

Pepinini

Lithium Limited

Rebecca Holland Kennedy
Managing Director

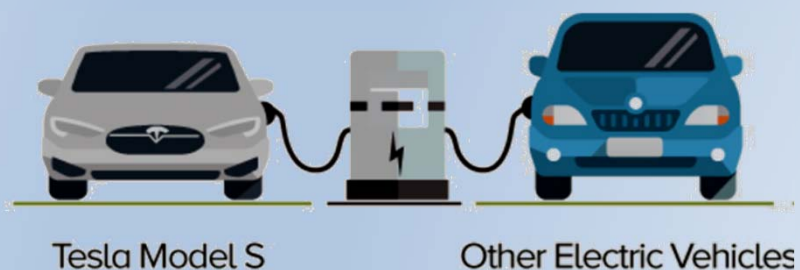
Why Lithium brine?



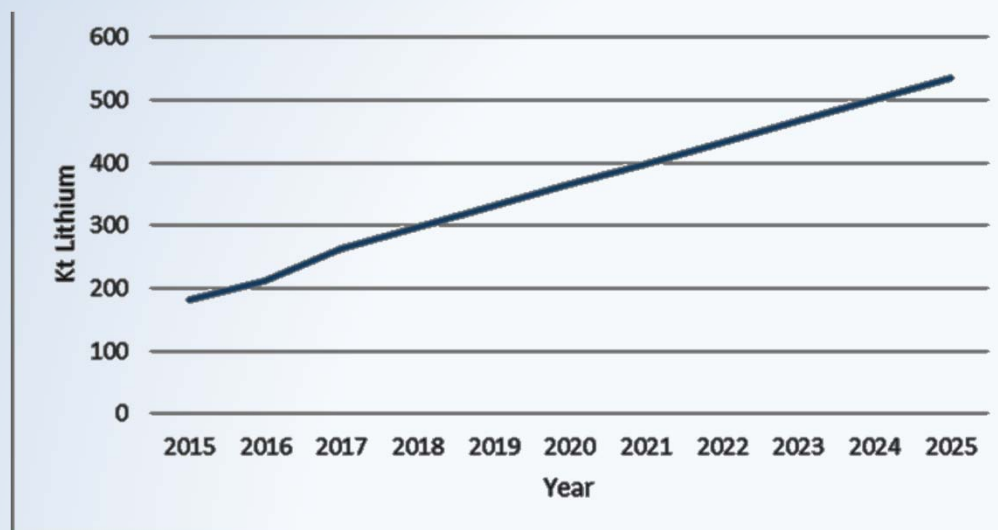
Presentation to Low Emission Technology Conference Perth
15 November 2017

Why Lithium

- ❑ *Need to triple investment in low-emission technology*
- ❑ *Shift to electric vehicles China, Europe*
- ❑ *Lithium batteries more efficient*



