

# Lithium Assets Overview

May 2022



**ORIGEN**  
**RESOURCES**

CSE: **ORGN**

OTCBB: **OGGNF**

FSE: **4VXA**

# Forward Looking Statement

Investors are cautioned that, except for statements of historical fact certain information contained in this document includes “forward looking information”, with respect to performance expectation for Origen Such forward looking statements or information, including but not limited to those with respect to its exploration projects, including the acquisition, prices, metallurgical results and resource estimates, involve known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward looking statements or information.

Forward-looking statements include without limitation, statements regarding the company’s plans, goal or objectives and future exploration results, development programs, capital and operating costs, potential mineralization, resources and reserves, and future plans of Origen Resources Inc Forward looking statements can generally be identified by the use of forward looking terminology such as “ may”, “ will”, “ expect”, “ intend”, “ estimate”, “anticipate” “believe”, or “continue” or the negative thereof or variations thereon or similar terminology There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements Important factors that could cause results to differ materially from expectations include risks associated with mineral exploration generally and pre development stage projects in particular

Regulatory bodies have not reviewed and do not accept responsibility for the adequacy or accuracy of this presentation Readers should verify any all claims and do their due diligence before investing in any securities mentioned Investing in securities is speculative and carries a high degree of risk

This presentation contains statistical and technical data that were obtained from government or other industry publications or publicly filed documents prepared by other reporting issuers Such reports generally indicate that they have obtained their information from sources believed to be reliable, but do not guarantee the accuracy and completeness of their information While Origen believes the data extracted, or derived from the aforementioned sources to be reliable, market and industry data is subject to variations and cannot be verified due to limits on the availability and reliability of underlying data inputs, the nature of the data collection process and certain limitations and uncertainties inherent in any market as well as the inexact nature of geologic sciences

The scientific and technical disclosure in this presentation has been supervised and approved by J Harrop P Geo a Qualified Person as defined under NI 43 101

# Team Expertise and Credibility

- Petra Gold Servicios Minerals and Coast Mountain Group have been exploring and developing lithium projects in Argentina for over 13 years
- Petra Gold and Coast Mountain Group combined efforts to develop the Mariana Lithium Brine Project through to construction for Ganfeng Lithium of China
- Coast Mountain Group has been on the leading edge of lithium exploration technology through its participation in Greenpeg, part of the EU funded Horizon 2020 research programme mandated to commercialize its results and products.
- Through its experience developing Ganfeng's Avalonia Lithium Pegmatite Project in Ireland, Coast Mountain Group identified a 450 km regional scale lithium belt in Newfoundland for Origen.
- Ganfeng Lithium is a world leader in the supply of lithium products and owns an 4.3% equity interest in Origen Resources





