



# Energy from Experience

June 2018



GROSSO GROUP MEMBER COMPANY

[www.argentinalithium.com](http://www.argentinalithium.com)

OTC: PNXLF

TSX-V: LIT

FSE:OAY2



# Forward Looking Statements

This Presentation contains “forward-looking statements” within the meaning of Canadian securities legislation. Such forward-looking statements concern the Company’s anticipated results and developments in the Company’s operations in future periods, plans related to its business and other matters that may occur in the future. Actual results in each case could differ materially from those currently anticipated in such statements.

The information provided in this presentation is not intended to be a comprehensive review of all matters and developments concerning the Company. It should be read in conjunction with all other disclosure documents of the Company. The information contained herein is not a substitute for detailed investigation or analysis. No securities commission or regulatory authority has reviewed the accuracy or adequacy of the information presented. The Company undertakes no obligation to publicly update or revise any forward-looking statements other than as required under applicable law.

We advise U.S. investors that the SEC's mining guidelines strictly prohibit information of this type in documents filed with the SEC. U.S. investors are cautioned that mineral deposits on adjacent properties are not indicative of mineral deposits on our properties.

Lithium deposits and resources owned by other companies referred to in this presentation have not been independently verified by the Corporation and information regarding these deposits are drawn from publicly available information. There is no certainty that further exploration of the Corporation's uranium targets will result in the delineation of a similar mineral resources.

# Exploring the Prolific “Lithium Triangle”



## People

Best in class management and technical team with proven success in prospect development in Argentina

## Location

+60k hectares of highly prospective Lithium properties situated in the middle of the Lithium Triangle in Argentina

## Infrastructure

Close proximity to Rail, water, roads and power

## Jurisdiction

Mining friendly provinces and popular for Lithium exploration

## Blue Sky Potential

Potential for high-grade brines through exploration and future growth through development of project pipeline

# The Grosso Group Advantage

The Grosso Group Management company has been conducting mineral exploration in Argentina for **24 years**.

The Grosso Group has a **track record of success** with three world-class precious metals discoveries in Argentina.

The Group has built a **vast network** of industry and government contacts, giving its Member Companies a distinct advantage in the acquisition, exploration and development of mineral projects.



**GROSSO GROUP**



# Management & Technical Team

- Nikolaos Cacos, President and CEO  
Two decades of management expertise in the mineral exploration industry
- Darren Urquhart, CFO  
Over 10 years experience in public practice and industry
- Dr. David Terry, Director and Qualified Person  
Professional economic geologist, senior executive and corporate director with more than 25 years' of international experience in the mineral resources sector, including lithium exploration projects.
- Mr. Eduardo Peralta, Technical Consultant  
Extensive experience in lithium exploration in Argentina
- Mr. Nicolas Galli, BAsC., Director  
Contributor to the development and construction of important Lithium projects in Argentina including Orocobre, Enirgi, FMC, and others.



# Brine Processing & Recovery Specialist: Dr. Daniel Galli

- Director of Technical Operations for LIT
- Professor of Thermodynamics, Faculty of Engineering at the National University of Jujuy, Argentina.
- 2006 – 2013 Technical Director of the Rincón Lithium Project,  
Developed and employed proprietary patented processes for production of lithium carbonate and battery grade lithium hydroxide from brines
- Focused on the use of clean energy & minimal environmental impact to maximize recovery of lithium & other chemical elements of interest in the brines.



# Lithium: The Green Revolution

**2001**

Many years ago, lithium was used in a variety of industrial purposes.

## LITHIUM GLOBAL MARKET

Non-Battery // Battery



Global Market  
70,000 tonnes LCE

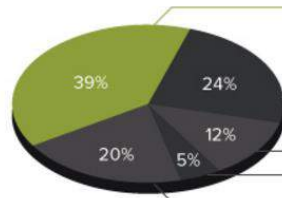
Source: USGS

## TOP USES

Ceramics / Glass  
Aluminum production  
Catalyst for rubber production  
Lubricants  
Batteries

**2015**

Today, the major use by far is batteries.



Global Market  
163,000 tonnes LCE

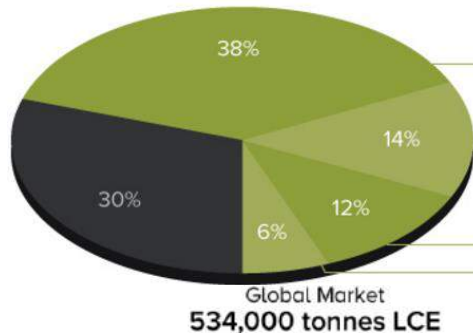
Source: Global Lithium LLC

Batteries  
Ceramics / Glass  
Lubricants  
Medical  
Other Non-Battery

And in the future?

