



**EUROPEAN METALS**

**CINOVEC**  
a globally significant  
previously mined lithium  
deposit in the heart of Europe



**RIU Conference**

February 2016

# Disclaimer and Cautionary Statement

---



## DISCLAIMER

This presentation has been prepared by European Metals Limited (“European Metals” or the “Company”). It is not a disclosure document and should not be considered as an offer or invitation to subscribe for, or purchase any securities in the Company or as an any, inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for securities in the Company will be entered into on the basis of this presentation. This presentation contains forecasts and forward looking information. Such forecasts, projections and information are not a guarantee of future performance, involve unknown risks and uncertainties. Actual results and developments will almost certainly differ materially from those expressed or implied. European Metals has not audited or investigated the accuracy or completeness of the information, statements and opinions contained in this presentation. Accordingly, to the maximum extent permitted by applicable laws, European Metals makes no representation and can give no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission, from any information, statement or opinion contained in this presentation.

Throughout this presentation all figures are quoted in AUD\$ dollars unless otherwise stated.

You should not act or refrain from acting in reliance on this presentation material. This overview of the Company’s Cinovec Project does not purport to be all inclusive or to contain all information which its recipients may require in order to make an informed assessment of the Cinovec Project’s prospects. You should conduct your own investigation and perform your own analysis in order to satisfy yourself as to the accuracy and completeness of the information, statements and opinions contained in this presentation before making any investment decision.

Information in this presentation that relates to Exploration Results, Mineral Resources or Ore Reserves is based on previous announcements made by European Metals (or other relevant parties) to the ASX and AIM.

This presentation does not constitute financial product advice (nor investment, tax, accounting or legal advice) and has been prepared without taking account of any person’s investment objectives, financial situation or particular needs.

# Disclaimer and Cautionary Statement

---



## CAUTIONARY STATEMENT

The Cinovec Scoping Study financials referred to in this announcement (see page 13) are based on low level technical and economic assessments and is of insufficient certainty, under the JORC Code and ASX Listing Rules and guidance, to permit the technical and economic parameters required to imply economic viability. Investors should note that for the Company to establish economic viability of the Cinovec Project, the Company would need to upgrade an appropriate portion of its Inferred and Indicated Mineral Resources to a higher level of confidence with sufficient consideration of mining, processing, metallurgical, infrastructure, economic, marketing, legal, environmental, social and governmental factors. There is no assurance of an economic development case at this stage, or any certainty that conclusions of the study will be realised. The Scoping Study is based on the Company's Indicated and Inferred Tin Mineral Resource and should not be solely relied upon by investors when making investment decisions.

There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the conversion of Inferred Mineral Resources to Indicated or Measured categories.

## COMPETENT PERSON

The Exploration information in this presentation is based on information compiled by Mr Widenbar who is a recognised geologist and consultant to European Metals. Mr. Widenbar has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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 Widenbar consents to the inclusion in this presentation of the matters based on his information in the form and the context in which it appears.

