



ENABLING THE NEW ENERGY PARADIGM

Plateau Energy Metals Inc. is a Canadian company focused on its **Lithium and Uranium** properties on the **Macusani Plateau** in southeastern Peru.



Strong Management Team & Board

- Exploration to operators and project finance leadership
- Peruvian technical, environmental, permitting and community relations teams



Consolidated Land Package

Macusani Plateau, Puno, Southern Peru

- 100% Control: 930 km² in the world's largest underdeveloped lithium and uranium district



Excellent Infrastructure

- Labour, water and hydro-electric power
- Transport (major highway)
- Reagents supply in-country



Mining Supportive Jurisdiction

- Supportive government and local communities



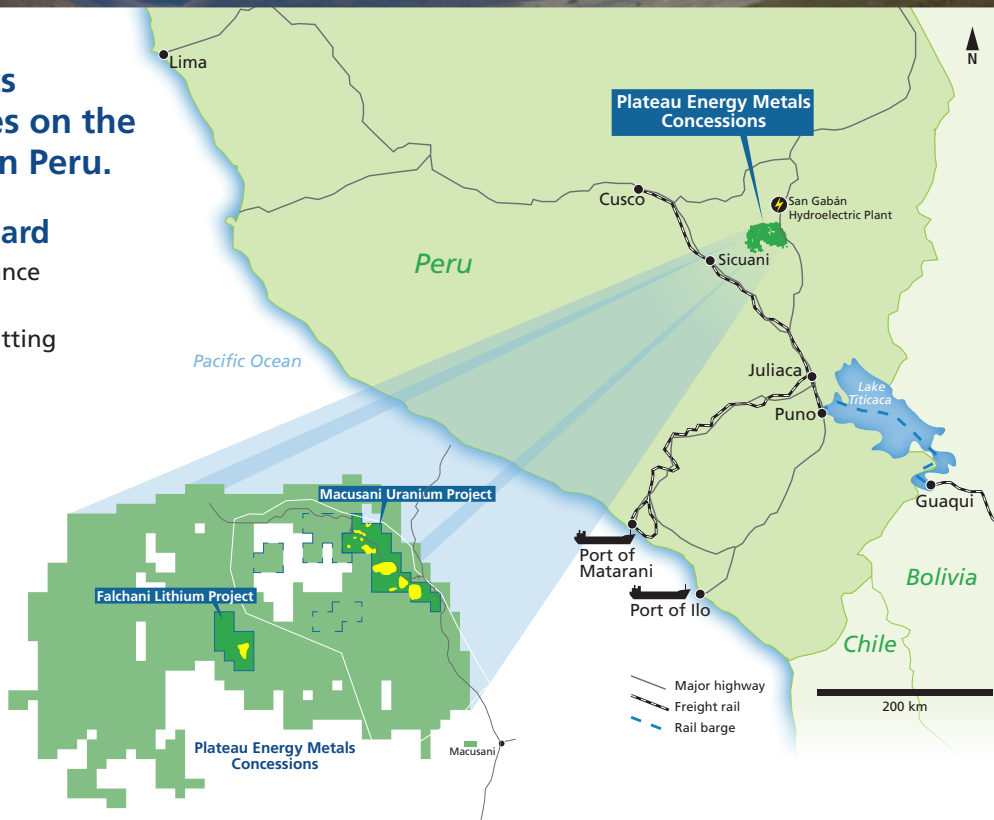
Falchani Lithium – Advanced Exploration

- High-grade volcanic-hosted lithium deposit
- Unique “hard rock” deposit – +3,400 ppm Li
- Large mineralized footprint – 30% drilled to date
- Broader target area 6 km x 5 km
- Discovery to Maiden Resource in 9 months



Macusani Uranium – Early Development

- Shallow, volcanic supergene/surficial uranium deposits
- Multiple satellite deposits, centralized processing plan
- Ability to fast track development path to feasibility
- Resilient project with optimization plans in review
- Scalable, flexible growth plan



Management & Board

Alex Holmes, *CEO, Director*

Laurence Stefan, *President & COO, Director*

Philip Gibbs, *CFO*

Ted O'Connor, *Director*
Technical Advisor, Uranium

Ian Stalker, *Chairman*

Maryse Belanger, *Director*

Wayne Drier, *Director*

Alan Ferry, *Director*

Christian Milau, *Director*

Shares outstanding (as at Dec 31, 2018)

~76.9 million

Market capitalization (as at Dec 31, 2018)

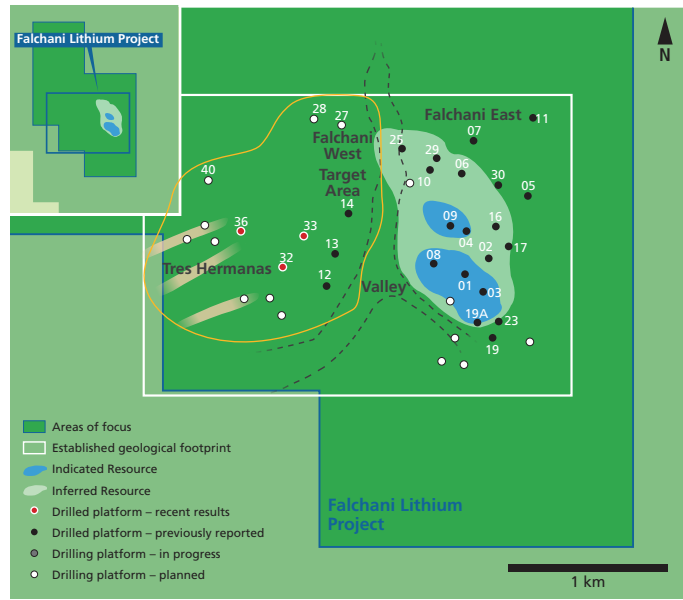
~C\$60 million

Analyst Coverage

Colin Healey, Haywood Securities Inc.