Lithium Demand – Deutsche Bank Forecast

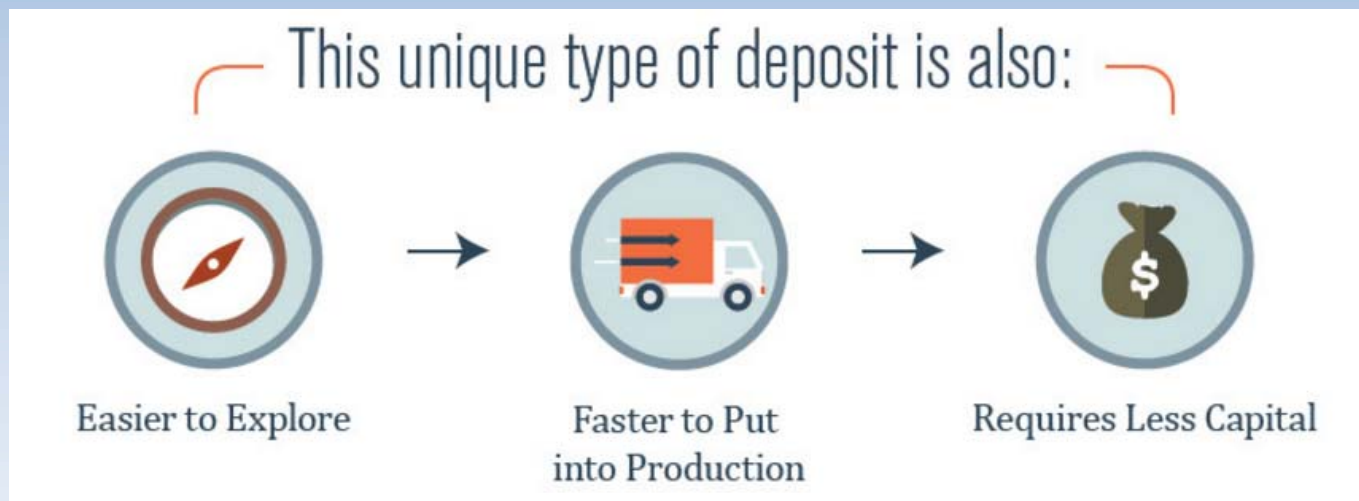


Pepinini

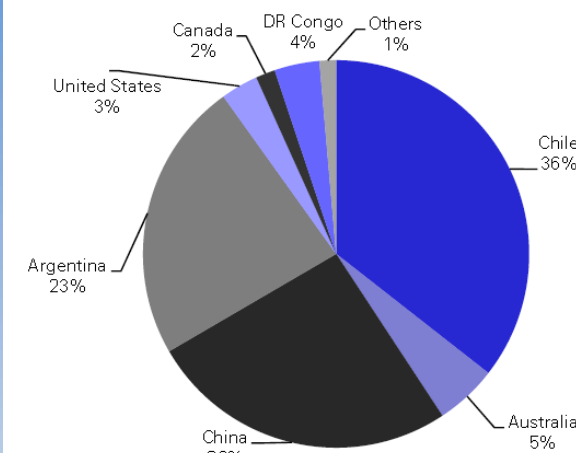


Why Lithium Brine in Argentina

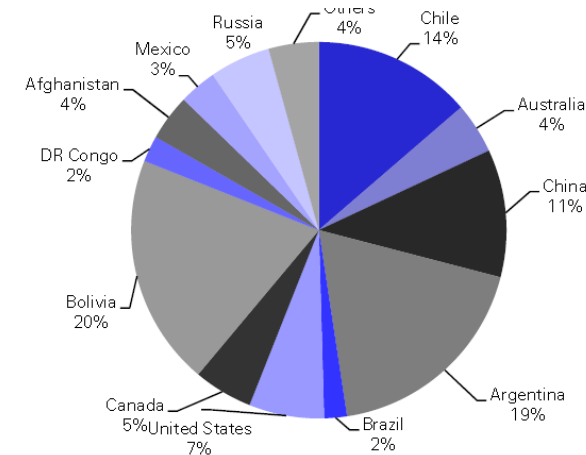
- Company experience and expertise in Argentina
- Argentina - potential high grade resource base



Global lithium reserves – 102Mt LCE



Global lithium reserves – 273Mt LCE



Source: Deutsche Bank; USGS; Company data

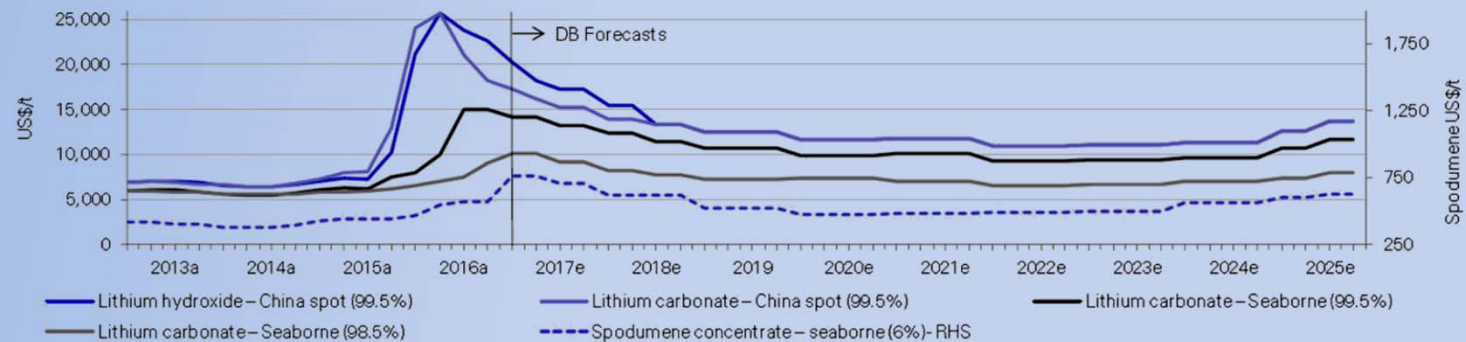
Source – Deutsche Bank Markets Research – May 2016



