



**LATIN RESOURCES**  
LIMITED

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***Argentina's next Lithium Company***

**Mines and Money – Toronto**

**September 2016**

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# Corporate Overview

## Latin Resources Limited (ASX Code: LRS)



Mineral exploration and development company with Copper projects in Peru and lithium projects in Argentina with proven record of developing projects



Over 7 years of exploration work and \$20m spent to date in South America



Track record of identifying and developing projects with quality Joint Venture partners



Major Joint Venture in progress with First Quantum in Peru



Mineral sands project with a 1 Billion tonne JORC resource



Strong Management team

# Management Team

## **Managing Director – Chris Gale**

Chris has extensive experience in senior management roles in both the public and private sectors. He has also held various board and executive roles at a number of mining and technology companies throughout his career. Chris is the current Chairman of the Council on Australian Latin American Relations (COALAR) established by the Australian Government Department of Foreign Affairs and Trade (DFAT). He is also a founding director of Allegra Capital, a boutique corporate advisory firm based in Perth and is a member of the Australian Institute of Company Directors (AICD).

## **Exploration Team – IMEx consultants, Argentina**

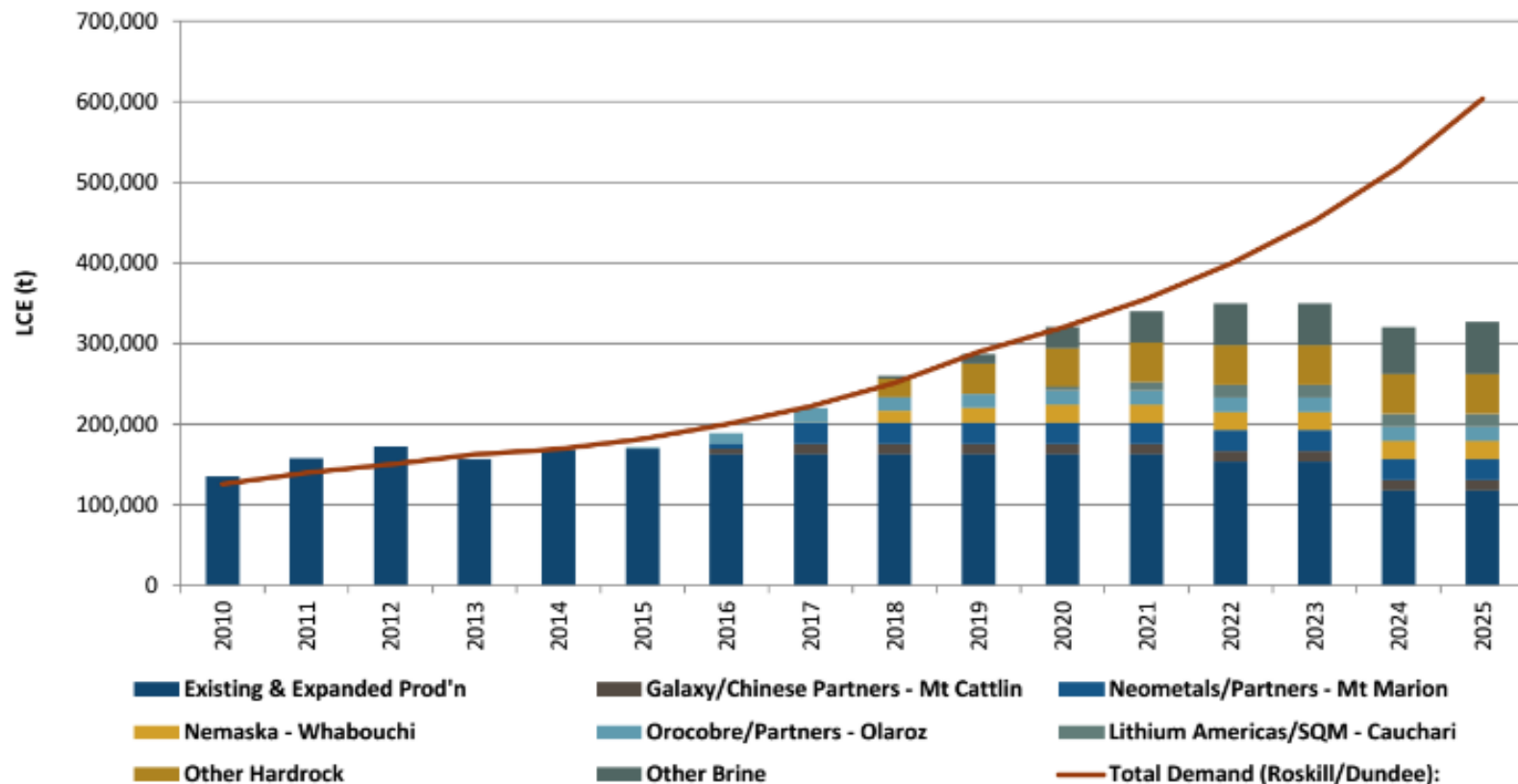
IMEx Consultants offers customized services to the mining industry, with a focus on industrial minerals. Utilizing a deep, multidisciplinary and global talent pool with many years of experience we can explore, develop, engineer, commercialize and launch your industrial minerals project and business.” Since 2009 Iain Scarr and his team have developed deep experience with lithium, including senior-level involvement in five projects, three to feasibility study completion. Our expertise covers the two major types of lithium deposits with experience in the “Lithium Triangle” of South America, and hard-rock deposit types in Canada, the eastern US, Serbia and Australia.