**ORIGEN**  
RESOURCES



**LOS SAPITOS LITHIUM PROJECT**

**ORIGEN RESOURCES**

BOLIVIA

BRAZIL

**SOUTH AMERICA'S LITHIUM TRIANGLE**

Estimated to host 54% of global lithium resources

PARAGUAY

URUGUAY

ARGENTINA

CHILE

Santiago

Buenos Aires

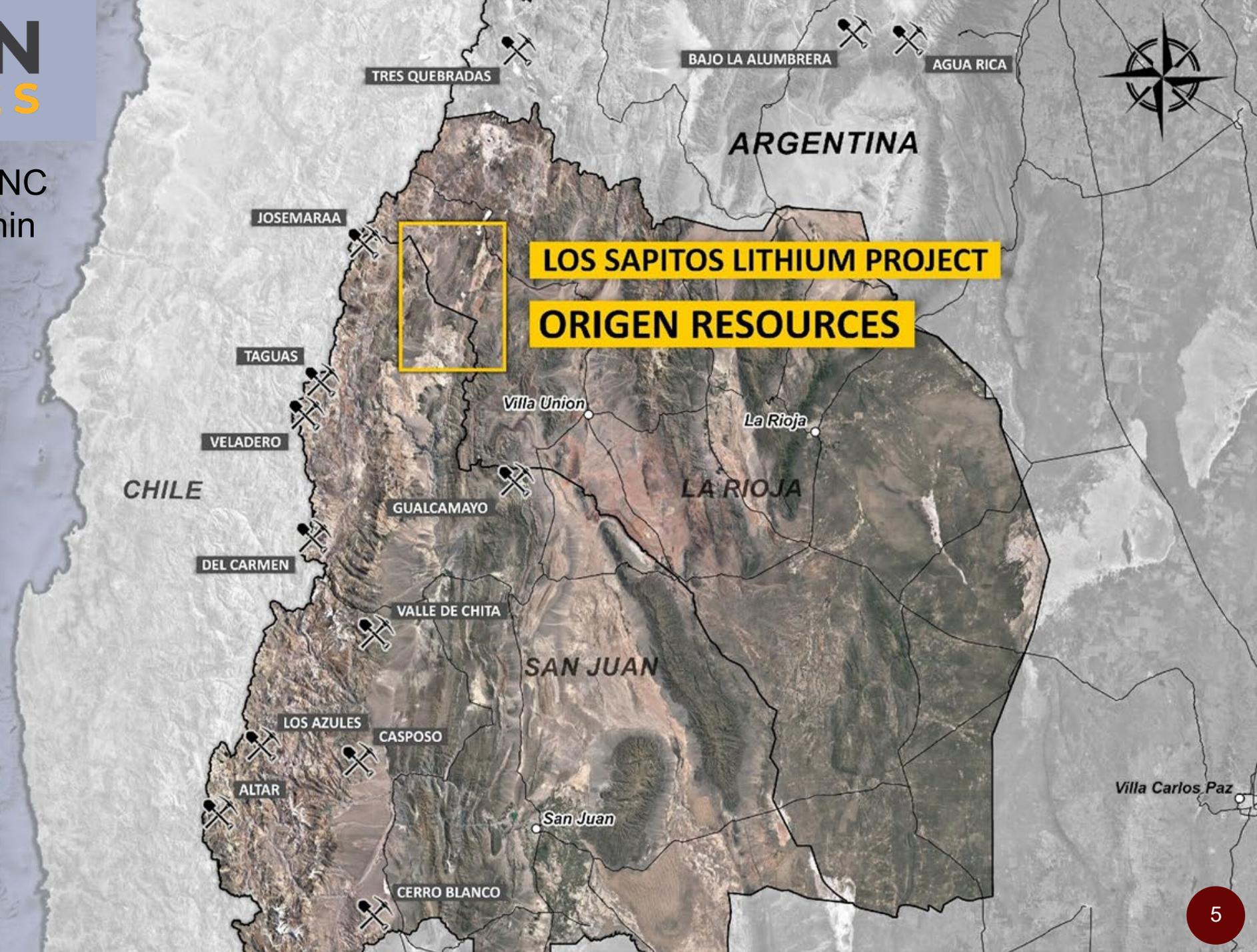
Montevideo

SAN JUAN  
LA RIOJA

- Origen's team has identified a new highly prospective Lithium belt in the provinces of San Juan & La Rioja, Argentina.
- The geological environment and geochemistry have a similar signature to the salars mined and explored in the "Lithium triangle"
- The Los Sapitos project covers an area of over 48,000 hectares at an elevation of 3400 meters above sea level and is located in a mining experienced region of San Juan and La Rioja Provinces.
- Access to the Property is by paved road to Guandacol village in La Rioja province; then some 127 km to the northwest by a well maintained gravel road.