Current Lithium pricing and production costs

- ❑ **Current Lithium carbonate price is predicted to stay above US\$10,000 per tonne through to 2025**
- ❑ **Production cost of other Lithium Brine producers US\$2,500 to US\$3,500 per tonne**
- ❑ **Estimated up to 400% profit margins**

Figure 50: DB lithium and spodumene price forecasts (in nominal terms)



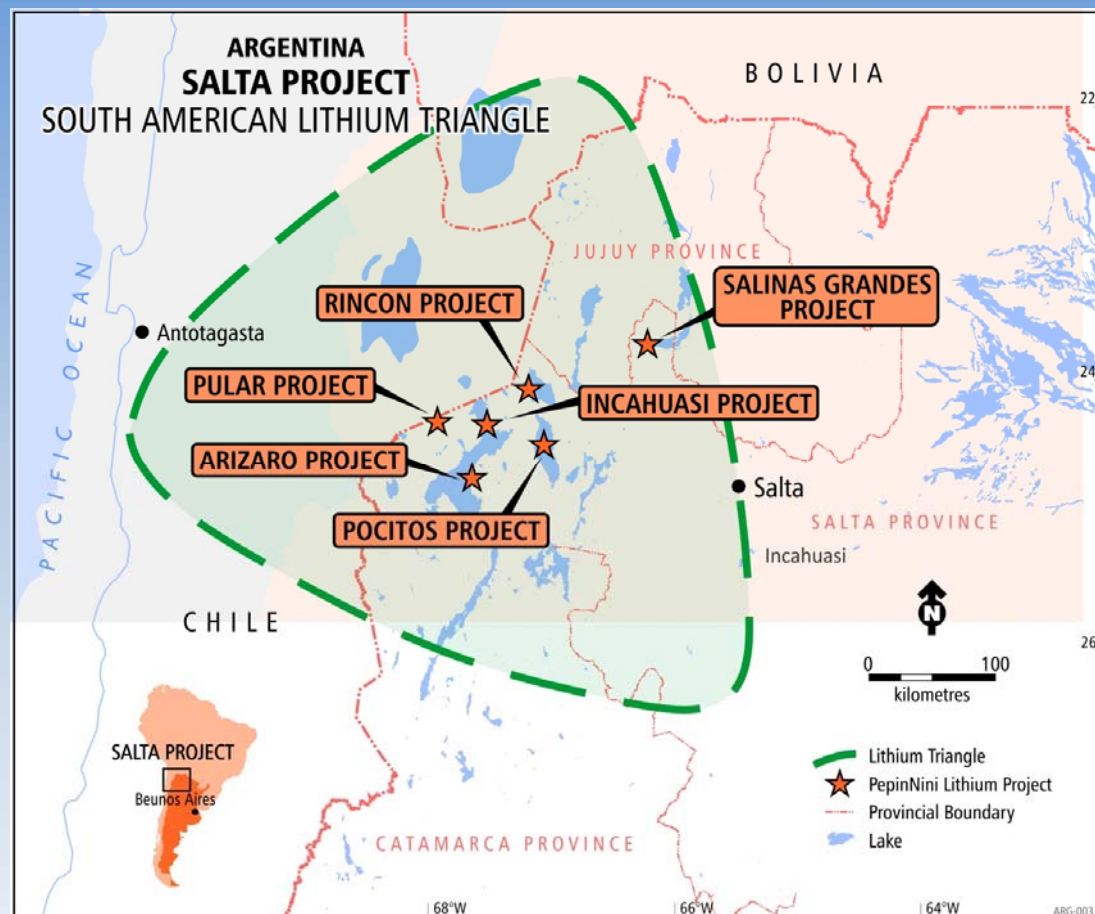
Source: Deutsche Bank, Asian Metals

Source - Deutsche Bank Markets Research March 2017



Strategic Tenure

- All within the South American Lithium Triangle
- All within Salta Province – mining friendly – well administered



