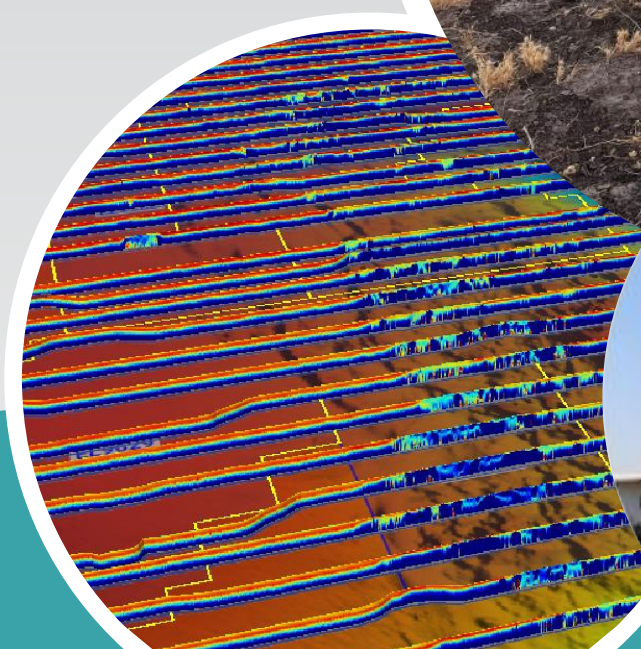




# Investor Presentation

## AMEC Investor Briefing

9<sup>th</sup> April 2024



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SER confirms in the subsequent public report that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of estimates of \*mineral resources or \*ore reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

**Competent Persons Statement:** The information in this report that relates to Exploration Results is based on information compiled by Mr Stuart Rechner BSc (Geology) MAIG MAusIMM, a Member of the Australian Institute of Geoscientists and the Australasian Institute of Mining and Metallurgy. Mr Rechner is a Director and shareholder of Strategic Energy Resources Ltd. Mr Rechner has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activity being undertaken 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 Rechner consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

This announcement has been approved for release by the Board of Strategic Energy Resources.

# Corporate Overview



Tight capital structure with an invested team

## Capital Structure

Share Price (4/4/24)	1.0c
Shares on issue	486M
Market cap.	\$4.8M
Cash (31/12/23)	\$1.3M

## Major Shareholders

Graeme Kirke	13%
Datt Capital	11%
Board & Management	9%
Top 20	53%

## Executive Team

### Stuart Rechner

Executive Chairman

BSc (Geology) LLB MAIG  
MAusIMM MSEG GAICD

### David DeTata

Managing Director

PhD (Chem.) MBA  
AAusIMM GAICD

### Anthony McIntosh

Non-Executive Director

BCom GAICD

## Technical Team

### Neil Chalmers

Exploration Manager

BSc MSc (Geology) MAIG

### Chris Yeats

Manager, NSW

BSc PhD (Geology) DFGSAust

### Steve Beresford

Consultant

Lapis Consulting BSc PhD (Geology)

### Theo Aravanis

Consultant

Arrow Geosciences BSc Hons.