## **Process and Chemical Engineer – Vijay Mehta**

45+ years of R&D and Manufacturing experience in the field of Ore and Brine based technology for recovery of Lithium, Potash, Magnesium and Boron to produce commercial scale high purity chemical products. Extensive knowledge of Lithium Resources (Brines and Ores) and their chemistry. Visited all Lithium resources sites around the world. Extensive knowledge of Lithium process technologies for the recovery of Lithium into high purity  $\text{Li}_2\text{CO}_3$ ,  $\text{LiOH}$  and more than 20 other Lithium products (Inorganic -Organometallic). Vijay has more than 12 US patents, +50 Technology reports and +10 publications.

# Lithium Demand – 2015 to 2025

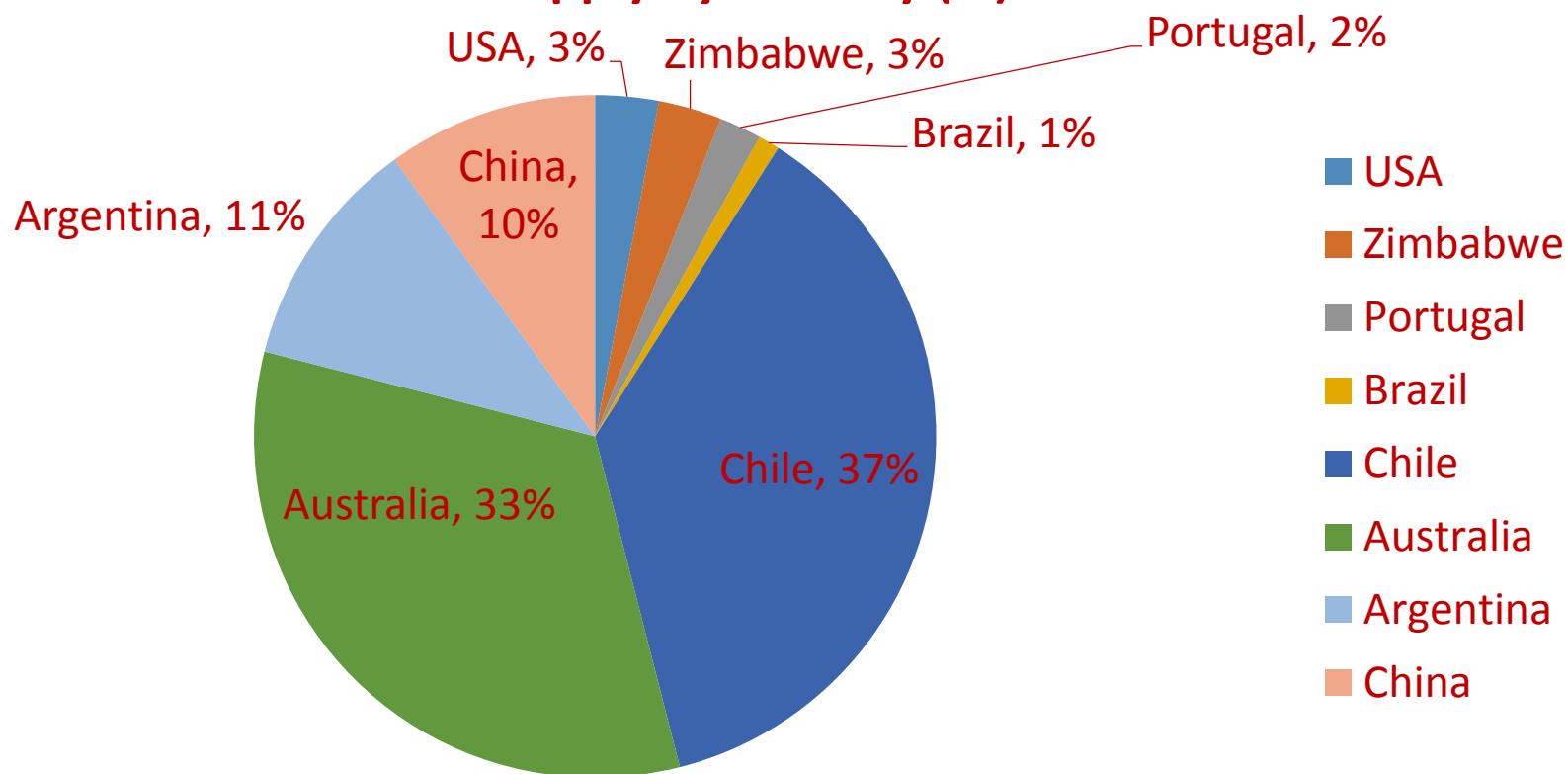
*Dundee's lithium supply and demand forecast, 2015 to 2025*



