



**FIRST  
LITHIUM**

# INVESTOR PRESENTATION

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NOVEMBER 2023



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## COMPETENT PERSONS STATEMENT

Except where indicated, exploration results above have been reviewed and compiled by Mr Kobus Badenhorst, a Competent Person who is a Member of SACNASP and the South African Geological Society (GSSA), with over 25 years of experience in metallic and energy mineral exploration and development, and as such has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration 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 Badenhorst is the Managing Director of GeoActiv Dynamic Geological Services and consents to the inclusion of this technical information in the format and context in which it appears.



# ABOUT FIRST LITHIUM

# WHY FIRST LITHIUM?

## **QUALITY AND POTENTIAL SIZE OF LITHIUM TARGET**

Historical exploration work at the priority Blakala spodumene pegmatite has demonstrated lithium grades in outcrop over 1% Li<sub>2</sub>O over approximately 500m of strike. Blakala identified as one of two priority 1 lithium targets in country, with the other being Goulamina (owned 45% by ASX listed Leo Lithium).

## **STRONG NEWSFLOW**

Maiden drilling at Blakala commenced and 1,560m+ completed, with first assays expected in the first week of December

## **FINANCIAL HEALTH**

First Lithium is well funded, with cash at bank of AUD\$6m, sufficient to execute the planned drilling programs, targeting a maiden JORC complaint mineral resource.

## **MANAGEMENT TEAM**

Significant in-country experience and specialist advisors with extensive lithium exploration and government relations expertise.

## **DEMAND AND MARKET POTENTIAL**

Analysing the global demand for lithium, especially in the electric vehicle and renewable energy sectors, fuel First Lithium's potential growth prospects.

## **ENVIRONMENTAL AND SOCIAL RESPONSIBILITY**

The management and board are committed to help local communities benefit and developing the local economy in an environmentally sensitive way.

# CORPORATE OVERVIEW

## Corporate Snapshot

ASX Code	<b>FL1</b>
Shares on Issue	<b>99.1m</b>
Market capitalisation (at \$0.65 per share on 24/11/23)	<b>\$64.4m</b>
Options on issue (as outlined in Prospectus)	<b>42.2m</b>
Cash at Bank	<b>\$6m</b>
Outstanding performance shares (as outlined in Prospectus)	<b>15m</b>
Top 20 Shareholders (majority escrowed)	<b>58%</b>
Substantial: Intermin Mines Corporation	<b>28%</b>



# LEADERSHIP



**Venkatesh Padala**

**MANAGING DIRECTOR  
AND CEO**

A qualified engineer with over 35 years' experience in technical, financial and AI based manufacturing and mining industries.



**Lee Christensen**

**NON-EXECUTIVE  
CHAIRMAN**

A lawyer and former senior partner at both Dentons and Gadens in Perth, specialising in dispute resolution, insolvency and restructures.



**Andrew Law**

**NON-EXECUTIVE  
DIRECTOR**

35 years' of experience in mining and resources industry in Australia, Africa and South America. Extensive technical and management experience at ASX board, corporate and operational levels. Mr Law is qualified mining engineer.



**Jason Ferris**

**NON-EXECUTIVE  
DIRECTOR**

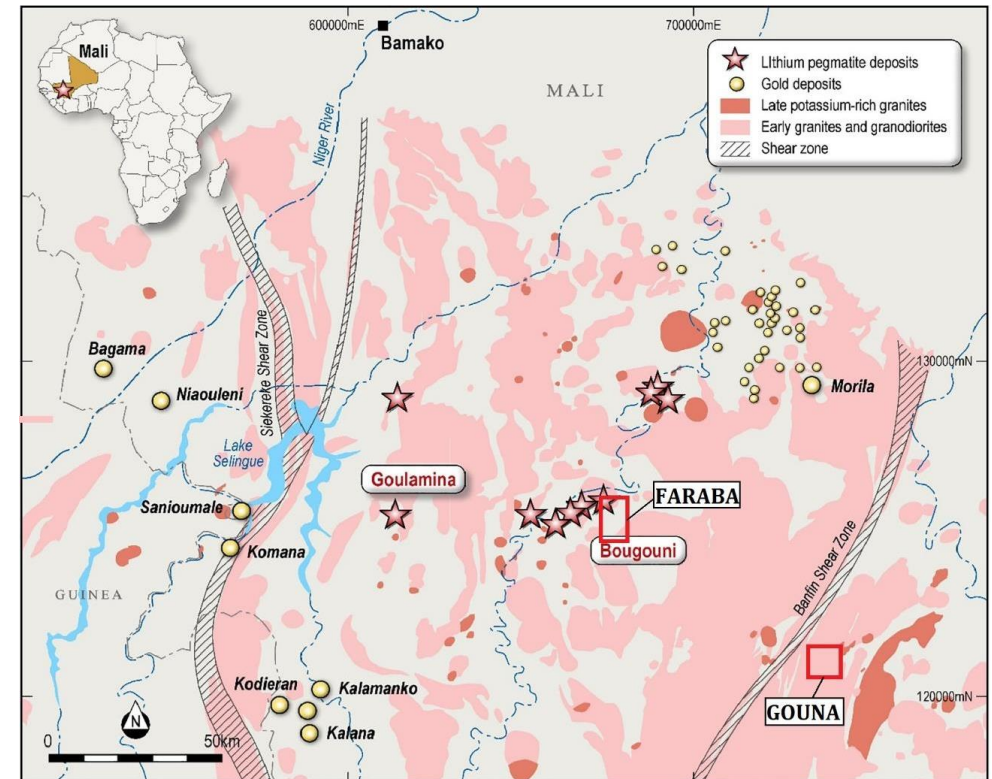
An experienced ASX company director with 20 years' experience in corporate, property and investment finance sectors.