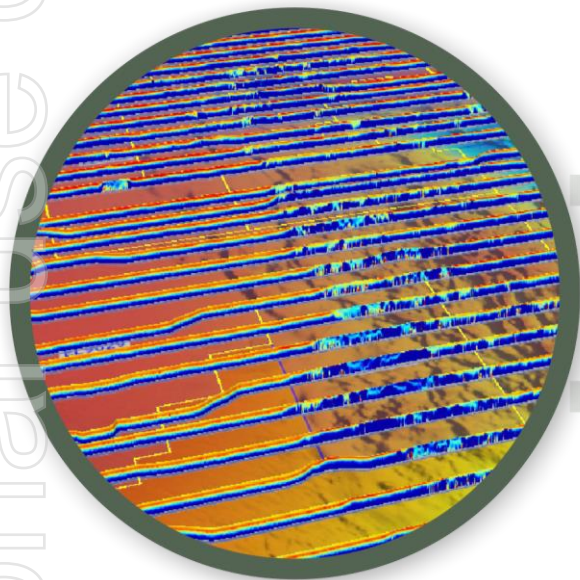
# Science Driven Exploration

A Novel Approach to Greenfield Exploration

**Search**

**Explore**

**Resolve**

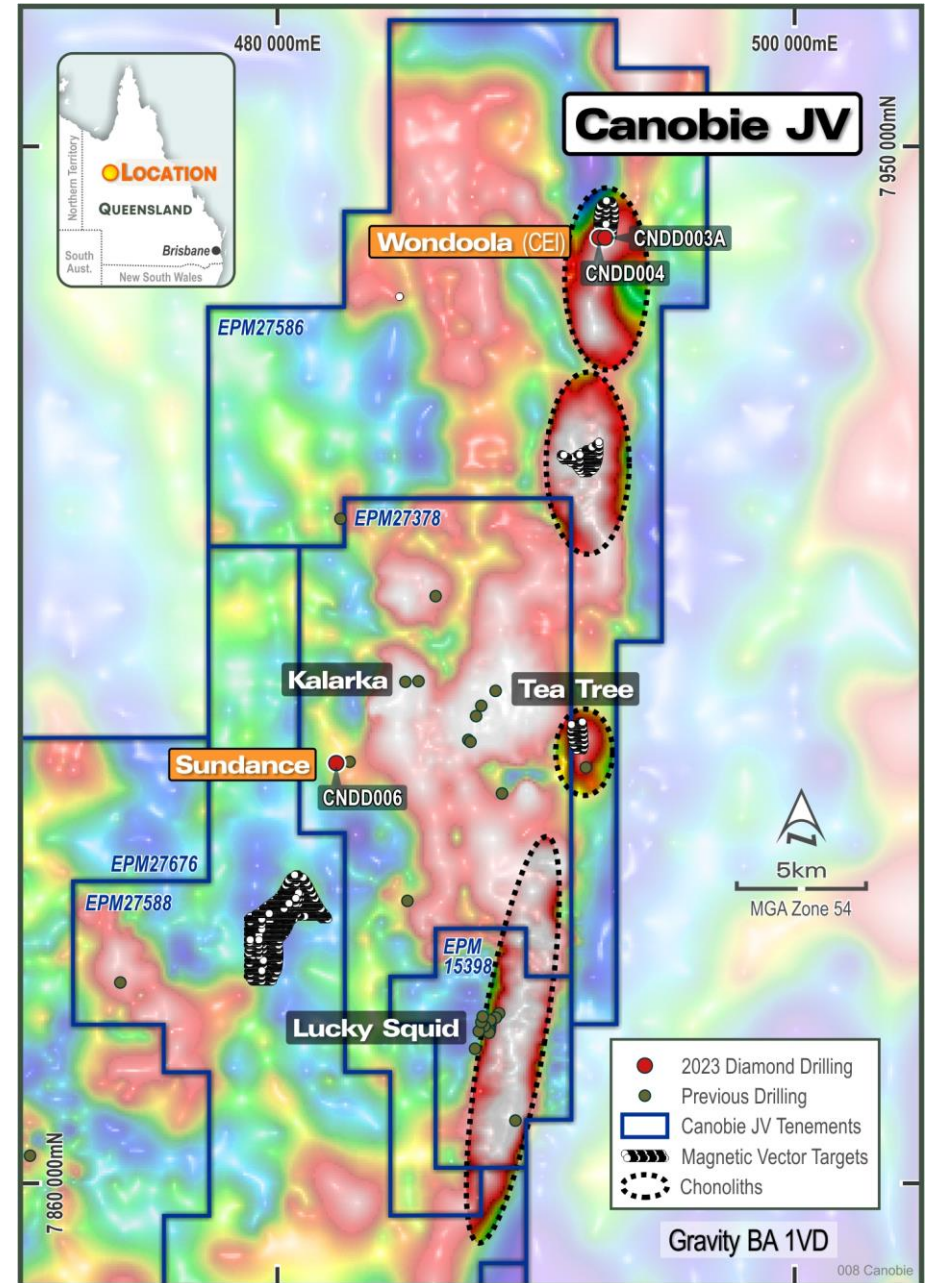


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# Canobie Ni-Cu + Cu-Au Project