**2025**

The battery market alone will be almost **2x bigger** than the entire lithium market today.



Global Market  
534,000 tonnes LCE

Source: Deutsche Bank

Electric Vehicles  
Non-Battery  
E-Bikes  
Traditional Battery  
Energy Storage

*“Argentina’s lithium carbonate production will triple by 2019...”*

- Argentinian government official to Reuters<sup>1</sup>

Source: Visual Capitalist

<sup>1</sup><http://www.reuters.com/article/us-argentina-lithium-idUSKBN15N2VN>

# The Lithium Triangle

- Lithium Triangle produces ~1/2 of the world's lithium
- Hosts ~70% of known lithium reserves
- Most lithium is in salt lake ("salar") brines
- Argentina produces ~16% of the world's lithium: 3<sup>rd</sup> largest global producer (2017)
- Argentine government is encouraging foreign investment and renewable energy initiatives





# Salar de Arizaro

- In mining-friendly Salta province
- ~3600 metres above sea level
- Largest Salar in Argentina (3rd largest in the Lithium Triangle, after Uyuni (Bolivia) & Atacama (Chile))
- Option to earn 100% interest in 20,500 hectares
  - \$6M in staged payments and \$4.2M in expenditures over a four year period.
  - 2.5M common shares to be issued with certain resale restrictions.
- 100% interest in 9,530 + 4,361 hectares under application
- Cover known water recharge areas



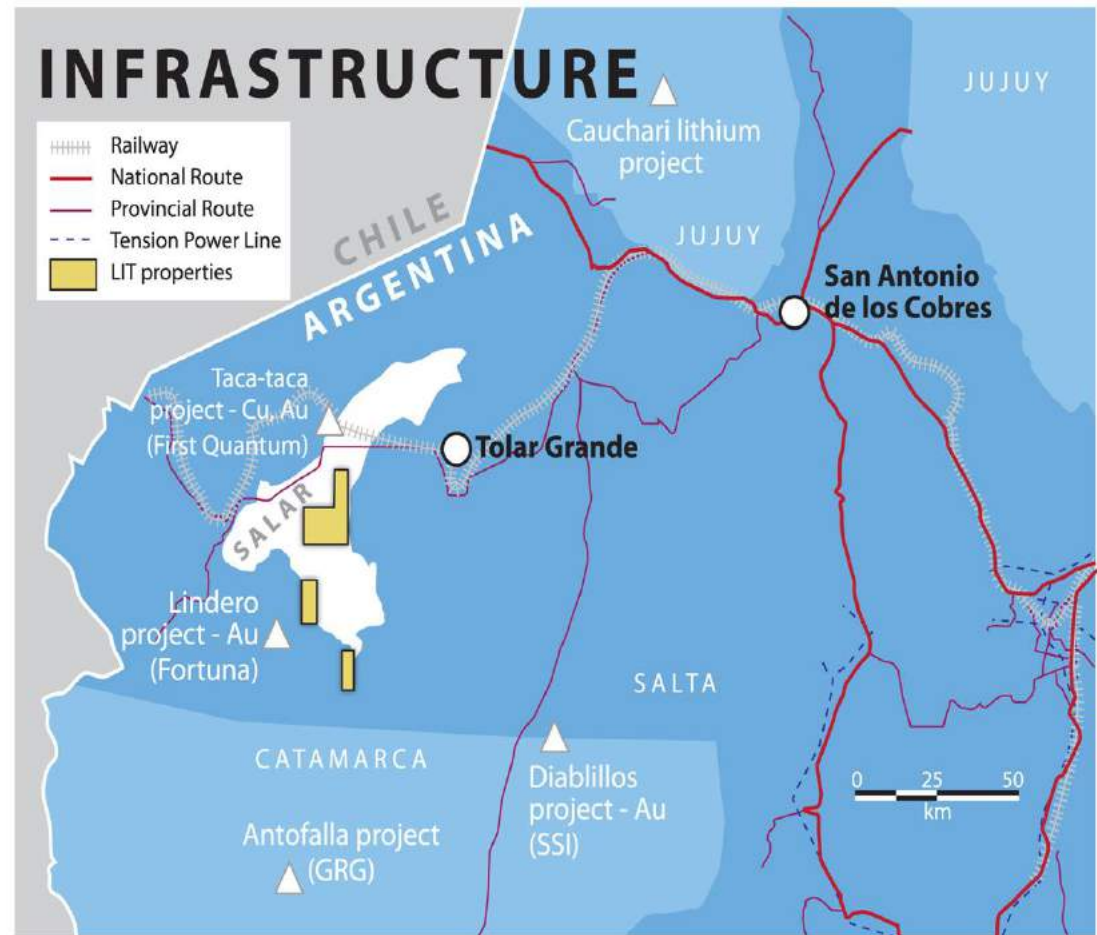
# Salar de Arizaro Project Setting



- Property holdings big enough for future processing facilities, including evaporation ponds
- Hyper-arid <30 mm of rain per year, good for creating evaporative brines
- Strategic location for infrastructure and logistics
- Prospective for quality lithium brines at depth

