

# URANIUM, GOLD AND BATTERY METALS

SQUEEZING VALUE FROM A BOUNTIFUL PORTFOLIO OF METALS

ASX:AEE AIM:AURA



#### **AURA SNAPSHOT**

- Committed to developing its high margin uranium projects
- However utilizing all its portfolio options;
  - Tiris Uranium Mauritania DFS complete mid 2018
  - Häggån Polymetallic Sweden
    - Significant Battery metals V, Co, Ni, Nd, Mo, Cu, Zn also U<sub>3</sub>O<sub>8</sub>
    - Häggån is primarily a Vanadium Resource
  - Gold and Base Metals Virgin Greenstone belt Mauritania
- Gold and base metals exploration set to commence strategy bridge
- Battery Metals gaining traction in Aura's portfolio
- Tiris DFS Exceptional amount of work completed 2017
- Uranium market a key opportunity over 2 years supply deficit & LT contracts
- Cameco announcement should not be a shock more to the story?



#### PROJECT PORTFOLIO

# 100% OWNED URANIUM & POLYMETALLIC DEVELOPMENT PROJECTS

TIRIS MAURITANIA — POTENTIAL PRODUCTION & CASHFLOW-

- C1 Cash costs US\$19.40/lb U<sub>3</sub>O<sub>8</sub>[1]
- 49 Mlbs Indicated / Inferred Resource
- US\$45m capital cost



HÄGGÅN SWEDEN -POTENTIAL SCALE/LONG TERM VALUE - BATTERY/POLYMETALLIC
 C1 Cash costs US\$13.50/lb U<sub>3</sub>O<sub>8</sub><sup>[2]</sup>
 803 Mlbs Inferred Resource
 US\$537m capital cost