David Talbot, Eight Capital Corp.

Falchani Lithium Highlights



High Grade Lithium-rich Tuff

- Indicated*: 35Mt at 3,409 ppm Li (0.63MT Li_2CO_3) (equiv)
- Inferred*: 78Mt at 3,410 ppm Li (1.41Mt Li_2CO_3) (equiv)

Lithium-rich Tuff + Upper & Lower Breccia

- Indicated*: 41 Mt at 3,104 ppm Li (0.67MT Li_2CO_3) (equiv)
- Inferred*: 122 Mt at 2,724 ppm Li (1.76MT Li_2CO_3) (equiv)

Growth potential

- Maiden resource estimate is based on drilling that only covers 30% of the target area

Metallurgy

- Early testing indicates potential for battery grade lithium carbonate, with more test work results due Q1 2019

Development potential

- Scalable, bulk tonnage, near surface with PEA by Q2 2019

* Refer to "Mineral Resource Estimates for the Falchani Lithium Project in the Puno District of Peru" report filed on Sep 7, 2018 on SEDAR. The report is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

Macusani Uranium Highlights

Strong Project Economics**

- NPV = US\$ 603 M | IRR @ 40.6% | Pay-back in 1.8 years
- Large-scale with production of ~6 Mlbs U_3O_8 for 10 years
- Low cost: ~US\$ 17/lb cash costs and ~US\$ 300M initial capital
- Updated PEA Q3 2019

Uranium Resources***

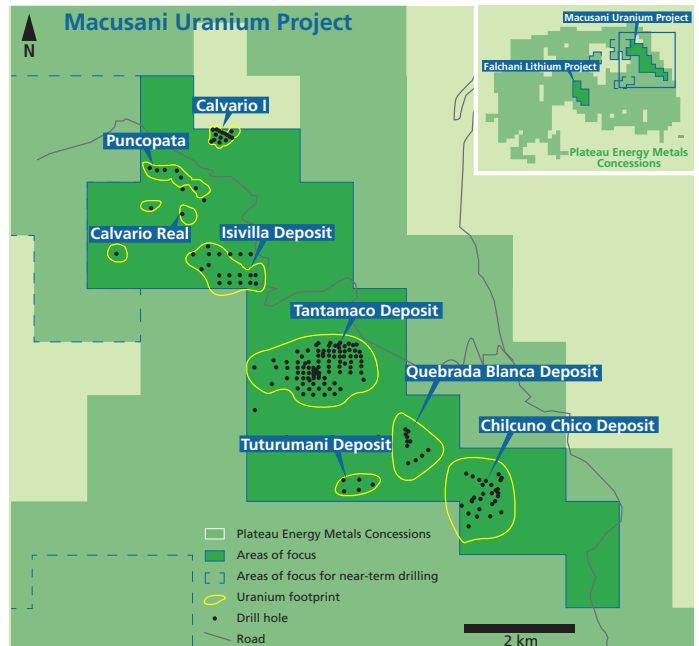
- Measured & Indicated: 52.9 Mlbs U_3O_8 (248ppm)
- Inferred: 72.1 Mlbs U_3O_8 (251ppm)

Growth

- +45 targets around the existing defined deposit

** Refer to "Macusani Project NI 43-1010 Report – Preliminary Economic Assessment" (PEA) filed on Feb 10, 2016 on SEDAR. The PEA is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

***Refer to "Consolidated Mineral Resource estimates for the Kihitian, Isivilla and Corani Uranium Complexes" report filed on Jun 22, 2015 on SEDAR. The report is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves. Mineral resources that are not mineral reserves do not have demonstrated economic viability.



Corporate Roadmap

Q1 2019

Falchani Trade-off Studies

High-level trade-off studies on process routes to select one or more optimal route(s)

Q1 2019

Falchani Resource Update

Incorporating Falchani West expansion drilling and Falchani East delineation + drilling post-resource

End of H1 2019

Falchani PEA

Lead engineer appointed January 2019

Dec 2018+

Macusani Optimization Work

Tank leach, vat leach and pre-concentration work programs
Follow up on extensions to known deposits, in between existing deposits and improved definition on deposits outside PEA mine plan

Q3 2019

Macusani – Updated PEA & Feasibility Fast Track

Targeting PEA Q3 2019
Advance to feasibility - ~18-24m from PEA



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Cautionary Language: This fact sheet contains certain forward-looking statements and forward-looking information, as defined under applicable Canadian and US securities laws. Forward-looking information may include, but is not limited to drill results and the interpretation of drill results, the Company's plans regarding further drilling and exploration and information regarding preliminary economic estimates. Many factors could cause actual results, performance or achievements to be materially different from any future results that may be expressed or implied by such forward-looking statements and information, including, among others, changes in general economic conditions or financial markets; those risks identified in the interpretation of drill results, the geology, grade and continuity of mineral deposits; the possibility that any future exploration, development or mining results will not be consistent with our expectations; risks related to commodity price and foreign exchange rate fluctuations; risks related to foreign operations; and those risks identified in Plateau Energy Metals' most recent MD&A, which is available at www.sedar.com. We do not assume any obligation to update forward-looking information, whether as a result of new information, future events or otherwise, other than as required by applicable law. Mr. Ted O'Connor, P. Geo., a Director of Plateau Energy Metals, and a qualified person as defined by National Instrument 43-101, has reviewed and approved the scientific and technical information contained in this fact sheet.