

## sweden



## west africa



## australia



# Disclaimer & Competent Persons Statement

- *This presentation has been prepared to provide information on Aura Energy Limited's projects. It is not intended as an offer, invitation solicitation or recommendation with respect to the purchase or sale of any securities.*
- *This presentation should not be relied upon as the sole representation of any matter that a potential investor should consider in evaluating Aura, its affiliates or any of its directors, agents, officers or employees do not make any representation or warranty, express or implied, as to or endorsement of, the accuracy or completeness of any information, statements, representations or forecasts contained in this presentation, and they do not accept any liability for any statement made in, or omitted from, this presentation.*
- *Prospective investors should make their own independent evaluation of an investment in the Company.*
- *Dr Robert Beeson 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. This qualifies Dr Beeson as a Competent Person as defined in the 2004 edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Dr Robert Beeson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Dr Beeson is a member of the Australian Institute of Geoscientists.*

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>ASX Code:</b>              | AEE                              |
| <b>Share Price:</b>           | 34c (20 July 2011)               |
| <b>Market capitalisation:</b> | A\$45 M                          |
| <b>Cash position:</b>         | \$4.6 M (Mar 2011)               |
| <b>Shares:</b>                | 132.1 M                          |
| <b>Main shareholders:</b>     | Board & Management 4.3%          |
|                               | Drake Resources 4.6%             |
|                               | Technical Investing Pty Ltd 6.8% |
|                               | Kinetic Investment Partners 6.9% |

# Significant Resources

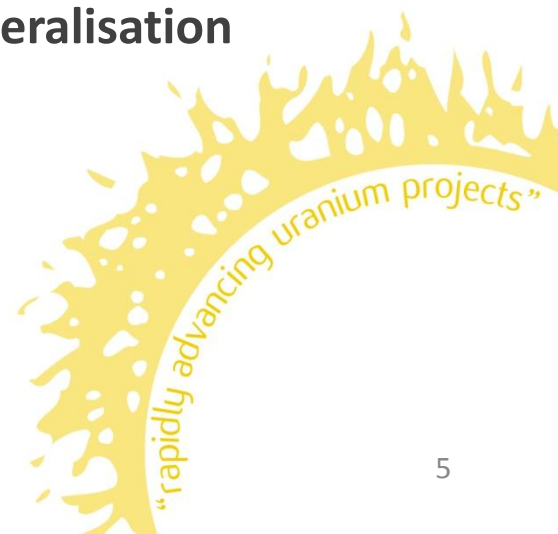


## 2011 — first half

- extensive drilling in Reguibat, Mauritania
- **initial resource 50 Mlbs for Reguibat, Mauritania**
- resource extension drilling at Häggån
- strengthened board – mine development & operations

## 2011 — second half

- **proof of concept bioleach testwork on Häggån mineralisation**
- updated resource at Häggån
- scoping studies and testwork Sweden & Mauritania
- further resource drilling



# Strengthened Board

## Existing board



### **Brett Fraser – Chairman**

Worked in the financial services industry globally for 22 years including as an analyst in the merchant banking industry focusing on mining. He has owned and operated businesses in mining.



### **Simon O'Loughlin – Non-Executive Director**

Founding member of O'Loughlins Lawyers with extensive experience in corporate and commercial law. He holds accounting qualifications and is a director of several resource companies.



### **Jay Stephenson – Non-Executive Director & Company Secretary**

A qualified accountant and he has served as director, CFO and company secretary for both listed and unlisted entities in the resources. He has substantial experience in corporate transactions and managing all areas of finance.



### **Dr. Bob Beeson – Managing Director**

A professional geologist with more than 35 years experience in mineral exploration & development. Previous senior management positions include Billiton Australia, Acacia Resources, North Limited & New Hampton Goldfields.

## Added mine development and operations strength to the board



### **Julian Perkins – Non-Executive Director**

Manager of Mining & Technology (Australia) for AngloGoldAshanti Ltd until 2006. Currently Chairman of the Board of Parker Centre Ltd, which manages the Parker Cooperative Research Centre ('CRC') for Hydrometallurgy.



### **Leigh Junk – Non-Executive Director**

Mining engineer with 19 years' experience. Has held positions at Pilbara Manganese, WMC Resources and Mincor Operations.

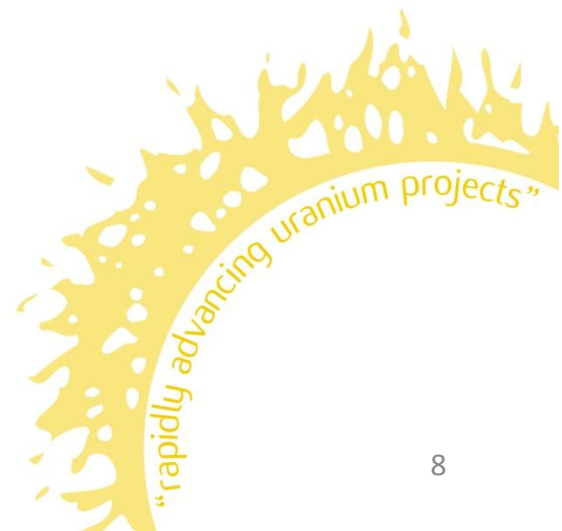


*Häggån Project, Sweden*

# Häggån Project - Many Highlights

- Sweden mining friendly country
- giant uranium field, large resource - 291 million pounds  $U_3O_8$ \* inferred resource with **0.81Bn tonnes @ grade – 162 ppm  $U_3O_8$**
- enhanced value with co-products nickel, zinc, molybdenum & vanadium
- **NEW proof of concept bioleach testwork on mineralisation - highly encouraging results**
  - **extraction of uranium up to 75% as well as Ni, Zn & Mo co-products**
- resource upgrade expected September quarter