## Exploration Analogue: Ernest Henry (ASX:EVN)

- >2,000km<sup>2</sup> within the Mt Isa Eastern Succession; includes 100km extension of the N/S Quamby fault; host to Ernest Henry Cu-Au Gold mine (140km south)
- High-grade Gold intercepts drilled at the Lucky Squid Prospect including;
  - 2008 Anglo American: SXDD005 - **17m @ 6.75g/t Au** from 631m
  - 2010 AngloGold Ashanti: SXDD014 - **15m @ 9.09g/t Au** from 699m
  - 2019 SER: SXDD020 - **6m @ 12.08 g/t Au** from 519m **incl. 2m @ 32g/t Au**
- Significant Nickel intercepts at the Tea Tree and Kalarka Prospects including;
  - 1994 MIM Exploration: TT001D - **10.4m @ 0.25% Ni, 0.28% Cu** from 508.2m
  - 2021 SER: CNDD001A - 132m @ 0.1% Ni from 507m incl. **2m @ 0.68% Ni, 0.17% Cu** from 635m
  - 2021 SER: CNDD002 - 43m @ 0.1% Ni from 615m and **0.6m @ 0.96% Ni, 0.11% Cu** from 661.6m<sup>1</sup>
- Gravity survey & Magnetic Remanence study identified numerous clusters of vector magnetic anomalies coincident with **interpreted chonoliths**<sup>2</sup>
- Chonolith style intrusions are analogous to those seen in globally significant Nickel deposits including Noril'sk – Talnakh (Russia), and Nova-Bollinger (W.A.)



<sup>1</sup> ASX SER Announcement December 2021; <sup>2</sup> ASX SER Announcement November 2022



# Fortescue Farm-in Joint Venture

## Exploration Analogue: Ernest Henry (ASX:EVN)

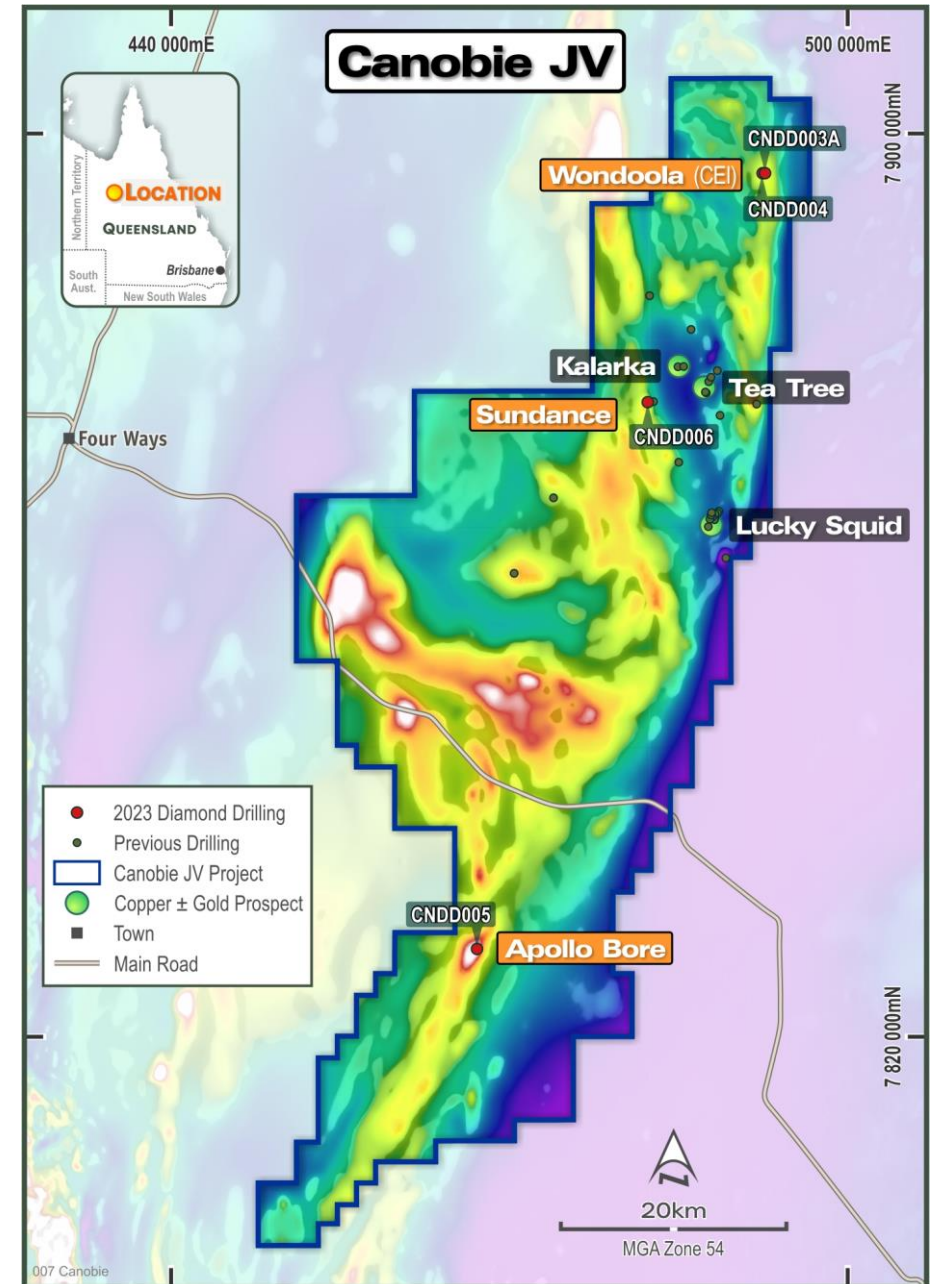
### 2023 Exploration Program - Completed