# OUR PERMIT AREAS

**First Lithium owns 100% of 2 exploration permits in Mali, Faraba and Gouna, with a combined area of 17,500ha.**

- The Gouna permit is comprised of two main blocks, Gouna and Blakala (priority target), which are located approximately 50km south east of the Faraba permit
- Multiple spodumene bearing pegmatites have been identified across both permits with surface expressions of up to 500m in length
- Other lithium exploration companies in the area include Leo Lithium (ASX:LLL mkt cap: A\$600m, 45% ownership) and Kodal Minerals (LON.KOD mkt cap: £100m, 49% ownership)
- Mali has excellent transport and communications infrastructure as well as abundant availability of labour
- Well established mining industry with many multinational companies operating in-country
- Mali has a mild wet season, which is unlikely to impact exploration activity

## FIRST LITHIUM PROJECT LOCATIONS



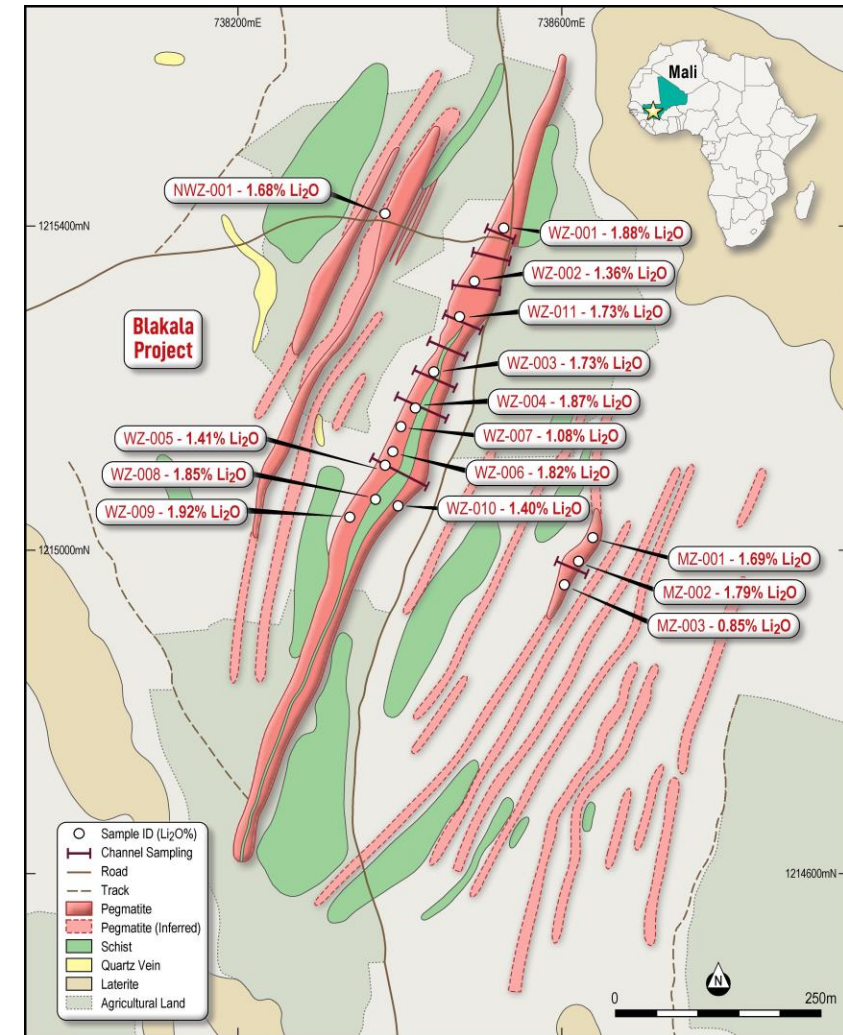


# MALI LITHIUM PROJECTS

# GOUNA PERMIT: BLAKALA PROSPECT

## BLAKALA PROSPECT

- Multiple pegmatites identified with surface expressions ~500m in length
- Earlier trenching confirms historic work that demonstrated spodumene concentrations >30% - with assays from 15 samples showing average  $\text{Li}_2\text{O}$  of 1.6%
- Aggressive diamond drill program; 1,560m+ drilled to-date – spodumene mineralized pegmatite in all 14 holes
- Assay results expected early December and bi-monthly thereafter.



# 14 HOLES COMPLETED AT BLAKALA – 1,560M+



Core drilling has been carried out up to a depth 90-130m.

