

The background of the slide is a photograph of a person wearing an orange and blue high-visibility shirt and a hat, standing in a field of green trees and shrubs. A large, semi-transparent red logo, consisting of several curved, flame-like or petal-like shapes, is overlaid on the right side of the image. The logo is partially obscured by the text and the bottom right corner.

# Project Update and Next Steps

30<sup>th</sup> April 2018



**Alligator  
Energy**

# Disclaimer & Competent Person's Statement

## Disclaimer

This presentation contains projections and forward looking information that involve various risks and uncertainties regarding future events. Such forward-looking information can include without limitation statements based on current expectations involving a number of risks and uncertainties and are not guarantees of future performance of the Company. These risks and uncertainties could cause actual results and the Company's plans and objectives to differ materially from those expressed in the forward-looking information. Actual results and future events could differ materially from anticipated in such information. These and all subsequent written and oral forward-looking information are based on estimates and opinions of management on the dates they are made and expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward-looking information should circumstances or management's estimates or opinions change.

## Competent Person's Statement – Nickel Cobalt

Information in this report is based on current and historic Exploration Results compiled by Mr Andrew Vigar who is a Fellow of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Vigar is a non executive director of Alligator Energy Limited, and has sufficient experience which is 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Vigar consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

## Competent Person's Statement – Uranium

Information in this report is based on current and historic Exploration Results compiled by Mr Andrew Peter Moorhouse who is a Member of the Australasian Institute of Geoscientists. Mr Moorhouse is an employee of Alligator Energy Limited, and has sufficient experience which is 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Moorhouse consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

# Alligator Energy Ltd - Overview

Focused on the discovery of **large economic** high grade energy related metal deposits (Uranium, Nickel, Cobalt) with **clear pathways** for approval and development.

AGE have **developed and implemented specific IP** for identifying potential uranium occurrences **which exist under cover** in the **premier uranium** exploration district of the Alligator Rivers, Northern Territory, Australia

The application of this pre-drilling IP over several years has now identified **drill ready uranium targets** in the Company's significant land holding position

The Piedmont Nickel Cobalt project demonstrates outstanding exploration opportunity for **high quality nickel cobalt sulphide** deposits with **walk up geophysical targets** proximal to **historic mines** with on ground work to commence shortly

Continuing to evaluate and assess opportunities within the Energy Metals sector

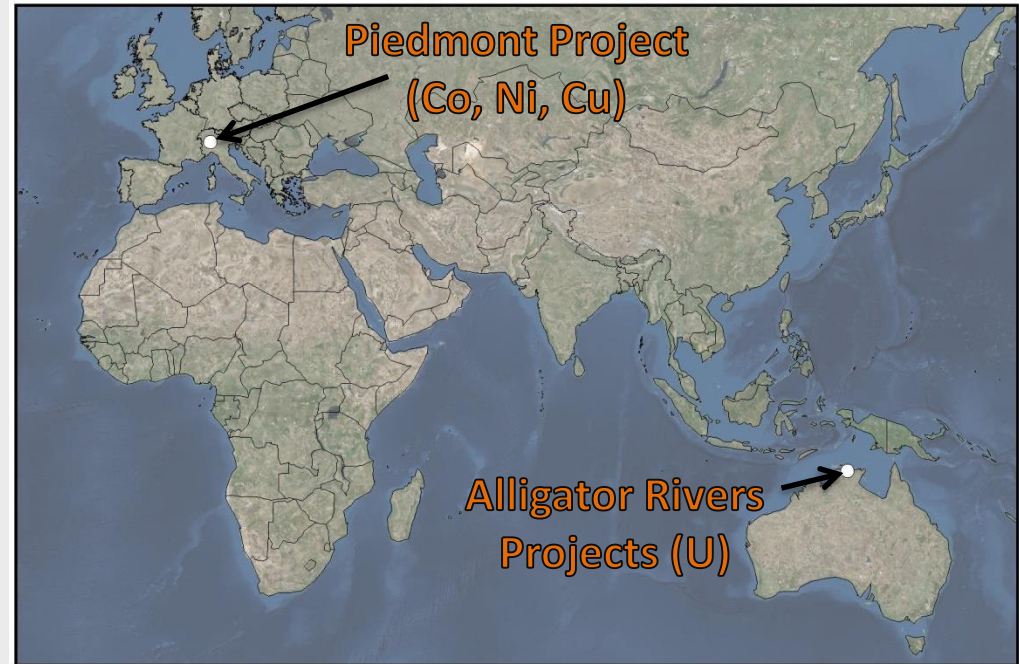


# Rationale

Broad based experienced Board with members having **experience in nickel** exploration, development and operations including both laterite and sulphide projects, as well as **all levels of uranium exploration and operations**

Local technical and operational **expertise in Italy** secured through farm-in deal to ensure rapid cost effective assessment.

Committed continuation of **uranium strategy** with existing assets and new applications whilst exploring opportunities of diversification within the **energy metals sector**



# Alligator Energy Ltd

## ***Corporate:***

- **ASX Listed Company**
- **573.3 M Listed Shares (AGE) on Issue**
- **83.5M 2.1c Listed Options (AGEO) - Expiry 27 December 2019**
- **6.2 M Unlisted Options (at 12 April 2018)**
- **Market Cap of ~A\$4.6M**

## ***Directors:***

- **John Main**
- **Greg Hall**
- **Peter McIntyre**
- **Andrew Vigar**
- **Paul Dickson**

# Alligator Rivers – Northern Territory (U)

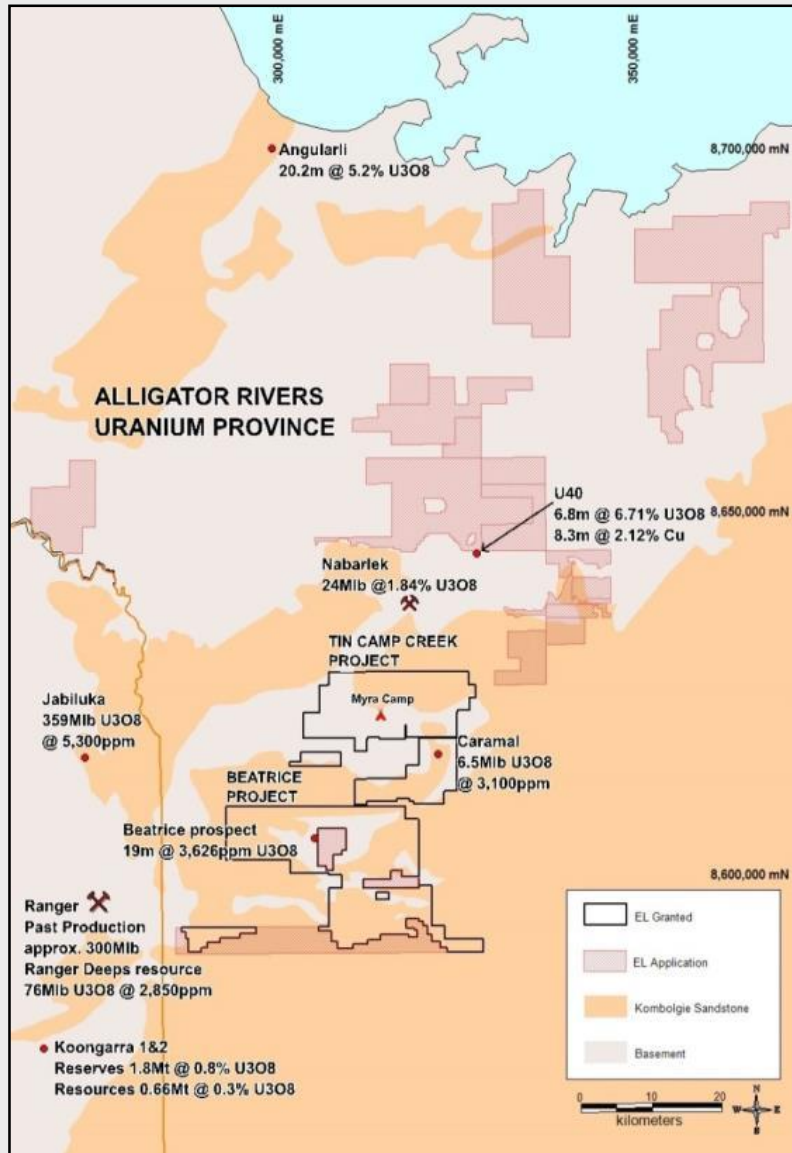
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**Drill ready high quality uranium target and significant land holding in world class uranium province**