- Three new IOCG targets tested (3,300m) within the first 6 months of JV
- Assays confirmed IOCG alteration and pathfinder elements; trace level Copper<sup>1</sup>
- Core relogging completed with additional petrophysical measurements taken
- **Only basement metres count towards drilling requirement (1,467m to date)**

### 2024 Exploration Program

- 2,500+ ground gravity survey budgeted across central tenement region
- Advanced geophysical modelling underway along with additional petrophysical studies to assist in prospect generation for year 2 fieldwork
- Diamond drill program over multiple new targets this year (June-November)
- *If economic deposit discovered and decision to mine made, Mining Lease (ML) area excised from JV and SER may join development or sell interest in ML area*

**Stage 1:** Fortescue to earn 51% by spending \$4M on exploration which must include drilling a **minimum of 3,000m of basement** within the first three years<sup>1</sup>



<sup>1</sup> ASX SER Announcement August 2023

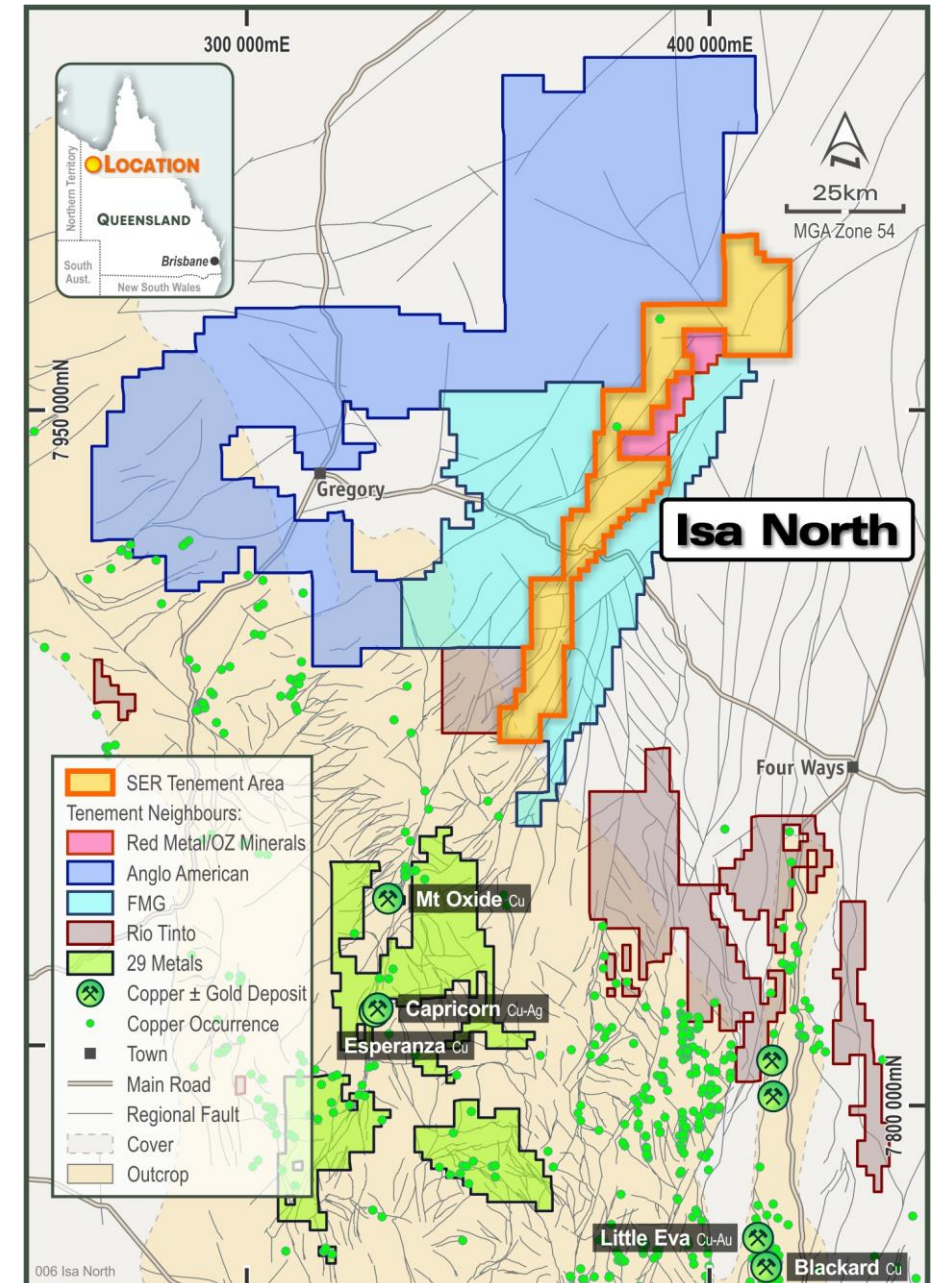