**Battery Metals** 

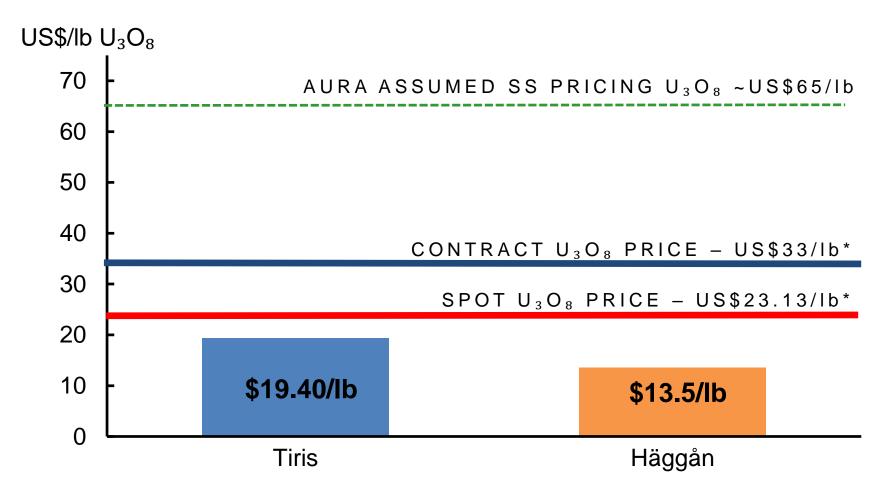
Co, Ni, Cu, Mo, V, Nd

[1] Tiris Scoping Study 16 July 2014 - optimised Sept 2017

[2] Häggån Scoping Study assumptions as release on 29 May 2012



# C1 CASH COSTS VS U3O8 PRICING



<sup>\*</sup> Trade Tech Report



#### AURA GOLD & BASE METALS

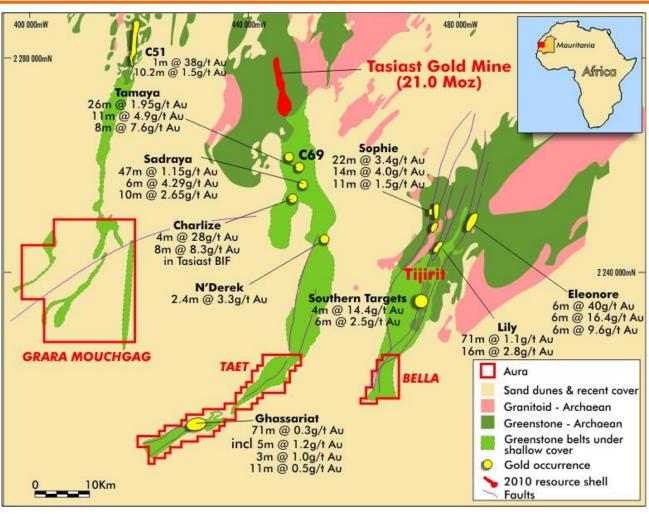
- Aura secured exceptional gold and base metal properties early 2017
- Based in Mauritania in a belt with major discovery
- Aura holds 105 km of virgin Greenstone belt with little exploration
- \$3m previous expenditure by current Aura team in another company
- Purchased for \$100,000 + royalty
- Exploration results from first pass were excellent dormant since then;
  - Wide gold system similar geology & system to Tasiast
  - High grade gold intersections
  - 1.6 km high grade nickel zone
  - Significant multiple cobalt hits including several up to 0.581% Co
  - Copper anomalies in nickel laterite nickel-copper sulphide indicator?
- Initial Aura Exploration program:
  - RC drilling trace Ghassariat gold zone
  - Ground IP to locate additional zones
  - Drill test nickel potential in very large ultramafic body in Bella permit
  - Drilling to date mostly less than 100 metres depth



# TASIAST SOUTH GOLD & BASE METAL'S



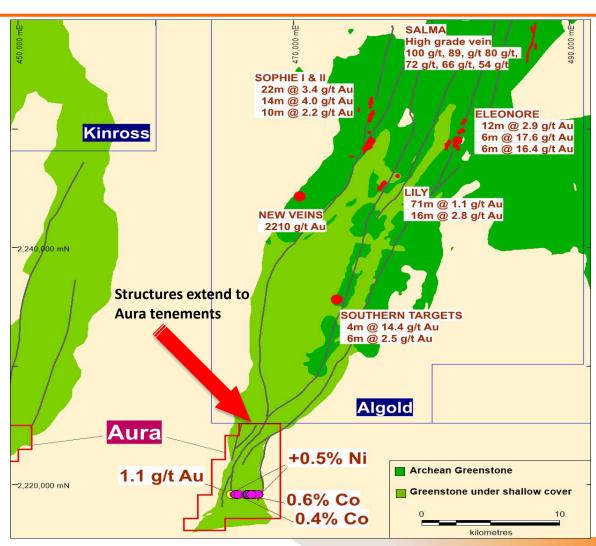
- Gold exploration on new tenements set to commence;
  - Archean greenstone belts similar to Kalgoorlie
  - 21Moz Tasiast deposit 45km to north
  - Algold (TSX) achieving excellent high grade gold results on adjoining permit
  - Ultramafic nickel sulphide potential





## TASIAST SOUTH GOLD Vs ALGOLD

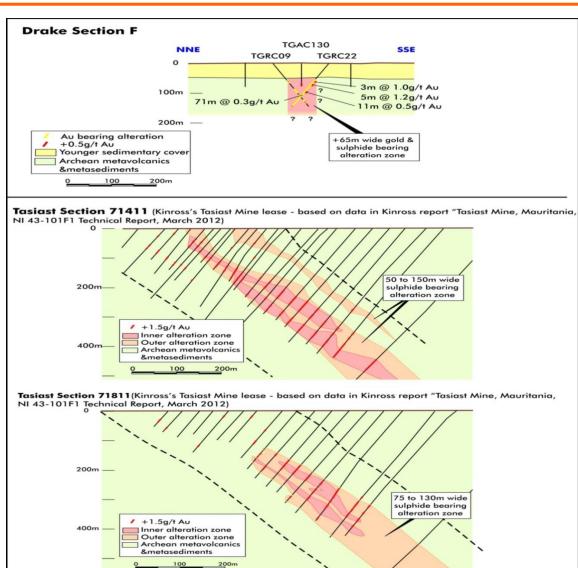
- Aura adjacent to Algold (TSX)
- Algold structures cross directly into Aura tenements
- Nearest drill section is +1 km away
- Recent results are excellent;
  - T16RC071 6 m @ 39.9 g/t Au
  - T16RC070 3 m @ 30.0 g/t Au
  - T16RC045 5 m @ 6.64 g/t Au
  - T16RC035 7 m @ 3.20 g/t Au
  - T16RC024 6 m @ 4.23 g/t Au
  - T16RC083 2 m @ 5.47 g/t Au
  - T16RC027 6 m @ 16.4 g/t Au
  - T16RC031 6 m @ 9.64 g/t Au
  - T16RC024 6 m @ 4.23 g/t Au
- Salma recent sampling;
  - 100 g/t, 89 g/t, 80 g/t, 72 g/t Au





