

# Lithium Project - Mali

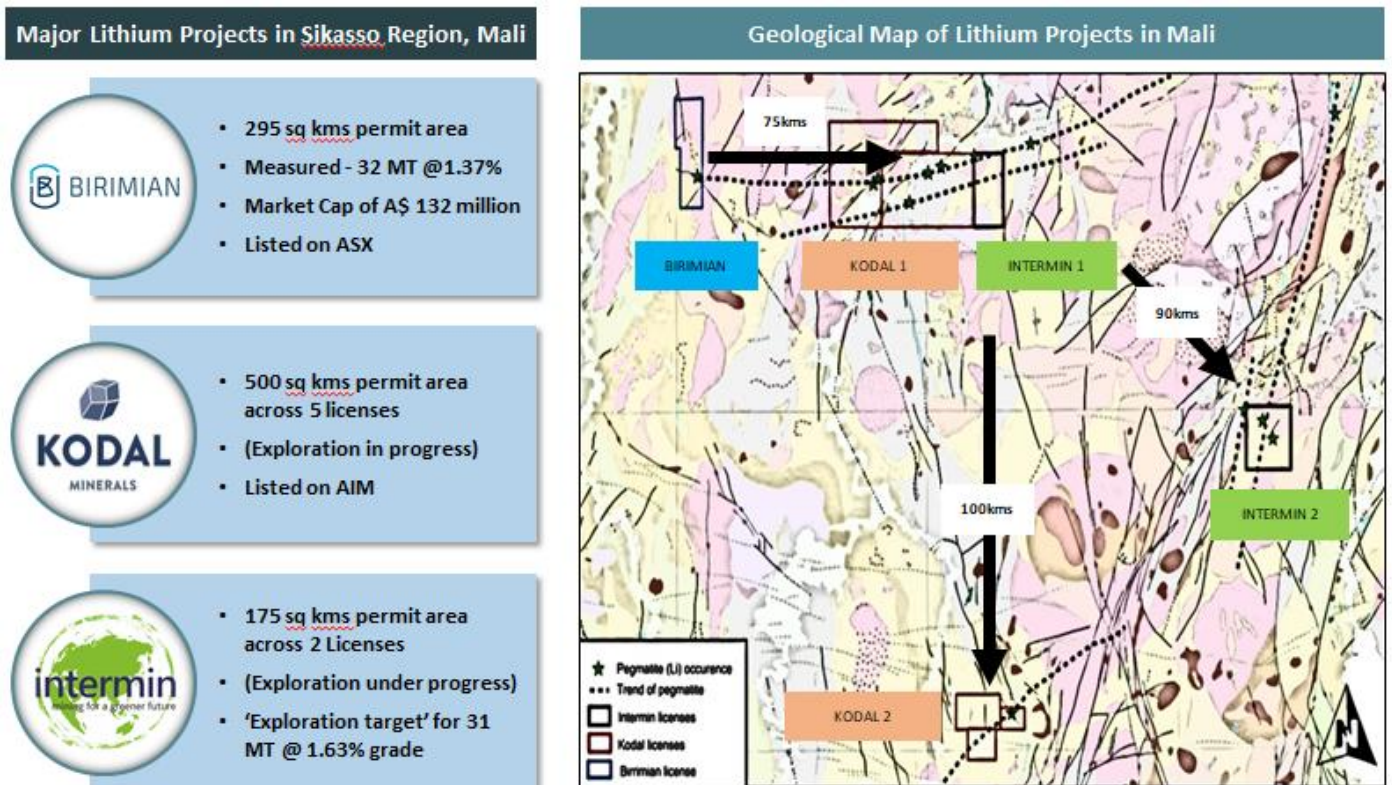
Intermin has acquired two world class Lithium mineral bearing permits in Faraba and Gouna with a combined area of 175 Sq Kms which comes in the Sikasso Region, about 200kms South-East of Mali Capitol ~ Bamako. They are well connected by National Highways RN7 & A5.

The neighbouring projects like Birimian – Goulamina Lithium Project reported JORC mineral resource of 32.9MT at 1.37%Li<sub>2</sub>O equivalent to 451,000 tonnes Li<sub>2</sub>O at 0.4% cutoff being listed on ASX and Kodal Minerals has 500 Sq Kms permit area across 5 licences are listed in the AIM (London Metal Exchange)

About the prospects:

Faraba prospect is named after the village "FARABA" where the Intermin Prospect is located, near Toula village on RN7, which is 10 kilometers from Bougouni town; the prospect has good accessibility to the National Highway RN7 which is connecting Sikaso town with capital city of Bamako. Intermin prospect is within a short distance of 1.5 kilometers from the National Highway RN7. River 'Baoule' is running on the NW corner of the prospect at a distance of 800mts, which will be crucial for ore beneficiation.

Gouna Prospect is located in the southern region of Mali belonging to Sikasso region. Blakala and Gouna blocks are part of GOUNA Permit, both prospects can be accessible through all weather bitumen roads through Bougouni town (RN7)



The area is dominantly covered by granite. The granite is grey, coarse grained, non-foliated and contains quartz, feldspar, biotite, opaques and epidote. Dark green, coarse grained, grano-diorite occur as massive bodies and also as dike within in pegmatite. Aplites and pegmatites are also seen in the area. Intensive soil and lateritization is developed. Granites and Pegmatites are also lateritized.