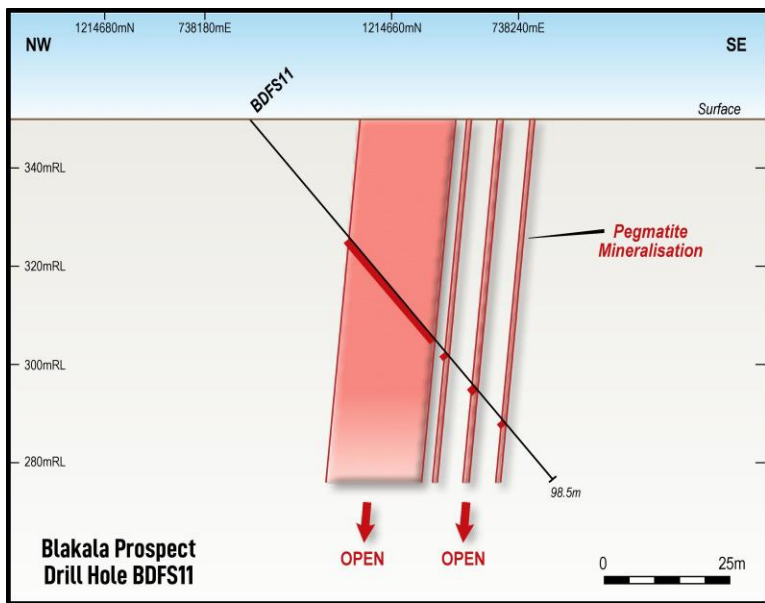
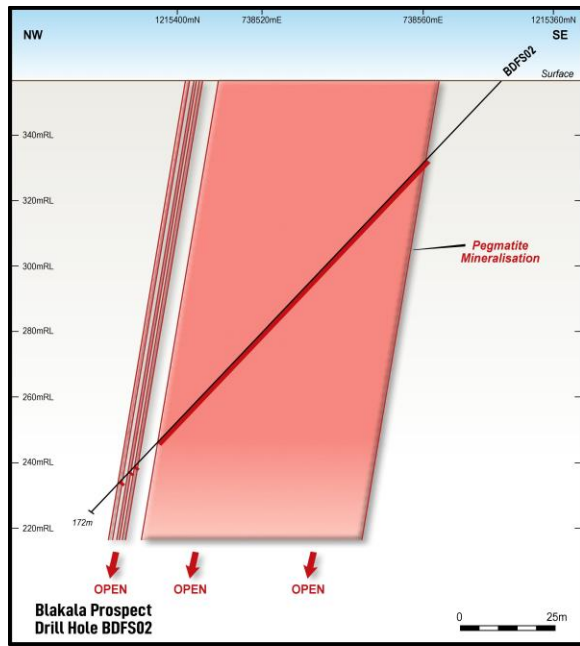
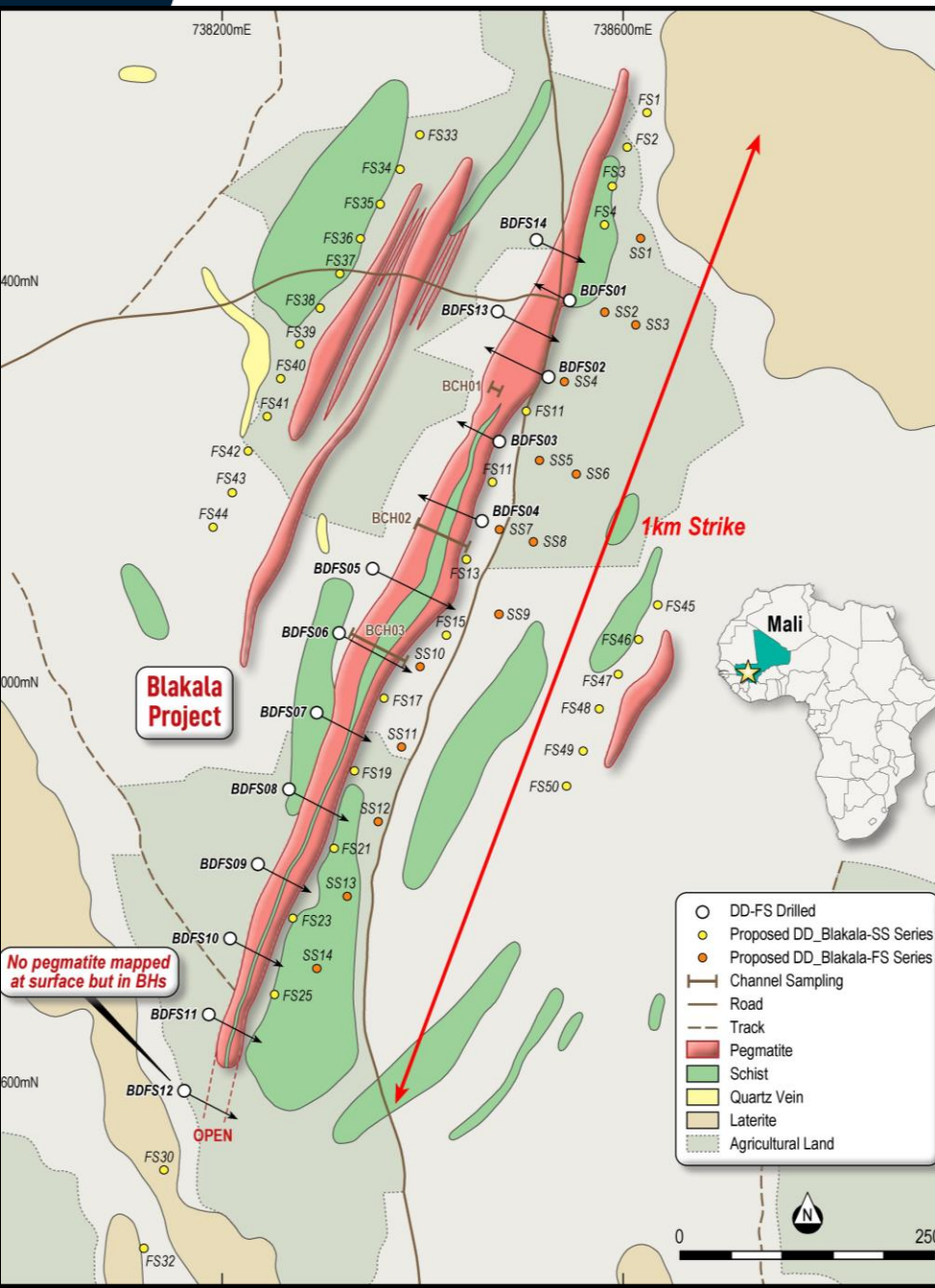
15th Borehole drilling is currently underway



Based on the core logging data geological sections have been prepared up to BDFS14.

BDFS01 – BDFS03 samples after core cutting have been submitted to SGS in Canada for Assaying