\* for JORC statement please refer to end of presentation



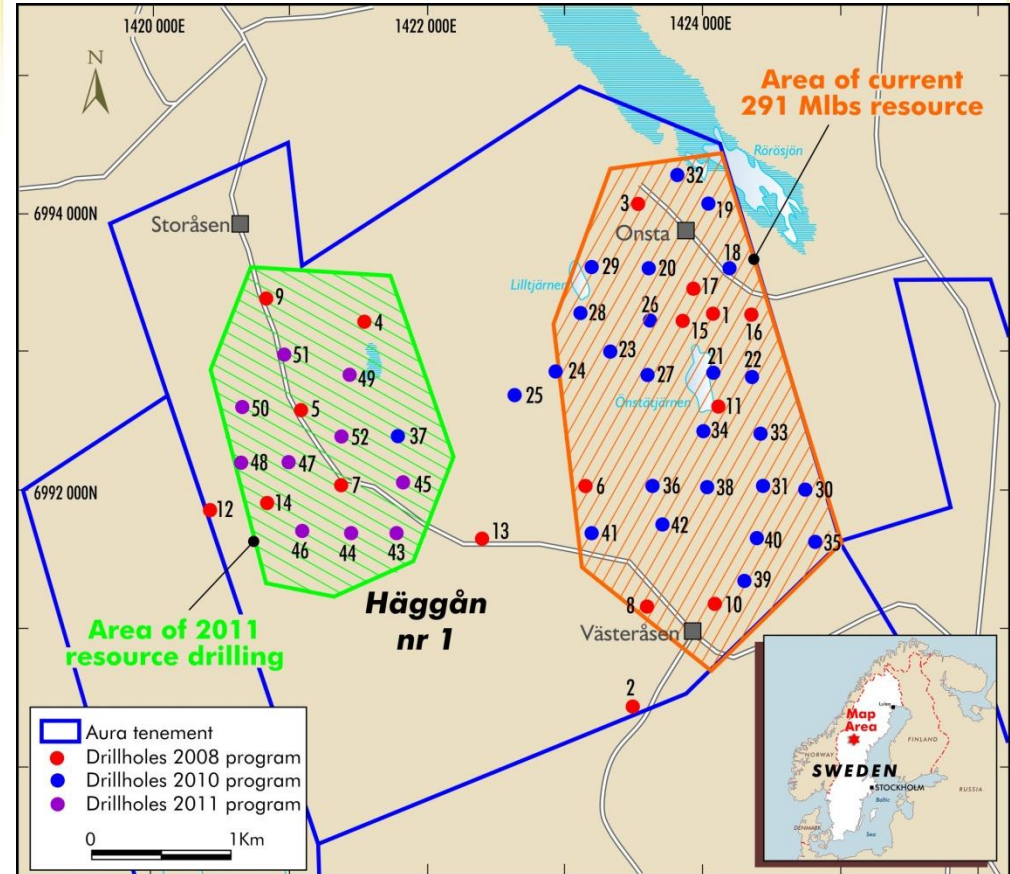
# Sweden: Mining Friendly

- historic culture of mining
- favourable ranking in any mining investment risk surveys
- low corporate tax rate & royalties
- Europe's largest copper mine & biggest iron ore producer
- legislation & regulations very supportive of mining
- excellent infrastructure
- nuclear power – 50% of electricity needs



# LARGE Resource, GIANT Uranium Field

- 100% project ownership
- **every** drill hole in 18 km<sup>2</sup> Häggån permit intersected mineralisation
- selected intercepts include:
  - 178m @ 175 ppm U<sub>3</sub>O<sub>8</sub>
  - 180m @ 160 ppm U<sub>3</sub>O<sub>8</sub>
  - 192m @ 171 ppm U<sub>3</sub>O<sub>8</sub>
  - 226m @ 160 ppm U<sub>3</sub>O<sub>8</sub>
  - 115m @ 188 ppm U<sub>3</sub>O<sub>8</sub>