# Alligator Rivers Uranium Province (ARUP)

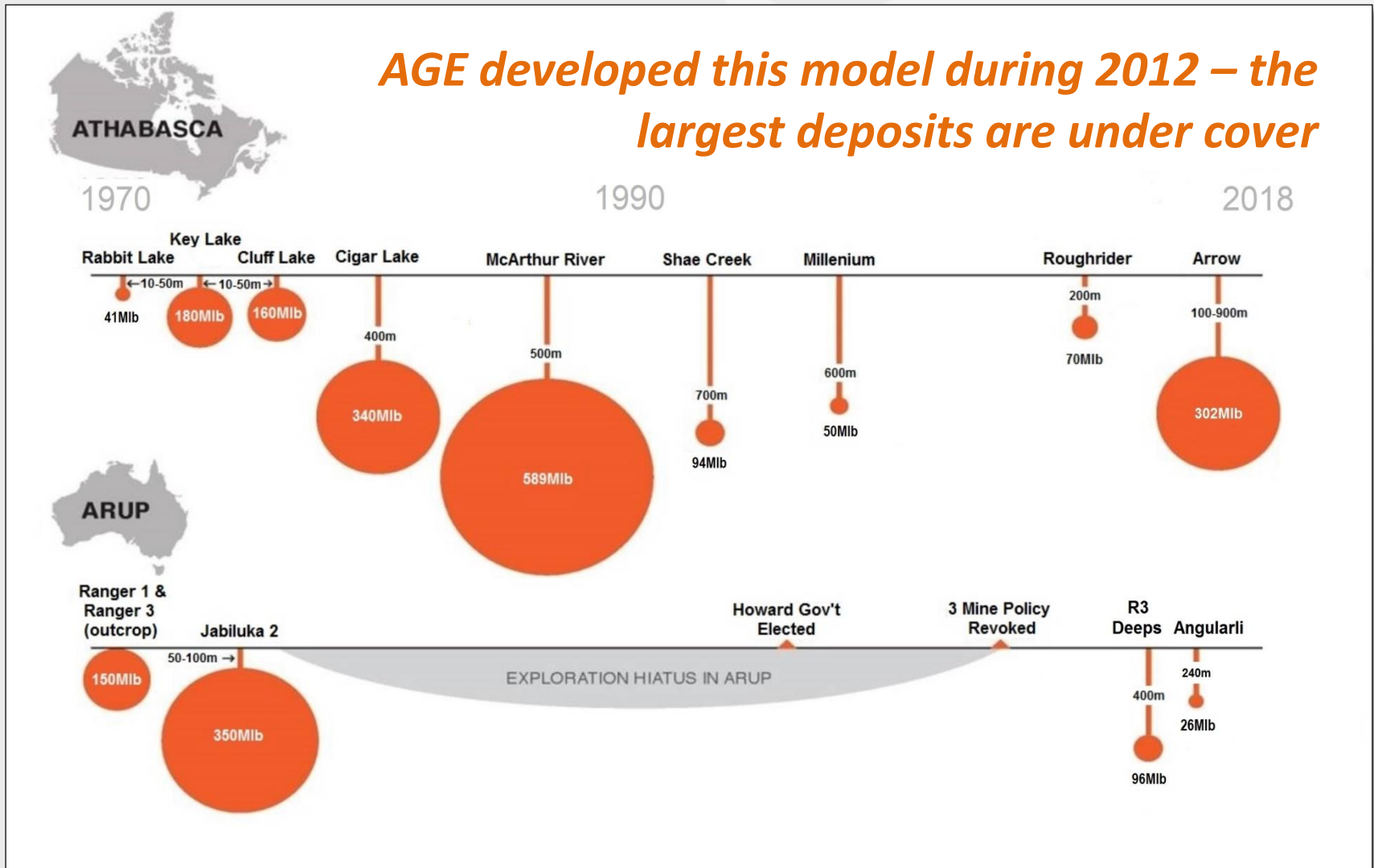
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- Focused on the discovery of **large (>100Mlb)**, high grade (**>3000ppm U<sub>3</sub>O<sub>8</sub>**) uranium deposits with **clear pathways** for approval and development.
- Developed specific IP using **innovative techniques** for pre-drilling exploration under sandstone cover
- Many known smaller deposits in region which have been eroded away, while the **largest (Jabiluka) exists totally under cover**
- AGE continue to expand quality land holding with recent **Nabarlek North** application.
- Focused on relationships with local indigenous groups.
- Province hosts 700Mlb U<sub>3</sub>O<sub>8</sub> endowment @ 4,000ppm U<sub>3</sub>O<sub>8</sub> (In ground value Gold value equivalent 30Moz Au @ 10g/t Au)



