# **Chinalco Yunnan Copper Resources Ltd**



**ASX : CYU** 



Elaine Discovery and APEC Exploration program

September 2011

**RIU – Melbourne Resources Roundup - Investor Presentation** 

# **Cautionary Note and Competent Persons Statement**

#### **Cautionary Note**

Whilst this document and presentation is based on information from sources which are considered reliable, Chinalco Yunnan Copper Resources Ltd (**"Chinalco Yunnan"**), its employees and consultants do not represent, warrant nor guarantee, by expression nor implication, that the information in this document and presentation is complete or accurate. To the maximum extent permitted by law, Chinalco Yunnan disclaims any responsibility to inform any recipient of this document and presentation of any matter that subsequently comes to its notice, which may affect any of the information contained in this document and presentation.

Copper equivalent (CuEq) calculations represent the total metal value for each metal, multiplied by the conversion factor, summed and expressed in equivalent copper percentage. These results are exploration results only and no allowances are made for recovery losses that may occur should mining eventually result. However it is the company's opinion that elements considered here have a reasonable potential to be recovered. Long-term price assumptions and copper equivalent conversion factors are summarised below:

Cu equivalent formula = Cu (%) + (Co (ppm) x 0.0005) + (Au (g/t) x 0.7066)

Price assumptions – Cu (US\$3.36/lb), Co (US\$15.42/lb), Au (US\$1628/oz), Current market prices: 5pm 27/09/2011

#### **Competent Persons Statement**

The information in this report that relates to Exploration Results for the Elaine, Mount Dorothy, Chile and Laos projects is based on information compiled by Richard Hatcher, who is a Member of the Australian Institute of Geologists, and is the Exploration Manager of Chinalco Yunnan Copper Resources Ltd. Mr Hatcher has sufficient experience relevant to the styles of mineralisation and type of deposits under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results and Mineral Resources". Mr Hatcher 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 report that relates to the Inferred Resource for the Elaine Project is based on information compiled by Jason Beckton, who is a Member of the Australain Institute of Geoscientists and is Managing Director of Chinalco Yunnan Copper Resources Ltd. Mr Beckton has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for\Reporting of Exploration Results and Mineral Resources". Mr Beckton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



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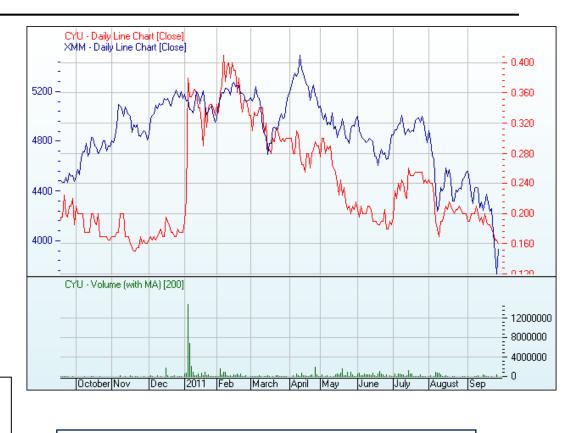
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#### Summary

Price	A\$0.16
ASX Code	CYU
Shares issued	156M
Options	15.5M
Market Cap	A\$25M
Cash	A\$10M

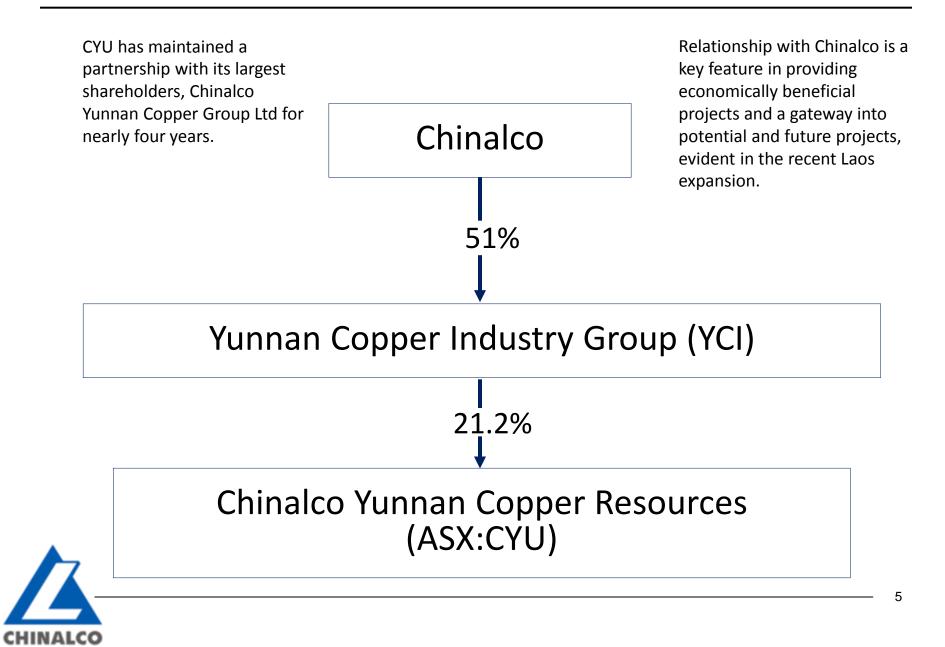
Chinalco Yunnan Copper Resources Ltd ("CYU") have a copper sulphide & associated metal focus in the APEC Region.