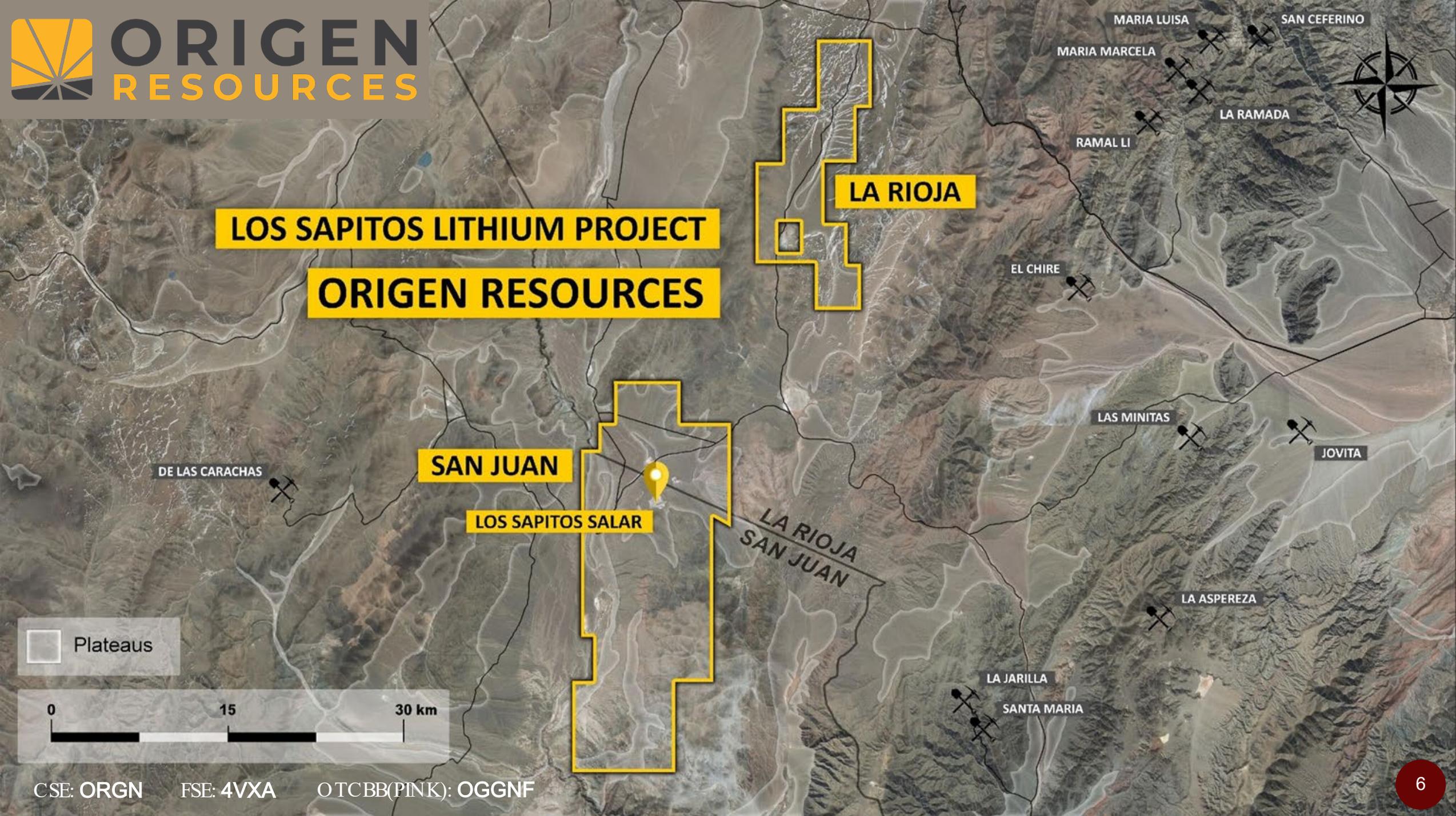
ORIGEN RESOURCES INC  
Prospective Holdings within  
the New Lithium Belt

- 6,900 hectares under option
- Approximately 20,000 hectares applied for and exploration rights granted in San Juan Province
- Approximately 21,000 hectares applied for and exploration rights granted in La Rioja province



**LOS SAPITOS LITHIUM PROJECT**

**ORIGEN RESOURCES**



DE LAS CARACHAS

SAN JUAN

LOS SAPITOS SALAR

LA RIOJA  
SAN JUAN

LA RIOJA

MARIA LUISA  
SAN CEFERINO  
MARIA MARCELA  
LA RAMADA  
RAMAL LI

EL CHIRE

LAS MINITAS

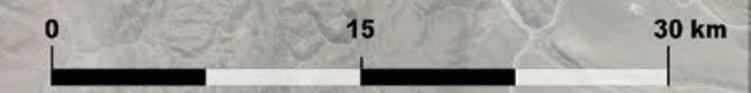
JOVITA

LA ASPEREZA

LA JARILLA

SANTA MARIA

Plateaus



# Lithium Targets

## Concentrated Lithium Brines

- Within geological traps - analogous to Clayton Valley, Nevada
- Aquifers within closed or semi-closed basins – analogous to Argentina's' Lithium Triangle

## Clay Hosted Lithium

- Associated hot springs
- Prospective strata sampling
- Geochemical / geological traps

Red clays and loam  
Sample of the Brine assayed 390 mg/l-Li



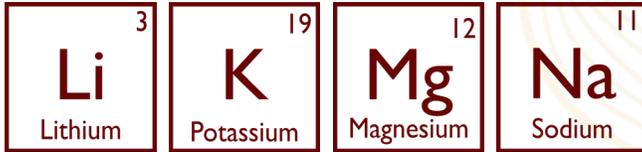


The deposition of *ulexite* is closely related to conditions that concentrate *lithium* in brines and is a strong prospectivity indicator *lithium brines*. Ulexite is widespread over the project area.



