

To: **Company Announcements Office**

From: **Francesca Lee**


Date: **25 October 2018**

Subject: **Newcrest 2018 Investor Day Exploration Presentation**

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Attached for release to the market is a presentation to be given at the Newcrest 2018 Investor Day on 26 October 2018 in relation to Exploration.

Yours sincerely



**Francesca Lee**  
Company Secretary

NEWCREST INVESTOR DAY 2018

# Exploration edge

Fraser MacCorquodale  
General Manager - Exploration



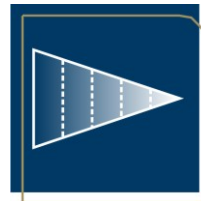
# What are we looking for



Au and Au–Cu deposits



Tier 1 or Tier 2 deposit



Early stage to advanced opportunities

# Our Exploration Strengths



Global Remit



Financially  
Robust



Able to mine and  
process all Au  
and Au-Cu  
deposits



Strong exploration  
capability

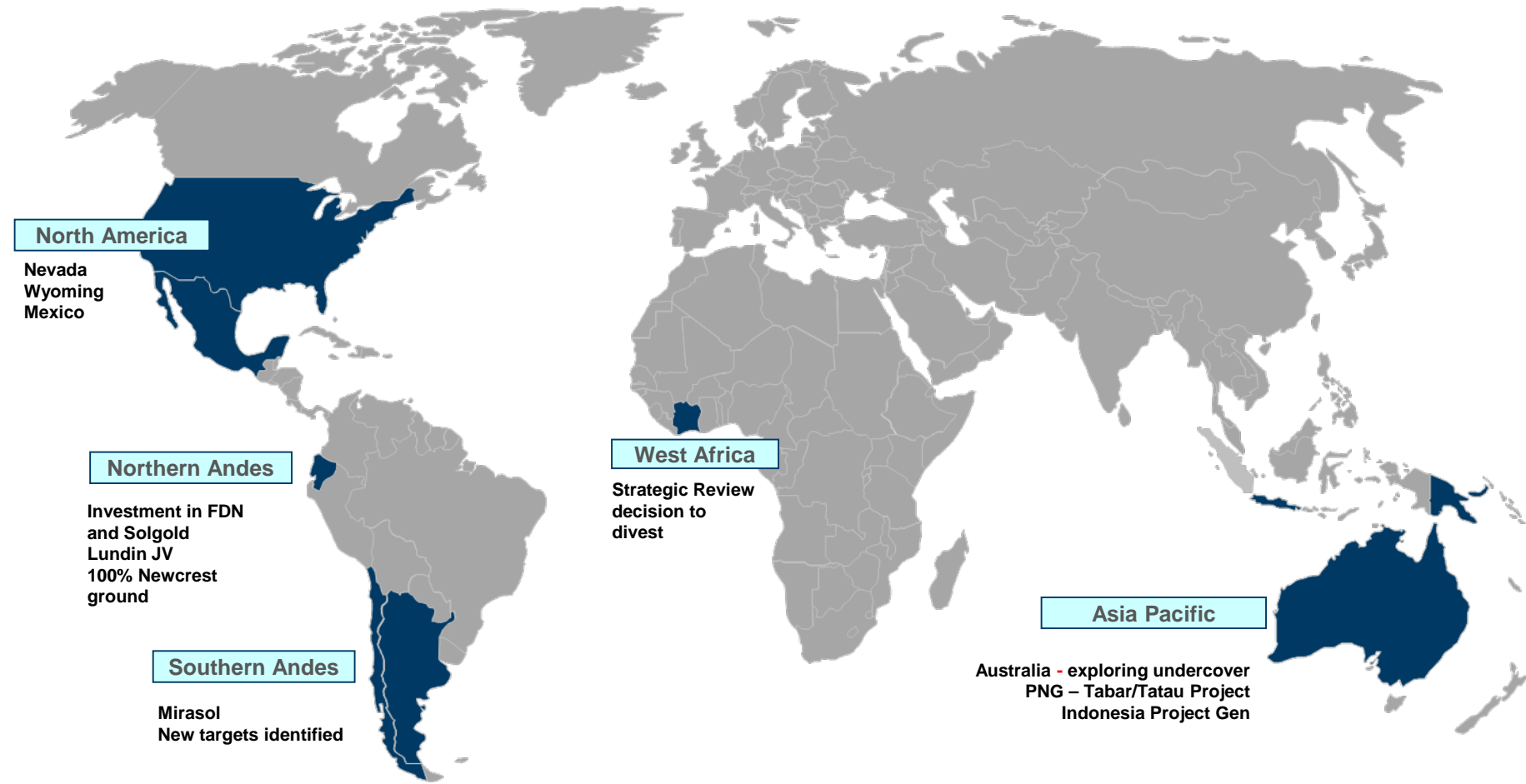


Exploration  
Innovation



Collaborative  
Approach

Search  
Space –  
Targeting  
orebodies  
aligned with  
our  
experience



Actively exploring in 5 regions globally

Able to mine  
and process  
all types of  
Au and Au-  
Cu deposits

## Mining



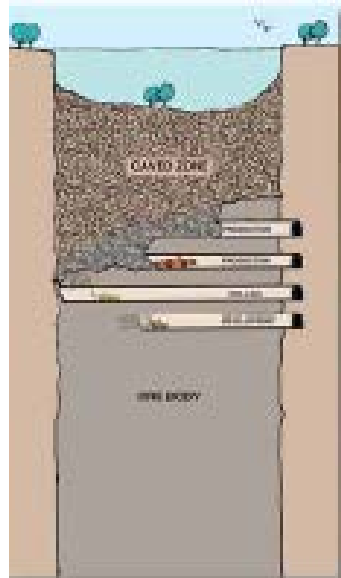
Open pit  
Selective  
Underground  
  
Bulk  
Underground  
(Including Block Caving)

## Processing

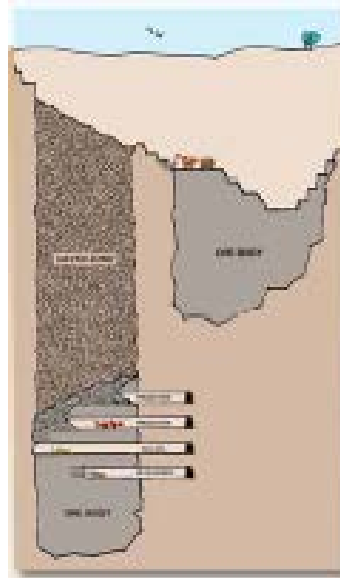


Large scale  
comminution  
  
Pressure oxidation  
  
Copper-gold flotation  
  
Cyanide & CIL

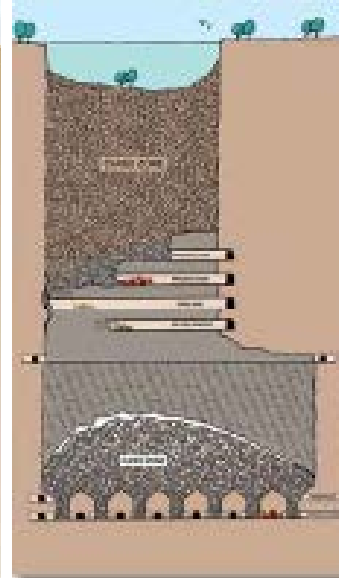
# Newcrest's Caving Technology gives us a deeper search space



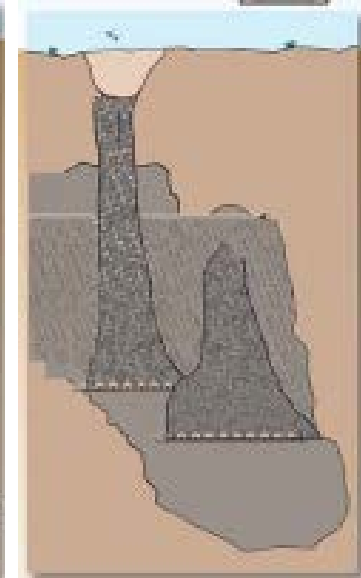
**2000 - 2010**  
**Ridgeway**  
Sublevel  
Caving