- Top 20 shareholders hold 66% of CYU
- Yunnan Copper Industry Group 21.2%
- Approx 1,000 shareholders



#### **Summary – Cornerstone Investor**



### **Recent Updates**

Australia - Drilling Now

Mary Kathleen JV with Goldsearch Ltd (ASX:GSE) -

- Elaine New Sulphide Zone Discovery 122.7m @ 0.55% Cu, 317g/t Co and 0.08gt (0.76% CuEq\*) from 487 m downhole (MKED007). Resource growth of existing REE inventory, also new copper zone overlapping REE zone. Drilling underway – initial results from early October.
- Mount Dorothy Copper, Cobalt, Yttrium (Y) and Heavy Rare Earth Element (HREE) discovery. DDH Drilling Completed, RC Drilling pending October start.
- **Chile** Drill Preparation, Drilling 2011.

Company maker targets in Copper Porphyry Exploration Program in worlds premier copper jurisdiction with tier one partners in Rio Tinto.

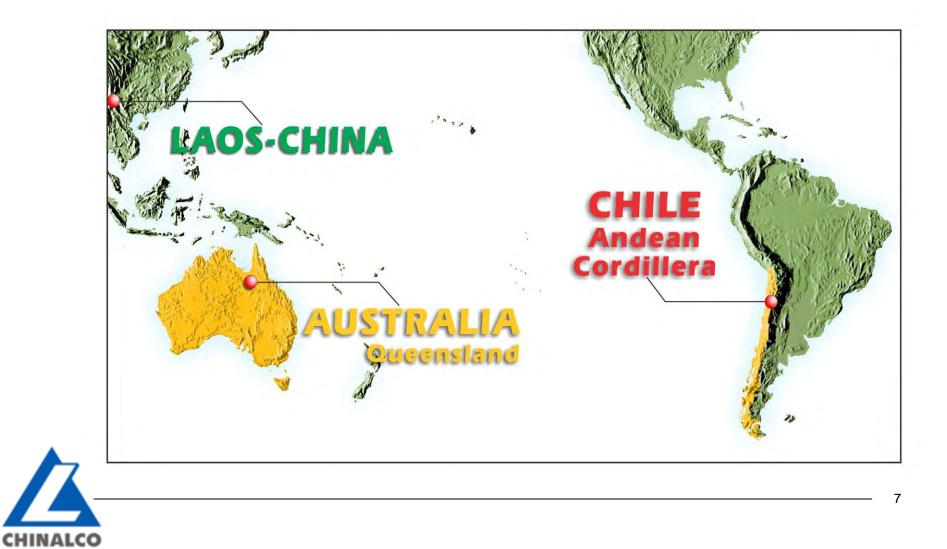
Laos – Drill Preparation, Trenching, Drilling 2011.

Copper Silver Development JV to prove up and grow existing resources in 2011 to feed nearby processing facilities. Drilling through 2011 subject to EGM in October.



#### **APEC Presence**

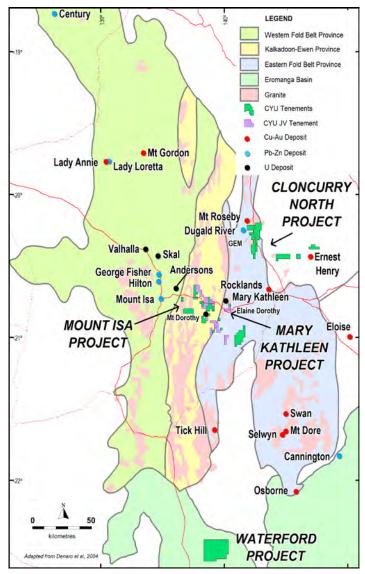
CYU is exploring projects for Copper REE in Australia, Chile and Laos.



# **Projects - Australia**

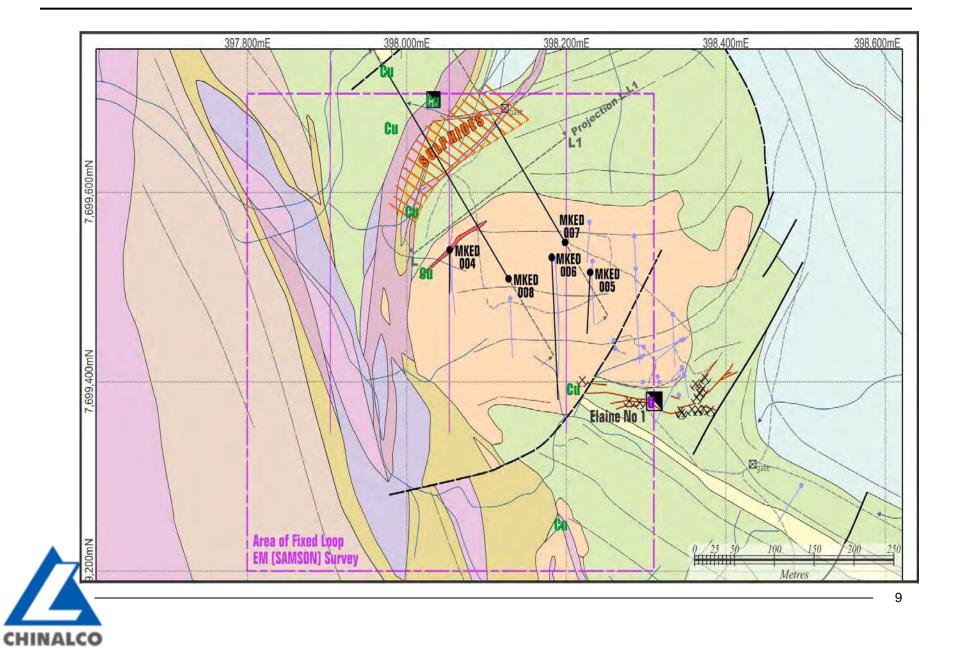
**Queensland** – Copper-Cobalt- REE-Uranium