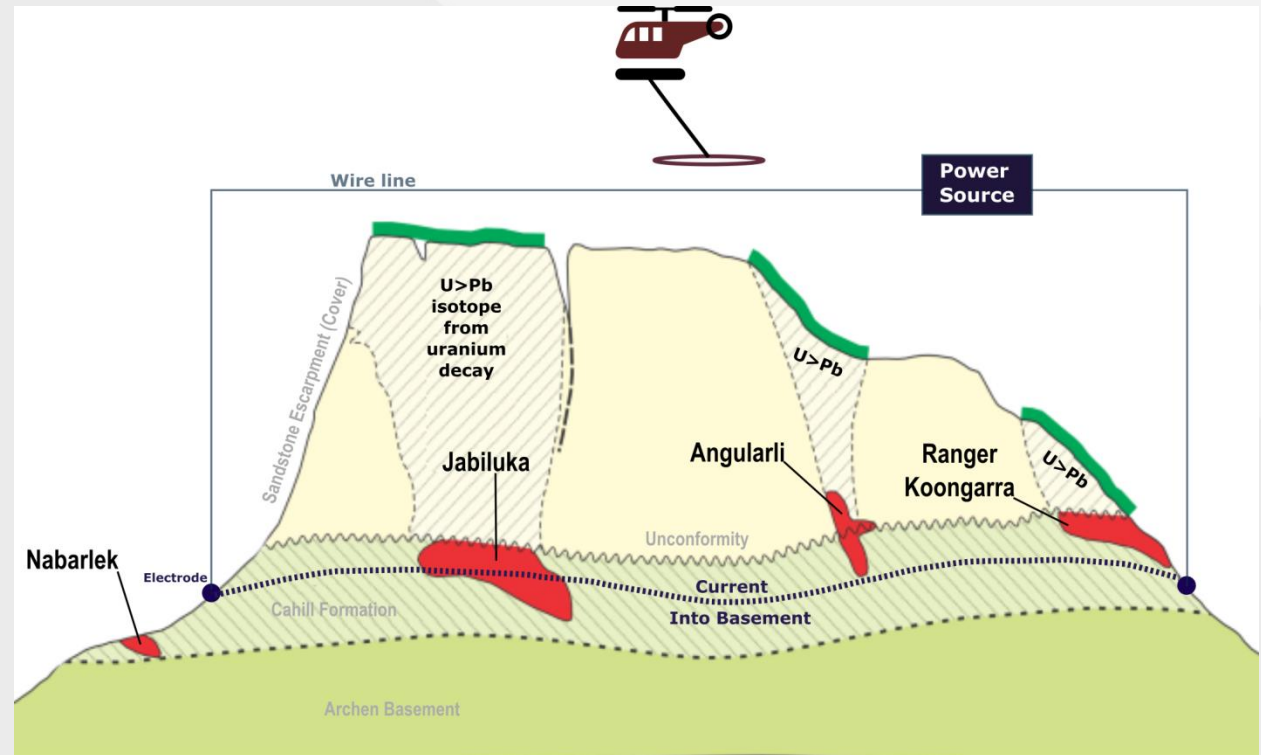
# Alligator Rivers Vs Athabasca





# Discovering Undercover Deposits

- SAM used in conjunction with decay isotope sampling to highlight coincident surface anomalies with basement conductors.
- Radon decay products (eg Pb isotopes) are a geochemical proxy for uranium.



- Unique SAM setup with electrodes located into basement below the resistive escarpment for identification of preferred basement host lithology (Cahill).
- Radon (a gas) diffuses into cover rocks, decays into daughter products, away from uranium source. Proprietary research used for isotopic data processing and identifying key anomalies.

# Alligator Rivers under cover potential

Ranger ore orebodies occur at surface – unknown how much of them has eroded over millions of years prior to their discovery.

The main globally significant unconformity uranium deposits are in the Athabasca and Alligator Rivers regions.

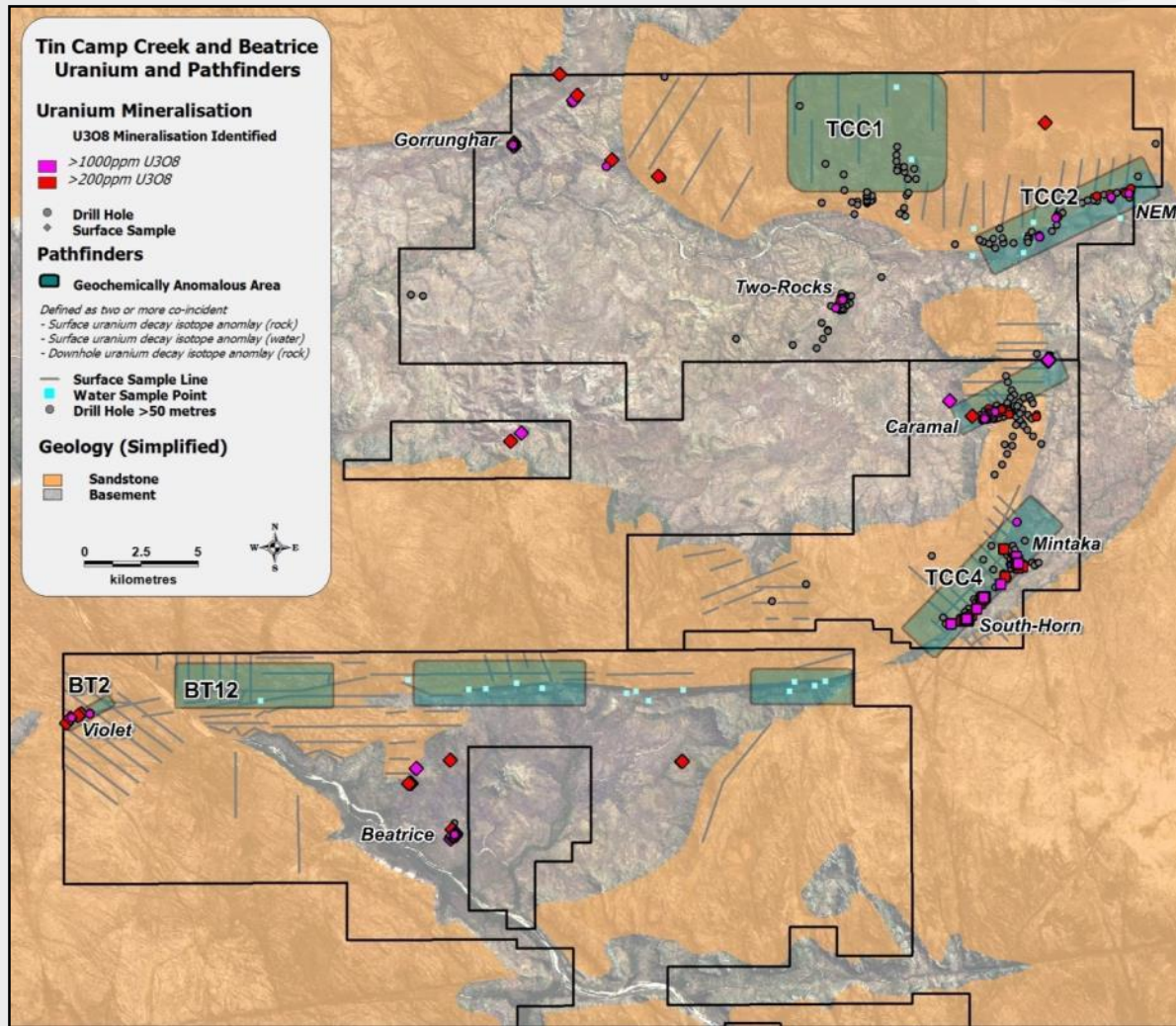
Like the Athabasca, initial uranium deposits were discovered in the Alligator Rivers at surface (Ranger, Nabarlek, Koongarra) in the late 60's / early 70's.