Source: Dundee Capital Markets, Roskill

# Lithium Supply - 2015

## Lithium supply by Country (%) - 2015

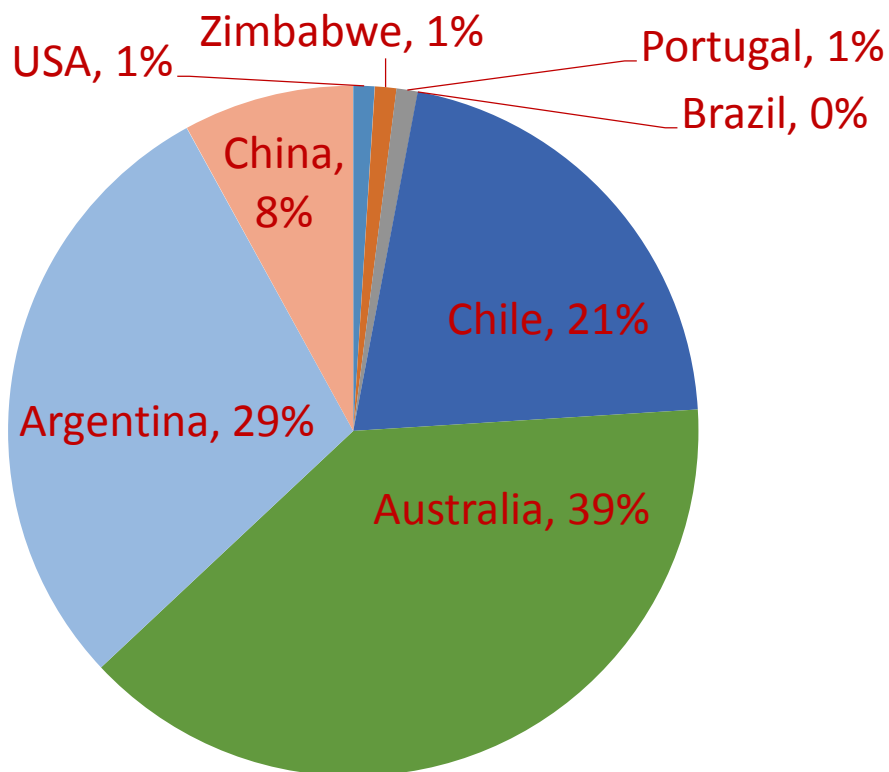


Source; Deutsche Bank; USGS Company Data

*Two-thirds of the world's lithium reserves are found in Chile (the world's largest lithium producer), Bolivia and Argentina, in what is known as the 'Lithium Triangle'.*