# Potential Co-production - Enhanced Value

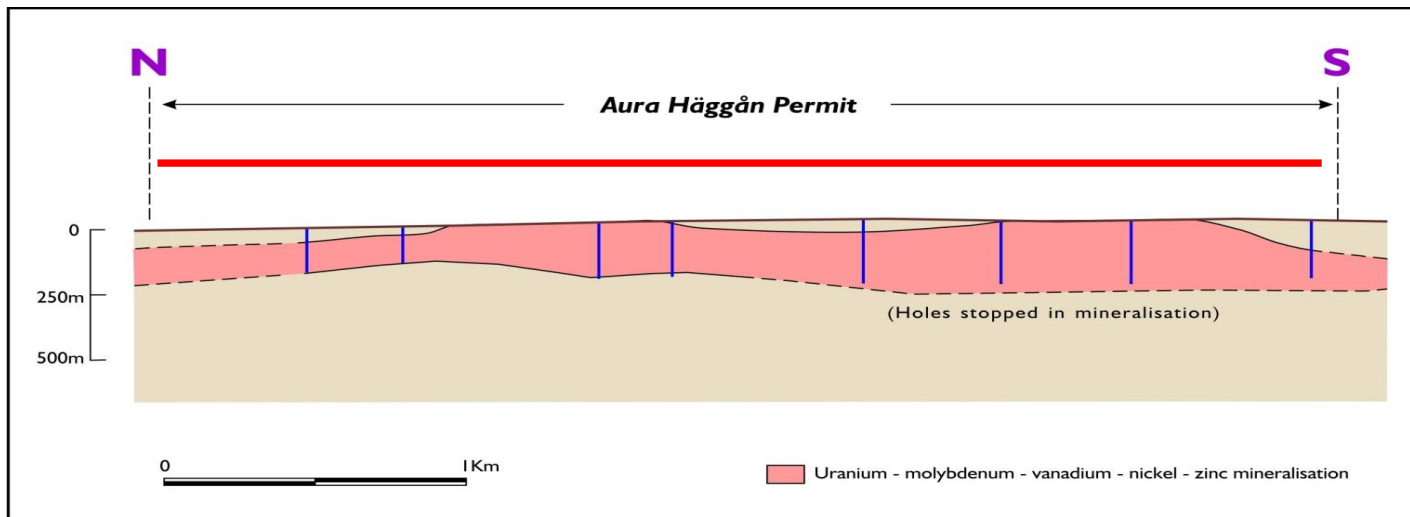
- 291 million pounds  $U_3O_8^*$  in Aura's initial inferred resource with **0.81Bn tonnes @ grade – 162 ppm  $U_3O_8$**
- Plus co-products
  - molybdenum (361 Mlbs)
  - nickel (353 Mlbs)
  - zinc (496 Mlbs)
  - vanadium (2940 Mlbs)
- **equivalent uranium grade approx 250 - 300 ppm**

\* for JORC statement please refer to end of presentation

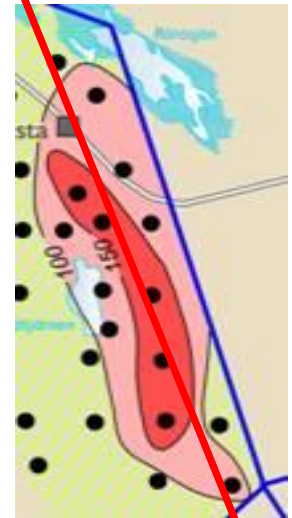
# Largest Undeveloped Uranium Resources

| Rank | Project       | Company            | Mlbs | Grade (%) | Location  |
|------|---------------|--------------------|------|-----------|-----------|
| 1    | Viken         | Continental        | 1047 | 0.02      | Sweden    |
| 2    | Elkon         | ARMZ               | 705  | 0.12      | Russia    |
| 3    | Rossing South | Extract            | 367  | 0.05      | Namibia   |
| 4    | Cigar Lake    | Cameco/Areva       | 352  | 18.2      | Canada    |
| 5    | Imouraren     | Areva              | 350  | 0.11      | Niger     |
| 6    | Jabiluka      | ERA                | 343  | 0.46      | NT        |
| 7    | Itatira       | INB                | 315  | 0.09      | Brazil    |
| 8    | Häggån        | Aura Energy        | 291  | 0.02      | Sweden    |
| 9    | Kvanefjeld    | Greenland Minerals | 283  | 0.03      | Greenland |
| 10   | Etango        | Bannerman          | 213  | 0.02      | Namibia   |

- thick, flat-lying, continuous bodies with  $>200$  ppm  $U_3O_8$
- near-surface, low cost open-pit mining
- Continental Precious Minerals scoping studies estimate:
  - waste to ore ratio of 0.5:1
  - mining costs of approx US\$2.50 -3.00/t ore