Unlike the Athabasca, for a variety of reasons, the progressive exploration under cover did not occur.

Smaller deposits (e.g. the Caramal deposit discovered by QML and now owned by AGE), were found by airborne radiometrics where sandstone has been eroded with unknown quantity of the deposits also eroded.

AGE has now identified Ranger like regions, with the interpreted preferred structural and stratigraphic conditions, under sandstone cover which are ready to drill.

# Beatrice and TCC Project Overview



**ARUP is the only region delivering high grade uranium in Australia**

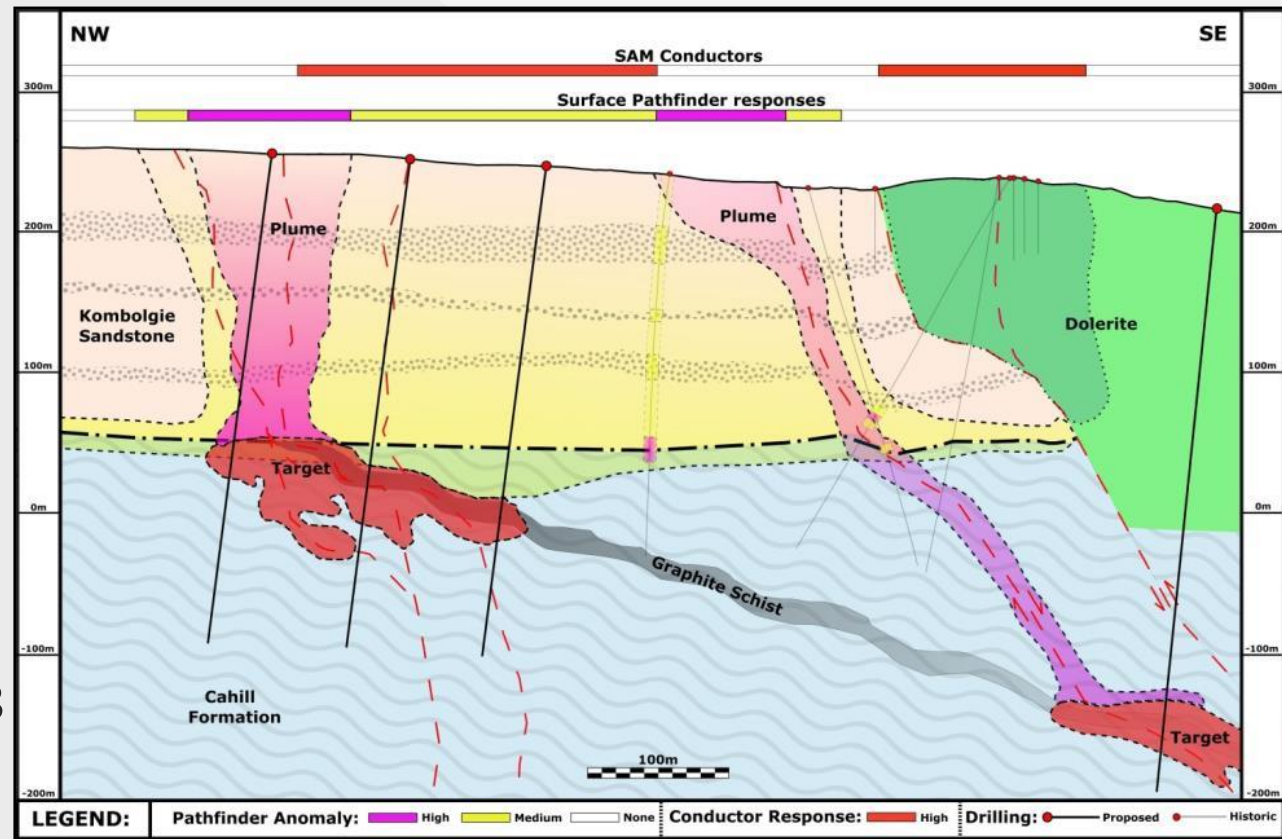
Hole ID	From (m)	Length (m)	U3O8 (ppm)
<b>Caramal</b>			
CAD11-020	108	14	7,072
INCLUDING	111	9	10,099
<b>North-East Myra</b>			
OBR14-111	60	3	1489
AND	67	1	430
<b>Gorrunghar</b>			
OBR13-082	13	7	2,886
<b>Two-Rocks</b>			
MRR-047	8	6	1260
MRD-0101	72.4	1	30715
<b>South-Horn</b>			
TCSHD0004	72	6	8378
<b>Mintaka</b>			
OBR12-040	78	15	512
INCLUDING	78	5	1,292
<b>Beatrice</b>			
BTD0273	5	19	3626
INCLUDING	11	5	6456
<b>Violet</b>			
BTD0280	30	6	804
AND	46	5	626

Best drilling intersects from various prospects within currently granted AGE tenements



# TCC4 – A Drill Ready Target

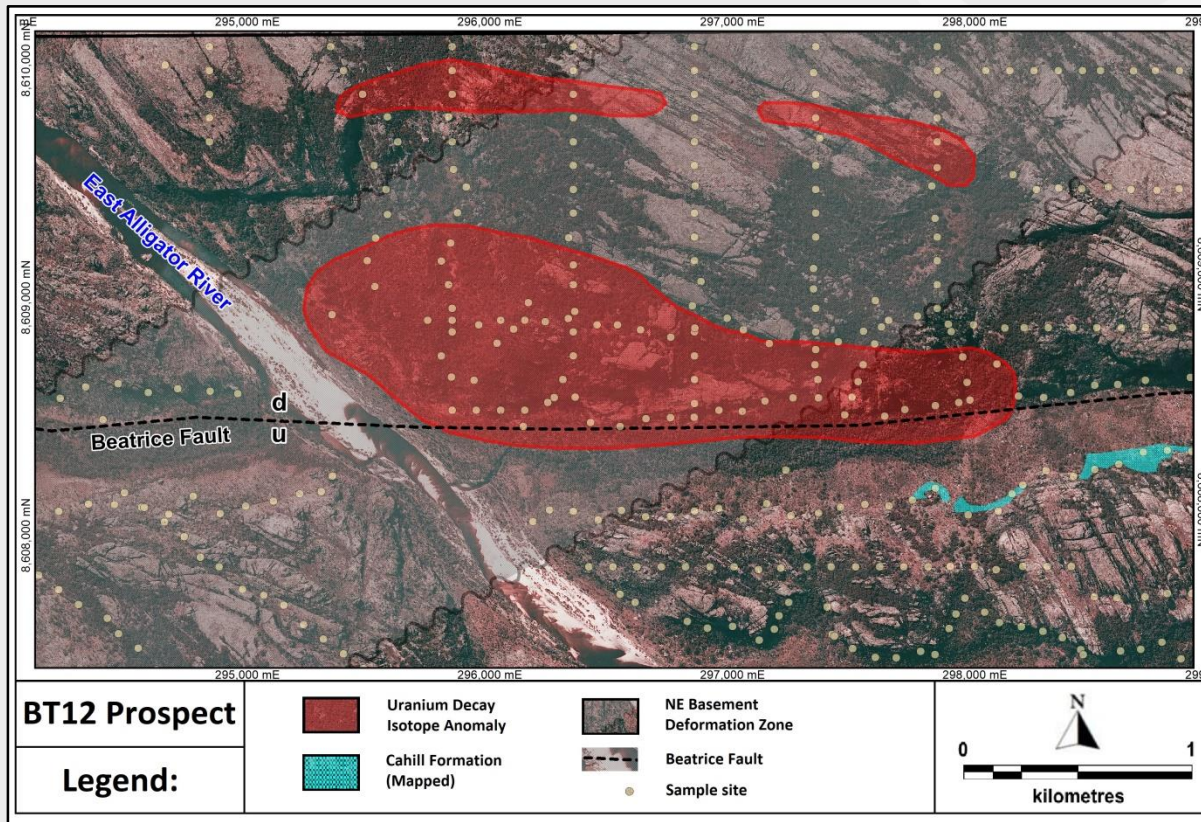
- Preferred Cahill basement – similar to Ranger
- Coincident SAM and Pathfinder responses – AGE under cover IP.
- Graphite schists interpreted at U/C contact from 2014 drilling – similar to Ranger
- Large fault structures
- Nearby high grade U3O8 mineralisation
- Unique application of isotope ratio (pathfinder) analysis
- Modified application of Sub Audio Magnetic (SAM) technology