# Lithium Supply - 2025

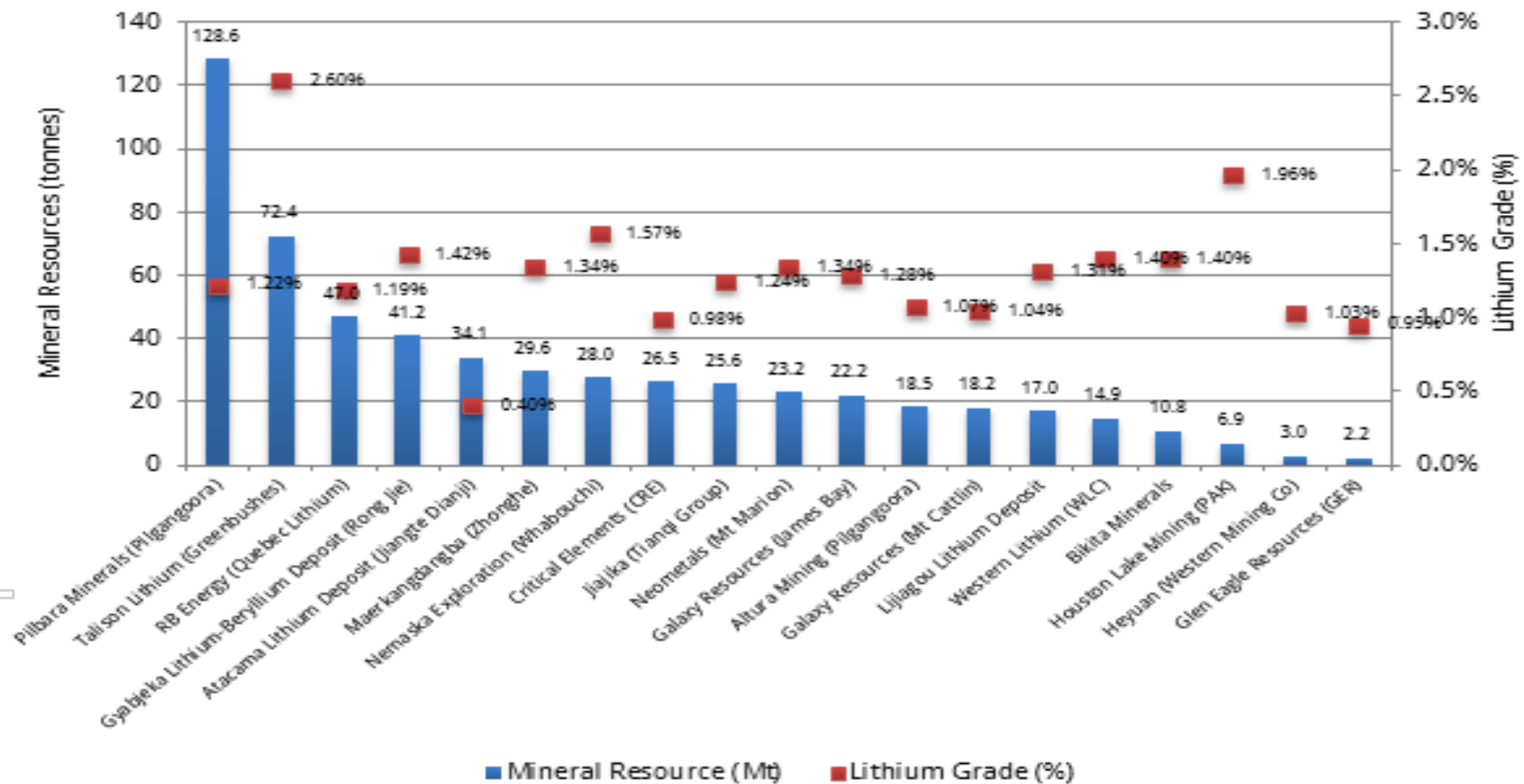
## Lithium supply by Country (%) - 2025



Source; Deutsche Bank; USGS Company Data

# World Lithium Hard Rock Deposits

World Lithium Hard Rock Deposits



# Peer Lithium Comparative Analysis (Sept 22, 2016)

Company	Mkt Cap	Security	Shares on Issue	Close	+ / -	%	Volume
Latin Resources (LRS)	A\$20M	LRS	1,553,398,098	\$0.013	\$0.000	0.00%	24,853,670
Altura Mining (AJM)	A\$172M	AJM	1,231,778,000	\$0.140	\$0.000	0.00%	3,609,852
Dark Horse (DHR)	A\$7.7M	DHR	779,572,547	\$0.010	\$0.001	11.11%	50,005
Dakota Minerals (GMM)	A\$23M	DKO	320,379,879	\$0.072	(\$0.008)	(10.00%)	2,244,908
General Mining/Galaxy* (GMM/GXY)	A\$572M	GMM	318,397,526	\$0.655	\$0.000	0.00%	0
		LIT	234,066,439	\$0.190	(\$0.005)	(2.56%)	675,000
Argentina Lithium & Energy (LIT)	C\$45M	ORE	209,479,867	\$3.640	(\$0.090)	(2.41%)	1,225,709
Orocobre (ORE)	A\$762M	PLS	1,150,363,343	\$0.475	(\$0.030)	(5.94%)	13,560,631
Pilbara Minerals (PLS)	A\$546M	PLP	1,750,458,712	\$0.013	\$0.000	0.00%	1,792,901
Platypus Minerals (PLP)	A\$2.2M	<b>Peer Price Change History</b>					
				<b>1 Month (%)</b>	<b>6 Month (%)</b>	<b>12 Month (%)</b>	
		LRS		30.0%	160.0%	62.5%	
		AJM		12.0%	(3.4%)	250.0%	
		DHR		11.1%	233.3%	0.0%	
		DKO		10.8%	(6.5%)	227.3%	
		GMM		2.3%	72.4%	785.1%	
		LIT		(9.5%)	31.0%	211.5%	
		ORE		(12.3%)	20.9%	128.2%	
		PLP		(13.3%)	8.3%	62.5%	
		PLS		(12.0%)	18.8%	79.2%	

\*General Mining Corp. (ASX:GMM) merged with Galaxy Resources (ASX:GXY) in August 2016

\*\*Source of Data: Pac Partners

# Hard Rock Lithium Potential in Pegmatites and Precambrian Metamorphic Belts in Argentina



*Similar geology to Western Australian hard rock lithium pegmatites*

# Lithium Province of NW Argentina

## El mapa minero

Provincias con legislación que prohíbe la minería. Provincias que tienen en estudio leyes para prohibirla. Provincias sin leyes contra la minería.



*Two-thirds of the world's lithium reserves are found in Argentina, Chile and Bolivia in what is known as the Lithium Triangle'.*

- **Major lithium players in the district of Salta and Catamarca:**
  - **FMC**
  - **Galaxy Resources**
  - **Lithium Americas**
  - **SQM**
- **The Pampean pegmatite province in NW Argentina hosts numerous Lithium bearing pegmatite deposits (Spodumene, Lepidolite, Petalite, Amblygonite, Lithiophilite), with added potential for Tantalum, Rare Earth Elements, Beryllium and Tin. (cassiterite)**
- **Exploration and development of Lithium resources in Argentina overwhelmingly focused on salt lakes and presents an “under the radar” opportunity for hard rock discoveries, with bonus accessory minerals.**

