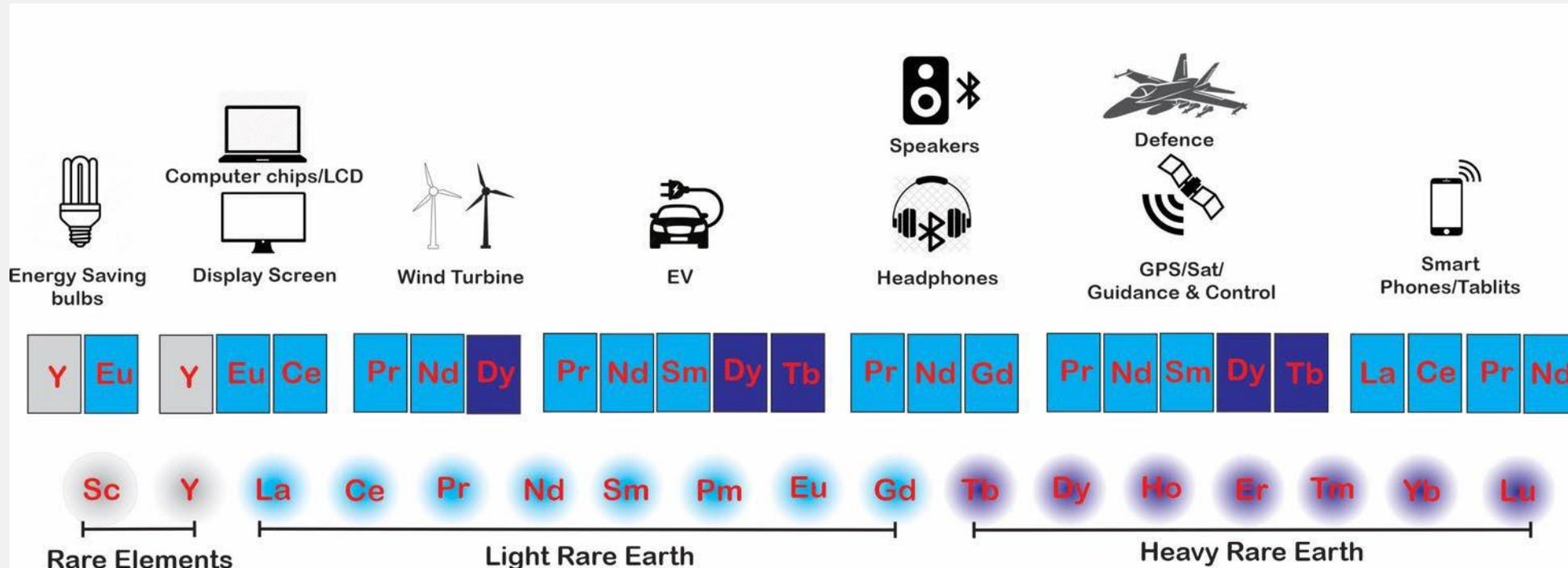
https://single-market-economy.ec.europa.eu/sectors/raw-materials/areas-specific-interest/critical-raw-materials/critical-raw-materials-act_en#:~:text=The%20Act%20will%20reduce%20the,high%20social%20and%20environmental%20protection.

https://single-market-economy.ec.europa.eu/sectors/raw-materials/areas-specific-interest/rare-earth-elements-permanent-magnets-and-motors_en

<https://elements.visualcapitalist.com/rare-earth-elements-where-in-the-world-are-they/>

CRITICAL ELEMENTS IN REE MAGNETS: NEODYMIUM & PRASEODYMIUM

- Nd magnets are essential in the motors of EVs and hybrid vehicles, offering high efficiency and power
- Pr magnets are used in wind turbine generators due to their ability to withstand high temperatures and corrosion.
- The push for sustainable energy sources is escalating the demand for Nd & Pr.
- Nd and Pr are key in manufacturing high-strength magnets used in hard disk drives, MRI machines, and miniaturized electronic devices.
- Technological advancements and the miniaturisation of electronics fuel the increasing need for these elements.



2024 PLANNED NEWSFLOW - GREENLAND



- **Lab Testing:** Assessing extractability of Rare Earth Elements from mineral deposits
- **RC/D Drilling:** Resource Drilling Program - 2024 Field Season
- **Environment Assessment:** Completion of scoping phase of Environmental & Social Impact Assessment, including pit water testing and dewatering strategy
- **Exploitation Licence:** Continue progressing application for a Mining Licence at MEL2007-45
- **Resource Upgrading:** Further study existing drill core samples and combine with laboratory results to establish a Resource upgrade
- **PFS Target:** PFS Targeted for late 2024 to early 2025

Use GPR, TIMA, and SUCHI alongside drone surveys for resource modelling

Diversified Projects



Ivigtût REE Project



Grønnedal REE Project



**Mary Valley
Manganese Project (QLD)**



**Rock Hill Copper Project
(NT.Au)**



**Liverpool Uranium Project
(NT.Au)**



**Ngalia Uranium Project
(NT.Au)**

DISCLAIMER



Statements contained in this material, particularly those regarding possible or assumed future performance, costs, dividends, production levels or rates, prices reserves or potential growth of Eclipse Metals Ltd, industry growth or other trend projections are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. This communication includes certain statements that may be deemed "forward looking statements" and information. Actual results and developments may differ materially from those expressed or implied by these forward- looking statements depending on a variety of factors.

Nothing in this presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell shares in any jurisdiction.

The information in this presentation is based on publicly available information, internally developed data and other sources.

No independent verification of those sources has been undertaken and where any opinion is expressed in this document it is based on the assumptions and limitations mentioned herein and is an expression of present opinion only. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency, or reliability of the information. The Company disclaims and excludes all liability (to the extent permitted by law), for losses, claims, damages, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it.

The Company is at an early development and exploration stage and although reasonable care has been taken to ensure that the facts stated in this presentation are accurate and/or that the opinions expressed are fair and reasonable, no reliance can be placed for any purpose whatsoever on the information contained in this document or on its completeness.

The Company confirms that all material assumptions and technical parameters underpinning the Mineral Resource Estimate announced 9 February 2024 continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified

The information in this presentation that relates to Exploration Results and Exploration Targets is based on information compiled and reviewed by Mr. Rodney Dale, Non-Executive Director of Eclipse Metals Ltd. Mr. Dale holds a Fellowship Diploma in Geology from RMIT, is a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM) and has sufficient experience relevant to the styles of mineralisation under consideration and to the activity being reported to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Dale consents to the inclusion in this presentation of the matters based on information in the form and context in which it appears. Additionally, Mr Dale confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this report.



Thank you

Contact us for further information:

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