## History of around the Prospect area:

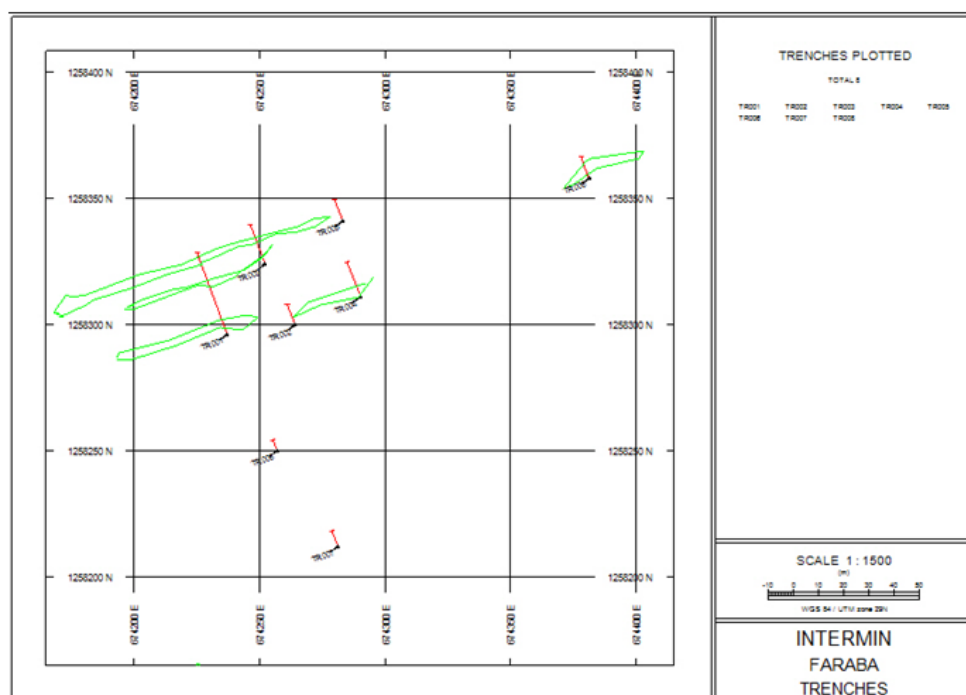
Russians have carried out extensive exploration activities in Bouguoni sector ( Sinsinkourou, Kola and Gouanala) in 1960's. The SONAREM reports indicate that the pegmatite of Bougouni zone (Ngoulamina, NGouanala, Sogola, Sinsinkourou) are assayed to contain lithium within Spodumene. The values are comprised between 1 to 2.2% Li<sub>2</sub>O.

In the prospect areas, the pegmatite occurs in the form of veins, which are parallel and sub parallel in nature with few centimeter to 7 meters in width. The pegmatites contain quartz, Microcline Feldspar, albite, Muscovite Mica, smoky quartz, spodumene and opaques. The Sinsinkourou pegmatite field near Bougouni stretches over 2 kms and are extending to a depth 200 mts as per the drilling report.

Intermin has implemented and accelerated exploration aiming at advancing the project into exploitation in the short timeframe towards which Pitting and Trenching work has been done.

A total of 31 pits (1mx1mx1m) were dug in the area where pegmatites are exposed on 50m x 50m interval as area is mostly soil covered. Some of the pits exposed pegmatites at depth. During pitting / mapping some more pegmatites were located.

Trenching in the area was carried out to establish the width of the ore body and its interrelationship with other parallel pegmatites. A total of eight (8) trenches were made perpendicular to the strike of the pegmatites with a cumulative length of 106.40m



Localization of the 8 trenches

## **Sample Results:**

### Analytical Data of Samples Point To High Lithium Potential

- Grab samples were collected from the surface of all the pegmatites exposed analyzed at Shiva Laboratories, India
- The average Li<sub>2</sub>O across all samples collected and assayed is 1.63%

### Blakala Block

- Main Pegmatites 1.08% to 1.92% Li<sub>2</sub>O with an average of 1.63% Li<sub>2</sub>O
- East zone Pegmatites 0.85% to 1.79% Li<sub>2</sub>O with an average of 1.44% Li<sub>2</sub>O
- West Zone Pegmatites was 1.68% Li<sub>2</sub>O

### Faraba Block

- Sinsinkourou Pegmatite 1.0% to 2.2% Li<sub>2</sub>O with an average of 1.63% Li<sub>2</sub>O

## **Future proposed work plan on permit:**

- Petrological studies and multi element analysis of Pegmatite ore body to understand the association of other mineral assemblages and gangue minerals.
- Trenching Operation: It is planned to undertake detailed trenching operation over the entire strike length of the pegmatite ore body to establish precise width and occurrences of additional parallel pegmatite ore bodies.
- Exploratory drilling: It is planned to undertake exploratory drilling by diamond drilling method to intersect the pegmatite ore body at 50mts, 100mts and 200mts depth.
- Resource Estimation: Based on the exploratory drilling data, ore body modelling will be carried and followed by Resource Estimation.
- Beneficiation Studies: A representative bulk sample of the spodumene bearing pegmatite ore sample will be submitted to reputed laboratory to carry out beneficiation studies, which is essential to understand the Process flow sheet, recoveries etc.,
- Feasibility studies
- Pilot Plant studies