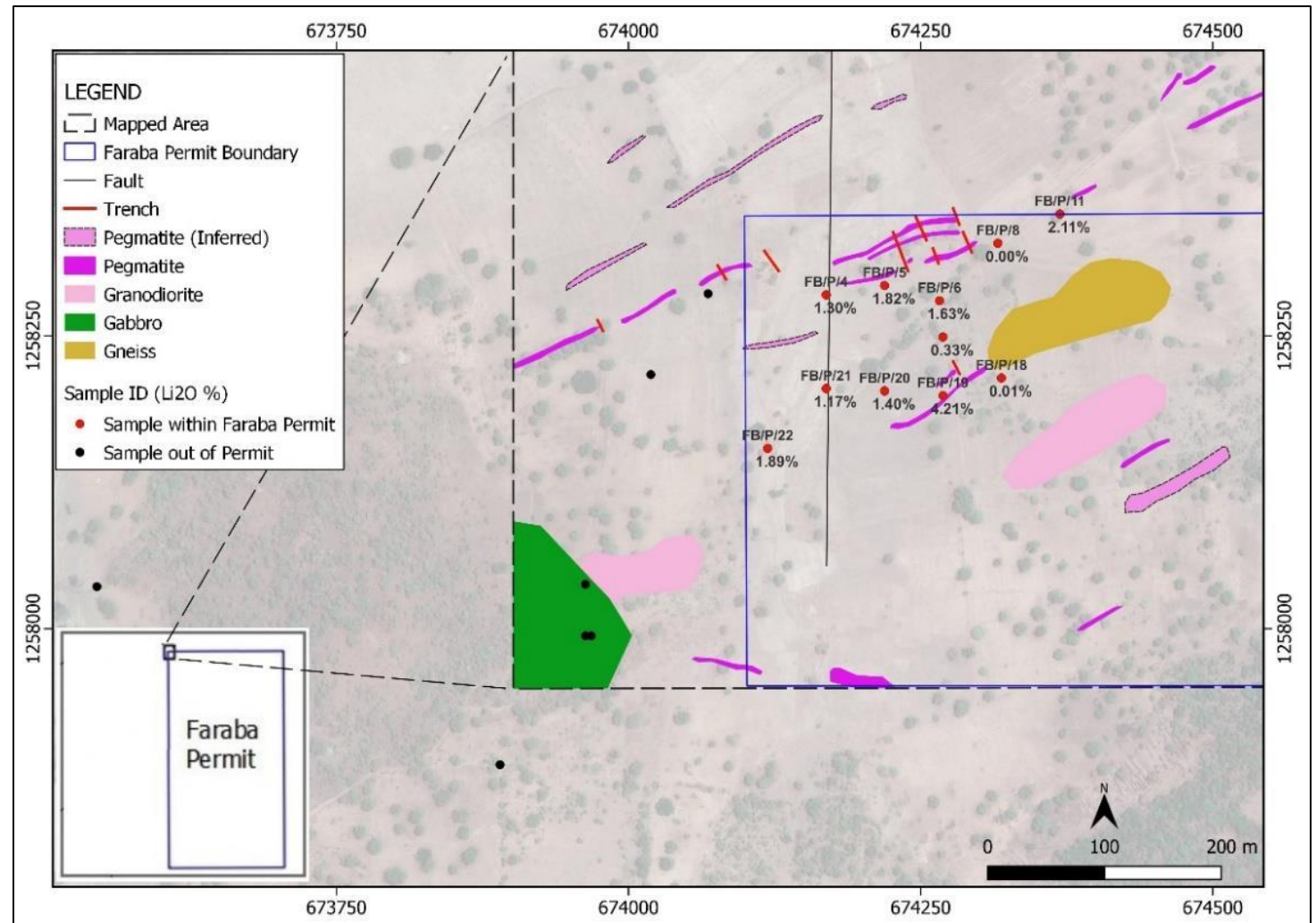


# BLAKALA DRILL PLAN AND BOREHOLE SECTIONS

# FARABA PERMIT: FARABA PROSPECT

## FARABA PROSPECT

- 10 assay samples averaging 1.58% Li<sub>2</sub>O
- Initial drilling undertaken with assays expected in September
- Pegmatite zone identified as having minimum strike length of 1.5kms comprising multiple pegmatite bodies with widths up to 7m
- Confirmatory results from twinning of historic Russian drilling expected within weeks





# DRILLING IN FARABA ONGOING – 350M+

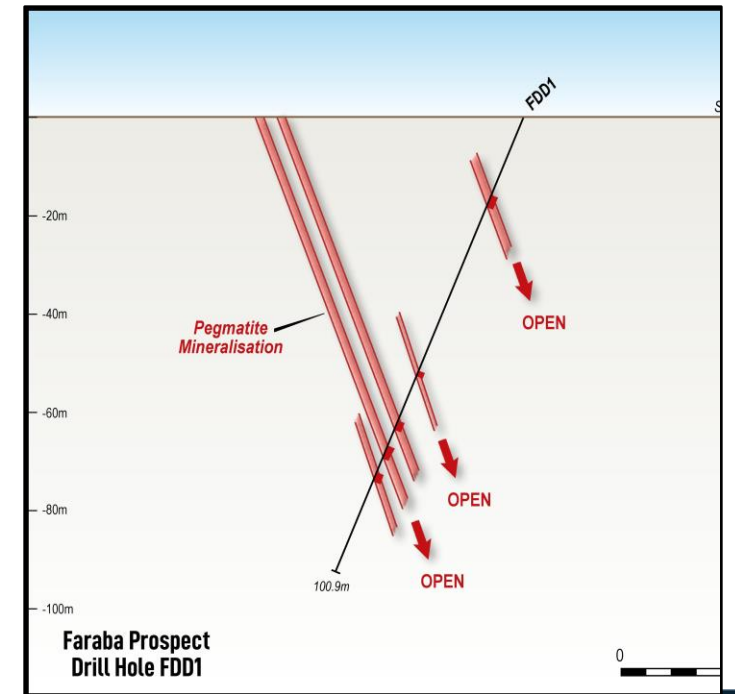
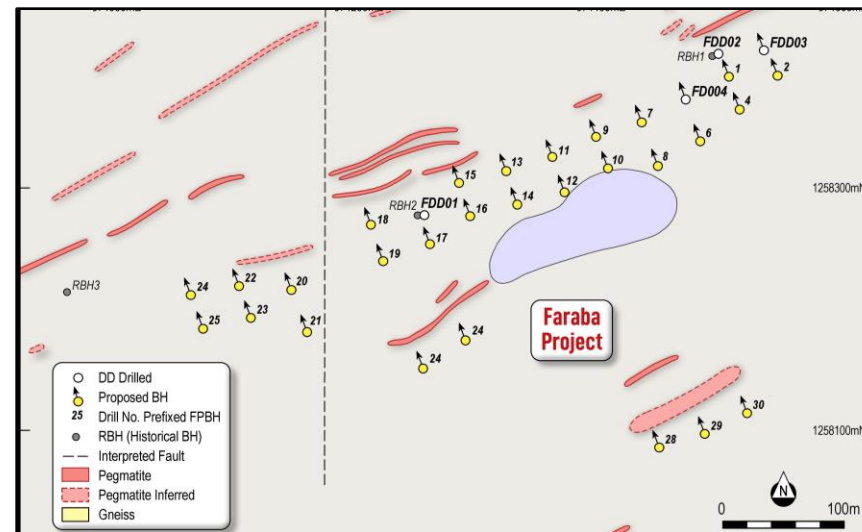
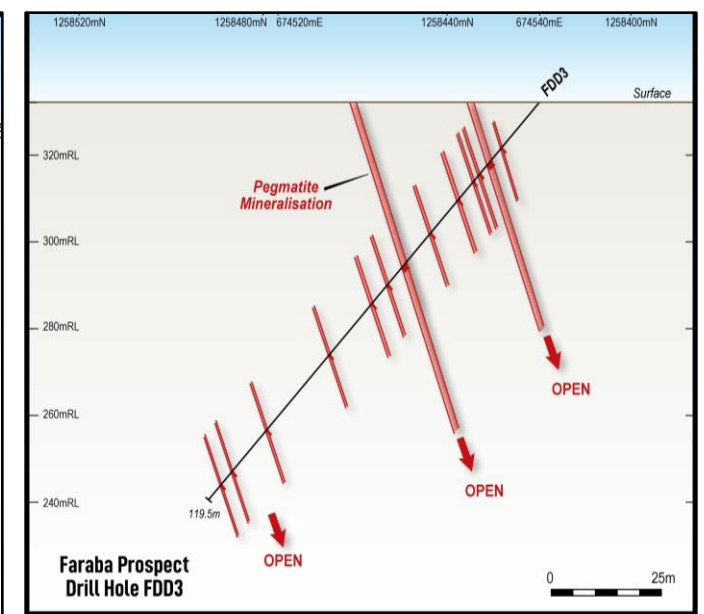
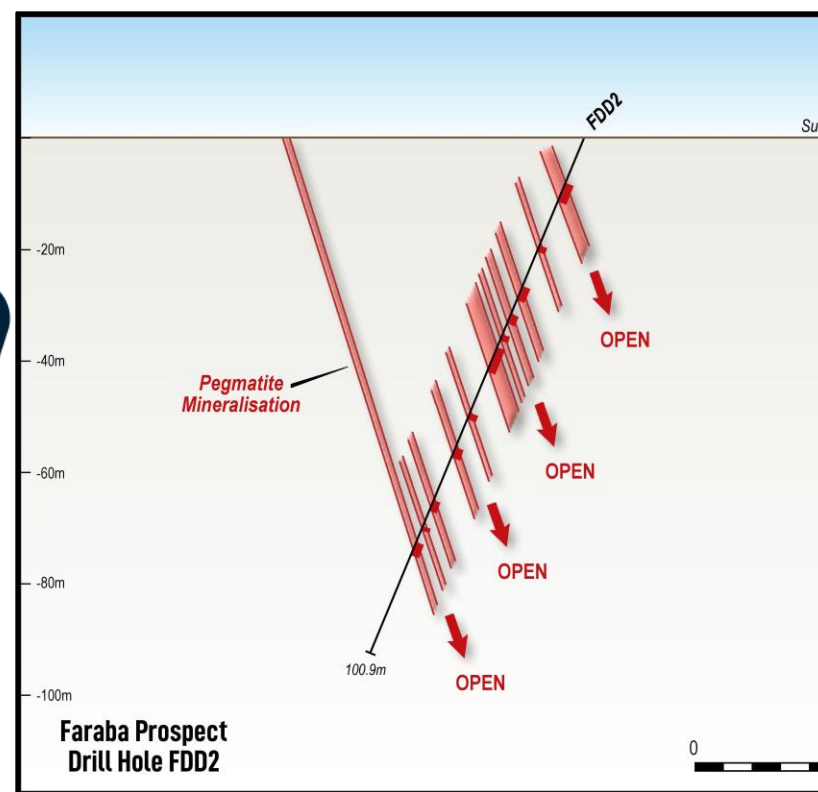


