

Lithium Assets Overview
November 2022



ORIGEN
RESOURCES

CSE: **ORGN** OTCBB: **OGGNF** FSE: **4VXA**

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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.





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LOS SAPITOS LITHIUM PROJECT

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BOLIVIA

BRAZIL

SOUTH AMERICA'S LITHIUM TRIANGLE

Estimated to host 54% of global lithium resources

PARAGUAY

URUGUAY

ARGENTINA

CHILE

Santiago

Buenos Aires

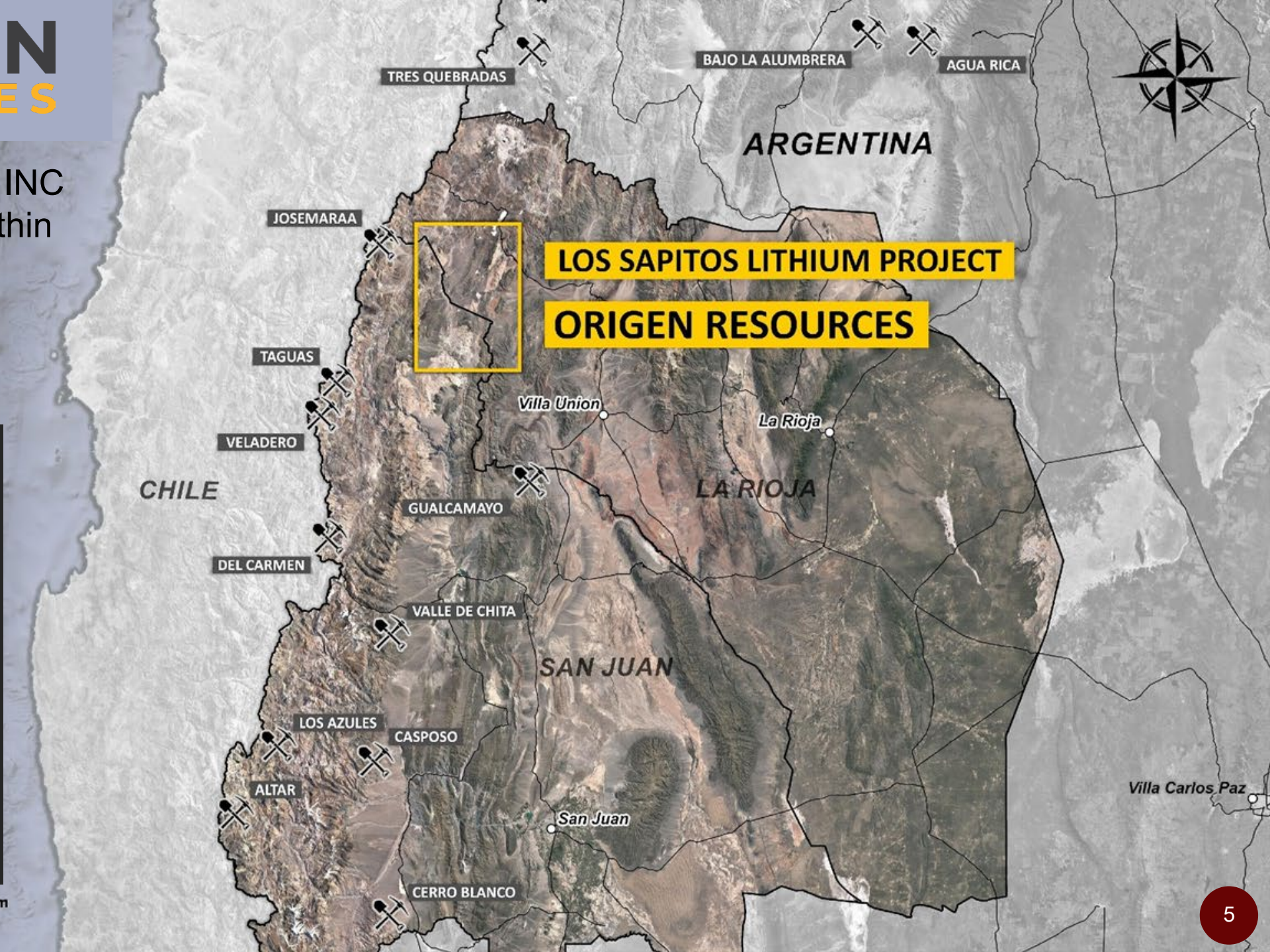
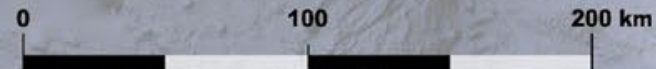
Montevideo

LA RIOJA
SAN JUAN

- 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.