**Preference is to drill 3 lines – 15 holes in total to test and prove the under cover targeting techniques**



# BT12 – Extensive Pathfinder Target



*Beatrice tenement is 25kms east of the Ranger Mine*

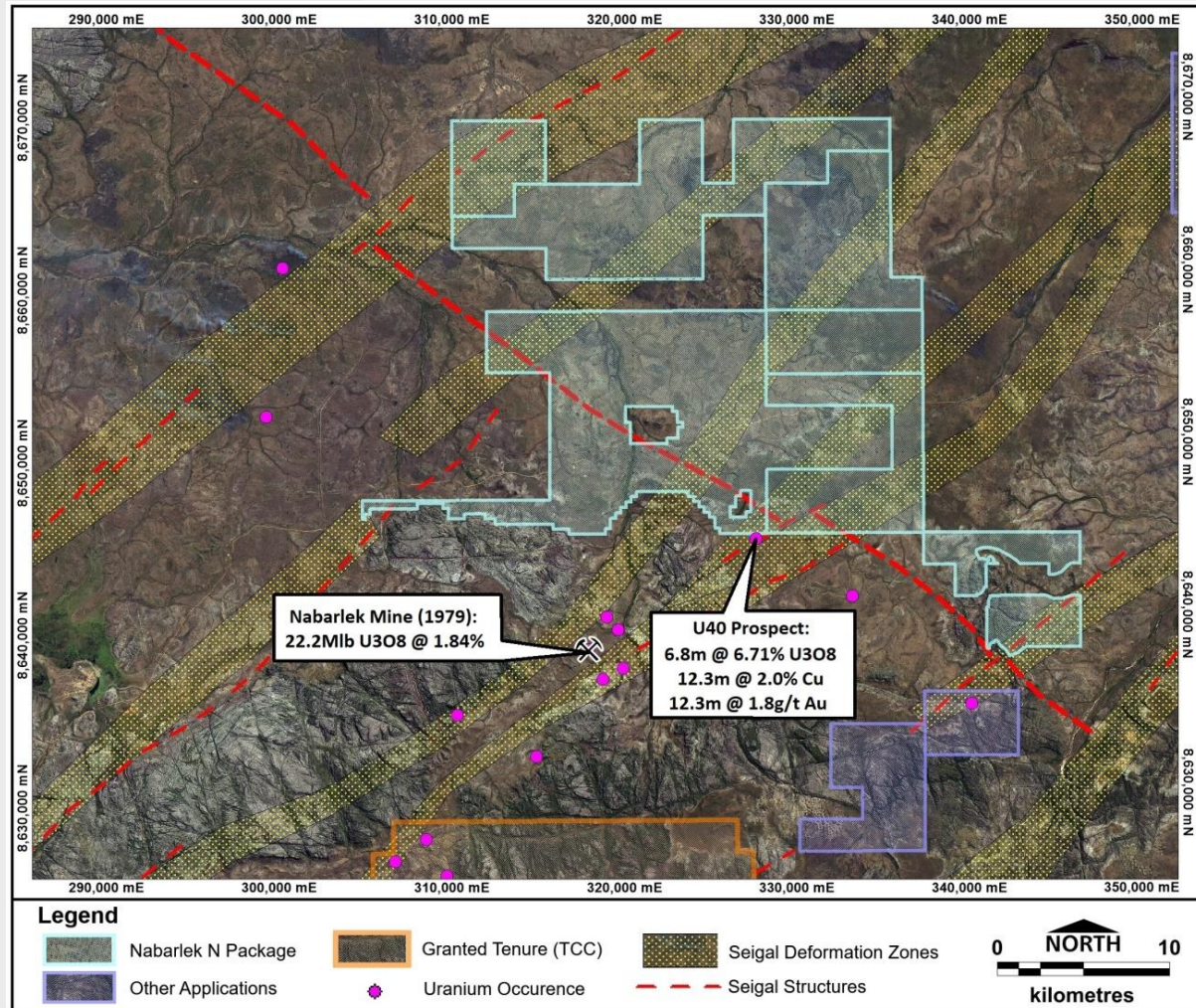


- Evidence of Preferred Cahill stratigraphy
- Strong Geochemical Pathfinder response
- Large fault structures
- Nearby U3O8 mineralisation
- High radionuclide elements (pathfinders) within ground waters
- Evaluating next step;
  - Geophysical refinement
  - Drilling “stratigraphic hole”



# Nabarlek North (Application)

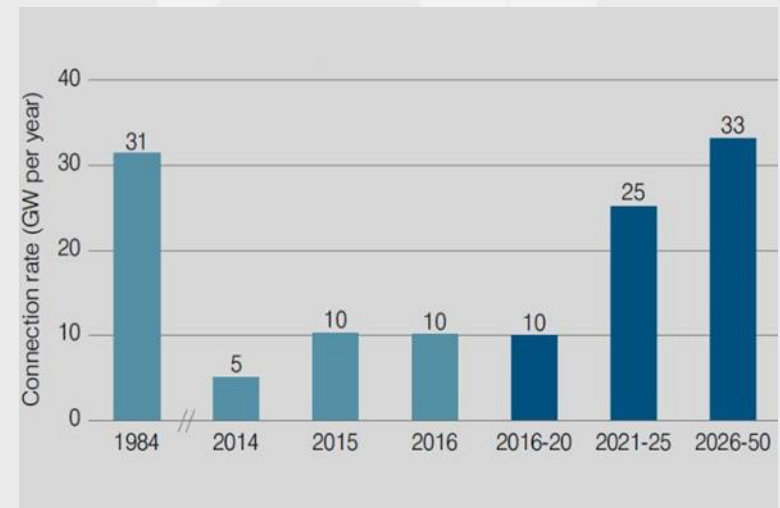
- Preferred Cahill basement historically identified in SW.
- Historic Nabarlek mine < 7km to South with historic production of 24Mlb at 1.84% U3O8.
- U40 prospect located on tenement boundary with reported 6.8m @ 6.71% U3O8.
- Fertile fault structures present.
- Excellent opportunity to deploy AGE undercover exploration techniques