# Isa North Cu-Au Project

## Exploration Analogue: Capricorn Copper Mine (ASX:29M)

- >900km<sup>2</sup> along the projected northern extension of the mineralised Mt Gordon fault, host to several larger deposits to the south including the Capricorn copper deposits held by 29Metals (ASX: 29M)
- Acquired from Newcrest in 2021; Newcrest retain a FROR and 1% NSR (10yrs)<sup>1</sup>
- Newcrest drilled (5,190m) across 4 targets; Lorraine North (INMD001) identified as a near-miss with Chalcopyrite in hydrothermal breccia and carbonate veins<sup>2</sup>
  - **Interpreted Tier-1 halo intercept** within a >5km hydrothermal system –
  - High Priority Target: Follow-up drilling hindered due to landholder access – SER has secured
- Red Metal Limited (ASX:RDM) intersected 44.4m of hydrothermal ironstone and breccia (GTK2101), Cu assay numbers up to 0.34% provided proof of concept<sup>3</sup>; subsequent interpretation being typical of proximal to an IOCG setting<sup>4</sup>

### 2024 Exploration Program

- Diamond drill 2 new IOCG targets; following up Newcrest near miss
- Entire region is now secured by Fortescue, Rio Tinto and Anglo American



<sup>1</sup>ASX: SER Announcement: May 2021

<sup>2</sup>ASX: SER Announcement April 2022; <sup>3</sup>ASX: RDM Announcement January 2022