# Salar de Arizaro Infrastructure

- Road accessible
- Nearby power
- Nearby rail; international access to port of Antofagasta approximately 450 km to W
- Other nearby mining projects are expected to bring more infrastructure development

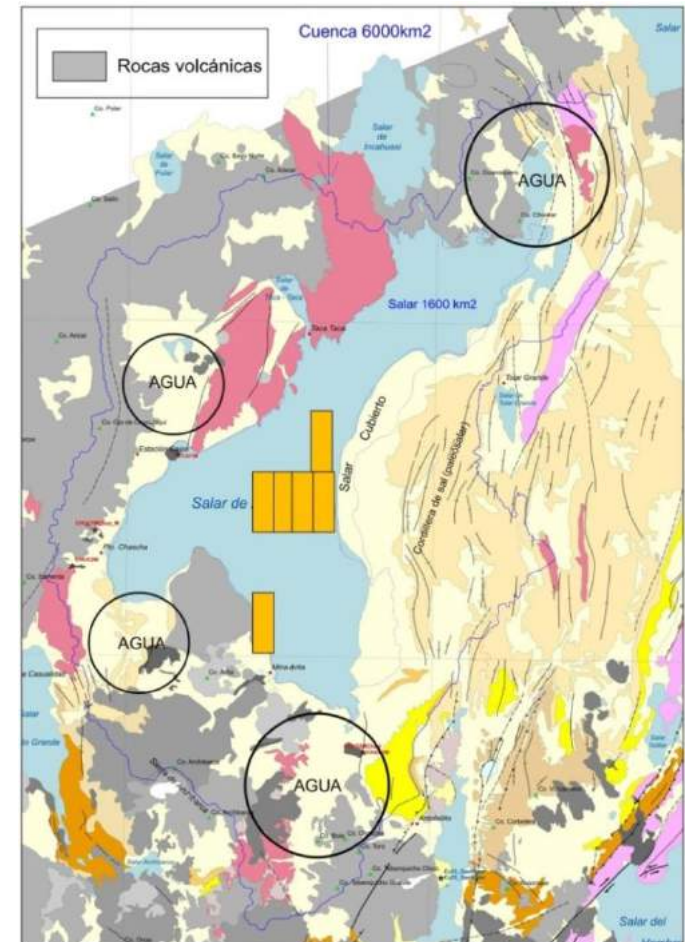




# Salar de Arizaro Geological Setting

- Surrounded by volcanoes – believed to be source of Lithium in the basin
- Historical pit sampling reported sub-surface brines with up to 160 mg/L Lithium<sup>1</sup>
- Evaporites include halite to the W and gypsum to the E; covered by surficial deposits along the E edge of the salar.
- Local mineral occurrences include: travertine, ulexite, Li-rich clay (hectorite) & Li-mica (lepidolite)