- Entire Belt unexplored for Rare Earth
  Elements as per the recent Mount Dorothy
  Heavy REE Copper Cobalt discovery.
- List of targets beyond Elaine Copper REE Discovery and Mount Dorothy to be tested in due course (Elaine existing JORC Inferred 83kt @ 3,200 ppm Total Rare Earth.
- Farmout of Cloncurry North JV to Yunnan Exploration Department – utilising investment by the Chinese government to explore tier 2 exploration targets





# **Elaine – Copper-Cobalt-REE-Uranium**



# Elaine – MKED007 - ASX 15<sup>th</sup> July 2011

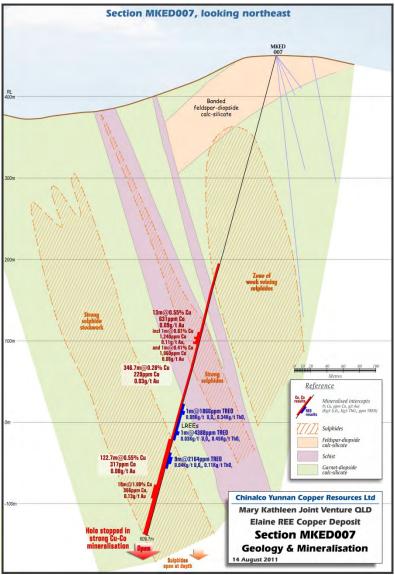
Broad intersection of visual Sulphide Mineralisation-

346.7m @ 0.28% Cu, 220ppm Co & 0.03g/t Au (0.40% CuEq\*) from 263m (Open)

Copper mineralisation at 0.2% Copper cut-off 122.7m @ 0.55% Cu, 317ppm Co and 0.08 (0.76% CuEq\*) from 487m(Open)



MKED007 – ~160m – 0.61%Cu, 1,240ppm Co and 0.11g/t Au (1.25% CuEq\*)



# Elaine – MKED008 - ASX 15<sup>th</sup> July 2011

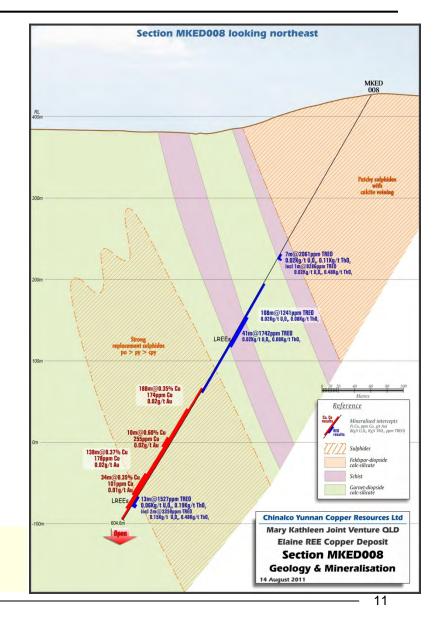
Broad intersection of visual Sulphide Mineralisation-

188m @ 0.35% Cu, 174ppm Co & 0.02g/t Au (0.45% CuEq\*) from 415m (Open)