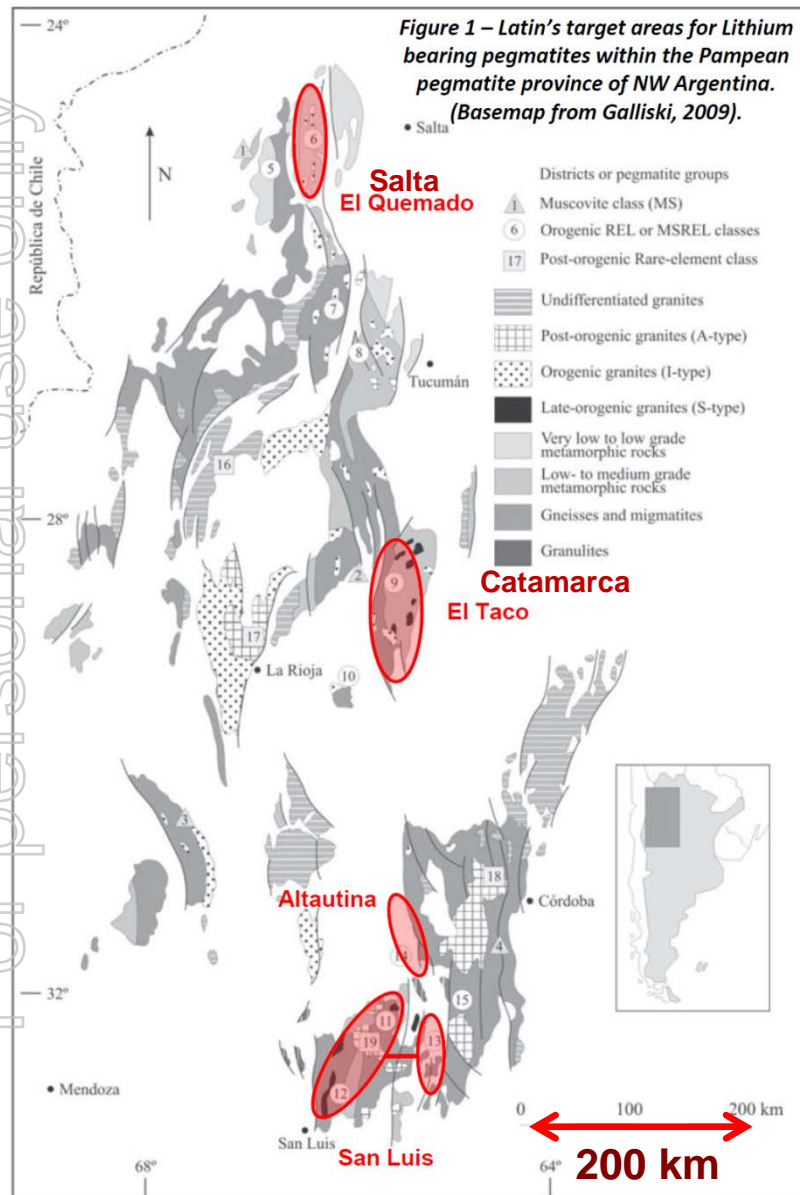
**Argentina's pegmatite Province**

**Geology very similar to Western Australian pegmatites**

Fuente: CAEM y CMSJ.

DIARIO DE CUYO

# Lithium Pegmatite Province of NW Argentina



- **Latin Resources has secured mineral rights over two key districts with documented Lithium pegmatites occurrences – Catamarca and Salta**
- ***Latin Resources controls concessions with over 100,000 hectares of lithium bearing pegmatites – the largest lithium hard rock holding in Argentina***