<sup>4</sup>ASX: RDM Announcement January 2023



# Mundi Cu-Au Project

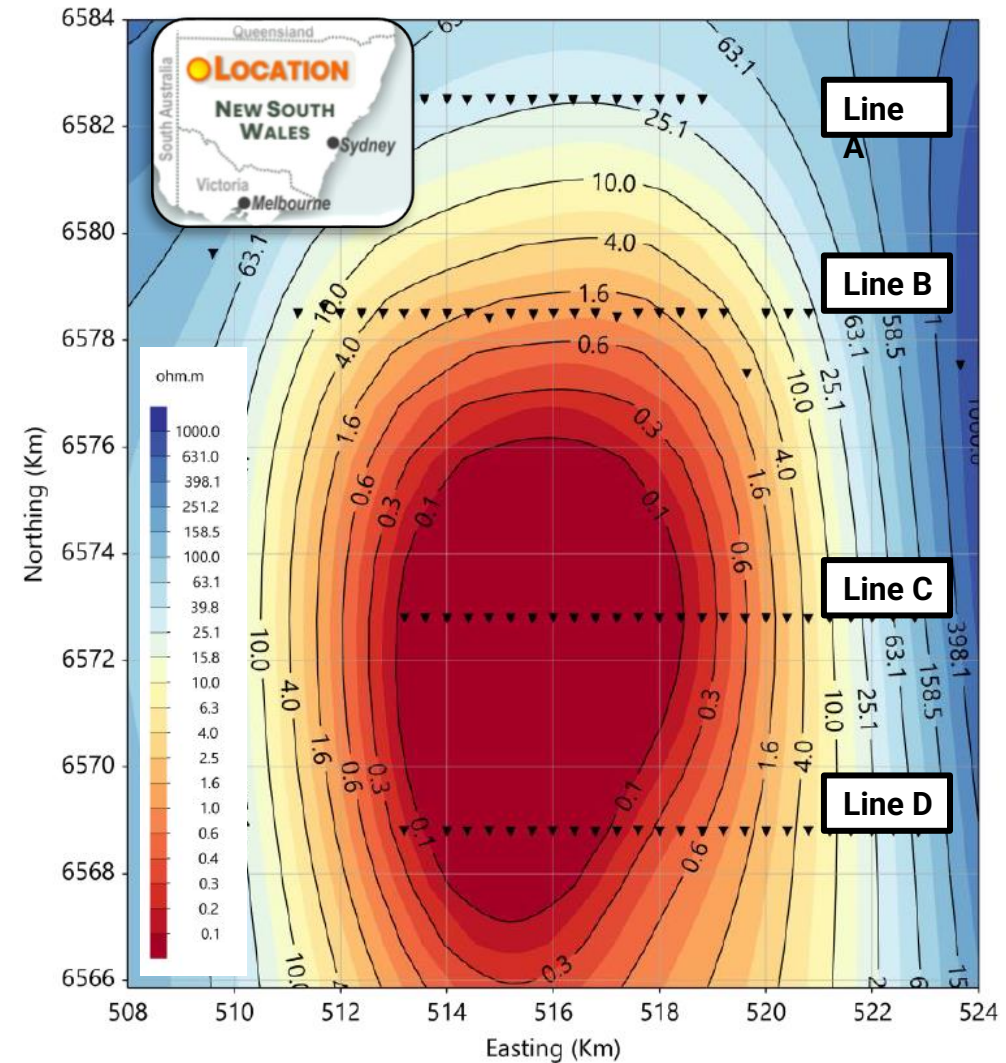
## Exploration Analogue: Kalkaroo Copper-Gold Project (ASX:HAV)



- Located 150km NNW of Broken Hill within a known IOCG mineral province; covering over 1,300km<sup>2</sup> of the Curnamona Province
- Greenfields project with sparse exploration and a single drillhole
- Large crustal Conductivity Anomaly identified in the lower- to middle- crust by the 55km-spaced AusLAMP MT survey in 2016
- Resolved in the upper crust by the 2km- to 4km- spaced Curnamona Crustal Magnetotelluric Transect (CCMT) survey in 2017<sup>1</sup>
- 2023 in-fill MT survey to improve resolution of large, high intensity conductive anomaly<sup>2</sup> with modelled resistivities in the core reaching <0.1ohm.m; current line spacing of 5.7km between Line B & C
- MT modelling by University of South Australia shows shallow conductive features are linked to the Curnamona Conductor and resemble conductivity signatures of IOCG's including Olympic Dam

### 2024 Exploration Program

- MT modelling underway; passive seismic and electromagnetic survey to follow with drill target(s) to be defined mid-year