# Conclusion

This is a New Bonafide Lithium Exploration Region



The geochemical values of Li, K, Mg, Na and chlorides found to date are similar to the mean values found in other salt flats of the Puna.



The highest lithium value (391 mg/L) is correlates with high clay and silt fraction sediments.



There is geothermal activity present throughout the property similar to many producing Salars in the Lithium Triangle



Environmental conditions (<100 mm of annual precipitation), intense evaporation and high topographic elevation (3400 masl), are conducive to the concentration of brines in endorheic basins.



The presence of ulexite indicates the circulation of potentially *lithium* bearing fluids. It is strong prospectivity indicator for Li in brines and is found in several locations within the project area

FSE: 4VXA

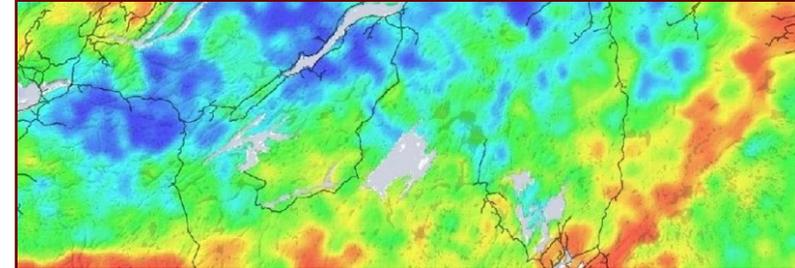
CSE.ORG.N

OTCBB(PINK): OGGNF

# What's Next?



Geochemical analysis of clays and brines



Geophysics to characterize basins and traps



Mapping and hydrogeological surveys



Drilling

# Newfoundland

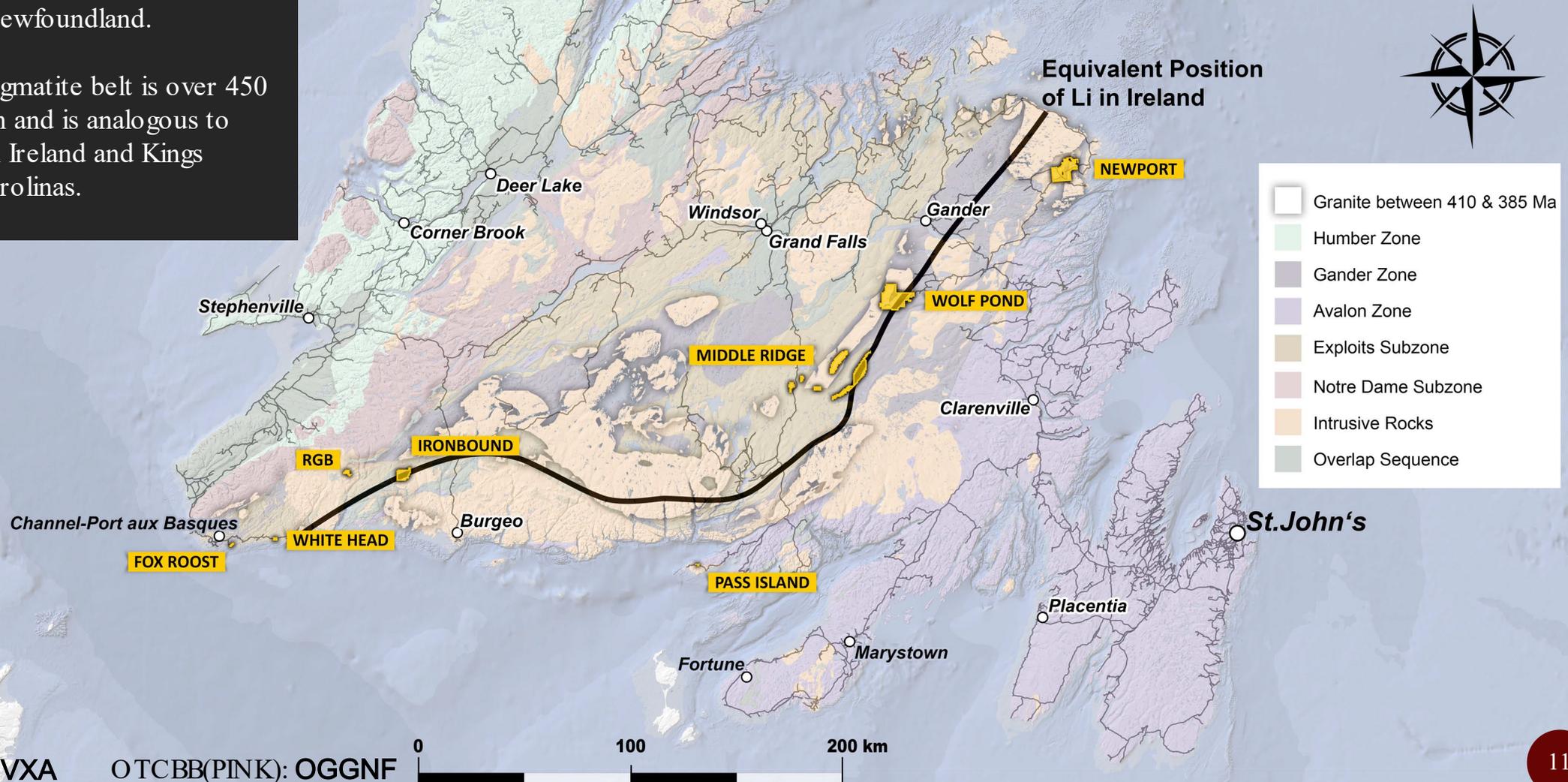
## A New Lithium Frontier

Origen holds claims that cover over 37,000 hectares of a prospective lithium bearing pegmatite belt in Newfoundland.

Newfoundland's pegmatite belt is over 450 kilometers in length and is analogous to the Avalonia belt in Ireland and Kings Mountain in the Carolinas.

Origen has identified over 12 Lithium-Caesium-Tantalum pegmatite targets within the belt.

Similar to the Irish Lithium Belt, the Newfoundland Belt appears to have numerous showings and prospects, potentially hosting something as significant as Kings Mountain.



# Why Newfoundland?

- Same tectonic position as the Avalonia Project being explored by Ganfeng Lithium Corp.
- Large silt and till database that includes lithium path finder elements such as caesium, tantalum, and lithium.
- Numerous pegmatites with beryl mapped in the 1960's with no modern day follow up to looking for lithium.
- Similar age granite as Avalonia and Kings Mountain projects (generated through same tectonic event).
- Good infrastructure with the benefit of few inhabitants unlike Ireland or the Carolinas.
- Streamlined mineral tenure acquisition framework.
- Mining friendly jurisdiction close to tide water access.



# How Lithium Pegmatites Were Formed



- We know that the earth is made up of large continental plates which are either spreading apart from each other or colliding.
- The pegmatites we see in Ireland, Nova Scotia, North Carolina and Newfoundland were formed by the collision of three plates that created a collision zone where granites were formed.
- These collision zones contain lithium rich pegmatites.
- This occurred between 410 MA and 380 MA.
- The large continent began to split up approximately 175 Ma to the geography we see today.