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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 in La Rioja province.
- Exploration results to date have resulted in the application for an additional 28,000 hectares in La Rioja province



Los Sapitos Project

0 10 20 km

- Claims currently granted along 70 kilometre long prospective belt

Targets:

1. Brine
2. Hot Springs
3. Structural traps
4. Lithium rich clays

- Evaluated and ground truthed multiple sites in Spring 2022
- Results confirmed potential for the targets and prompted further review and acquisition



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Signatures

- ★ Clay
- ★ Evaporite

Los Sapos Project

0 10 20 km

- New targets identified using satellite band ratios to locate evaporite and clay signatures
- NNE structural features show potential for half-grabens
- Support from hot springs and volcanics for Clayton Valley (Nevada) type scenarios

Signatures

- ★ Clay
- ★ Evaporite

Los Sapos Project

0 10 20 km

New La Rioja Applications

- Over 28,000 ha of new cateo applications
- Introducing methods for next generation lithium target identification
- Potential for rapid, large area evaluation using geophysics airborne hyperspectral surveys and multispectral satellite imaging
- Geochemical tools and experience for evaluating potential of brine and clay mineralization

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

2022 program sampled **12 target areas** resulting in the identification of an additional **28,000 hectares** of prospective ground in La Rioja Province

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.

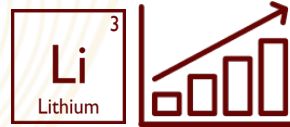


Conclusion

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

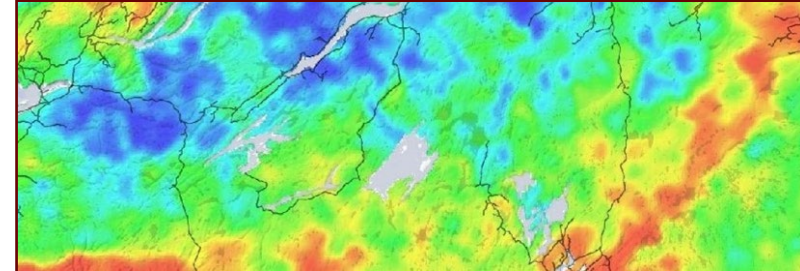
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OTCBB(PINK): OGGNF

What's Next?



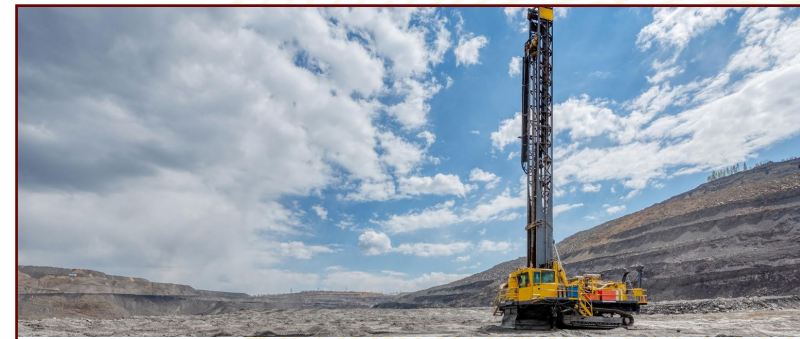
Geochemical analysis of clays and brines



Geophysics to characterize basins and traps



Mapping and hydrogeological surveys



Drilling

Management & Share structure

● **Gary Schellenberg**

CEO & Director

● **Blake Morgan**

President & Director

● **Geoff Schellenberg**

Director

● **Garry Stock**

Director

Shares Outstanding: 37,763,654

Options:

\$0.15 Exercise Price 1,725,000

\$0.23 Exercise Price 1,525,000

\$0.29 Exercise Price 325,000

Warrants: \$0.50 Expiring (Jul. 2024) 800,000

Fully Diluted 41,338,654



ORIGEN RESOURCES

Phone: 604.681.0221

Email: info@origenresources.com

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

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