CORE DRILLING HAS BEEN CARRIED OUT UP TO A DEPTH 100M AND THE PRESENT TWIN BOREHOLE DRILLING HAS CONFIRMED SPODUMENE MINERALISATION EARLIER REPORTED BY RUSSIAN EXPLORATION AGENCY.

BASED ON THE CORE LOGGING DATA GEOLOGICAL SECTIONS HAVE BEEN PREPARED.

THE PEGMATITES FROM THE FIRST TWO HOLES WERE SAMPLED AND A TOTAL OF 34 SAMPLES INCLUDING 11 FROM FDD1 AND 24 FROM FDD2 WERE ANALYSED FOR LITHIUM.

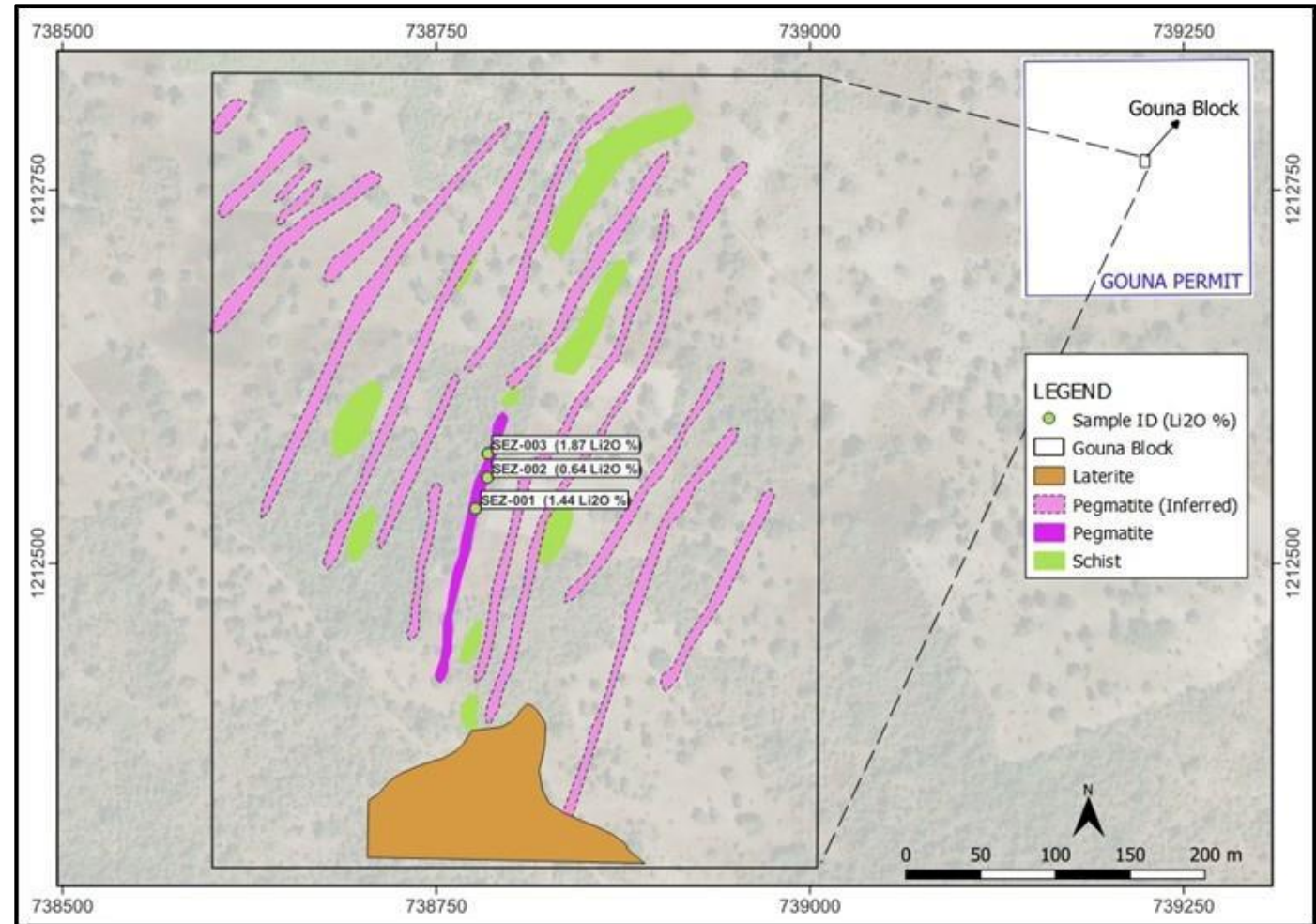
# FARABA DRILL PLAN AND BOREHOLE SECTIONS



# GOUNA PERMIT: GOUNA PROSPECT

## GOUNA PROSPECT

- Multiple pegmatite occurrences with slightly narrower widths than Blakala
- Pegmatites ~100m length in surface expression
- 1.3%  $\text{Li}_2\text{O}$  identified in assays from 3 samples
- 3,000m diamond drill program planned for 1H 2024



# CURRENT STATUS

Total of 18 drill holes completed

14 in Blakala Tier 1 pegmatite

4 in Faraba Tier 2 pegmatite

2 Diamond core rigs in place and 2 more to be mobilised before the end of the year

Currently drilling @ 50m per day – each rig, 24hrs a day

6,000m of drilling planned at Blakala

2,000m of drilling planned at Faraba



# ONFIELD TECHNICAL TEAM



Dr. P.V. Ramesh Babu (Chief Geologist) was awarded a doctorate on his research work on Rare Metal mineralisation in pegmatites, with a specialisation in geology and mineralogy of pegmatites. He has 38 years' experience in various capacities in planning and guiding Uranium, Rare Metal (Li, Be, Nb, Ta) and Rare Earth (REE, Y) mineral exploration in several geological domains in India.