# Large, low cost lithium in the heart of Europe

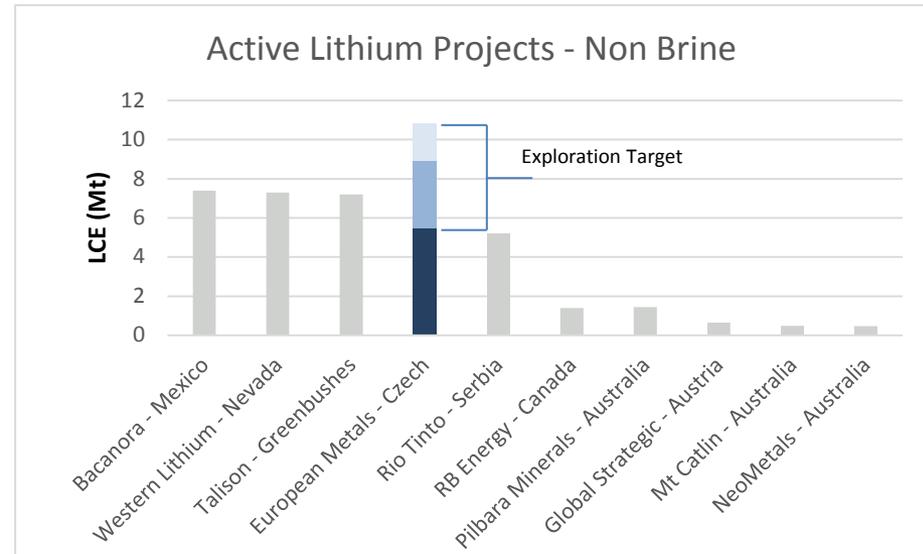


**Cinovec - a 100% owned globally significant lithium and tin deposit**

**Cinovec - the largest lithium resource in Europe with substantial exploration upside**

**Low cost lithium carbonate production, particularly with by-products included**

- Indicated and Inferred Resources defined
- Scoping Study complete
- Drilling in progress



# Lithium

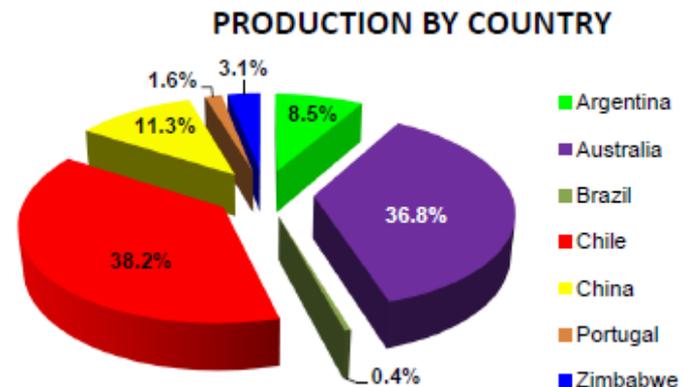
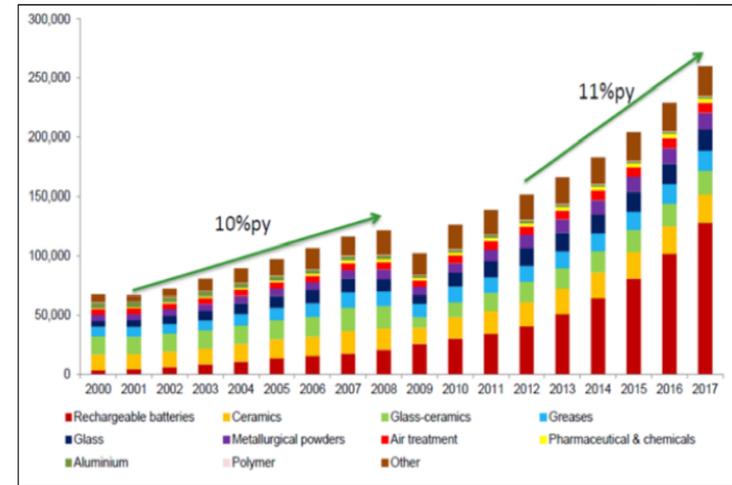


Lithium ion technology revolutionised the battery industry

Demand for lithium batteries forecast to grow from 65kt LCE in 2015 to 163kt LCE in 2020

Estimated value of global market in 2020 – US 70 billion

Lithium carbonate price increased from US 6,800/t in Oct 14 to US 9,800/t in Oct 15