**Storsjön Project - Long Section through Häggån Mineralisation**



## Metal extraction

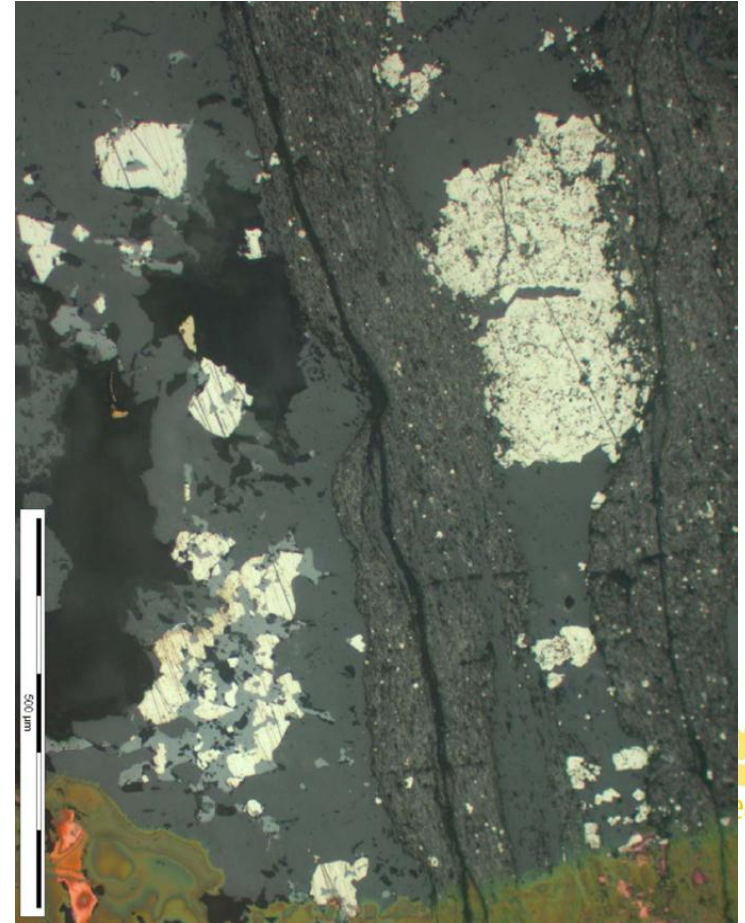
- mineralisation is acid generating & lends itself to bioleaching (atypical of most uranium ores)
- bioleaching - established technology for copper, nickel & gold
- recently applied to uranium at Talvivaara in Finland
- **good recoveries from initial bioleach tests**
- conventional tests also give high recoveries 93% uranium



*Leachpad – Talvivaara, Finland*

# Highly Encouraging Bioleaching Results

- highly encouraging initial bio-heap leaching results from 2<sup>nd</sup> phase of testwork
- first small-scale column leach tests indicate maximum extractions of:
  - 75% uranium
  - 65% nickel
  - 60% zinc
  - 25% molybdenum
- potential low capital & operating cost treatment route for Aura's Häggån project
- improved extraction expected with finer crushing - planned future testing