PepinNini



Where we are exploring

AUSTRALIA



- 14 tenements, 14,618 km²
- Nickel, Copper, Cobalt

ARGENTINA



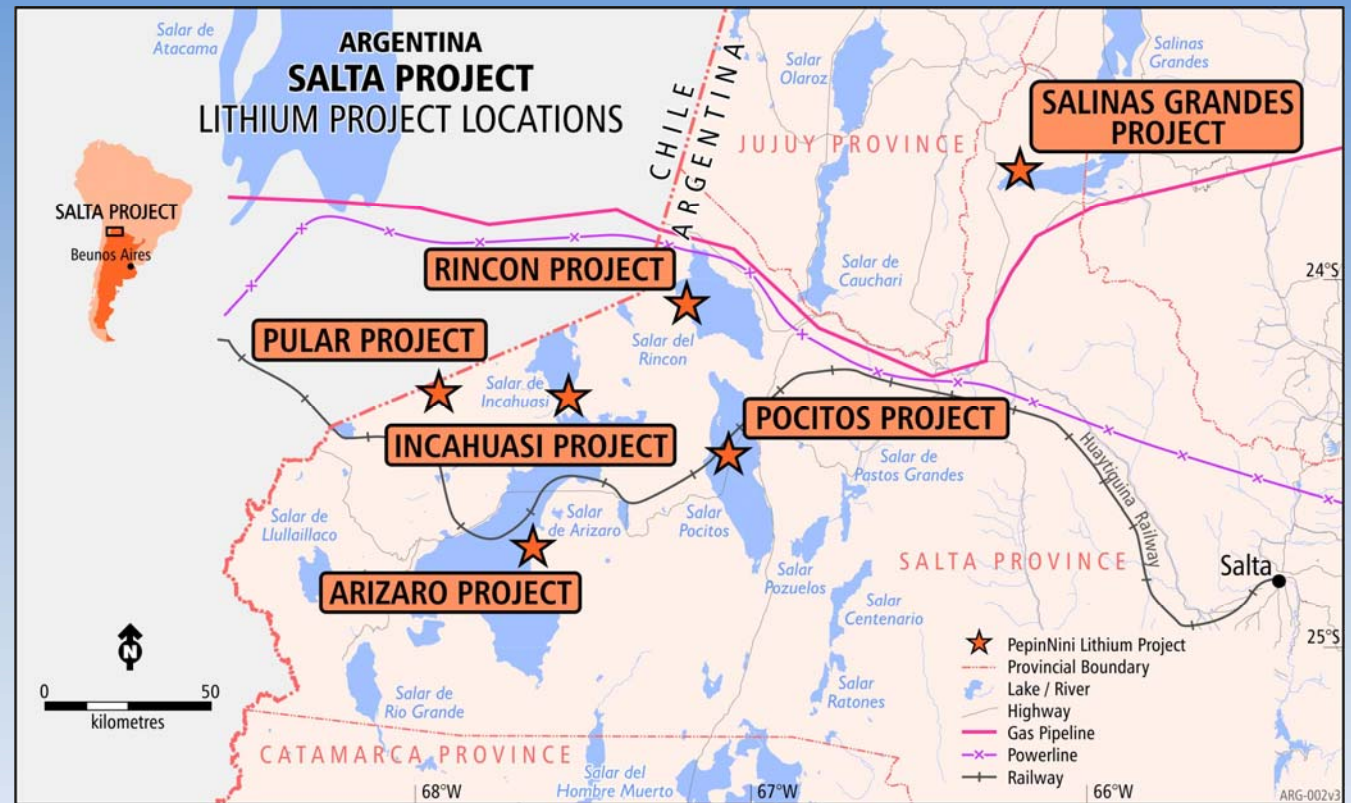
- 16 tenements, 40,184 ha
- Lithium Brine