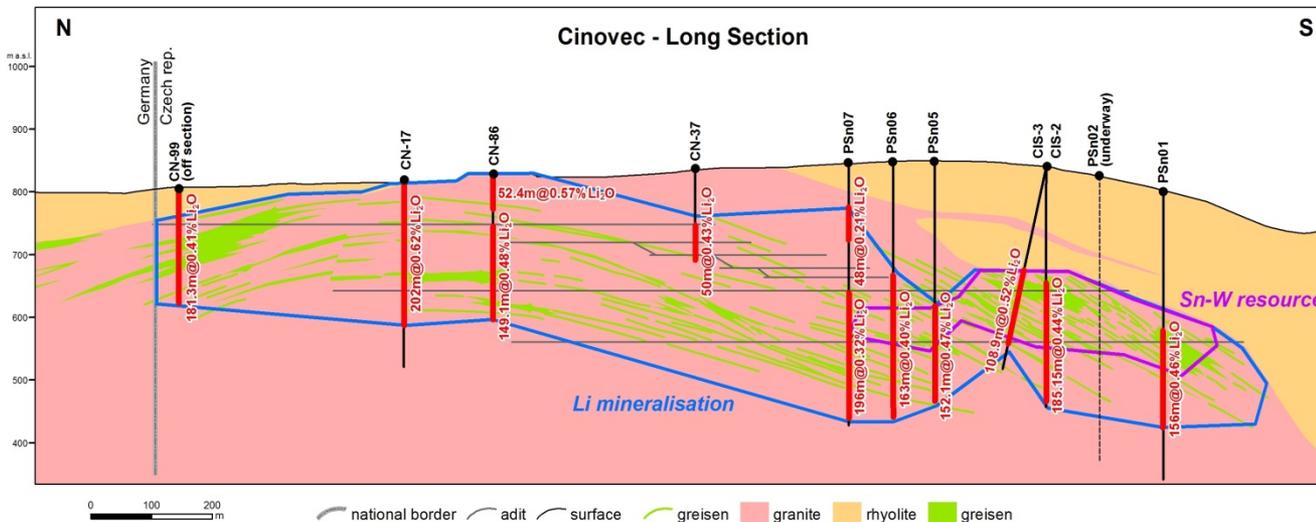
# Cinovec Deposit



- >80km historic diamond drilling, 21.5km historic development tunnels at Cinovec South
- 3 diamond holes drilled in 2014 by EMH
- **Drilling in progress**
- Inferred Resource 5.5Mt LCE; 514.8Mt @ 0.43% Li<sub>2</sub>O
- Exploration Target 3.4-5.3Mt LCE; 350-450 Mt @ 0.39-0.47% Li<sub>2</sub>O
- Indicated and Inferred Tin Resources 183kt tin
  - Indicated 7.0Mt @ 0.23%Sn, 0.05%W, 0.50% Li<sub>2</sub>O
  - Inferred 72.7Mt @ 0.23% Sn, 0.03% W, 0.45% Li<sub>2</sub>O

Hole	From	To	Width (m)	Li <sub>2</sub> O (%)
CN-17	22.0	224.0	202.0	0.62
CN-86	5.0	211.5	206.5	0.51
CN-99	0	181.3	181.3	0.41
CN-82	2.5	240.0	237.5	0.40
CN-51	233.0	407.2	174.2	0.43
CN-112	207.0	409.5	202.5	0.49