1. USGS, 1987. "Geology and Resources of Salars in the Central Andes"



# Salar de Arizaro

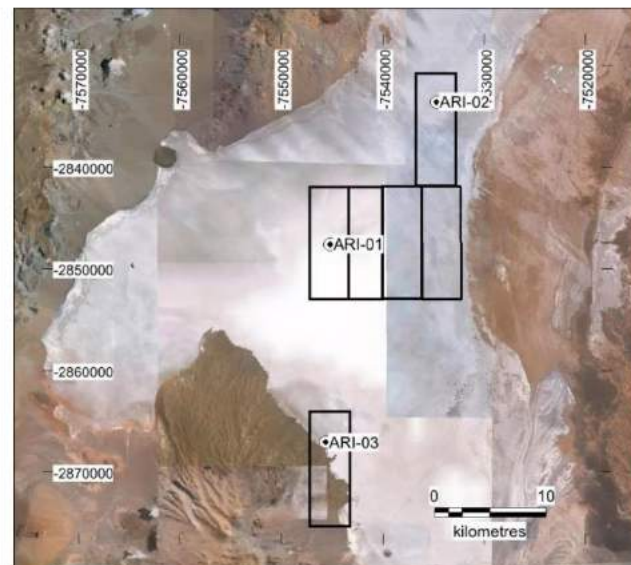
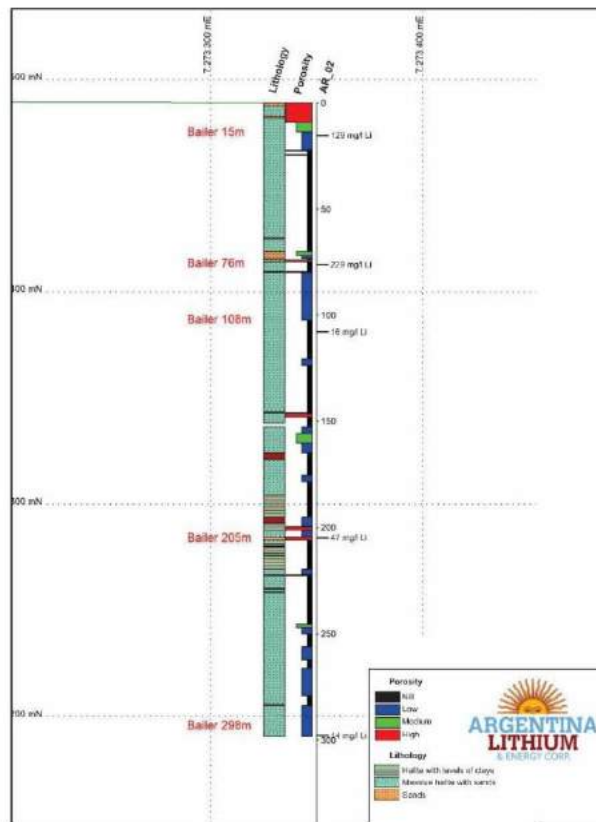
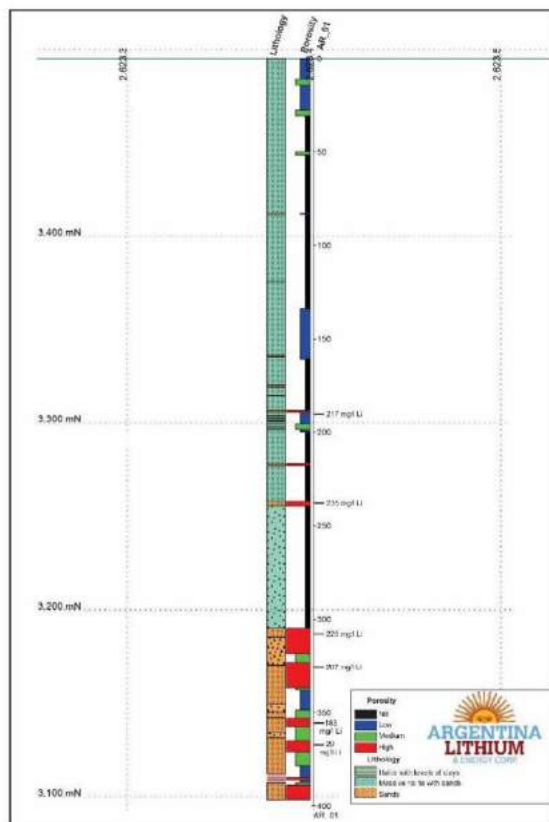
## 2017 Drill Program Results

- 2 holes in central claim block & 1 to the south
- New geophysics program will test for deeper conductive brine bodies
- Follow-up drilling planned based on geophysical results
- Central block holes encountered minor brine up to 356 metres depth
  - Up to 257 mg/L lithium & 14,653 mg/L potassium\*
  - Depths limited by equipment and unable to reach an aquifer
  - Deepest hole (ARI-01) ended in promising sand units



\*See news release dated 11/14/17 for full details

# Salar de Arizaro 2017 Drill Program Results





# 2018 Program

- Deep geophysics underway to map lower units and better interpret subsurface
  - CSAMT method to provide information below 500 m depth
  - 3 East-West lines, 13.5 km each
  - 2 North-South lines, 10 & 20 km
  - 500-1000 m sounding spacing
- Will help delineate future drill targets