Pepinini



Salta Lithium Brine Project

- ❑ 16 mining leases(minas) of 40,184 hectares
- ❑ All within the Lithium triangle
- ❑ Good infrastructure – gas, power & railway



Pepinini



Exploration Activity

- ❑ Argentine exploration team – local with expertise
- ❑ Completed geophysical surveys on 5 salars,
- ❑ Drilling and sampling program on-going



Pepinini



Recent activity

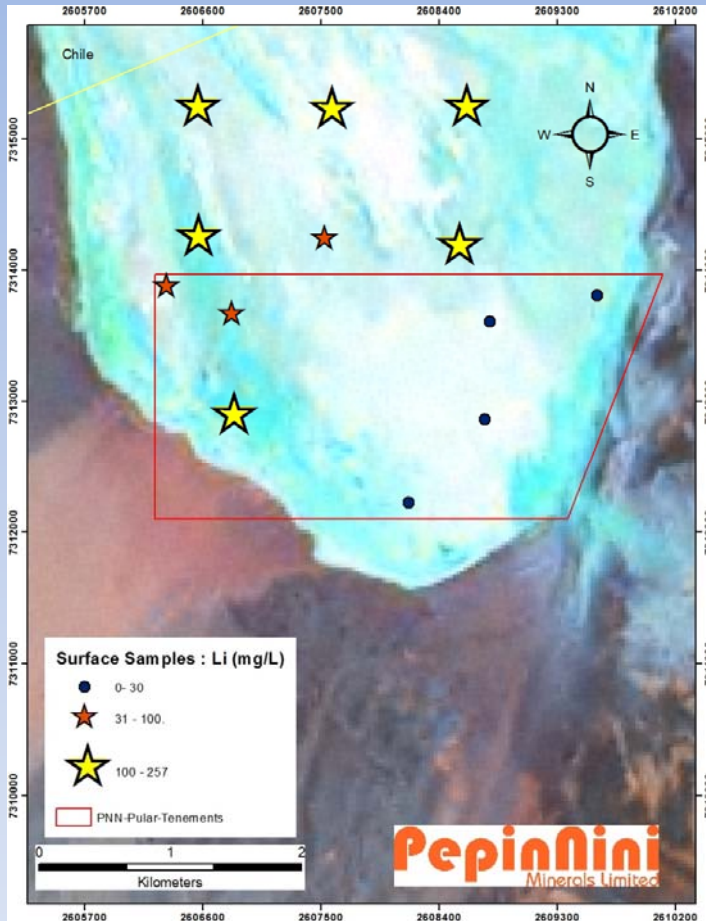
- ❑ Roadway permit and road works underway for drilling Salar de Pular
- ❑ Geophysical survey completed indicating potential brine bearing aquifers on Salar del Rincon
- ❑ Drilling permits lodged for Salar del Rincon and community visited



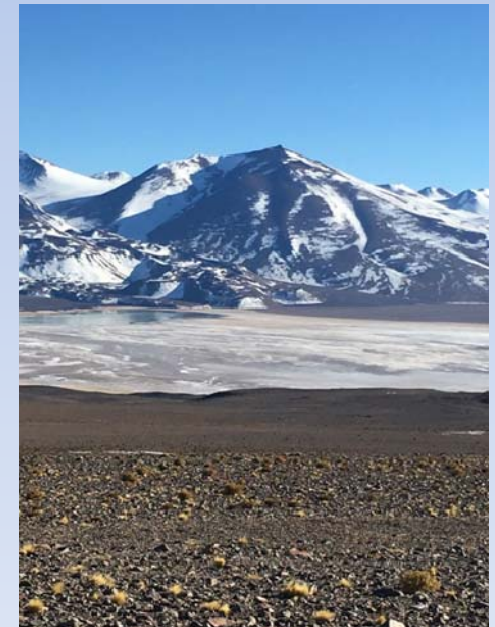
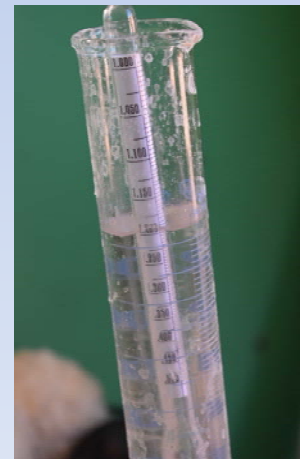
Pepinini