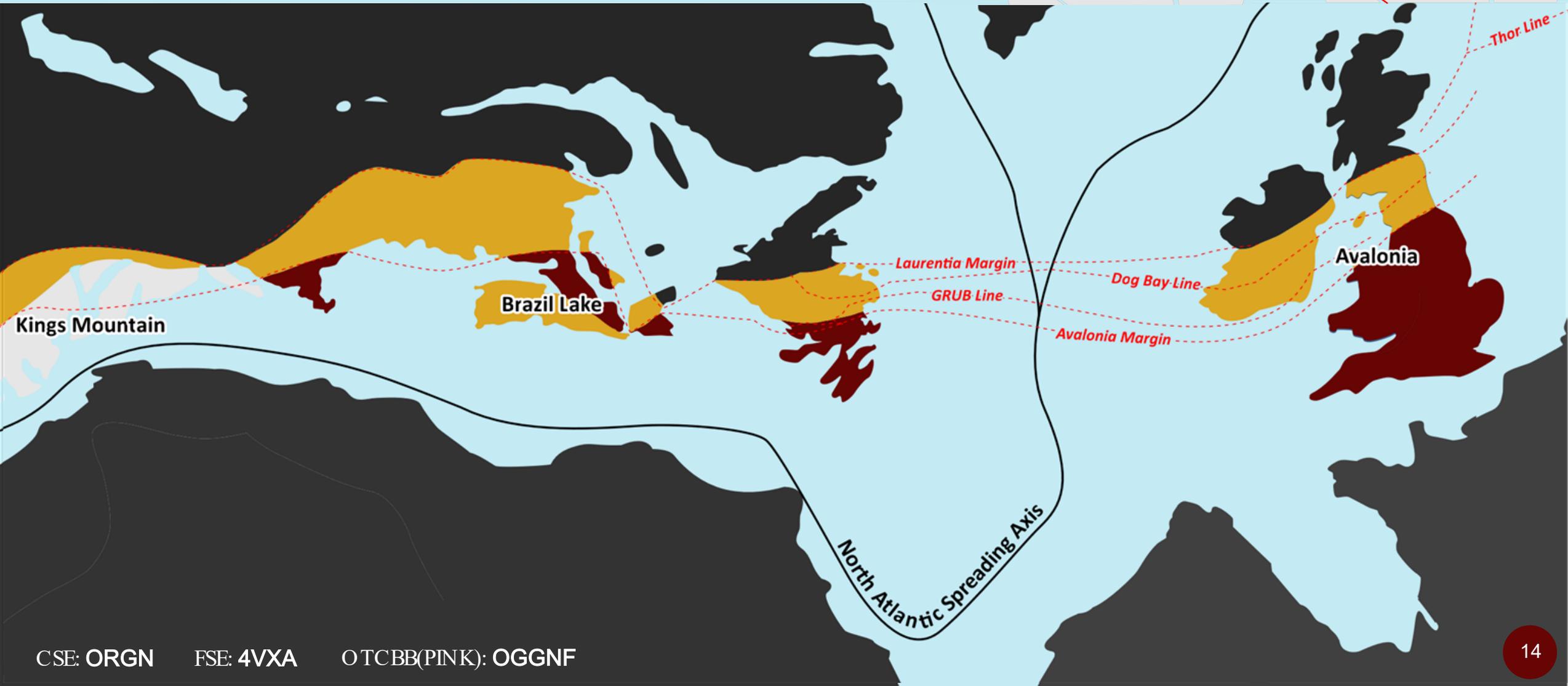
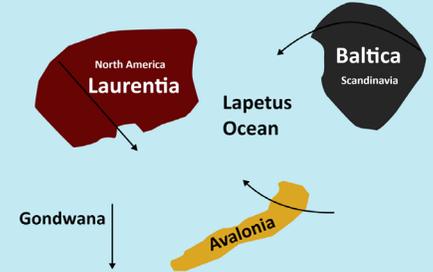
Lapetus Closing to form Laurussia (>420 Ma)

Laurussia (395 Ma check)

Laurussia forms (410 to 380 Ma)

Laurussia joins Pangea (335 to 175 Ma)

Laurussia joins Pangea (335 to 175 Ma)



# What We See Today

- The collision zone today extends from Northern Scotland to the Carolinas in the USA.
- Some of the notable lithium pegmatite occurrences within this collision zone are Kings Mountain, Piedmont Lithium, Brazil Lake, and Avalonia.



# Exploration Plan



Origen has acquired twelve priority target areas to date.

An initial budget of \$1,000,000 for 2022 Program is proposed and will allow us to stake or purchase additional targeted land and complete our first pass field assessment of each target.

Field work will consist of sampling, mapping and prospecting to prove our exploration and acquisition concept.

Subsequent work will involve target definition and drill testing of the highest priority targets.

# Management & Share structure

● **Gary Schellenberg**

*CEO & Director*

● **Blake Morgan**

*President & Director*

● **Geoff Schellenberg**

*Director*

● **Garry Stock**

*Director*

**Shares Outstanding: 35,949,154**

## Options:

\$0.15 Exercise Price 1,725,000

\$0.23 Exercise Price 1,525,000

\$0.29 Exercise Price 325,000

## Warrants:

**Fully Diluted 39,524,154**



# ORIGEN RESOURCES

Phone: 604.681.0221

Email: [info@origenresources.com](mailto:info@origenresources.com)

Suite 488 – 625 Howe Street  
Vancouver, British Columbia  
Canada, V6C 2T6

CSE: **ORGN**

OTCBB (pink): **OGGNF**

FSE: **4VXA**