Tirumaleswar Hegde (Chief of Operations) has more than 28 years of experience in mining industry in the fields of geology, mineral exploration, mineral resources estimation and evaluation, project management and mineral business development. Having working experience in different parts of the world and exclusively 8 years in African countries.



K.Y. Casimir has last worked with International Gold Fields (Kodak Minerals), Mali and Ivory Coast as a Senior Geologist & Director of Operations. He has about 17 years of experience as a field geologist with specialisation in study & exploration of metallic ore body.



Kobus Badenhorst, a Competent Person who is a Member of SACNASP and the South African Geological Society (GSSA), with over 25 years of experience in metallic and energy mineral exploration and development, and as such has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration 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 Badenhorst is the Managing Director of GeoActive Dynamic Geological Services.

# OUR TIMELINE

## Rapid Exploration to Production Program



**2017/18**

### RECONNAISSANCE

- Preliminary Studies
- Basic Pitting & trenching
- Sample analysis



**2021/22**

### PHASE I EXPLORATION

- Mapping (Pitting & Trenching)
- Preliminary Drilling
- Sample analysis
- Targeting a maiden JORC resource at Blakala
- Scoping Study



**2023/24**

### PHASE II EXPLORATION

- Geophysical studies
- Drilling & Topographical studies
- Sample analysis



**2024/25**

### ECONOMIC STUDIES

- Metallurgical testwork
- Feasibility studies
- Permitting

# REGIONAL LITHIUM COMPANIES

## Major Lithium Projects in Sikasso Region, Mali



- 295 sq kms permit area
- Total Resource – 211 MT @1.37%
- Market Cap of \$600m (45% ownership)
- Listed on ASX

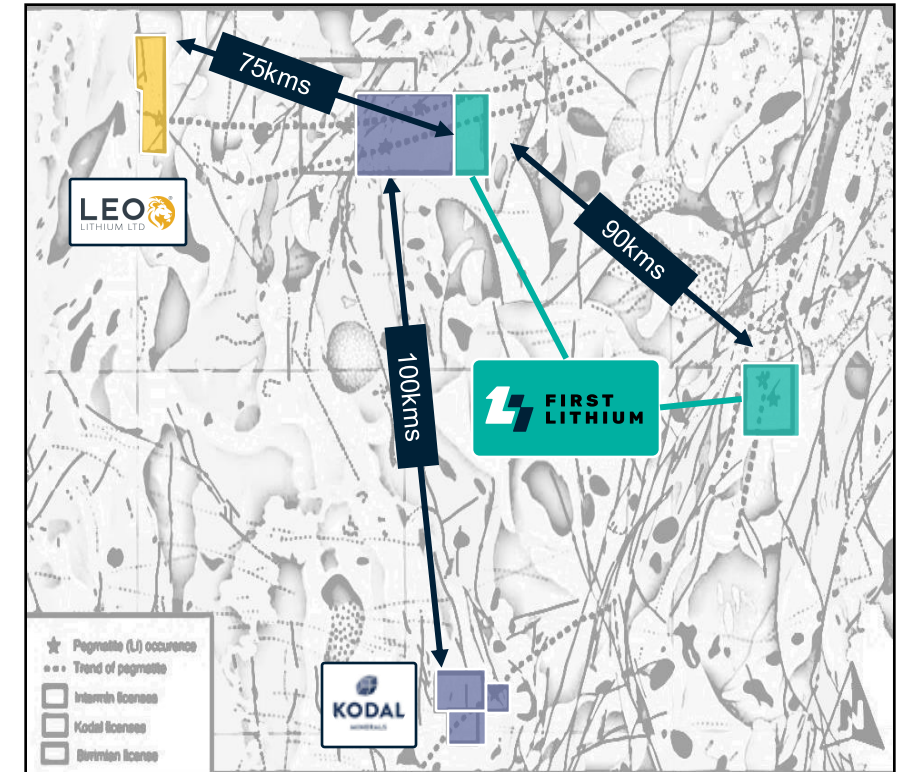


- 500 sq kms permit area across 5 licenses
- Total Resource – 21.3 MT@1.11%
- Market Cap of \$191m (49% ownership)
- Listed on AIM



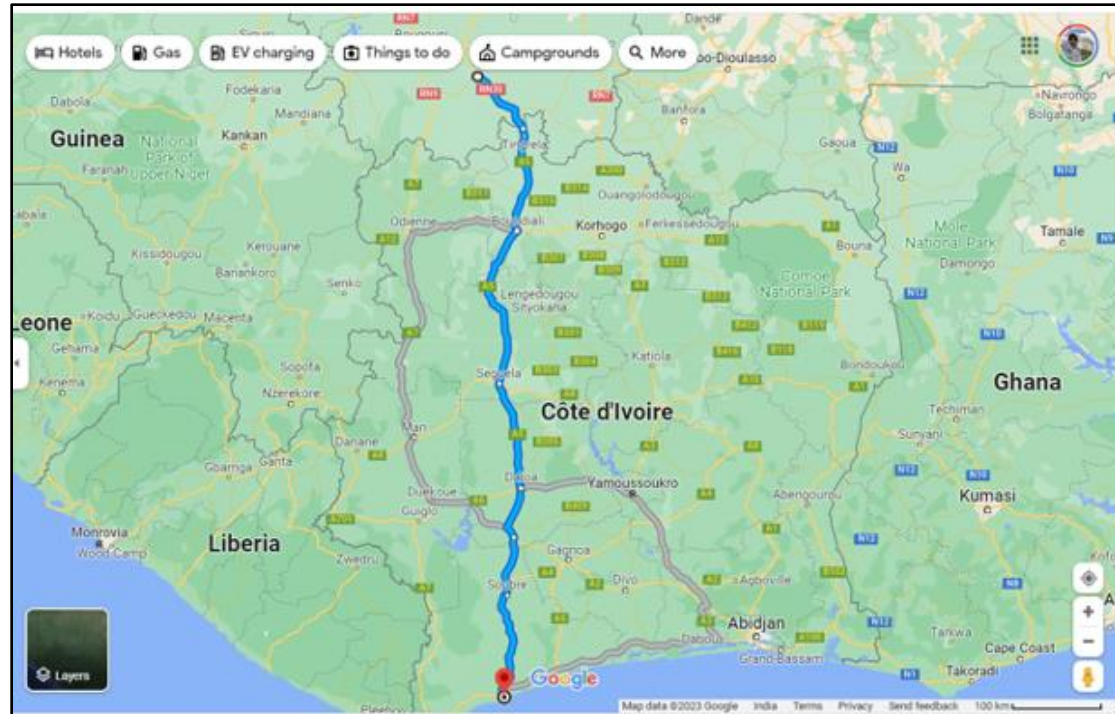
- 175 sq kms permit area across 2 Licenses
- (Exploration in progress)
- Market Cap at listing of \$19.81m (Sep 28<sup>th</sup>)
- Current Market Cap of \$64m at 65c