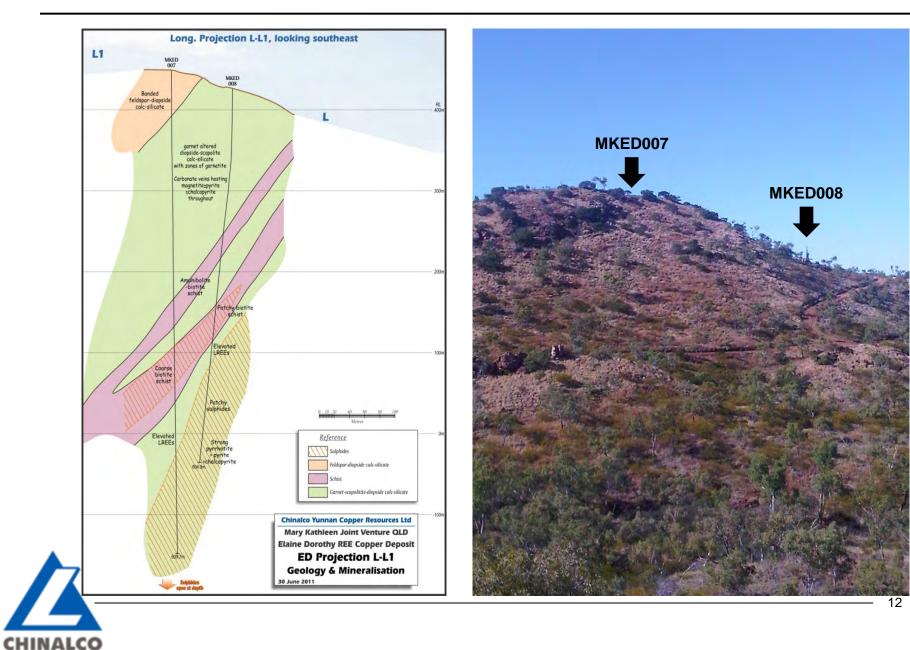
Copper mineralisation at 0.2% Copper cut-off 138m @ 0.37% Cu, 178ppm Co and 0.02 (0.47% CuEq\*) from 448m(Open)



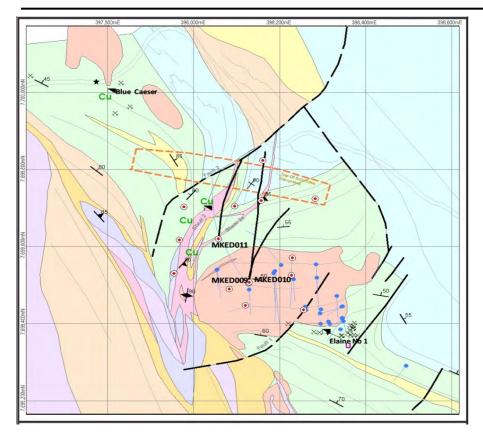
MKED008 – ~454m – 3.72%Cu, 61ppm Co and 0.43g/t Au (4.06% CuEq\*)



#### **Elaine – Longitudinal Section**

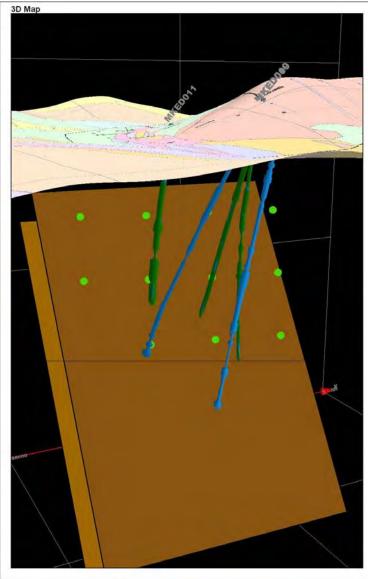


# **Elaine – Delineation Drilling Underway**



Broad EM anomaly defined from SAMSON EM Survey conducted in Aug 2011.





#### **Elaine – Delineation Drilling Underway**



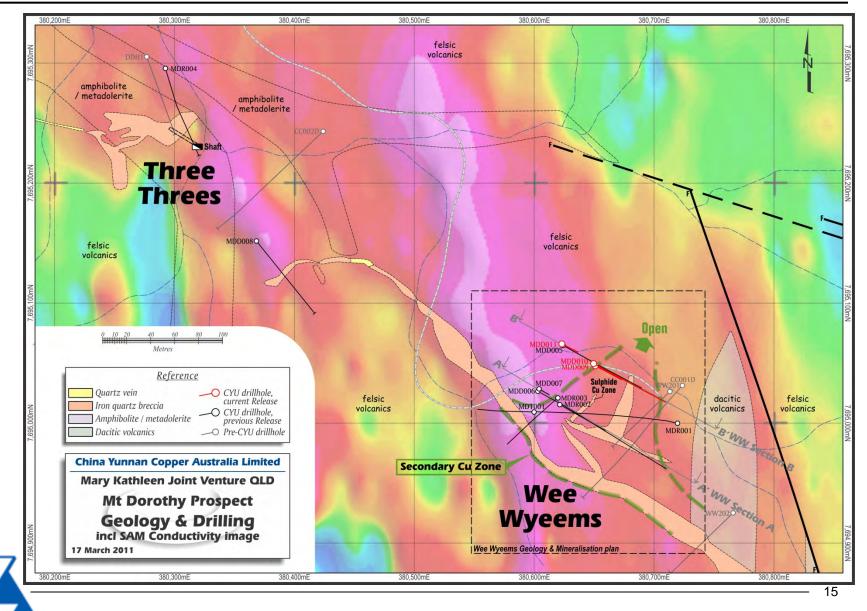
# MKED011 – 160m – Disseminated chalcopyrite+ pyrrhotite+ pyrite