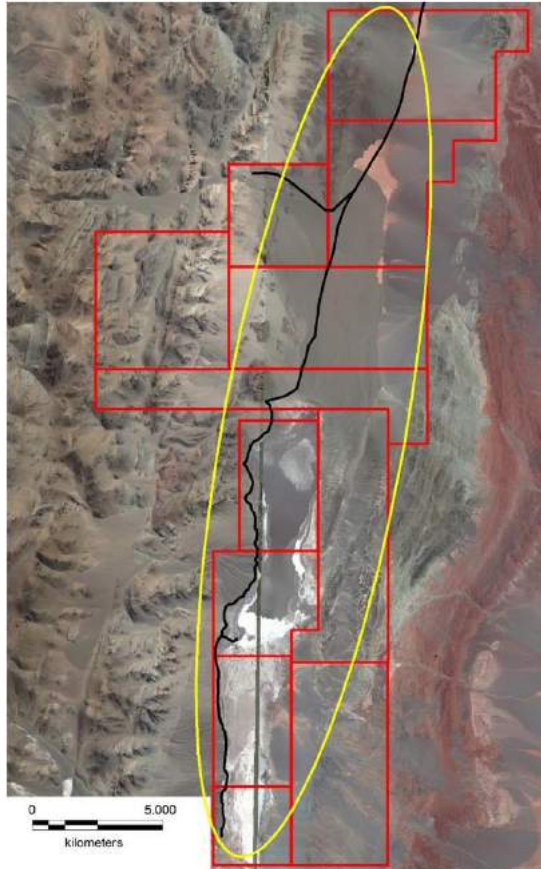
# Salar de Incahuasi

- Located in Catamarca province
  - Several new Lithium brine discoveries in the province, including 3Q (Tres Quebradas salar) and Antofalla salar
- 3,260 masl in hyper-arid conditions; prospective for lithium brines, particularly at depth



# Salar de Incahuasi Project Setting

- Incahuasi is ~2.5 km wide and 17km long from North to South
- 100% control of the salar and basin – no royalties or option payments
  - Current ownership of over 25,000 hectares covering the salar & basin
- Gravel road access; 34 km from nearest town



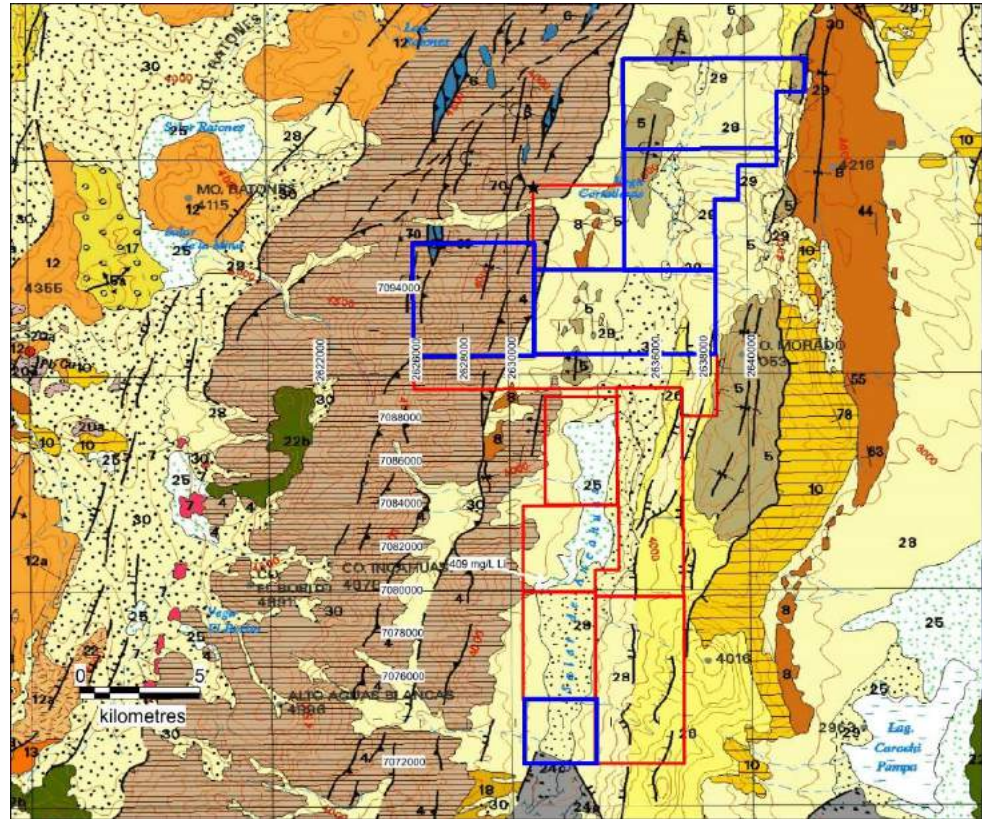
— 100% owned property  
— Road  
— Approximate area of Salar & Basin