# LRS - Lithium Pegmatite Concessions

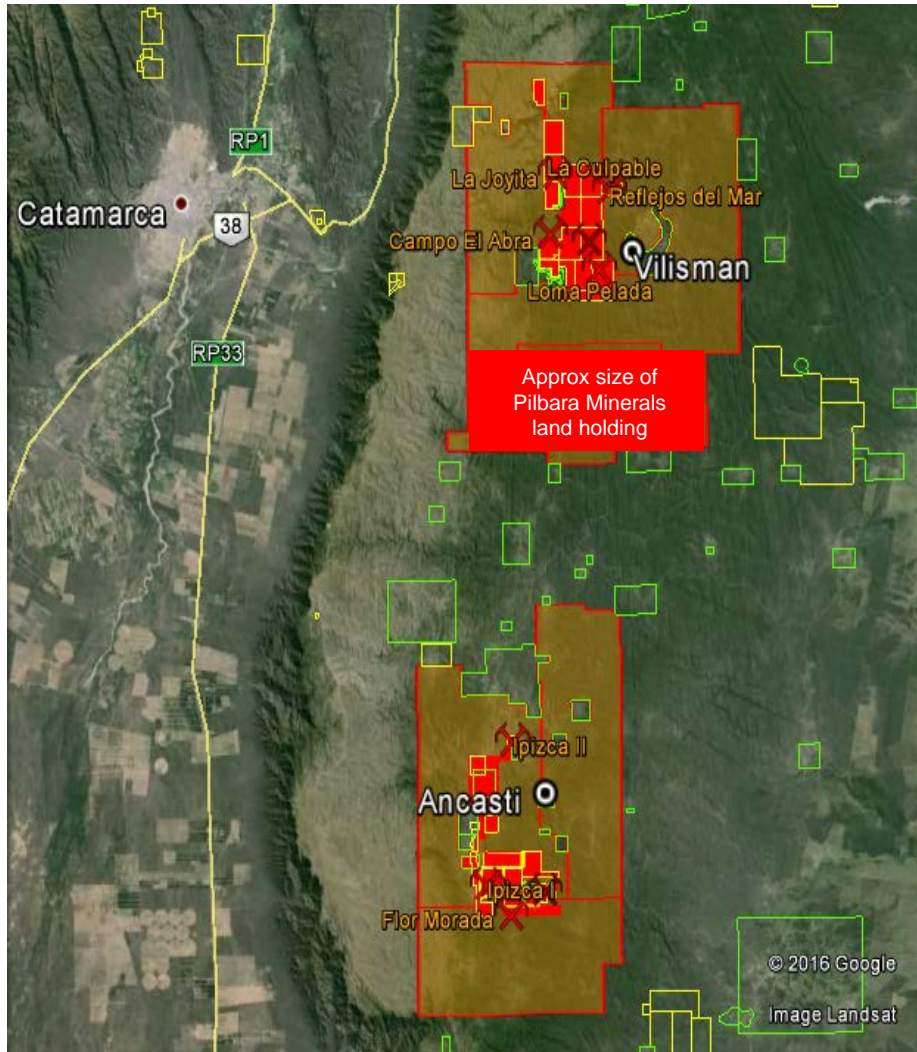
## Catamarca, Argentina

- On 31 May 2016 the Company announced it had made claim applications over 70,000 hectares in seven exploration tenements in the Catamarca Province, prospective for Lithium Pegmatites, these concessions are expected to be granted in October 2016
- Latin has also applied for additional exploration tenements over 7,051.6 hectares that were surrounded by the initial exploration tenement applications in two areas, Vilisman and Ancasti, each with past Lithium mining activity and that together host in excess of twenty Lithium bearing pegmatite deposits documented by various authors in publications made over the last 50 years.
- These Lithium bearing pegmatite deposits have a history of small scale past production, having been intermittently exploited for Lithium minerals, and associated Beryl, Tantalum and feldspars during the 1950's and 1970's.
- Analysis of four samples collected by Latin geologists of exposures of spodumene in old mine workings in three pegmatite deposits within the new claim applications reported grades of 6.6%, 7.1%, 6.3% and 4.9% Li<sub>2</sub>O respectively.

*\* Cautionary Statement: These data are published historical foreign estimates not reported in accordance with the JORC Code. A competent person has not done sufficient work to verify the data in accordance with the JORC code and it is uncertain that following evaluation and/or further exploration work that these foreign estimates will be able to be reported in accordance with the JORC Code.*

# Latin Resources

## Catamarca Lithium Concessions



- **77,000 Hectares – large landholding**
- **Location of the Vilisman and Ancasti Lithium Pegmatite Groups, with old mines marked (Solid red areas). Latin's claims are the orange shaded areas extending outwards including the known Spodumene Lithium deposits**

# Hard Rock Lithium Potential in Pegmatites

## Argentina



*The Vilisman group hosts at least 8 pegmatite spodumene deposits that have evidence of past mining activity. Six of these are individual dykes emplaced along structures in banded mica schists, while two are formed as multiple dykes. Most of the dykes outcrop over at least 100 m of strike length with thicknesses of between 1 m and 5 m.*



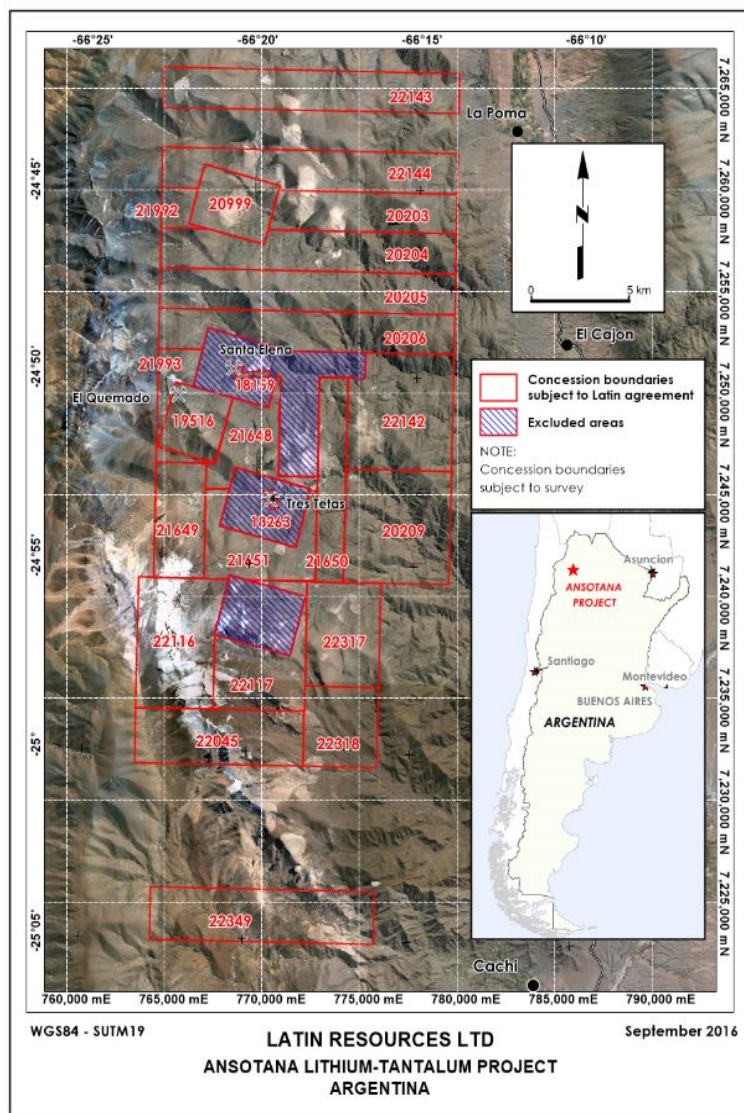
# LRS SIGNS BINDING TERM SHEET FOR PURCHASE OF ANSOTANA PEGMATITE PROJECT IN SALTA, ARGENTINA