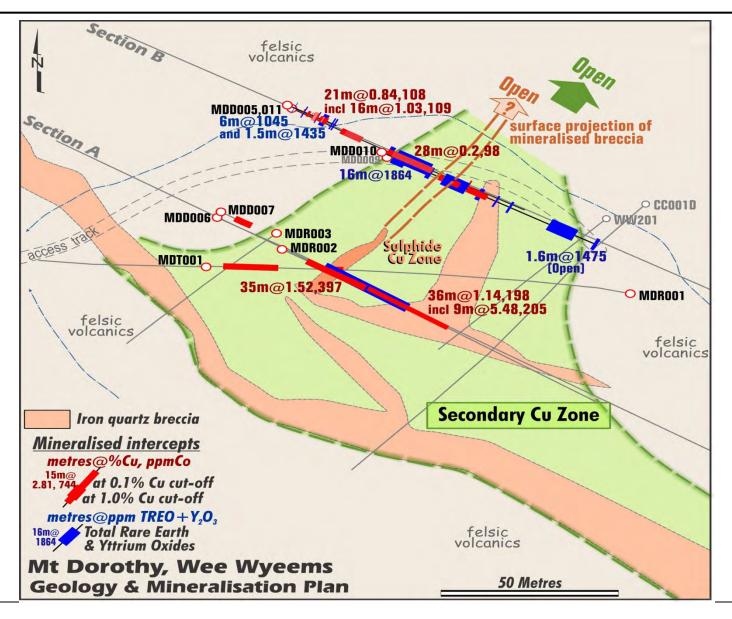
MKED009 – 508m – Massive uraninite ("pitchblende") +/- allanite PXRF – 5,850 ppm U. (6.9 kg/t U<sub>3</sub>O<sub>8</sub>)



#### **Mount Dorothy – Copper-Cobalt-REE**



## **Mount Dorothy – Copper-Cobalt-REE**

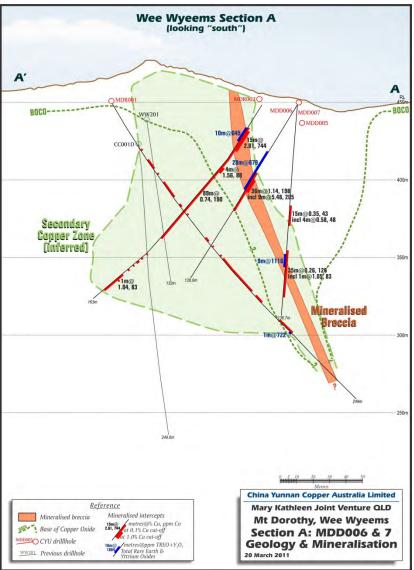


#### Mount Dorothy – MDD006 – ASX 22<sup>nd</sup> March 2011

MDD006 Intersection of visual Sulphide Mineralisation-

36m @ 1.54% Cu, 198ppm Co from 50m inc. 9m @ 5.5% Cu, 205ppm Co from 55m





#### Mount Dorothy – MDD011 – ASX 22<sup>nd</sup> March 2011

MDD005 New Discovery of HREE+Y mineralisation. Dominated by Y, Dy, Eu and Ho.

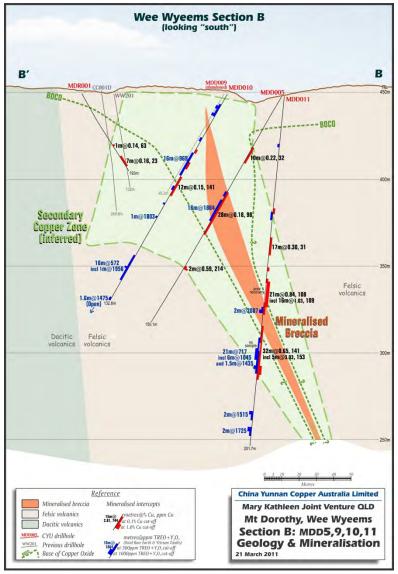
16m @ 1,864 TREO+Y from 71m

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MDD011 Intersection of Sulphide Mineralisation-

21m @ 0.84% Cu, 108ppm Co from 104m inc. 17m @ 1.03% Cu, 109ppm Co from 105m





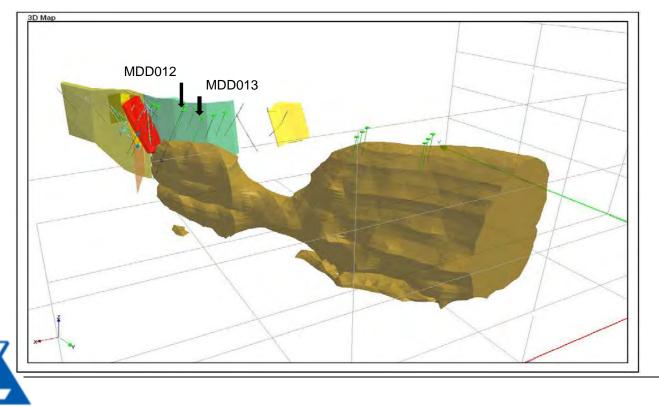
#### **Mount Dorothy – SAM 3D Inversion**



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Surface expression of Iron oxide Breccia outcrop.

SAM 3D inversion processing defines Conductivity anomaly ~700m long trending north - northwest and 40m to 130m.



DDH - MDD012 and MDD013 drilled in Aug 2011.

2,000m RC program to commence mid-Oct 2011.