Argentina Lithium  
Incahuasi Lithium Project  
March 2018



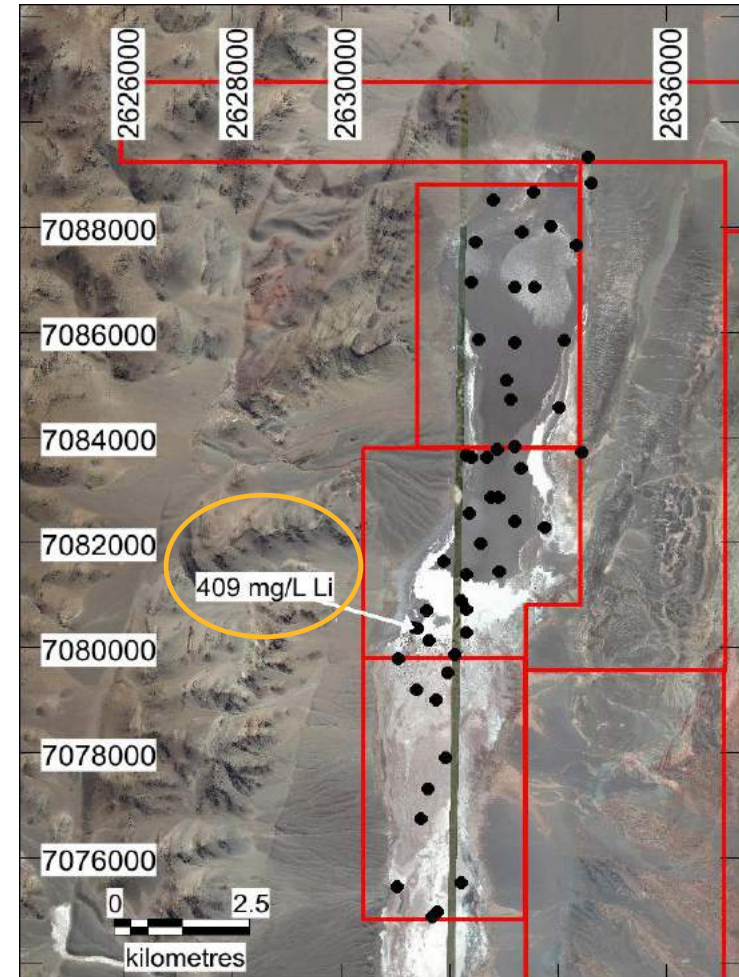
# Salar de Incahuasi Geology

- Similar geological environment to other lithium-potash salars
- The northern portion is partially covered with surface water, with evaporate crusts (halite & ulexite)
- The southern portion is covered by terrigenous sediments including sand, clays, halite and sodium-sulphates.
- Basin surface units may be covering other brine aquifer-hosting units at depth



# Salar de Incahuasi Exploration

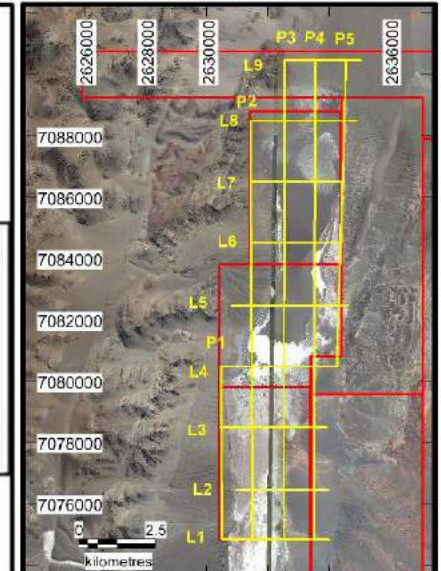
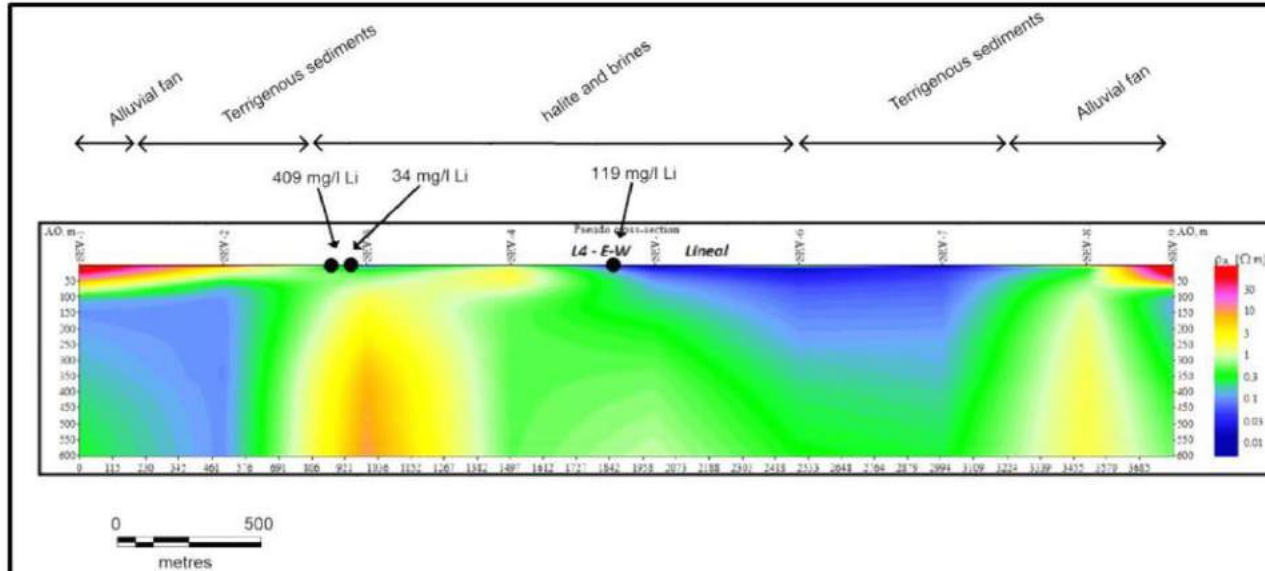
- Geological mapping completed
- 52 reconnaissance pit samples taken\*
  - Max depth 8 metres
  - **Max values 409 mg/L lithium and 1.56% Potassium**
  - Overall average 62 mg/L lithium, 4661 mg/L potassium and 9800 mg/L magnesium