*Latest uranium tenement application*  
*Minimal historic work conducted*

# Uranium Outlook

- The Sept 2017 market report from the World Nuclear Association showed nuclear power generation globally had increased to a level above that at the time of the 2011 Japanese tsunami. This has been mainly through new nuclear plant construction in China, India, Russia, the Middle East, and a range of other countries;
- In March 2018, the UAE completed construction of its first nuclear power plant at Unit 1, Barakah nuclear station. All four units at Barakah are scheduled for completion by 2020, and will supply 25% of the UAE's electricity needs;
- Combined with recent production cuts at Cameco's McArthur River Mine in Canada and Kazatomprom's operations in Kazakhstan is likely to result in anticipated reduction in uranium stocks through 2018. Along with this there are a number of significant global nuclear utilities who will need to replace expiring long-term uranium supply contracts in the next 1-2 years.
- Alligator remains optimistic for the short to medium term outlook, and remains committed to low, cost effective progression of its uranium assets.



*Connection rate of new nuclear power capacity globally, with future World Nuclear Association predictions.*



# Piedmont Project – Northern Italy (Co, Ni, Cu)

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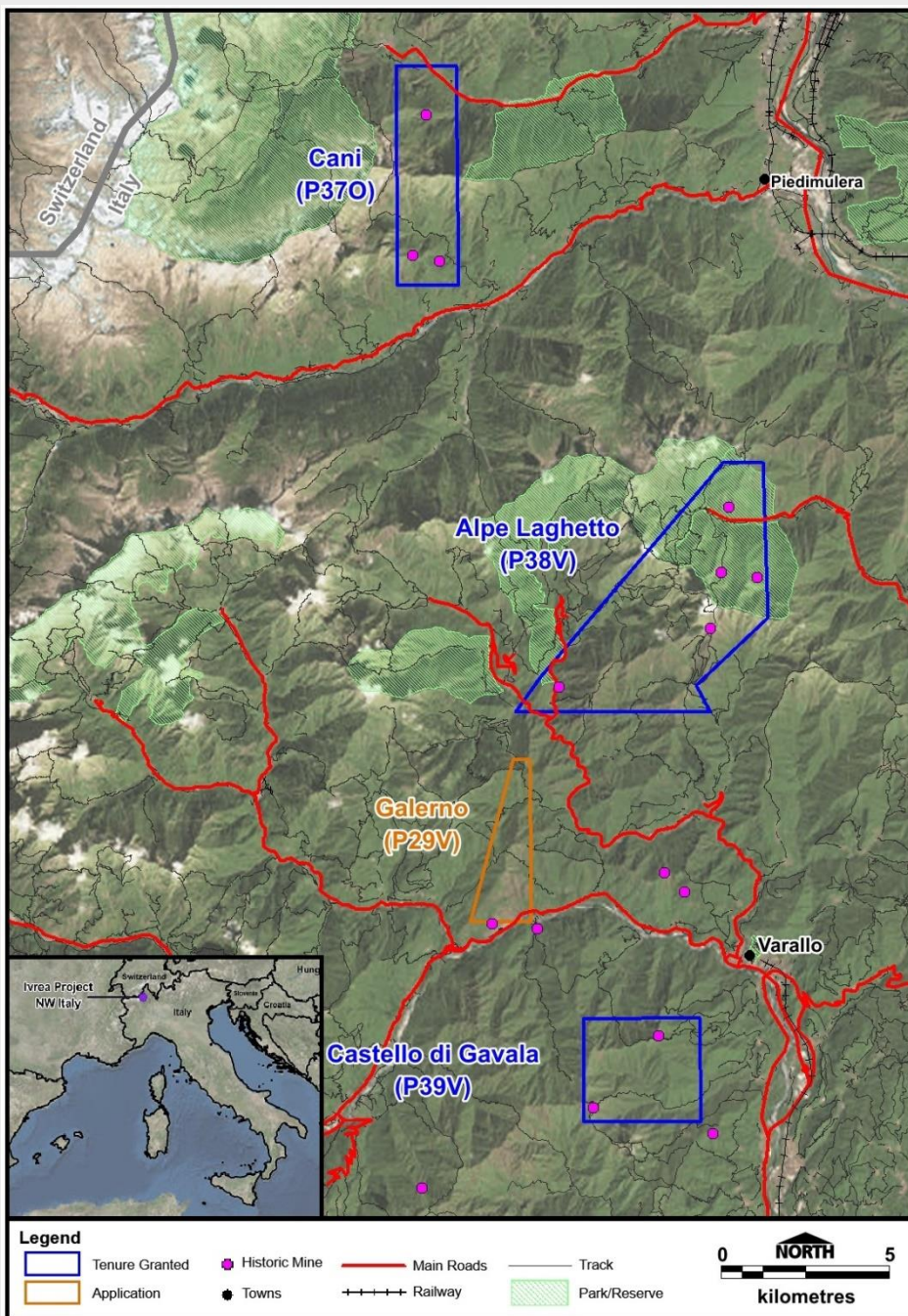