# TASIAST SOUTH GOLD Vs KINROSS

- Aura's prospect, Ghassariat, has a strong gold drill section
- Compare Ghassariat to Kinross' Tasiast Mine
- Similar results & geology within Tasiast orebodies
- The main zones of Kinross' Tasiast are all below 100m
- Aura's tenements have not been drilled below 100m

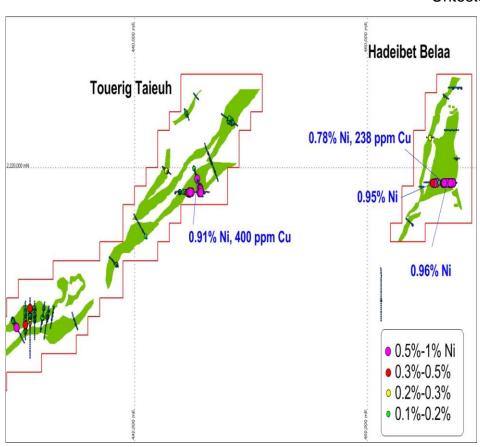




# TASIAST SOUTH: NICKEL POTENTIAL

#### Air Core drilling located:

- Thick zones of ultramafic rocks
- Very strong nickel and cobalt values
- Copper/nickel anomalies suggest nickel sulphide potential
- Abundant Komatiities (hosts 15% world nickel sulphides)
- Untested for nickel sulphide mineralisation



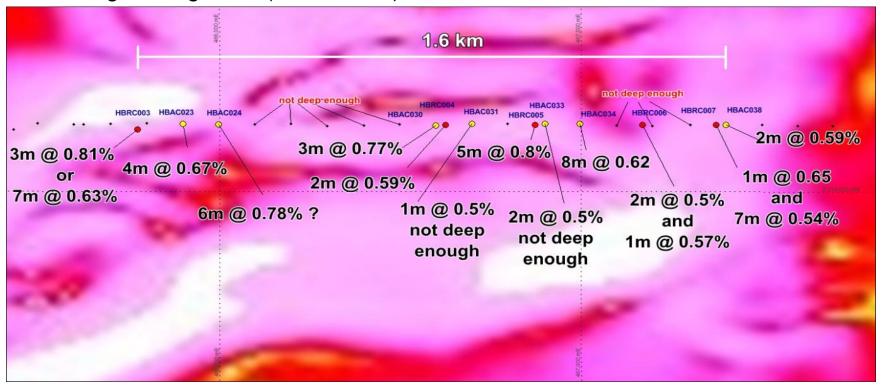


URANIUM, GOLD, BASE METALS IN AFRICA AND EUROPE



# BELLA ULTRAMAFIC COMPLEX SOUTHERN DRILL LINE

- Very strong Nickel values <u>over entire 1.6 km drill line</u>
- Strongest magnetics (white zones) not tested



Nickel intersections at Bella. Red dots: RC holes, yellow dots: vertical AC.

All RC holes returned intersections of + 0.5% Ni. (Background image is total mag intensity RTP HG)



#### COBALT DRILL INTERSECTIONS

- High grade cobalt drill intersections over both the 1.6km long drill line at Bella and Taet permits
- Best cobalt (Co) drilling intercepts included;
  - 1 metre at 0.58% Co
  - 4 metre at 0.48% Co
  - 1 metre at 0.46% Co
- Sampling for cobalt was sporadic with only approximately 1 in 10 samples assayed
- 14 samples exceeded 0.1% Co, 6 samples > 0.25% Co and 3 samples > 0.5% Co