Salar de Pular – Exploration underway



- Lithium brine confirmed from surface samples in September 2016
- Permits for Road works received and works underway
- Drilling planned for late November and sample results expected December



Pepinini



Community engagement



Pepinini



Where we are

	2017
Shares on issue	483,968,689
Options on issue(unquoted)	6,750,000
No. shareholders	2,920
Top 20 shareholders	43.9% of capital
Working Capital 30 Sep 17	\$1.5m
Funds raised from equity to 30 June 17	\$4.6m
Exploration expenditure 1 July 2016 to 30 Sep 2017	\$2.7m



Pepinini



PepinNini Board of Directors



Rebecca Holland-Kennedy

B.Sc., B.Arts, MAusIMM, GAICD

Executive Chairman and Managing Director, Co-founder

Geologist with more than 35 years experience in exploration and management.



Sarah Clifton-Brown

B.Arts,(Hons) Accountancy, FCCA, GAICD

Executive Finance Director

Fellow of the Chartered Certified Accountants with more than 14 years experience in company administration, financial reporting and analysis.



Phil Clifford

B.Sc., MAusIMM

Non- Executive Director - Exploration Manager during FY17

Geologist with more than 25 years experience in exploration management within Australia; 15 years with Rio Tinto.



Robert (Wei) Sun

M.Econ (Commerce), M.Econ (IEM)

Non-Executive Director

Resource investment analyst with more than 12 years experience in international trade and the resource industries of China, Canada and Australia.



Justin Nelson

B.Arts(Jurisprudence)LLB

Company Secretary

Lawyer, previously ASX State Manager, SA and Manager, Listings (Adelaide). He has extensive knowledge of ASX listing rules and is a Special Council with DMAW Lawyers.