**Outstanding geophysical anomalies with no modern follow up exploration within a historic mining district**

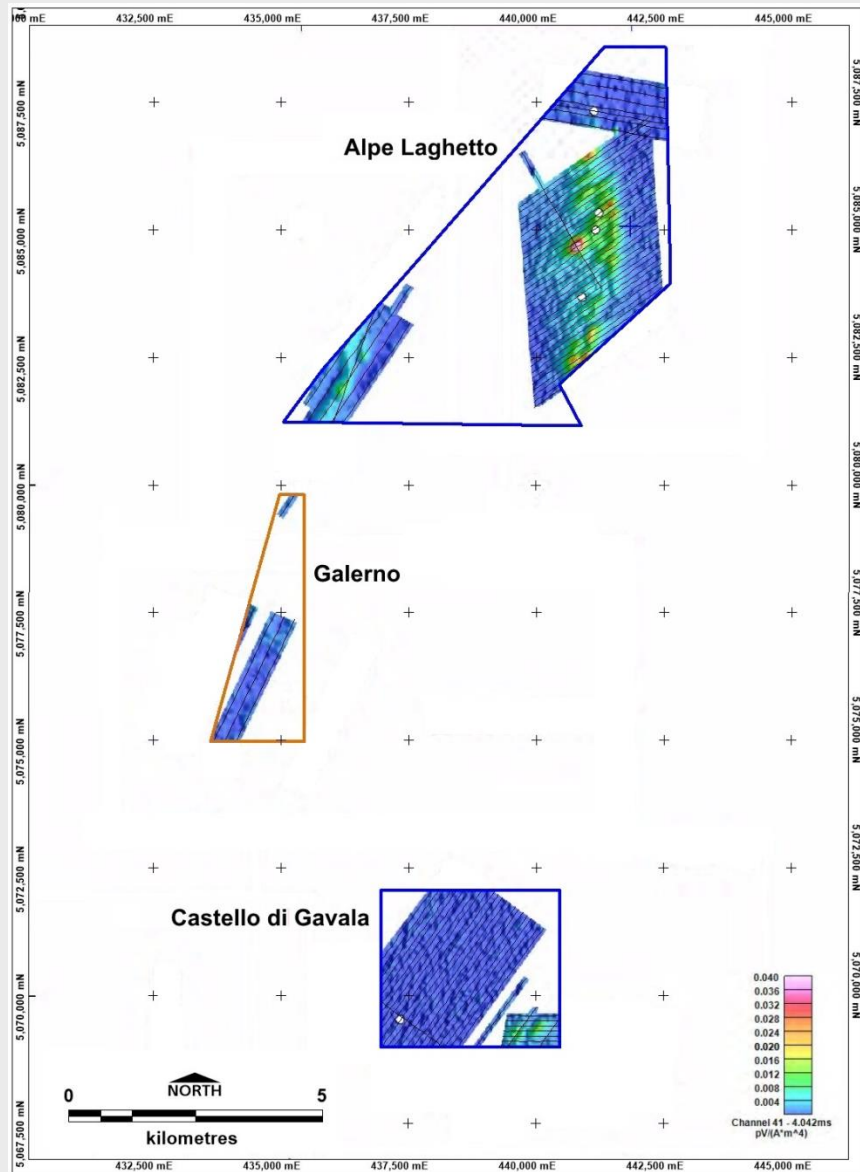


# Why Piedmont?

- Historic mining district with cobalt, nickel and copper mining taking place from the late 1800's to the end of WWII
- Virtually no modern exploration
- Recent EM survey highlights standout target proximal to historic workings, completely untested.
- Multiple less defined targets being progressed
- Historic records of high cobalt nickel ratios
- Accessible terrain located 100km from Milan, with railway and sealed roads within the project area
- Access permits in place enabling rapid evaluation



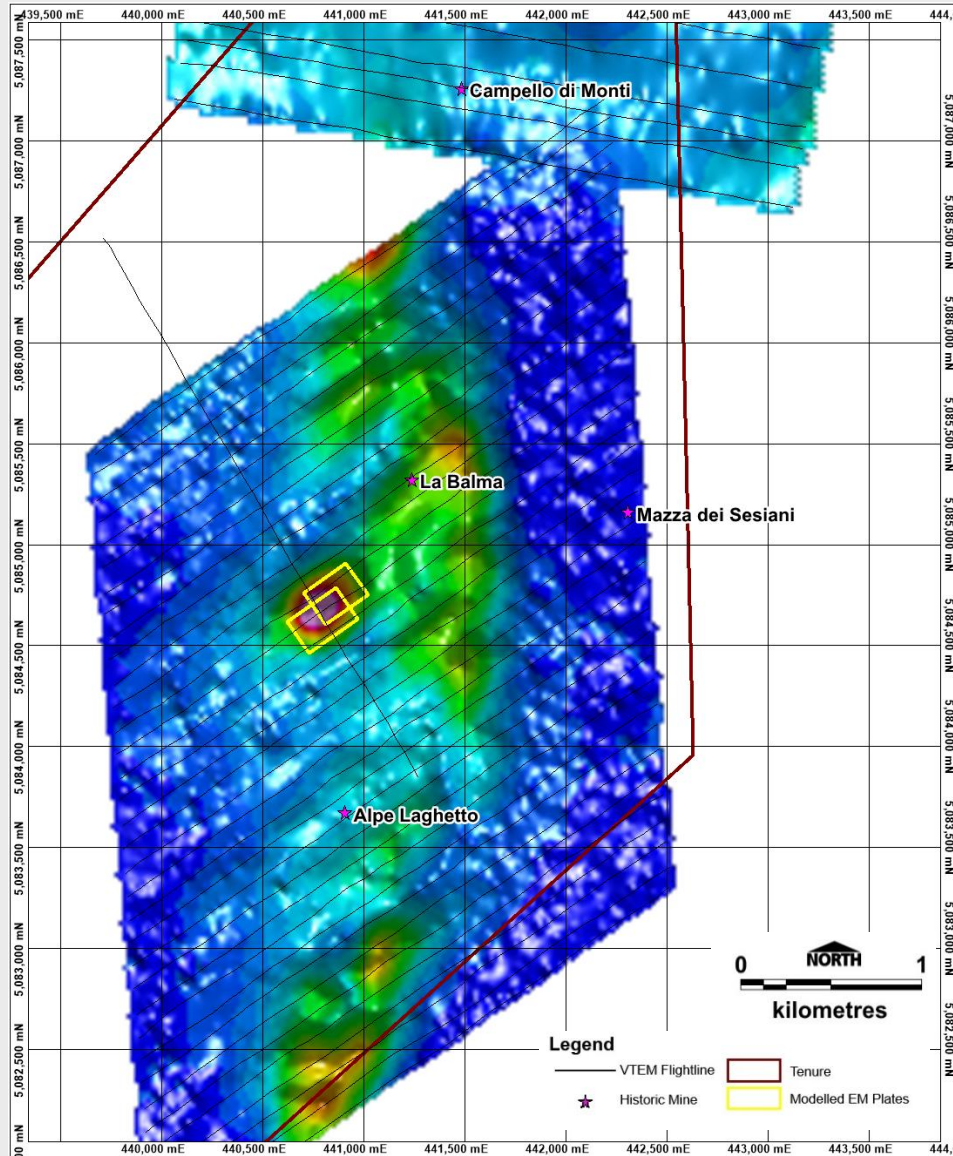
# 2015 Piedmont EM Survey



- High level processing of electromagnetic data flown in 2015 produced 14 anomalies that require further processing and investigation.
- Detailed modelling commissioned by AGE of the Alpe Laghetto survey produced an outstanding EM response that AGE considers similar to that from a layered massive sulphide body, and is located proximal to two historic mines. This area will be the primary focus for the phase 1 work program
- Detailed geophysical modelling of the remaining anomalies has commenced



# Primary Target - Alpe Laghetto



*Mine Entrance at Alpe Laghetto*



*Gossan at Alpe Laghetto*

*Modelled EM plates with respect to late-time (Ch35)  
Z-component data (linear colour stretch)*

*Photos from Nyota Minerals*

# Piedmont Region Historic Indicative Initial Mine Grades

	Mine	Ni (%)	Cu (%)	Co (%)
Within project area	Campello Monti	1.54	0.31	?
	La Balma	0.9	0.17	0.15
	Alpe Laghetto	1.5	?	0.3
	Bec d'Ovaga	1.5	0.4	0.16
	Castello di Gavala	2.3	1.8	0.23
Within district	Meula	0.6	?	?
	Bottorno - Lavaggio	?	?	?
	Isola di Vocca	0.8	0.23	0.15
	Guaifola	0.5	0.15	0.09
	Sella Bassa	1.8	0.3	0.18
	Valmaggia	0.7	0.3	0.17
	Piane Belle	1.15	0.25	0.14
	Fej di Doccio	1.3	0.24	0.16
	<b>Total</b>	<b>1.13</b>	<b>0.44</b>	<b>0.17</b>

Historic mine grade estimates demonstrate the presence of Ni, Cu & Co mineralisation within the district.