## GEOLOGICAL MAP OF LITHIUM PROJECTS IN MALI

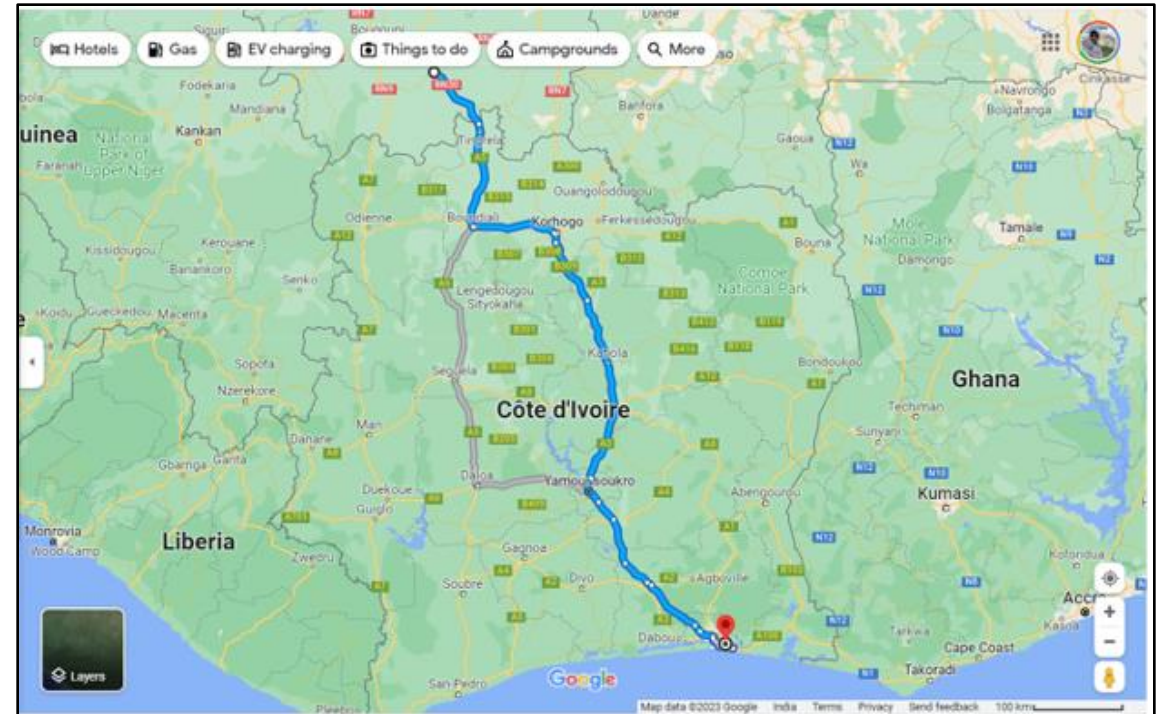


# MALI TRANSPORT ROUTES

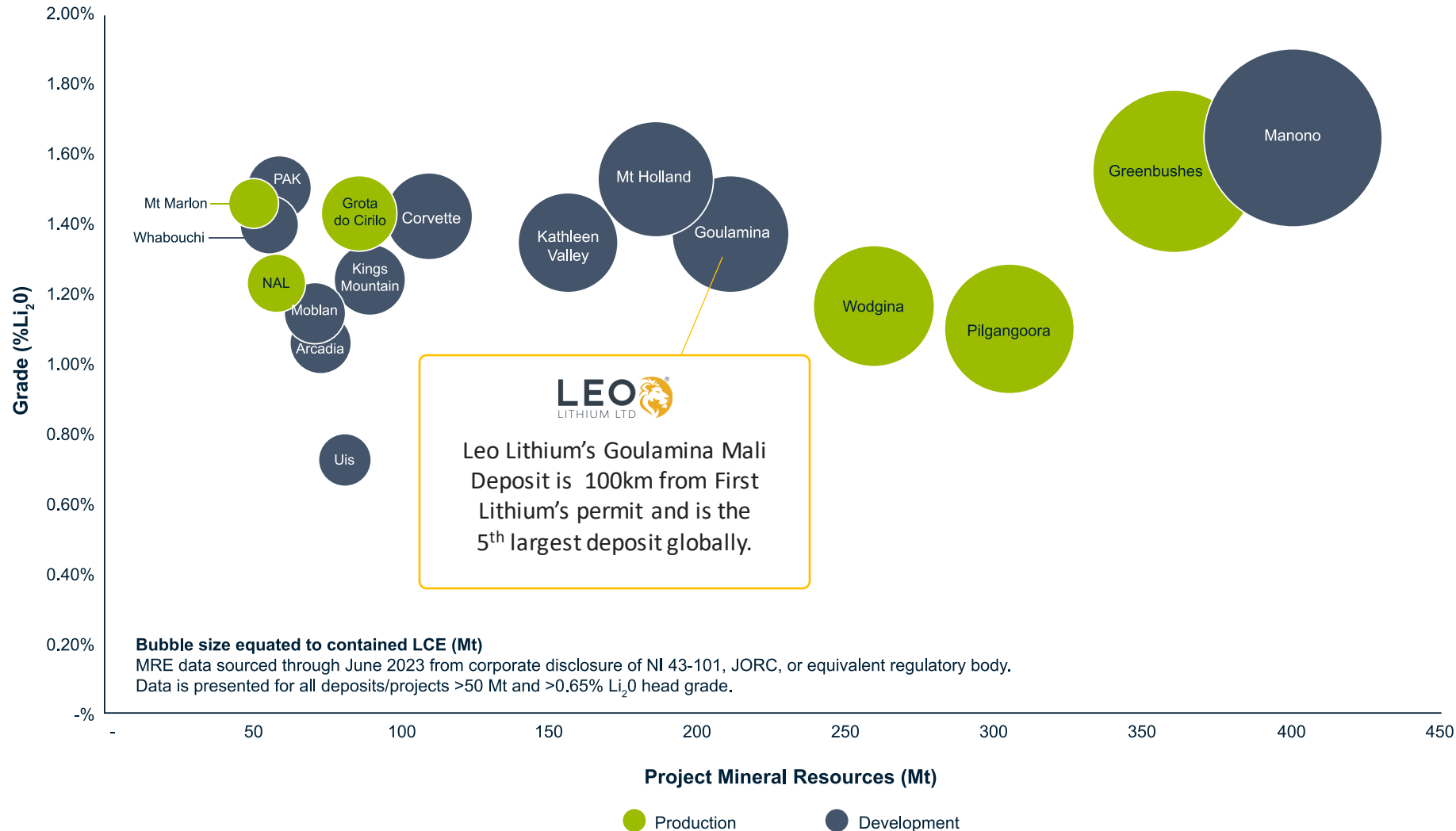
San Pedro Port in Ivory coast – 4 lane highway from Kolandieba in Mali (~800 kms)