- Latin Resources Limited (ASX:LRS) has entered into a binding Purchase and Earn-In Terms Sheet to acquire up to a 90% interest in several mining concessions which comprise of approximately 44,290 hectares of lithium and tantalum pegmatites in the Province of Salta, Argentina, known as the Ansotana Project ( “Ansotana “).
- The Ansotana concession area was mined for Tantalum and Bismuth by the Ansotana Mining Company between 1943 and 1945. The company carried out production on the mineralized pegmatites which material was sold to the USA during World War 2.
- The Ansotana Pegmatites are complex Lithium rich pegmatites and host minerals such as tantalite, beryl and the lithium bearing minerals such as spodumene, Lepidolite and montebrasite (amblygonite).
- This purchase, if successfully completed, will advance the continuing strategy of Latin Resources to secure the known hard rock lithium bearing pegmatites in Argentina.

# Ansotana Binding Terms for Earn in Agreement

- Latin Resources Limited (ASX:LRS) has entered into a binding Purchase and Earn-In Terms Sheet to acquire up to a 90% interest the Ansotana Project
- \$10,000 cash and \$1 mailing in shares over a 3 year period. The transaction commences after 60 day due diligence period and signed purchase agreement
- Latin providing an exploration capital contribution of US\$3,000,000 over a 3 year period in a Newco entity controlled by the Vender with security over Newco held by Latin Resources.
- The delivery to Vendor of USD \$2M payments divided in four US\$500K instalments payable 6, 12, 18 and 24 months as from the delivery of the feasibility study
- LRS can elect to directly fund a Bankable Feasibility Study or a Decision to Mine report and if positive, the construction of a plant within 7 years

# Growth Opportunity: Ansoatana Lithium Tantalum Project, Salta



- The 24 concessions, subject to the Binding Term Sheet, cover approx. 44,290 hectares in the El Quemado pegmatite district. The project is located approximately 75 kilometers west from the city of Salta. The 60km long El Quemado pegmatite district is the most northerly of the various pegmatite districts in the 800km long Argentine Pampean Pegmatite province.
- These pegmatites are known to range in strike length up to 800m with widths up to 40m. The Ansoatana mine produced commercial quantities of tantalum and bismuth. They are also known to contain the commercially important lithium minerals spodumene, amblygonite and Lepidolite.

# The Geology of the Ansotana Project



*Pegmatites showing lepidolite veins, tourmaline and columbite*



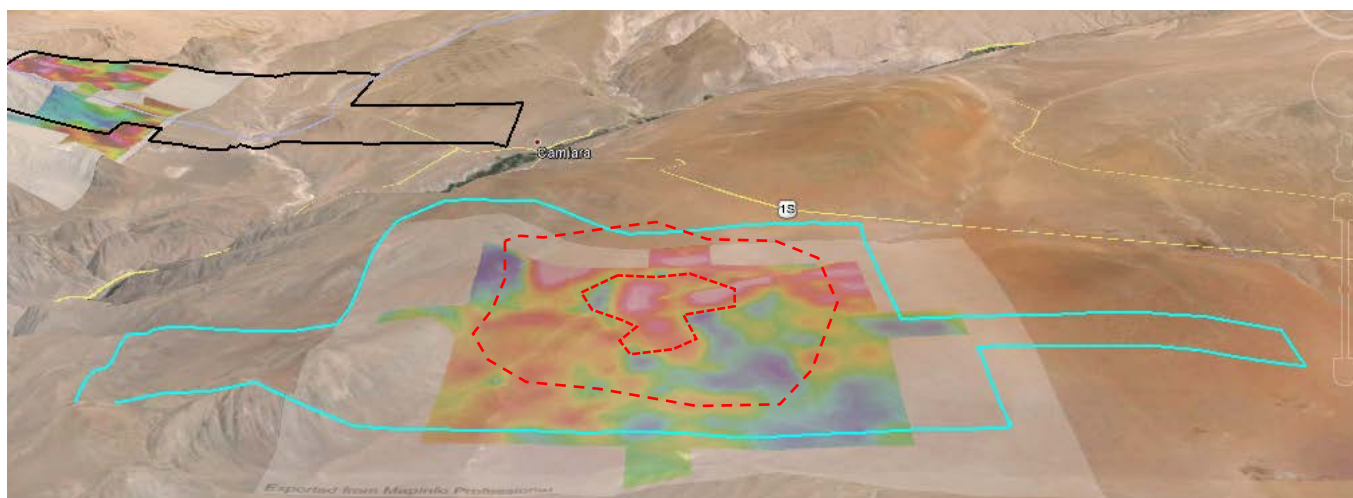
*Lepidolite – lithium mica*

*The advantage of the Ansotana project is that the concessions are all granted, previous exploration means the project is virtually drill ready once the 60 day due diligence is completed and subject to sufficient evidence of the pegmatites bearing lithium mineralisation.*