#### TIRIS URANIUM PROJECT

- Scoping Study August 2014 results:
- Initial production 1 million lbs p.a.
- Low Capex US\$45 million
- Low Opex US\$19.40/lb U<sub>3</sub>O<sub>8</sub>\*
- Key to low cash costs are :
  - 1. Shallow Mining 5 metres max
  - 2. Ore Upgrades 500%
  - 3. Recovery 94%

\* Recently optimised

#### Resulting project:

- 1. Small physical footprint
- 2. Modular, assembled on-site, easily scalable
- 3. No grinding huge construction and operating savings
- 4. Expansion cases studied to 3 Mlbs pa



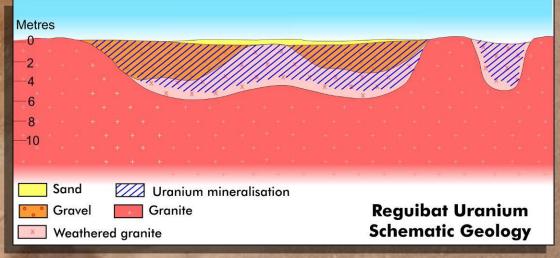
# SHALLOW TRENCHING

REVEALS MINERALISATION

CALCRETE DEPOSIT WITH CARNOTITE URANIUM IN A WEATHERED GRANITE HOST

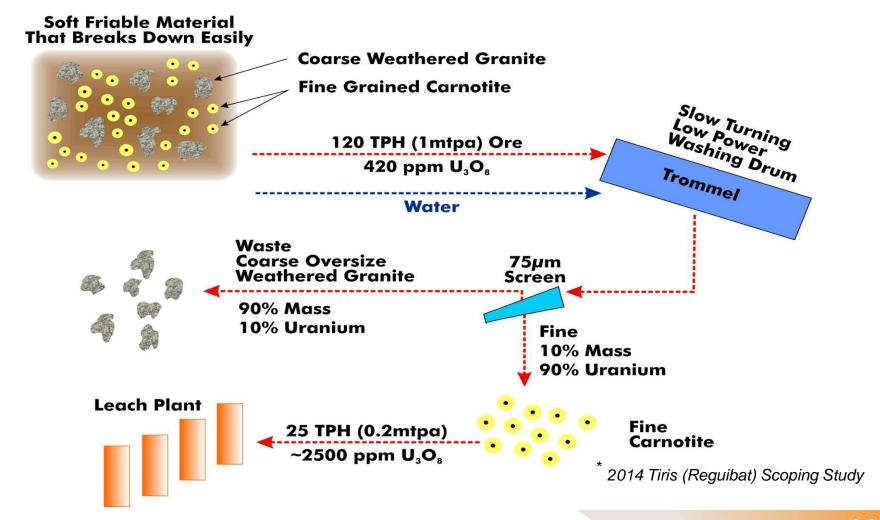
URANIUM MINERALISATION AS CARNOTITE FREE DIGGING MINING, NO DRILL AND BLAST

PERMITTING IN A REMOTE DESERT REGION





#### SIMPLE ORE UPGRADE





### TIRIS SCOPING STUDY OUTCOMES

RELEASED JULY 2014

- Mined Ore 1.0 Mtpa grade 420ppm U<sub>3</sub>O<sub>8</sub>
- Leach Feed 0.2 Mtpa grade 2,500ppm U<sub>3</sub>O<sub>8</sub>
- Producing 0.7-1.1 Mlbs U<sub>3</sub>O<sub>8</sub> per year for 15 years
- 10.8 Mlbs U<sub>3</sub>O<sub>8</sub> of 49 Mlb Resource included in model
  - Only 20% of resource
  - Much upside in economics
- A\$360M Pre tax cashflow (15 years): Using US\$65/lb U<sub>3</sub>O<sub>8</sub> LT
- IRR of 78% before tax and royalties
- Project go ahead possible mid 2018 post DFS subject to funding and regulatory approvals



#### TIRIS DEFINITIVE FEASIBILITY STUDY

TIRIS FEASIBILITY
STUDY MID 2018

TIRIS CONSTRUCTION
LATE 2018

TIRIS POTENTIAL PRODUCTION
START LATE 2019

Tiris DFS work activity in 2017 has been strong;