*Pyrite grains in Alum Shale*

# Existing Talvivaara Project in Finland Analogue



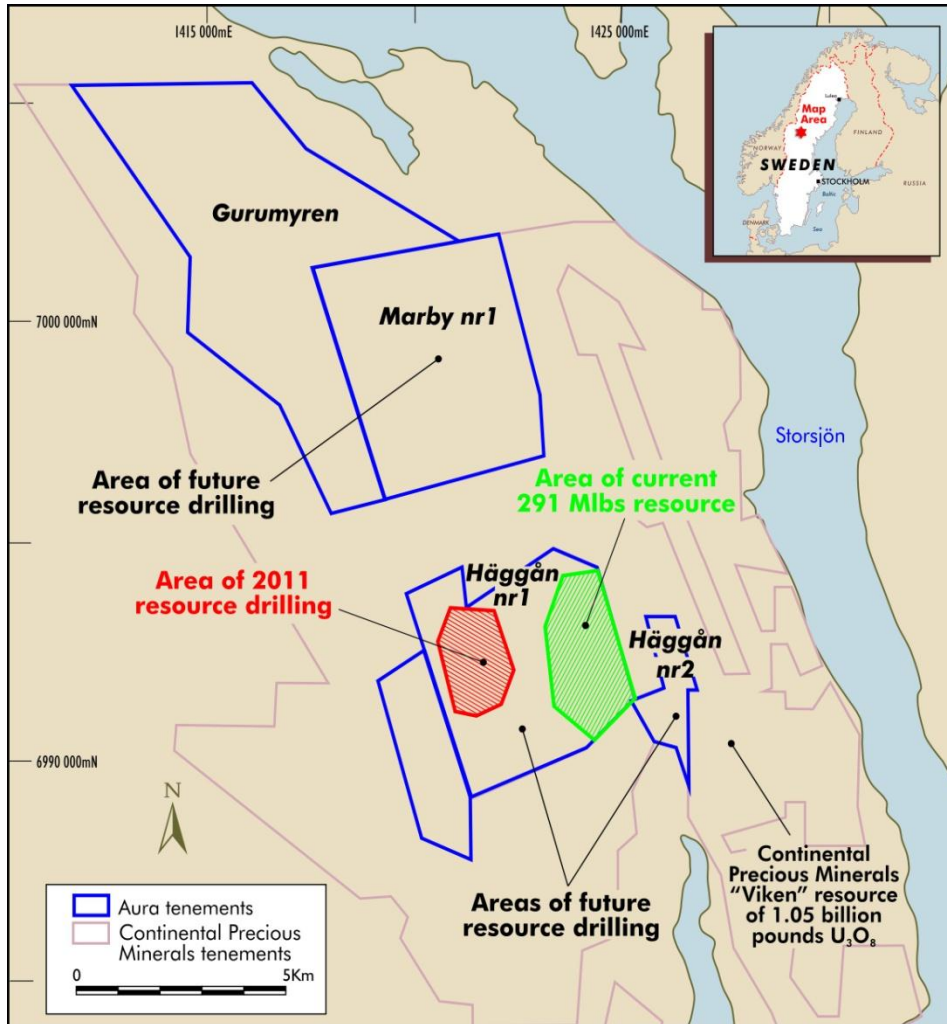
*Talvivaara Project, Finland*



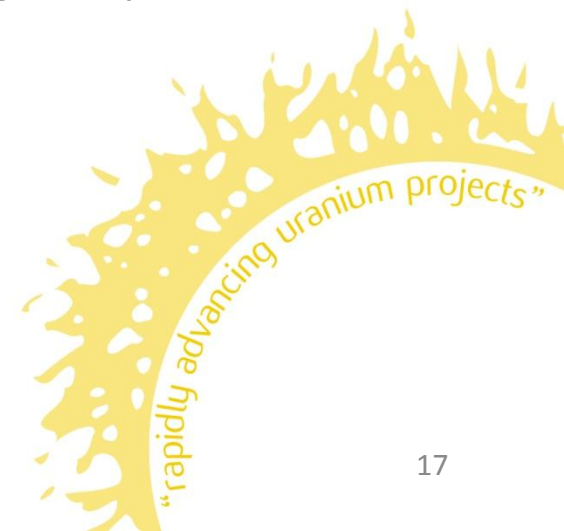
*Häggån Core Samples*

- Talvivaara, Finland uses bioleach to recover: 0.8 Mlbs pa from 17ppm  $U_3O_8$  ore
- recent Cameco funding and offtake agreement for  $U_3O_8$
- Talvivaara, Finland modern mine based on shales
  - mining 24Mtpa ore
  - moderate CapEx
  - bio-heap leach processing and metal recovery (US\$11-12/t)
  - recovered Ni, Cu, Co & U have spot recovered value approx \$40-55/t
- **Talvivaara €1.5 billion company**

# Next Steps: Häggån



- second phase of drilling on western part of project complete
- resource upgrade in September quarter
- larger scale bioleach testwork
- scoping study



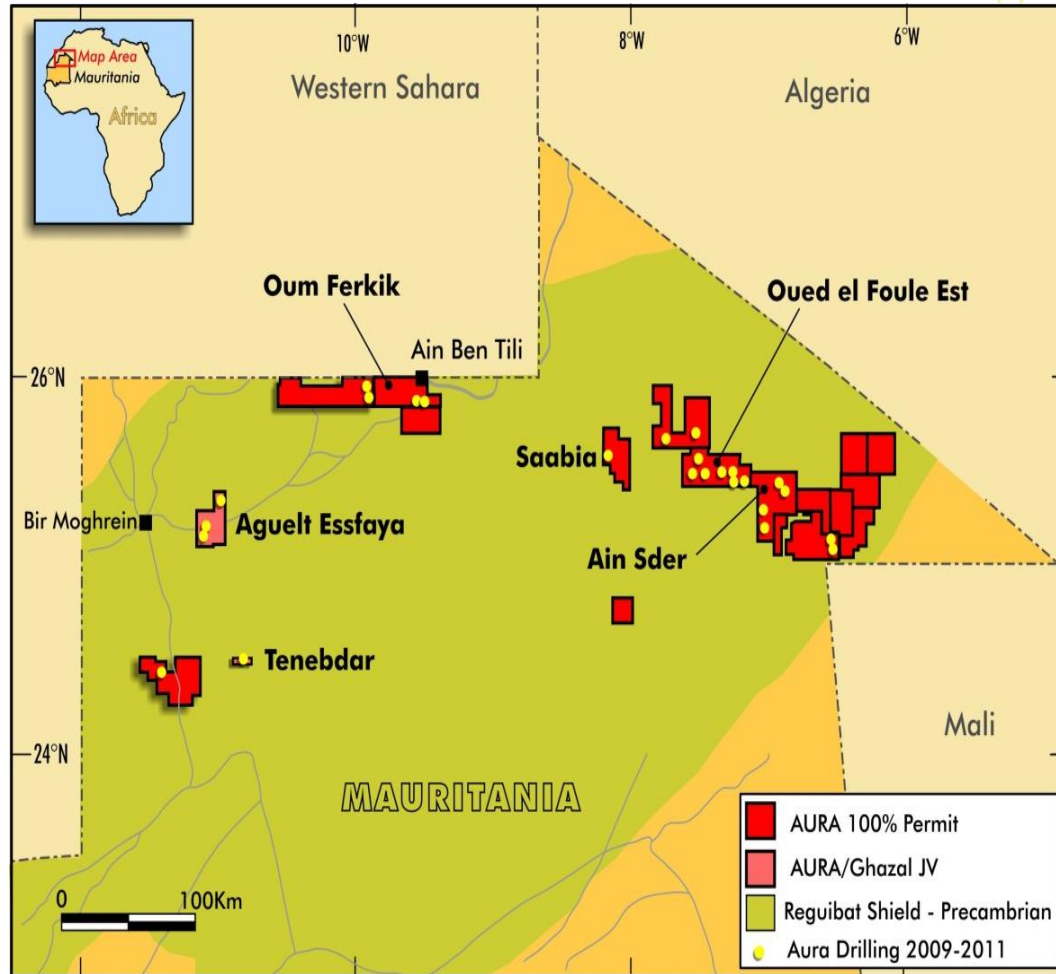


# Strong Position in Mauritania

- long-term existing mining operations
- supportive government
- Aura in Mauritania
  - successful project identification & acquisition
  - greenfield discovery of significant new uranium field
  - 100% properties plus 2 joint venture permits
  - **one of largest landowners - 11,000 km<sup>2</sup>**
  - **with 40% of known radiometric anomalies**