# **Mount Dorothy – Delineation Drilling – Oct 2011**



Surface exposure of Iron Oxide Breccia outcrop – Wee Wyeems

Surface exposure of copper mineralisation in Iron Oxide Breccia outcrop – Three Threes





# **Projects - Chile**

#### Chile - Porphyry Copper Exploration

CYU Farming into
 Palmani, Caramasa and
 Candelabro - Rio Tinto
 properties.

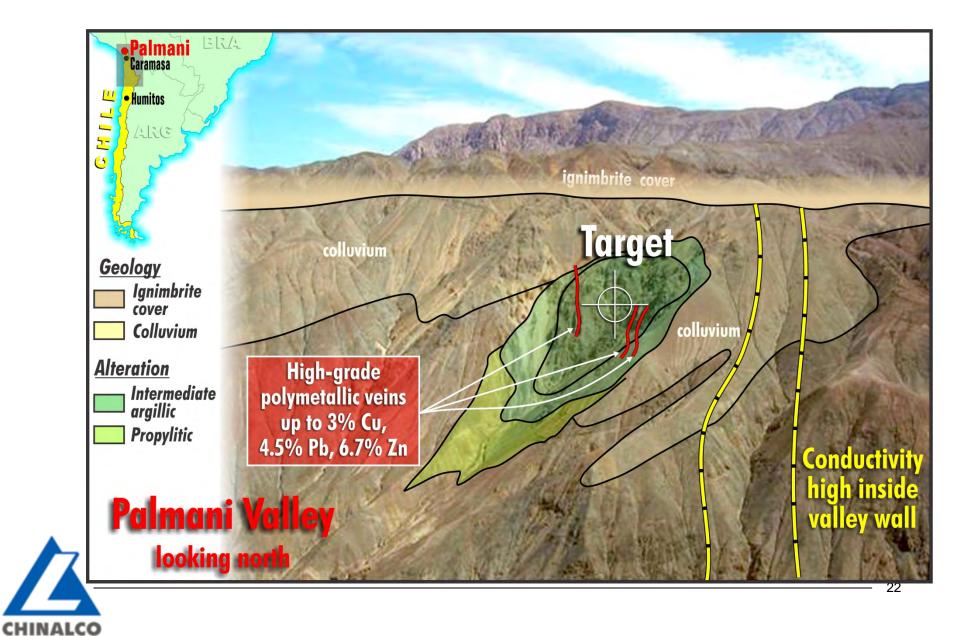
• Humitos 100% CYU owned.