<sup>1</sup> ASX: SER Announcement September 2023

<sup>2</sup> ASX: SER Announcement November 2023



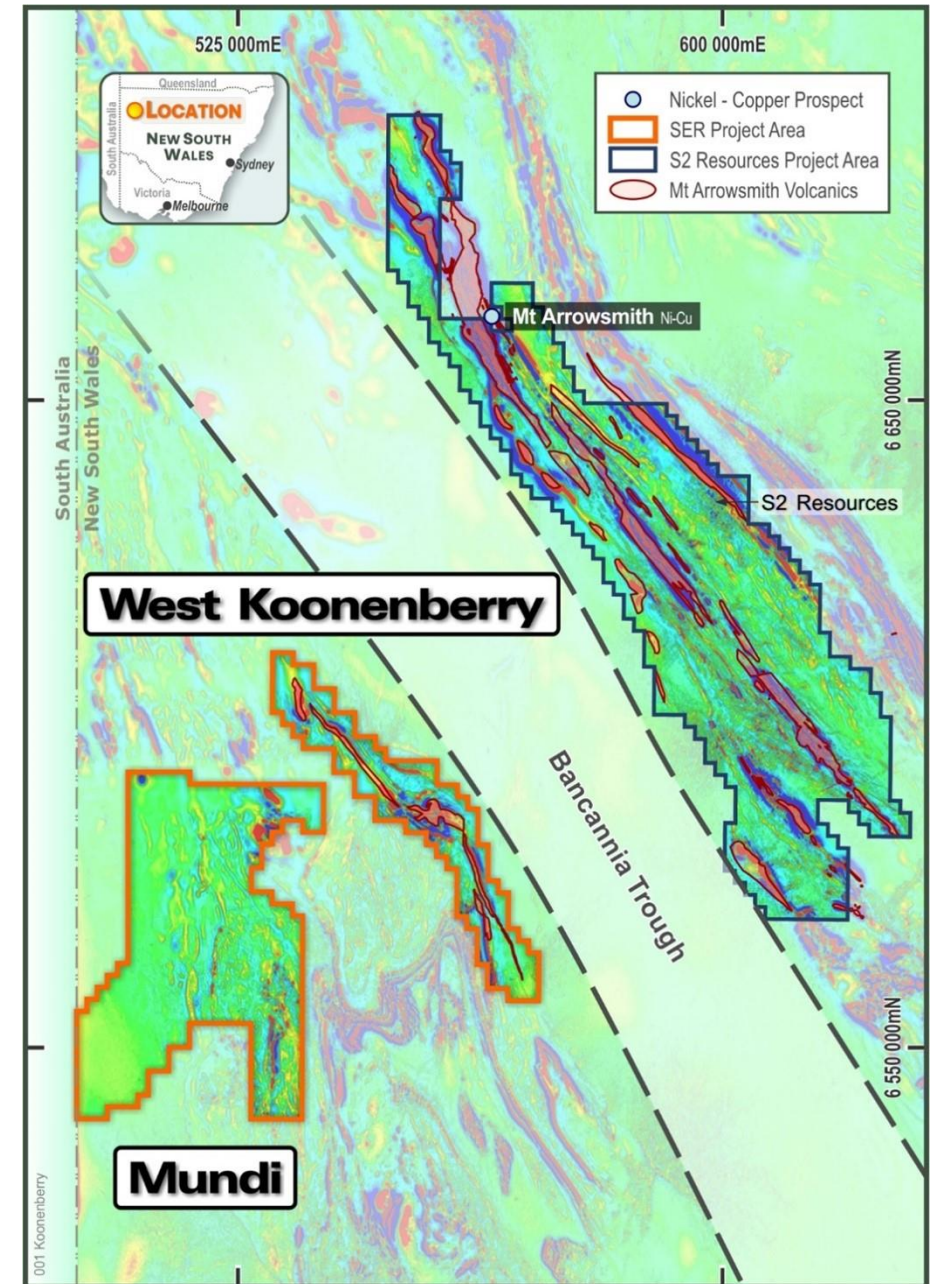
# West Koonenberry Cu-Ni Project

## Exploration Analogue: Nova-Bollinger (ASX:IGO)

- Located 100km NE of Broken Hill; covers 483km<sup>2</sup> of underexplored ground interpreted as the western extension of the Koonenberry Cu-Ni belt<sup>1</sup>
- Captures 60km of prospective stratigraphy which includes outcropping basalts at the southern end and numerous old mine shafts
- Linear magnetic rocks analogous to Mt Arrowsmith mafic sills to the east; highly prospective belt for Cu-Ni rich massive sulphides
- Eastern side previously explored by INCO/Vale and IGO and currently being explored by S2 Resources<sup>2</sup>
- Targeting equivalent mafic host rocks on the eastern edge of the Curnamona block, rifted from the Koonenberry belt during the formation of the Bancannia Trough

### 2024 Exploration Plan

- Secure land access followed by reconnaissance mapping and sampling of exposed geology at the southern end of the project
- Airborne magnetic survey scheduled for June 2024







<sup>1</sup>ASX: SER Announcement: March 2024

<sup>2</sup>ASX: S2R Announcement October 2023

# Multiple Price Catalysts

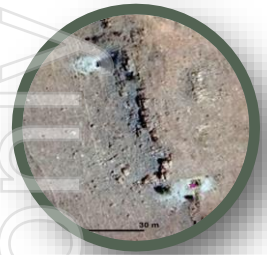
High impact exploration through 2024 ...