Port-Bouët, Abidjan, Côte d'Ivoire – 4 Lane highway from Kolandeiba in Mali (~900 kms)



# GLOBAL LITHIUM PEGMATITE PROJECTS





# GLOBAL SUPPLY AND DEMAND

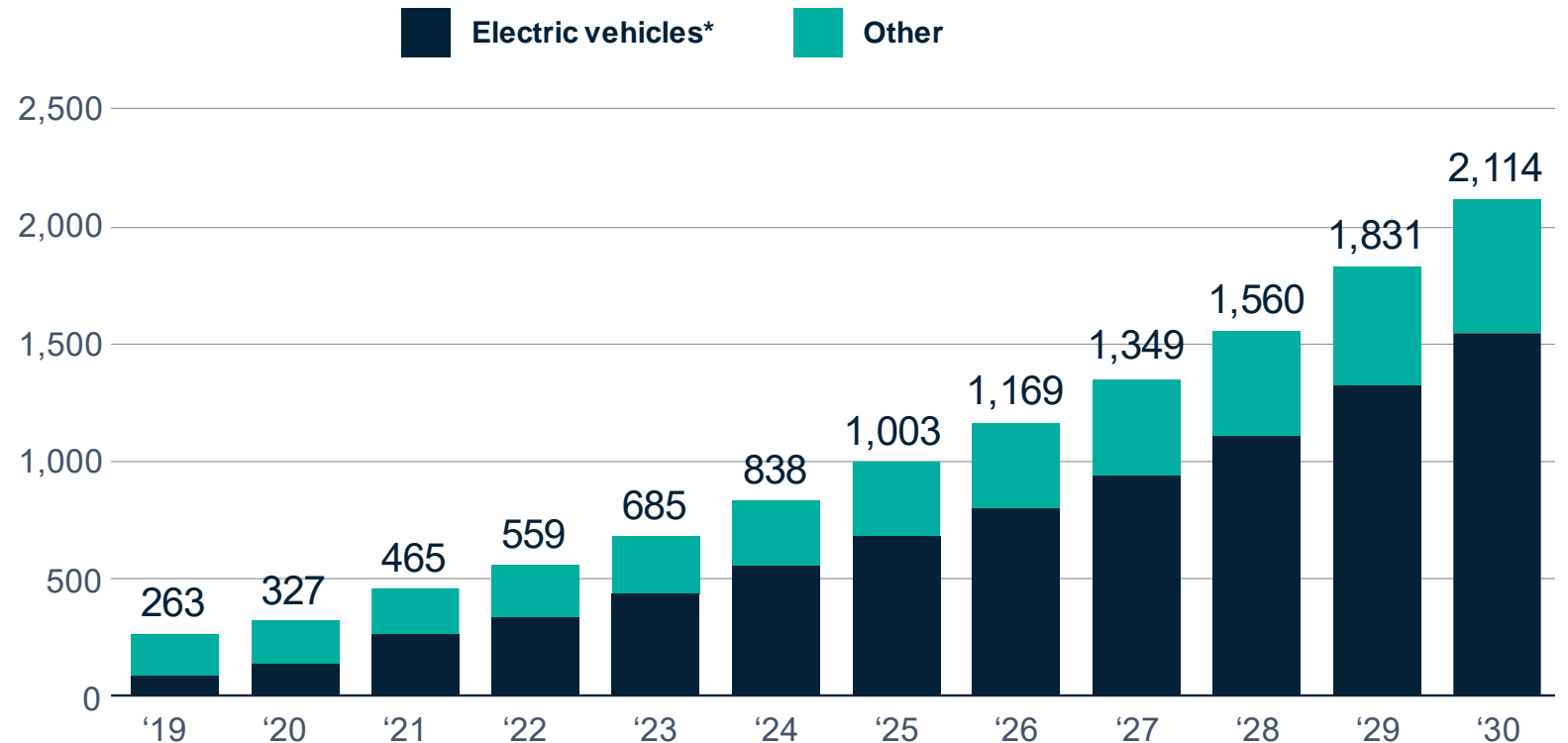
# LITHIUM DEMAND GROWTH



Global lithium demand will reach 989,000 tonnes of lithium carbon equivalent in 2023

above the 964,000 tonnes of production expected this year, the March-quarter report from Australia's Office of the Chief Economist (OCE) says

WORLDWIDE LITHIUM DEMAND FROM 2019 TO 2030, BY USE (IN 1,000 METRIC TONS OF LITHIUM CARBONATE EQUIVALENT)



Source: <https://www.statista.com/chart/28000/lithium-demand-forecast/>

# CATALYSTS FOR LITHIUM



To have 25 new electric models, and 25% of its sales to be plug-in electric vehicles by 2025



Plans to manufacture 1,500 electric cars per day at Zwickau Factory

GENERAL MOTORS

GM to ramp up Electric Vehicle Plans with 20 models over next 6 years



Building battery factory in Worclow, Poland



Building battery factories in Hungary & Austria



Specialist Lithium-Ion battery manufacturers, recently began operations in new factory in Ostrava, Czech Republic



To build Europe's largest Lithium-Ion battery Factory (US 4bn) in Sweden – ex-Tesla executives



Building a 2nd Gigafactory in Europe, reported to be in Czech Republic



Opened first section of what will be Europe's biggest lithium-ion battery factory in Karlstein, Bavaria & intend to launch their own extremely efficient cell by year-end



Plans to build Gigafactory in Germany with capacity of 34 GWh/year by 2028

# STRONG ESG PRINCIPLES

- ✓ **Intermin (Subsidiary of First Lithium in Mali) works closely with the local and broader Malian community in ensuring high levels of local participation in the projects.**
- ✓ **Intermin prioritizes consultation with local communities to ensure a harmonious and mutually beneficial working relationships.**
- ✓ **Intermin focuses on CSR activities which help the local communities, including infrastructure projects assistance**





# THANK YOU

## Contact

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