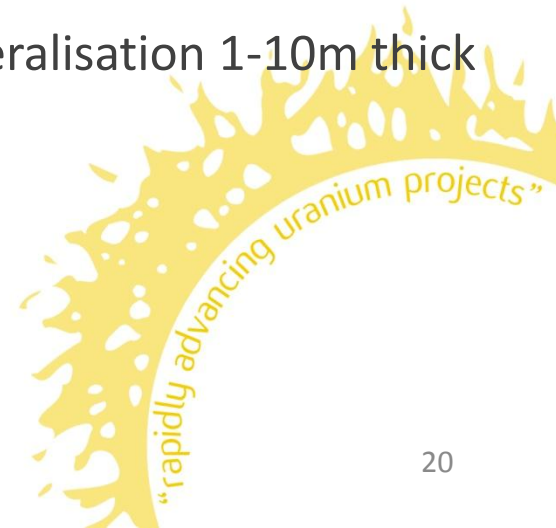


# Substantial First Resource - 50Mlbs

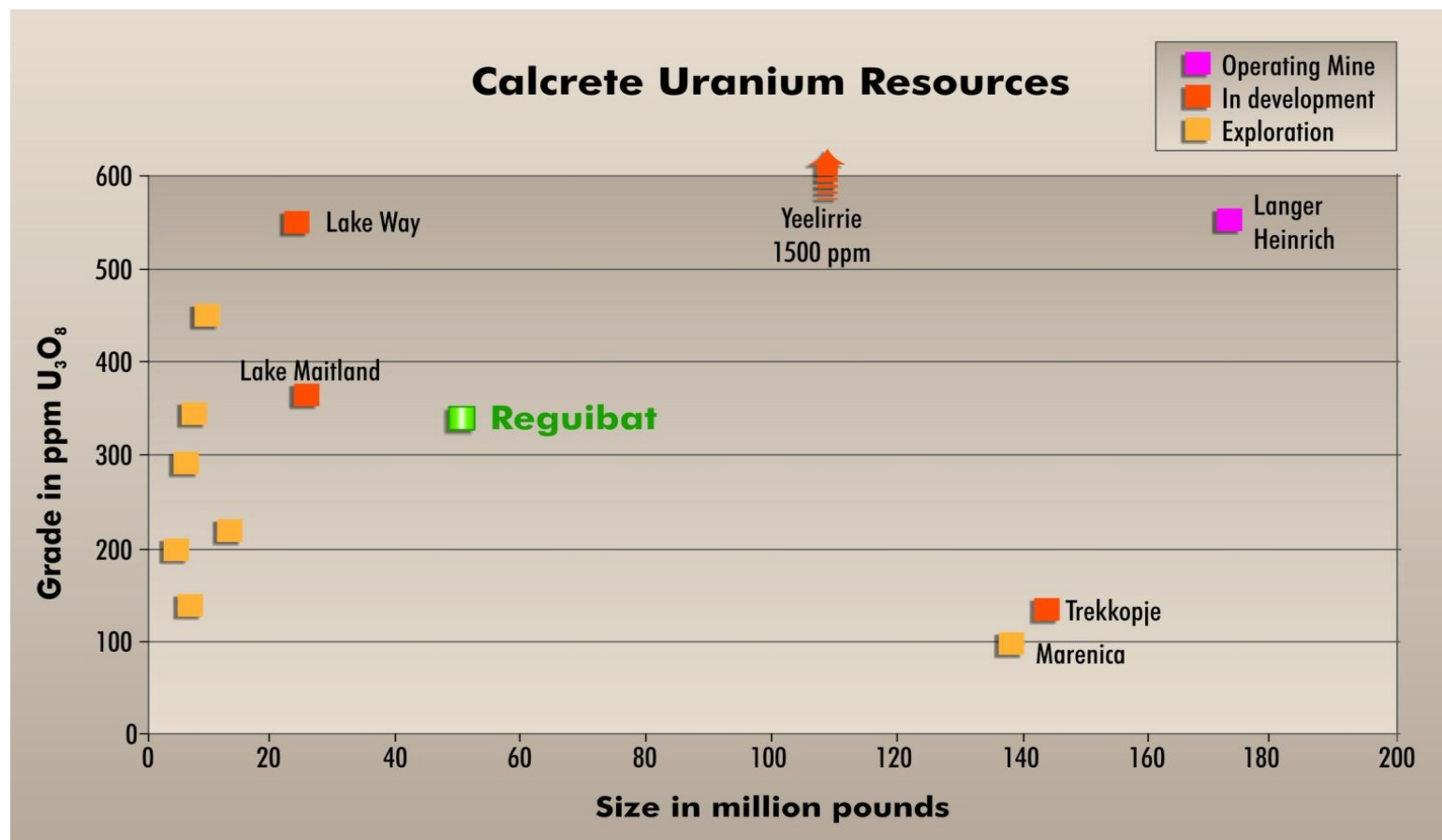


- major new calcrete uranium resource
- initial resource: 50 Mlbs of uranium at average grade of 330ppm  $U_3O_8$  compliant with JORC code\*
- mineralisation in single flat-lying sheets from within 1m of surface
- mineralisation 1-10m thick