# Salar de Incahuasi VES Geophysical Survey

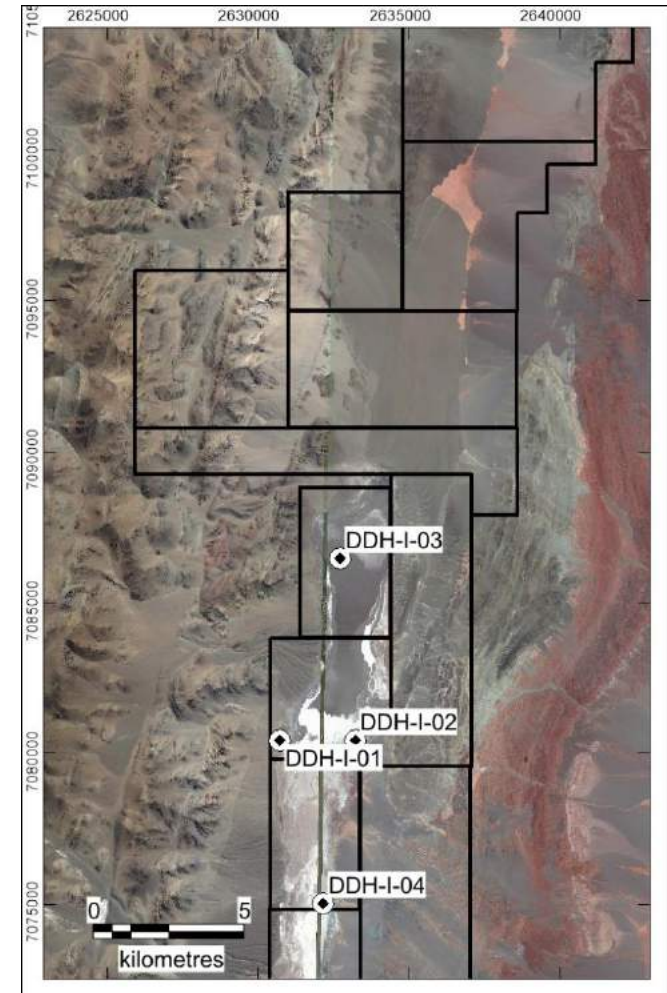
- 69 vertical electric soundings (VES) taken on 9 lines
- Potentially significant brine aquifers: extremely low resistivity, corresponding to extremely high conductivity starting at surface and extending to 200 metres deep.
- Some high conductivity zones (in blue) were detected below the present surface sediments, opening the possibility of brines below





# Salar de Incahuasi 2018 Exploration Program

- 4-drill-hole program underway
- Holes up to 400 m deep
- Testing the 2 highly conductive domains identified from VES Survey
- Along 12 km parallel to the salar long axis



# Salar de Antofalla Project

- Located in the mining-friendly province of Salta
- >14,000 ha of claims/reservations including:
  - 9,000 ha 100% held + >5,300 ha under option
- Option to earn 100% interest in 5,300 hectares
  - \$3.5M in staged payments over 42 months but limited to only \$500,000 in the first 18 months.
  - Annual exploration expenditures: year 1: \$500,000; year 2: \$1.5M; year 3: \$2.0M; year 4: \$3.0M
- 500 km from city of Salta
- Accessible by provincial highway and unpaved roads – infrastructure available
- Abermarle has large holdings with reported grades of 350 mg/L Li and 6,400 mg/L k\*