Select historic lithium drill intercepts

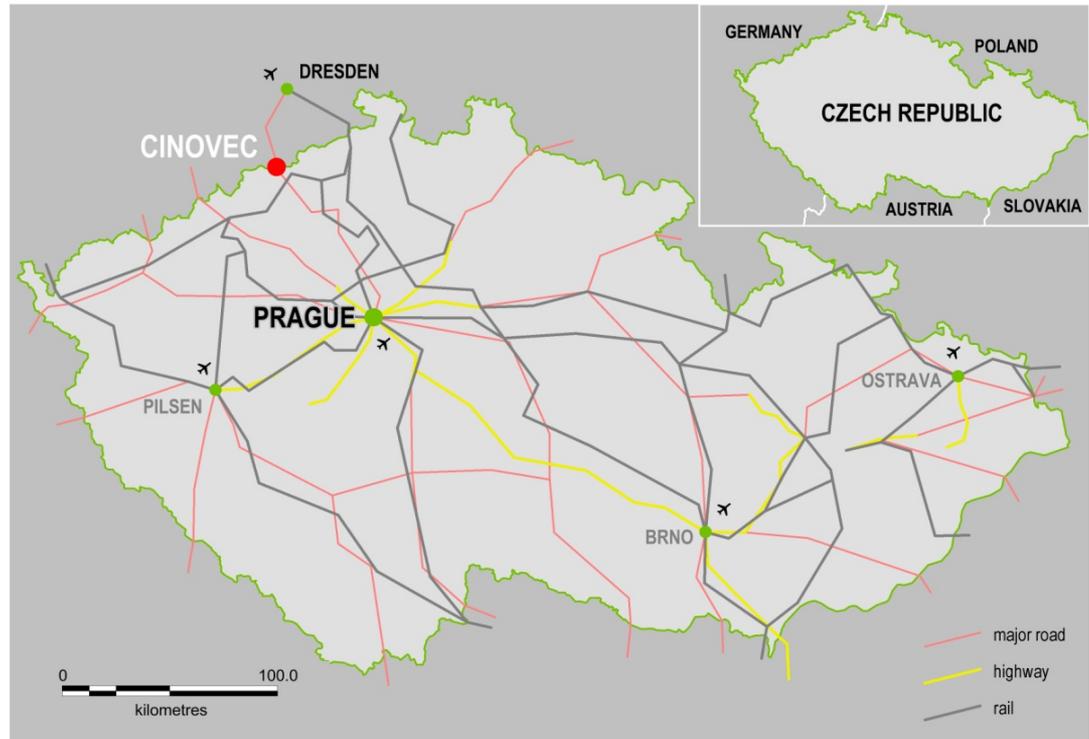


**CAUTIONARY STATEMENT**  
 The potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource

# Cinovec Location



- Located in the heart of Europe with ready access to end user car makers and companies involved in energy storage
- Large industrial and chemical plants with excellent support services in Czech and Germany
- Two rail lines within 10km of the deposit
- Adjacent to a main road
- Close to primary coal mining and power producing areas in the Czech Republic
- 22KvA transmission line to the project
- Good water supply and miscellaneous infrastructure



# Cinovec Scoping Study



- Potential for development of Cinovec to be technically and financially viable
- Mine design work suggests Cinovec could be a bulk underground mining operation
- Traditional gravity processing to produce tin and tungsten concentrates
- High tin and tungsten recoveries producing high grade, clean concentrate
- Tails from gravity plant concentrated and then fed to lithium processing plant; battery grade lithium carbonate produced via atmospheric leach
- Costs estimated by independent consultants, based on quotes and data from recent projects using industry-standard estimating factors

KEY INPUTS AND OUTPUTS – SCOPING STUDY		
Pre-production CAPEX		US\$326 million
OPEX	Mining	US\$27.04/t ore mined
	Tin plant	US\$11.24/t treated
	Lithium plant	US\$39.14/t treated
ANNUAL PRODUCTION	Li <sub>2</sub> CO <sub>3</sub>	19,400t
	Sn	4,200t
	W	800t
Annual opex		US\$125 million
Annual revenue		US\$233 million*

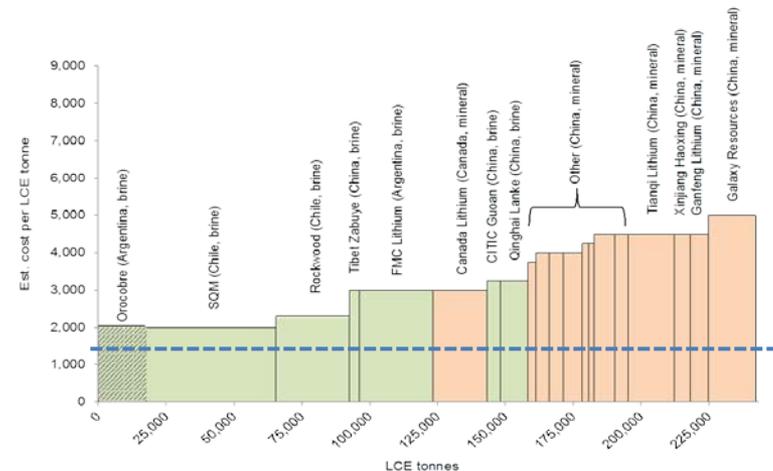
\*commodity prices applied: US\$22,500/t Sn, US\$330/mtu APT (W), US\$6,500/t Li<sub>2</sub>CO<sub>3</sub>, \$640/t potash  
annual operating costs and revenue are average of first 5 years at 2Mtpa processing rate

\* This statement is not intended in any way to imply that Cinovec will produce at these rates, or at any rates inside or outside of those figures, or at all, at any time in the near or distant future.