\* for JORC statement please refer to end of presentation



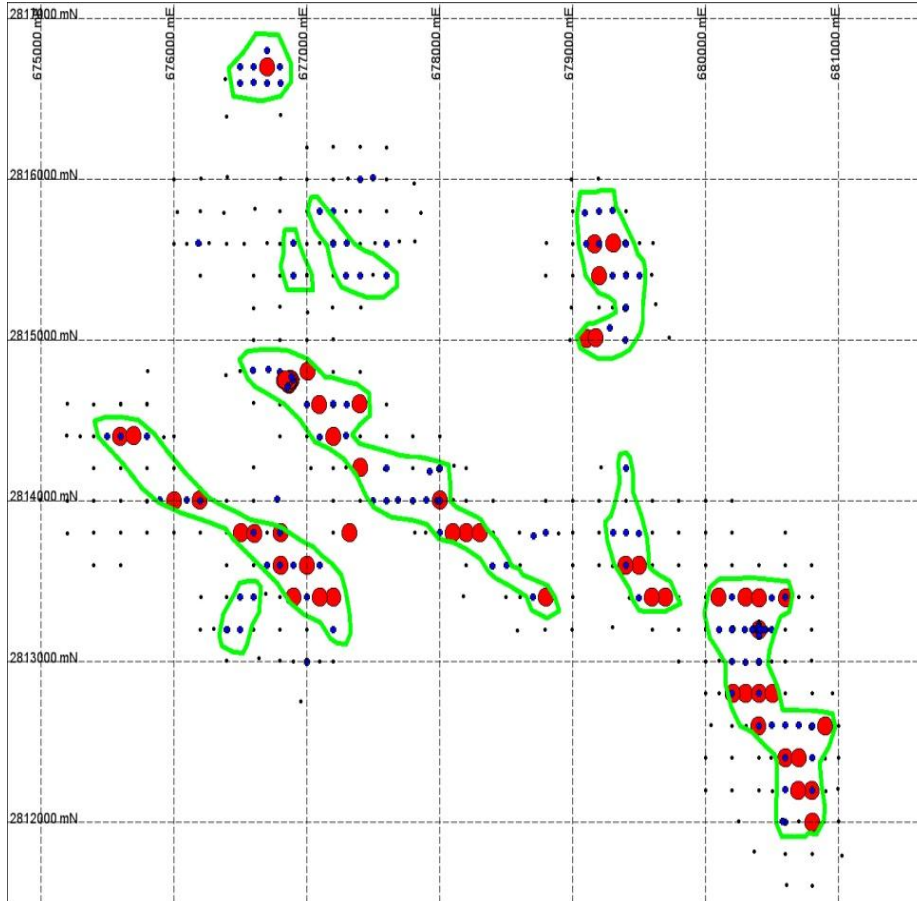
# Well Positioned Amongst Global Resources



Reguibat one of the largest calcrete deposits not in development

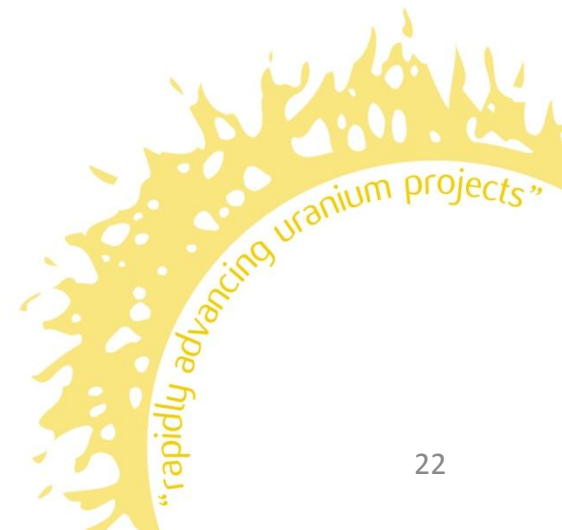
*\* This target is conceptual in nature (the potential quantity and grade of this target is conceptual in nature, that there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource).*

# Laterally Continuous Zones of Higher Grade



*Oued el Foule Est Zone A drillholes  
Intersections >400ppm  $U_3O_8$*

- selected intercepts
- 10m @ 2000 ppm  $U_3O_8$
- 4.5m @ 1863 ppm  $U_3O_8$
- 2.5m @ 1859 ppm  $U_3O_8$
- 2.5m @ 1787 ppm  $U_3O_8$
- 3m @ 1417 ppm  $U_3O_8$
- 3m @ 1312 ppm  $U_3O_8$