	Q2 2024	Q3 2024	Q4 2024
	<b>CANOBIE Cu-Au FJV</b> Geophysics (Gravity/MT)	Diamond Drill Program	Assay Results
	<b>ISA NORTH Cu-Au</b> Diamond Drill Program	Assay Results	Project Review
	<b>MUNDI Cu-Au</b> Geophysics (Seismic)	Interpretation/Modeling	Project Review
	<b>WEST KOONENBERRY Cu-Au PROJECT</b> Field Recon./Mapping	Geophysics (Magnetics)	Project Review



# Redefining Exploration

Discovery through Drilling



**Science Driven Approach to project generation**



**Rapid exploration with no fear of failure – low risk**



**Defined exit points for every project at every stage**

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Strategic Energy Resources

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## For further information

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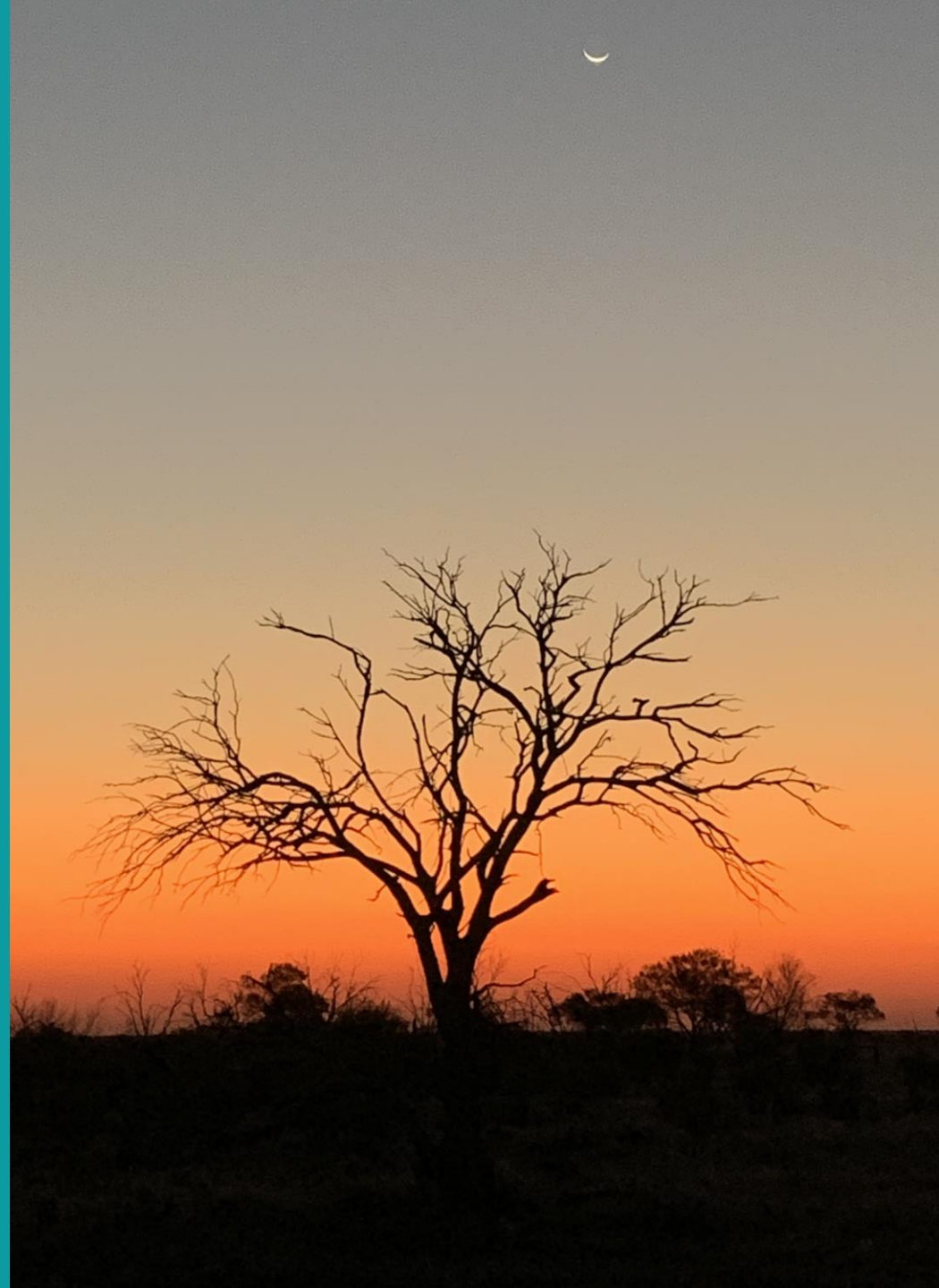
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