- Environmental and Social Impact Assessment (ESIA) now approved
- Mining Lease Application submitted for resource areas
- Drill campaign for Measured Resource underway
- Detailed engineering plans, assessments and costings commenced
- Water Geophysics completed
- Water drilling program in progress
- Metallurgical test work program underway
- Shareholders Agreement Term Sheet finalised Government 10%

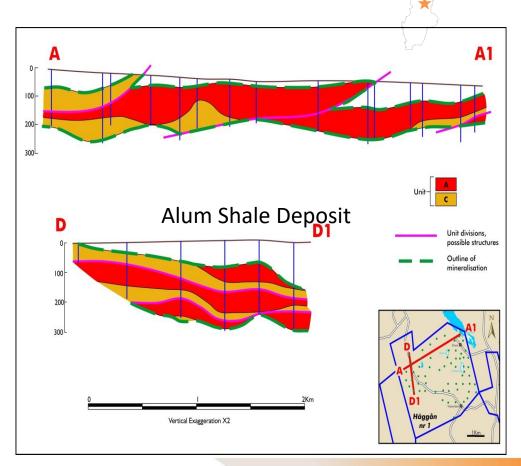


# HÄGGÅN PROJECT WITH BATTERY METALS – SWEDEN

ONE OF THE LARGEST UNDEVELOPED POLYMETALLIC & PROJECTS IN THE WORLD



- Significant base metals
- Abundant 'Battery Metals'
- Co, V, Cu, Mo, Ni, Zn, Nd
- Inferred Resource 803mlbs U<sub>3</sub>O<sub>8</sub>
- 2012 Scoping Study project economics
  - 30mtpa scale
  - Producing 7-8 Mlbs U<sub>3</sub>O<sub>8</sub> p.a
  - Cash costs US\$13.50/lb after credits
  - Capex A\$537 million





# HÄGGÅN - BATTERY METALS

- Häggån is a vast polymetallic resource
- It contains significant battery metals
- Notably significant Vanadium, Neodymium and Cobalt
- 2012 Scoping Study project economics did not consider these valuables

U3O8	\$ 40,067,500,000
Mo	\$ 7,418,362,500
Ni	\$ 7,351,740,000
V2O5	\$ 151,533,704,341
Zn	\$ 2,886,622,500
Cu	\$ 1,616,677,686
Co	\$ 3,007,044,071
Ag	\$ 663,721,731
Nd	\$ 3,446,651,000
Total	\$ 217,992,023,829
Base metals	\$ 177,924,523,829

# Current Prices

■U3O8 ■Mo ■Ni ■V2O5 ■Zn ■Cu ■Co ■Ag ■Nd

**Metal Value Distribution - Total Metal** 



#### URANIUM MARKET DRIVERS

- Key uranium market comments:
  - Spot price is currently an irrelevance...illiquid and played...ignore
  - Risky short term reliance on spot supplies by utilities
  - Long term contract coverage will increase drive price strongly 2018/19?

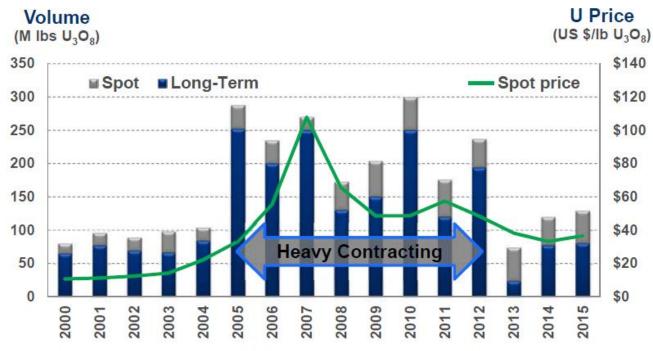


Chart source
UxC Cameco Ltd

\*Industry Average Price (Ux and TradeTech)



#### KEY COMPANY DATA

#### CORPORATE STRUCTURE

Share Price	2.5 cents AUD
Shares On Issue	849 million
Options On Issue	105 million
Market Capitalisation	A\$21.4 million
Cash	A\$1.4 million
Listed Exchange	ASX; AEE AIM; AURA





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