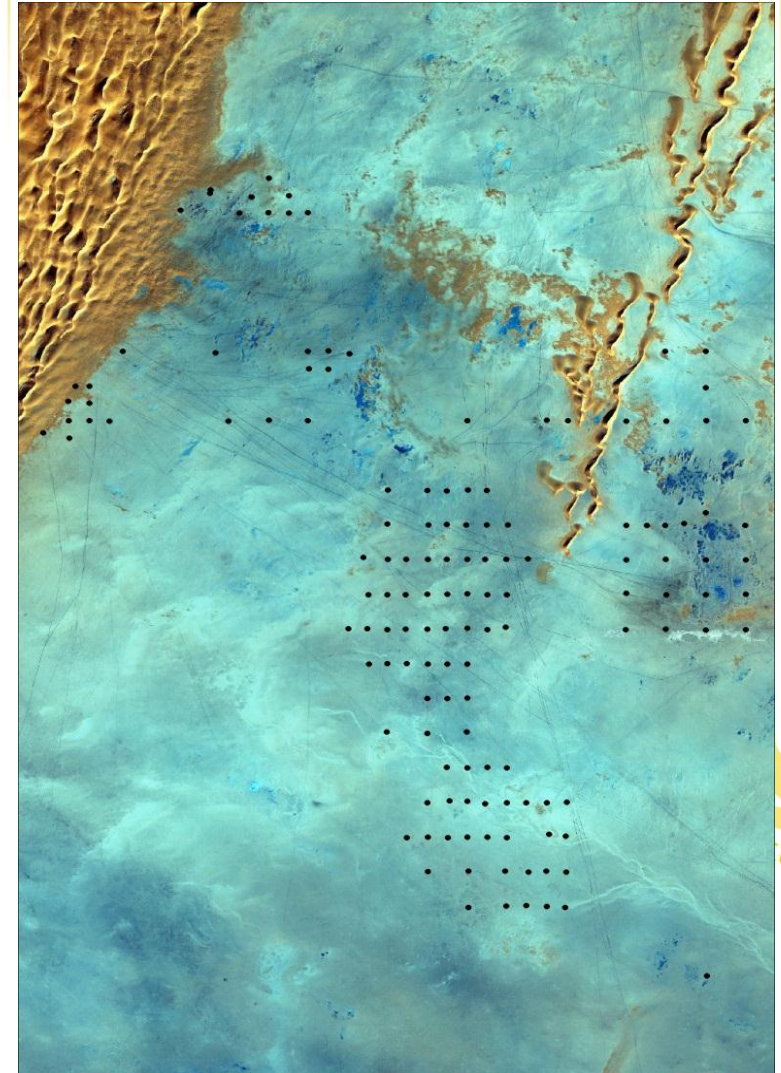


# Potential to Expand

- potential in areas drilled, but not included in resource
- many zones open in at least one direction
- other radiometric anomalies have yet to be tested
- holds 2,876 km<sup>2</sup> in permit applications to the east of the Ain Sder resource that are considered prospective, but have never been radiometrically surveyed

## Next Steps

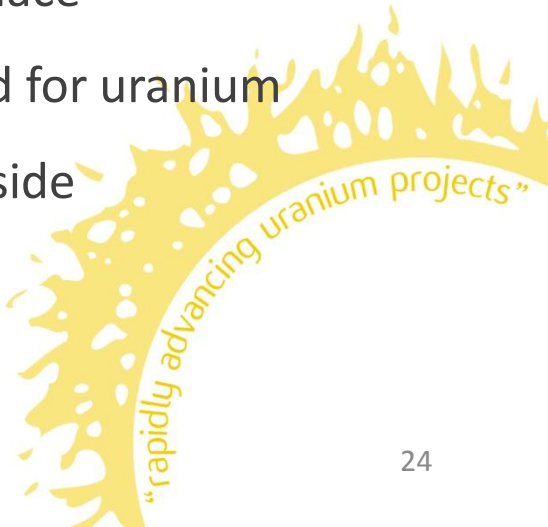
- metallurgical testwork
- scoping study
- expand resource



*Ain Sder Central – Satellite View*

# Why Invest in Aura?

- ✓ on track & fully delivering on company strategy
- ✓ focus on 2 key projects: Sweden & West Africa
  - Sweden, Häggån: testwork breakthrough with bioleach extractions creates major opportunity on giant uranium field
  - Mauritania, Reguibat: major new calcrete uranium resource established, potential for further expansion
- ✓ strengthened board and highly experienced management
- ✓ funding for current phase of drilling & testwork in place
- ✓ well positioned to meet growing worldwide demand for uranium
- ✓ anticipate closing valuation gap with share price upside

A large, stylized yellow sunburst graphic in the bottom right corner of the slide, partially overlapping the text.

"rapidly advancing uranium projects"

## Häggån

| Cutoff U <sub>3</sub> O <sub>8</sub><br>ppm | Size<br>Bt | U <sub>3</sub> O <sub>8</sub><br>ppm | MoO <sub>3</sub><br>ppm | V <sub>2</sub> O <sub>5</sub><br>ppm | Ni<br>ppm | Zn<br>ppm |
|---------------------------------------------|------------|--------------------------------------|-------------------------|--------------------------------------|-----------|-----------|
| 100                                         | 0.81       | 162                                  | 325                     | 2616                                 | 318       | 448       |

*Size in billions of tonnes and grades of the initial resources for the Häggån Project at 100ppm cut-off grade*

Aura recognises the requirement to demonstrate that the uranium and other metals can be extracted economically, and this release is a further report of the progress of this work.

### **Competent Persons**

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# Inferred Resource Statement

## *Reguibat*

| Category | Lower Cut Off<br>ppm U <sub>3</sub> O <sub>8</sub> | Tonnes<br>Mt | Grade<br>ppm U <sub>3</sub> O <sub>8</sub> | Contained U <sub>3</sub> O <sub>8</sub><br>Mlb |
|----------|----------------------------------------------------|--------------|--------------------------------------------|------------------------------------------------|
| Inferred | 100                                                | 68.7         | 330                                        | 50.2                                           |

### **Competent Persons**

*The Competent Person for the Resource estimation and classification is Mr Oliver Mapeto from Coffey Mining. The Competent Person for the drill hole data and data quality is Dr Robert Beeson from Aura Energy.*

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