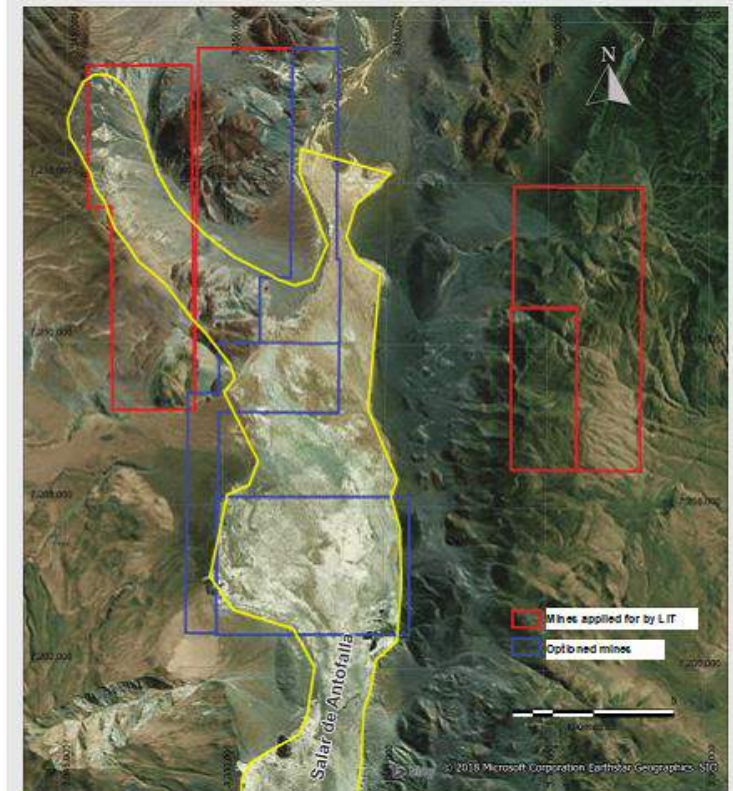


\* <https://roskill.com/news/lithium-albemarle-expands-argentina/>



# Salar de Antofalla Project Setting

- Salar size: ~150 km long and >5 km wide
- Exploration program to be announced H2 2018



# A Solid Foundation for Success



## People

Best in class management and technical team with proven success in prospect development in Argentina

## Location

+60k hectares of highly prospective Lithium properties situated in the middle of the Lithium Triangle in Argentina

## Infrastructure

Close proximity to Rail, water, roads and power

## Jurisdiction

Mining friendly provinces and popular for Lithium exploration

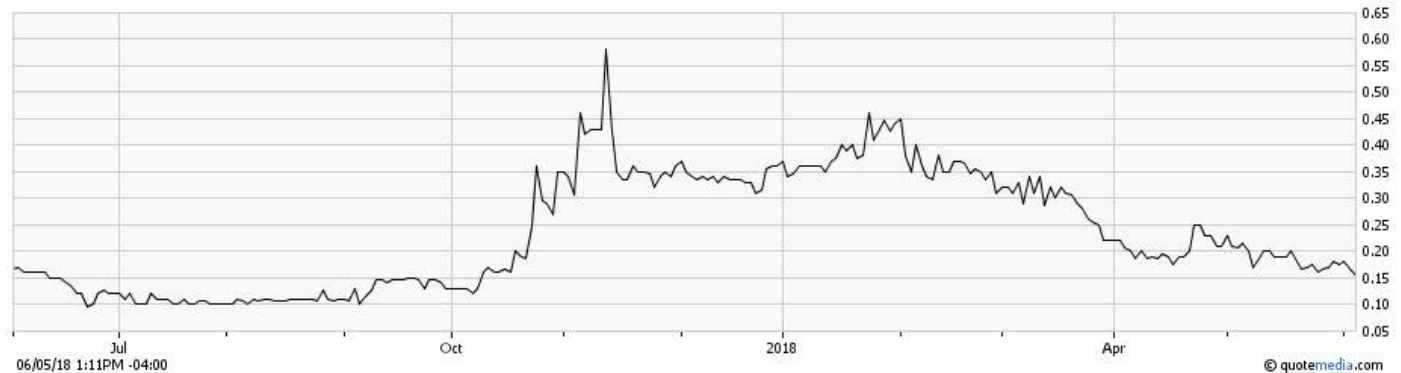
## Blue Sky Potential

Potential for high-grade brines through exploration and future growth through development of project pipeline



# Structure @ May 30, 2018

- Issued: 76.3 M
- Warrants: 22.6 M (Avg. Price \$0.36)
- Options: 4.6 M
- Fully Diluted: 103.4 M
- Market Cap: ~\$12M







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