# Latin Resources – First Quantum JV

## Ilo Sur, Peru

- FQM have funded geophysics survey and partial extraction geochemistry on the Pachamancha project in Peru. This target has now developed into a joint venture with FQM to drill if further sufficient coincident support for the target is identified.***



# First Quantum Joint Venture – Terms

- Antares to complete geophysical survey and following which may elect to proceed with a rights assignment and an option to earn an initial 51% of the project by completing 4,000m of drilling within 6 months of obtaining drilling approvals.
- Antares may exercise the first option within a maximum of 48 months after obtaining advanced stage drill permits, and will earn 51% on completion of drilling and technical studies to support a JORC resource estimate of >1Mt contained copper equivalent.
- PLR to receive staged payments totalling US\$0.5 million over the option period, as an additional condition precedent to exercise the option.
- Antares can earn up to a total of 80% of the project when technical documentation of work completed is provided to support a decision to mine. PLR free carried up to decision to mine. Antares will have an option to buy PLR's remaining 20% share based on an independent valuation. PLR will then retain a 2% NSR royalty. Antares will have the right to reduce the NSR to 1% by paying US\$40 Million cash to PLR.

# Objectives & Milestones

- ✓ Control the majority of the known hard rock lithium bearing pegmatites in Argentina
- ✓ Commence field work on Catamarca to define drill targets – **Sept/Oct**
- ❑ Start drilling on the Catamarca concessions – **November**
- ❑ Drill and define a resource by **1st Quarter 2017**
- ❑ Complete design work on the spodumene concentrate plant by **July 2017**
- ❑ Commence building plant **3<sup>rd</sup> Quarter 2017**
- ❑ Commence production **4<sup>th</sup> Quarter 2018**

# Share Metrics

**Latin Resources LTD**

**ASX CODE: LRS**

Share Price	A\$0.0130
Market Cap	A\$20M
52-Week (Low-High)	A\$0.003 - 0.024
30-Day Daily Avg Vol	15M Shares
Shares Outstanding	1,553,398,098
Options*	174 Million
- Expiration:	March 2017
- Exercise Price:	\$0.02
Fully Diluted	1,727,398,098
Mgmt & Board Share %	15%
Top 50 Shareholders	52%

**52-Week Price Chart**



**\*If Options are in the money by March 2017 – brings in \$3.4m**

\*As of September 22, 2016



# LATIN RESOURCES LIMITED

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## Thank You & Questions

### **Competent Person Statement**

*The information in this report that relates to geological data and exploration results is based on information compiled by Mr. Geoff Blackburn, a Competent Person who is a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM) and who is a part time employee of Latin Resources Limited. Mr Blackburn, FAusIMM, has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify 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 Blackburn, FAusIMM, consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

## Historical Foreign Estimates of Mineralisation

The historical foreign estimates of mineralisation are modified from data published in Acosta et al (1988) and Balmaceda & Kaniefsk (1982), both Spanish language publications translated as follows:

Acosta et al (1988): "Goeconomic Study of Pegmatites" and was undertaken by the Provincial Government of Catamarca as part of an agreement between the Department of Mines and the [Argentine] Federal Council of Investment.

Balmaceda & Kaniefsky (1982): "Characterisation of two Spodumene Pegmatites located in Catamarca and San Luis, Argentina" published in the Acts of the Fifth Latin American Geology Congress in Argentina in 1982.

These authors undertook field work including descriptions and mapping of the geology, mineralogy and measurements of size of the Lithium bearing pegmatite dykes and their internal structure where these were encountered within the Vilisman and Ancasti Groups, adjacent to the tenement areas applied for by the Company. The works also included details of trenching and modal estimates of spodumene (lithium silicate) content within the different mineralised zones of each pegmatite. This method of estimation of spodumene mineral content is considered appropriate considering the large size (up to 1 m) of the spodumene crystals and subsequent difficulty in obtaining representative samples to estimate grade through chemical analysis.

Cautionary Statement: The estimates of mineralisation in this report are regarded as historical foreign estimates and are not reported in accordance with the JORC Code. The Competent Person for this market release has not done sufficient work to classify the historical foreign estimates as mineral resources in accordance with the JORC Code; and it is uncertain that following evaluation and/or further exploration work that the historical foreign estimates will be able to be reported as mineral resources in accordance with the JORC Code. The Competent Person for this market release has visited four of the occurrences included in the historical foreign estimates (La Culpable, Reflejos del Mar, Santa Gertrudis and Ipizca II), and was able to verify the presence of spodumene at these pegmatite occurrences in the form and approximate modal content as described by the source authors.

The inclusion of the historical foreign estimates of mineralisation in this report is essential disclosure considering the proximity to the tenement applications made by the Company, the continuation of the same geological units hosting the historical foreign estimates of mineralisation into the tenement areas applied for by the Company, and the fact that the Company is in the process of securing rights to the areas referred to in the historical foreign estimates of mineralisation.



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