Mega Scale Greenfields
 Porphyry Copper
 Exploration

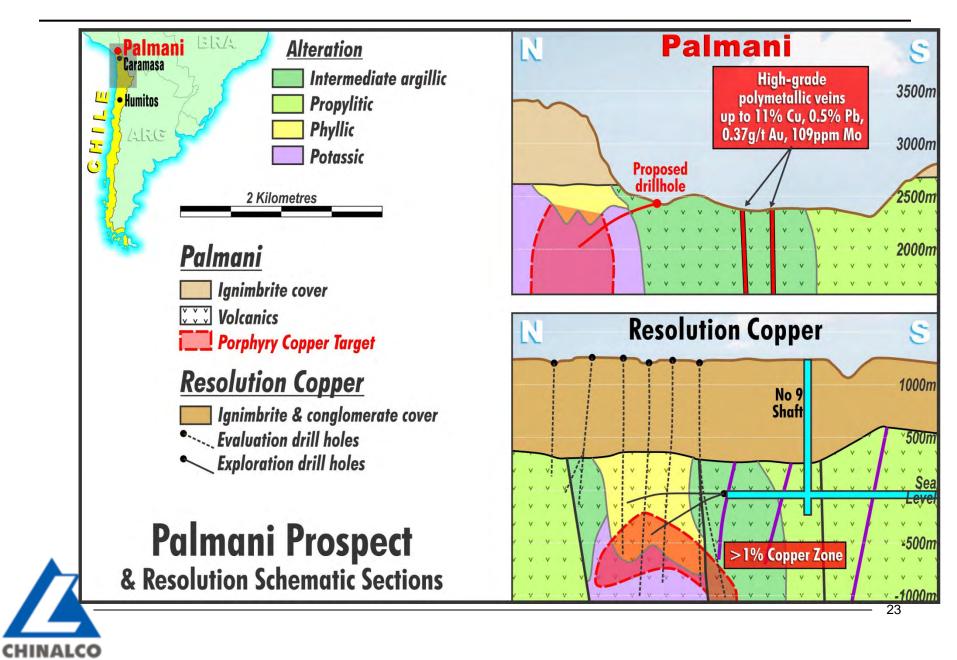




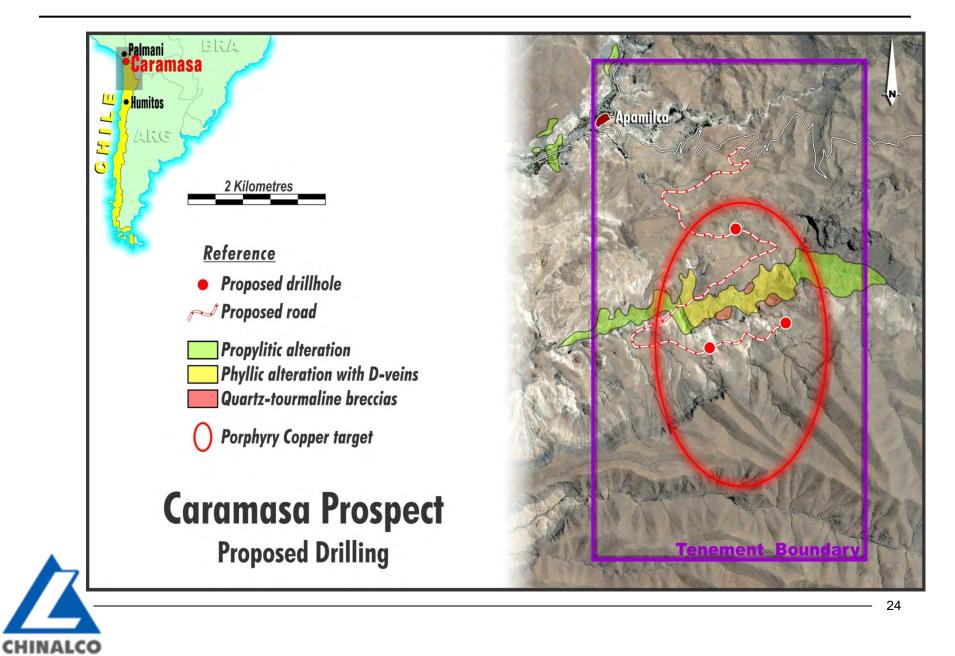
#### **RIO TINTO JV - Palmani**



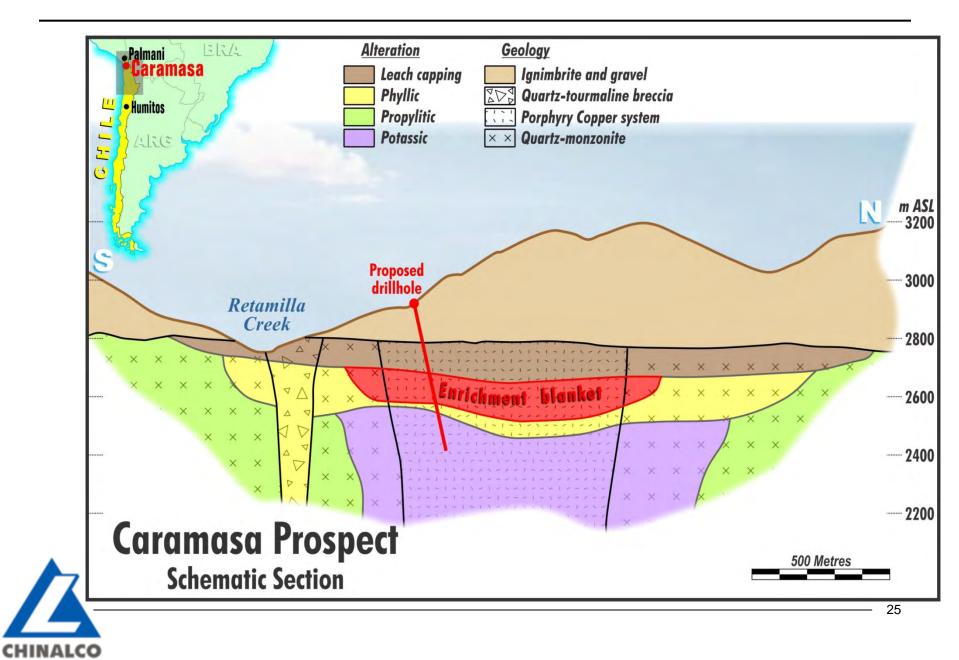
# **RIO TINTO JV - Palmani**



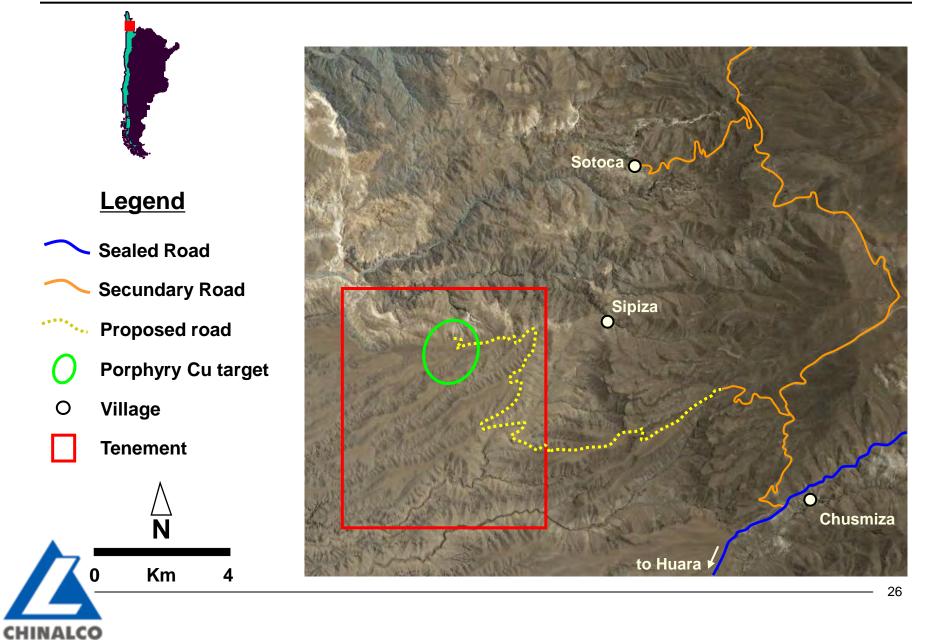
#### **RIO TINTO JV - Caramasa**



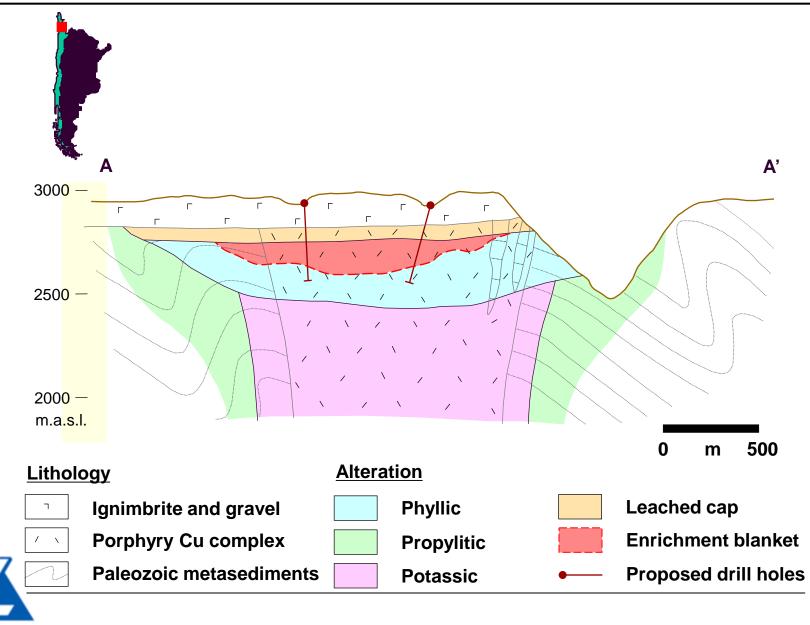
#### **RIO TINTO JV - Caramasa**



## **RIO TINTO JV - Candelabro**



#### **RIO TINTO JV - Candelabro**



## **Projects - Chile**



#### Laos – Shallow Copper Silver Project

•Zambian Style sediment hosted Copper Silver deposits.

Corporate Target 100Mt
@ 1% copper and 120g/t silver

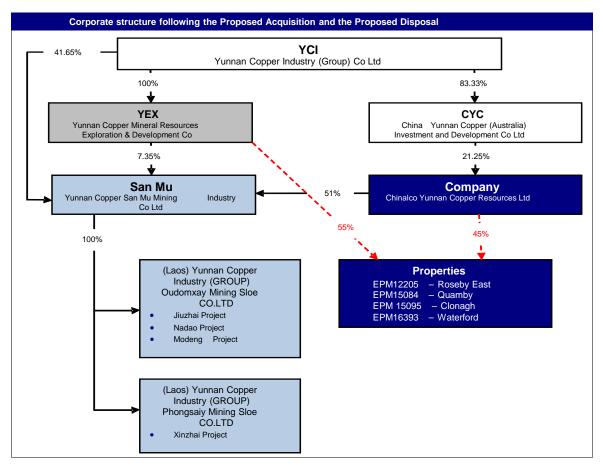
• JORC Resource drillouts in late - 2011.





Laos Copper Silver Development JV with Sanmu Mining Limited will provide a great opportunity for short-medium term cashflow.





Note: The above diagram assumes the Proposed Acquisition and the Proposed Disposal are approved by the Non Associated Shareholders and YEX fulfils the minimum exploration expenditure on the Properties (i.e. the full amount of AU\$5 million). San Mu will still hold 100% equity interest in its two respective subsidiaries. The diagram excludes other assets that are not directly affected by the Proposed Acquisition and the Proposed Disposal.







#### **Board of Directors/Management**

Mr Norman Zillman	Non-Exec Co-Chairman (ex Queensland Gas, Great Artesian Oil and Gas, Queensland Government) – Brisbane.	
Mr Zhihua Yao	Non-Exec Co-Chairman (Deputy General Manager of YCI, over 28 years mining and exploration experience in China)- Kunming.	
Mr Jason Beckton	Managing Director (ex Pancontinental, Gold Fields, Gympie Gold, Bolnisi Mexico NL, Exeter Resource Corp Chile) – Santiago.	
Mr Zewen Yang	Executive Director (Yunnan Copper, Economics Executive) – Sydney.	
Mr Richard Hatcher	Exploration Manager (ex Bolnisi Queensland, Kings Minerals – Mexico) – Brisbane.	
Mr James Cran	Chief Geologist (ex Newmont, Gympie Gold and Eastern Mediterranean Resources – Cyprus and Slovakia) – Brisbane.	



## Thank you – CYU:ASX