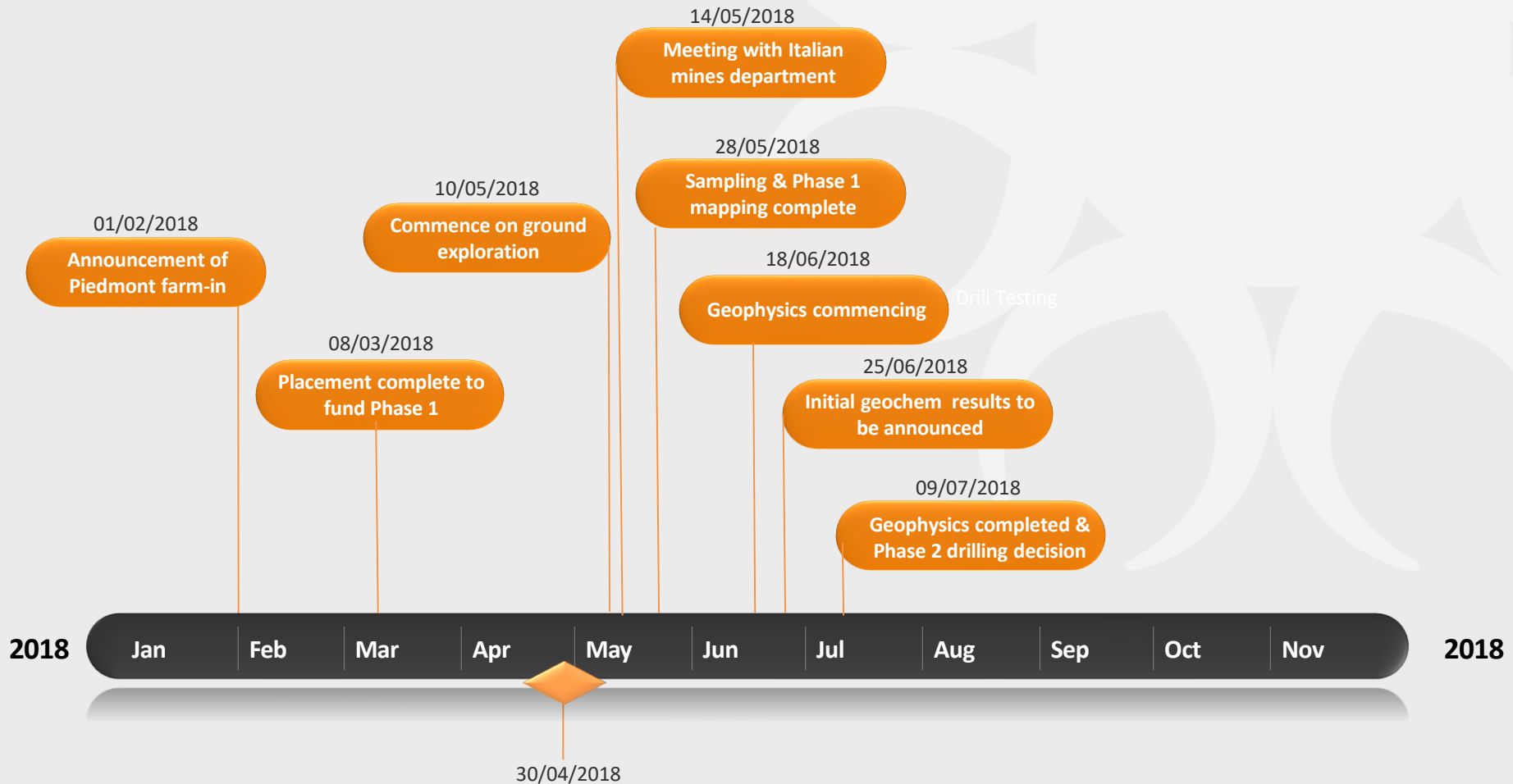
Estimate is taken from a 1980s exploration report and refer to pre 1939 mine production.

Data is non JORC compliant and no reliance upon it or assumptions on future exploration results should be taken from it.

*Indicative initial mining grades from the district as estimated by 1980's explorer*



# AGE Piedmont Project Timeline



*Parallel business development, progressing new opportunities and continued assessment of current projects to maintain quality target pipeline*

# Secondary Targets

## **Castelo di Gavalá Licence (Co, Ni, Cu)**

- Two main electromagnetic anomalies that require further modelling and interpretation
- Location of 2 old mine sites (Castello di Gavalá and Bec d'Ovega) that require investigation

## **Gula (within Alpe Laghetto licence) (Co, Ni, Cu)**

- Seven main electromagnetic anomalies that require further modelling and interpretation, one of which sits adjacent to the historic Gula mine

## **Galerno Licence (Co, Ni, Cu)**

- One historic mine plus numerous “prospects
- Minimal geophysics cover
- Lowest priority Co, Ni, Cu licence

## **Cani Licence (Au)**

- Two historic gold mines with no known work for over 100 years
- Proximal to the Pestarena gold mine – largest in the region operating up to 1961

# Work Program and Proposed Budget – Piedmont Project

## **Phase 1 (\$250,000 – \$280,000):**

Ground reconnaissance, geochemical survey and mapping of Alpe Laghetto primary EM target

Ground EM or IP survey at Alpe Laghetto to refine drill target potential – if required

Siting of initial drill holes and drill permits

Reconnaissance geochemical survey of secondary targets

## **Phase 2 (Indicative \$400,000 - \$500,000) :**

Drilling of priority targets based on phase 1 prospectively assessment

(Note: if greater than 120% of planned spend then this rolls over to next phase allowable expenditure)

# Alligator Energy Ltd – Piedmont Deal

Binding Heads of Agreement with Chris Reindler controlled entities (CRP).

AGE paid CRP \$45,000 worth of AGE shares to be held in escrow for at least six months (50%) and twelve months (50%);

Phase 1 - AGE commits to solely fund and manage a minimum of \$250,000 of target evaluation within 6 months, after which AGE can continue or withdraw.

Phase 2 - AGE elects to continue and earn a 51% interest in the titles by paying CRP \$45,000 cash and solely funding a further \$400,000 drilling program.

Phase 3 - AGE has the right to earn a further 19% interest (70% total) by sole funding managing a further \$1.25M program of work

Upon AGE ceasing sole funding the partners to the JV will contribute in proportion to their interest in the JV or dilute. If a partner's interest falls below 10% it will be converted to a 1% NSR;

AGE and CRP agree to collaborate on other Ni, Co, Cu opportunities within Italy



# Contact Us

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