Ignacio Celorio

LLB/JD Partner

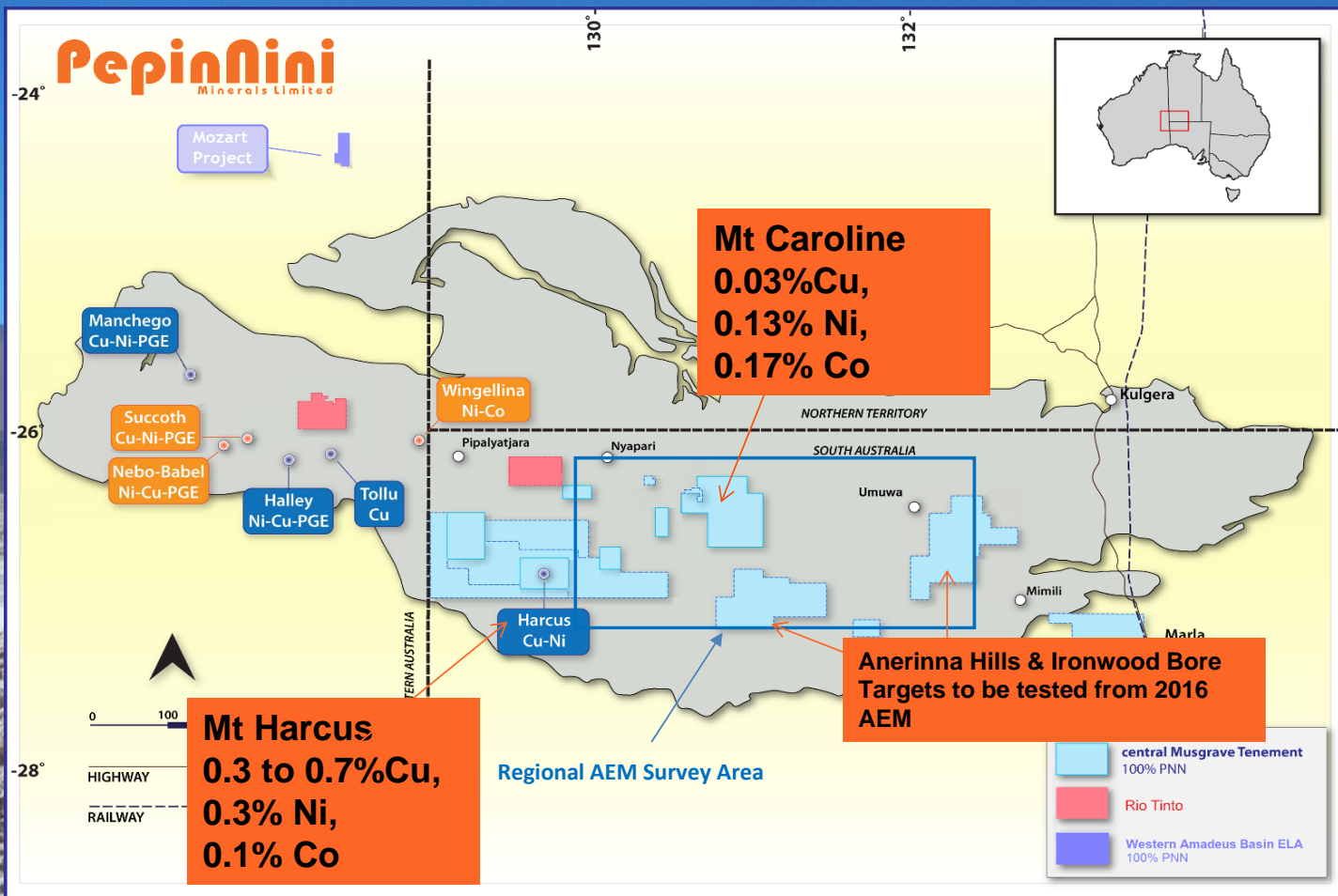
Director PepinNini SA

Lawyer with Quevedo Abogados Buenos Aires. *Distinguished Leading Individual* in areas of Energy and Natural Resources in Argentina

PepinNini



Musgrave Project – AEM completed



- Completion of PNN, CSIRO and SA Govt collaborative AEM survey
- Exploration targets identified for testing with company drilling equipment
- R&D tax refund of \$200,000



Pepinini

Pepinini

Nicu Minerals Limited

Portfolio Strategy – FY 2018 and beyond

PepinNini Lithium Limited

Lithium carbonate production by 2020

- Exploration test all tenure and focus on tenure with best grade resource potential
- Define lithium brine resource and develop pipeline of projects with defined resources
- Convert pumping test wells to production wells
- Scoping to pre-feasibility study for pre-eminent project
- Evaporate and concentrate Lithium brine
- Lithium carbonate production process design and testing
- Lithium carbonate (LCE) producer



NiCu Minerals Limited



- Focus on **Musgrave Project** and progress ELAs to grant
- Drill test AEM targets

PepinNini



The PepinNini Lithium Advantage

- ❑ Commodity demand high
- ❑ Large holding gives choice and versatility
- ❑ Soft brine advantage
- ❑ Experience in Argentina means efficiency and opportunity to come
- ❑ Lean, efficient and diligent exploration

Opportunities to come



Thank you



Disclaimer and Competent Persons Statement

- The information in this presentation is published to inform you about PepinNini Lithium Limited and its activities. All reasonable effort has been made to provide accurate information, but we do not warrant or represent its accuracy and we reserve the right to make changes to it at any time without notice.
- To the extent permitted by law, PepinNini Lithium Limited accepts no responsibility or liability for any losses or damages of any kind arising out of the use of any information contained in this presentation. Readers are advised to consult a stockbroker or professional adviser before making any investment decisions.
- The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by Philip Clifford BSc MAusIMM. Mr Clifford is a Non-executive Director of PepinNini Lithium Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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 Clifford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.
- The information in this presentation on the Salta Lithium project has been reviewed by Mark King Ph.D., P.Geo., F.G.C., Groundwater Insight, Inc, Halifax, Nova Scotia, Canada, who has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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 and Qualified Person for the Canadian National Instrument 43-101". Mark King consents to the inclusion in the report of the matters based on his information in the form and context in which it appears



We explore, we persist, we find

✓ Lithium - Argentina

✓ Nickel Copper Cobalt - Musgrave

✓ PepinNini – *the Battery company*