# Lithium Processing



- Currently evaluating four separate processing alternatives – all of which have successfully produced lithium carbonate
- HoA with Lithium Australia (ASX:LIT) to trial proprietary atmospheric leach for lithium recovery
  - Battery-grade  $\text{Li}_2\text{CO}_3$  precipitated from Cinovec sample, significant by-product potash ( $\text{K}_2\text{SO}_4$ )
- Lithium process production cost estimated to be approximately **\$1,500/t** lithium carbonate net of potash credit
- Potential to further lower production cost in areas of higher grade tin/tungsten mineralisation



EMH Target Cost (net of by-products)

# Corporate Snapshot



ASX Code	EMH
CDIs	87.0 million
Options (June 2016 @ 10c)	21.9 million
Market Cap at 14c per share (CDIs)	12.2 million



Shareholder Structure	
Rare Earth Minerals plc	12.0%
Held by Directors	12.0%
Top 20 Shareholders	64.6%
(Czech Shareholders	11.6%)

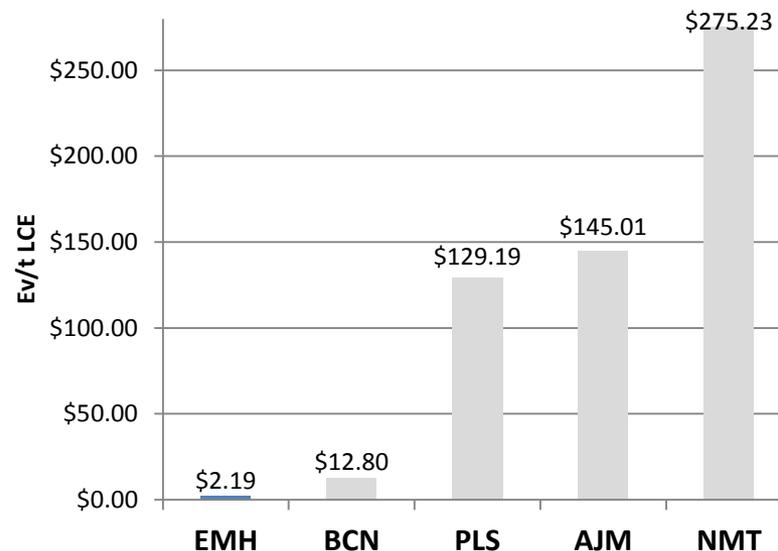
Directors and Senior Management	
Dave Reeves	Non-executive Chairman
Keith Coughlan	Managing Director
Pavel Reichl	Non-executive Director
Kiran Morzaria	Non-executive Director

# Market Comparatives



## Lithium

- Bacanora Minerals (TSX/AIM:BCN)
  - Sedimentary/clay lithium and borate deposits, northern Mexico
- Altura Mining (ASX: AJM)
  - Pilgangoora pegmatite deposit, Australia
- Neometals (ASX:NMT)
  - Mt Marion pegmatite deposit, Australia
- Pilbara Minerals (ASX:PLS)
  - Pilgangoora pegmatite deposit, Australia



	EMH	BCN	AJM	NMT	PLS
<b>Compliant resource</b>	5.5Mt LCE	7.3Mt LCE <sup>1</sup>	0.7Mt LCE	0.2Mt LCE <sup>3</sup>	2.2Mt LCE
<b>Market cap. (AUD million)</b>	\$13	\$126	\$82	\$137	\$305
<b>Li project EV (AUD million)</b>	\$12	\$93 <sup>1</sup>	\$97 <sup>2</sup>	\$52 <sup>2</sup>	\$284 <sup>4</sup>
<b>EV/t LCE (AUD)</b>	\$2.19	\$12.80	\$145.01	\$275.23	\$129.19

<sup>1</sup> 7.3Mt LCE attributable to BCN; 88% of EV ascribed to lithium project, based on reported NPV

<sup>2</sup> AJM has \$16 million debt related to purchase of a coal asset in Indonesia

<sup>3</sup> 0.19Mt LCE attributable to NMT; 76% of EV ascribed to lithium project, based on recent research note

<sup>4</sup> 97% of PLS EV ascribed to lithium project based on information in recent research note

# 2016 Program

---



- Continued drilling to allow estimation of Indicated Resource for basis of PFS
- Trade off studies regarding early access to ore, plant locations and finalising lithium process route
- Pilot testwork on chosen lithium carbonate method including potash production
- Commence environmental work and secure preliminary mining permit
- Commence discussions with potential strategic partners
- Target EU for grants to assist in pilot development/studies
- Complete PFS

# Investment Summary

---



- Cinovec is the largest lithium resource in Europe and one of the largest non-brine lithium resources in the world
- Cinovec is potentially a low cost producer of lithium carbonate (nett of by product credits)
- Cinovec is located in Europe – the second largest importer of lithium in the world
- EMH is trading at a significant discount to peers on any comparative basis