**2005 onwards**  
**Telfer**  
Sublevel  
Caving



**2009 - 2016**  
**Ridgeway**  
**Deeps**  
Block Cave

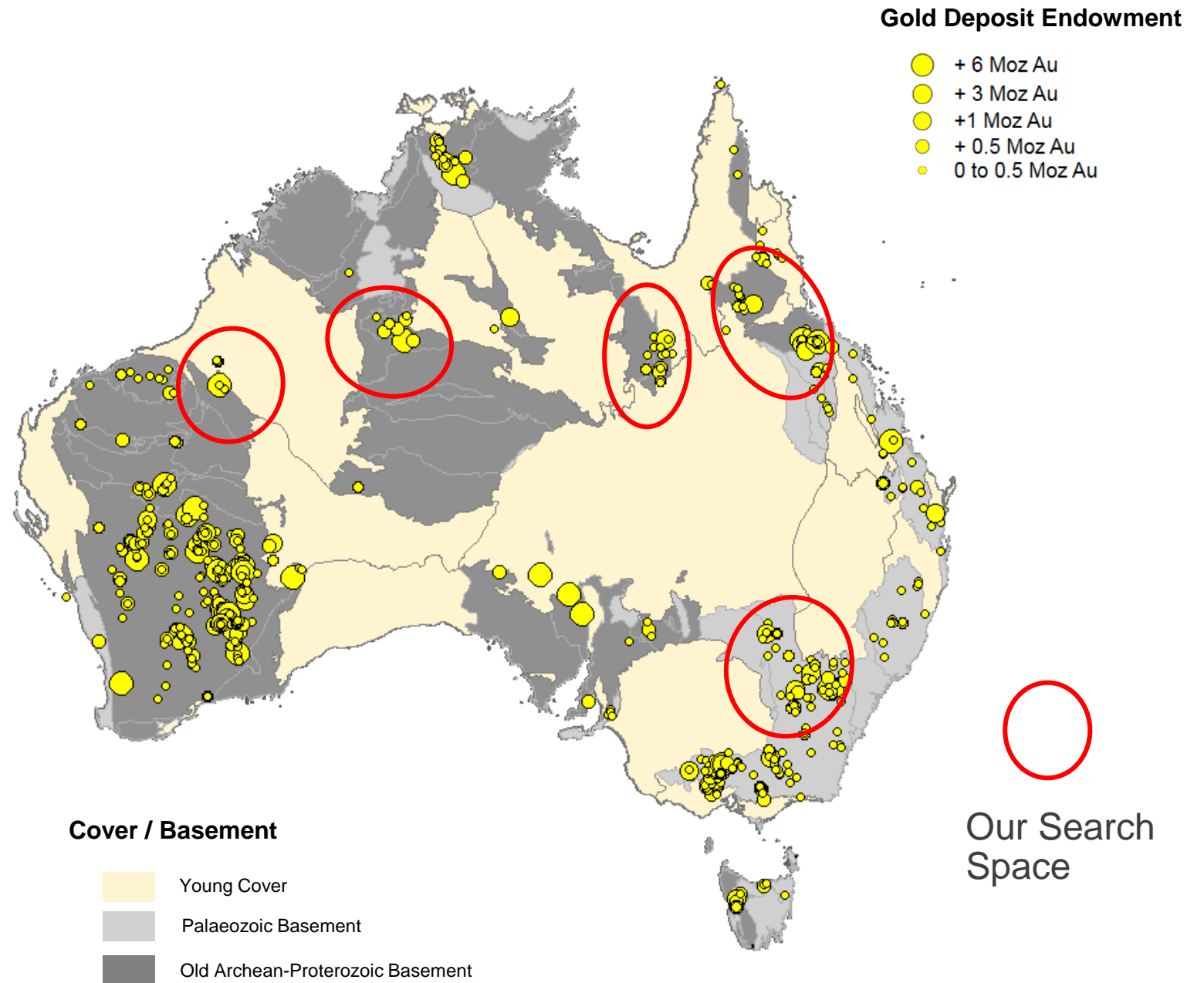


**2012 onwards**  
**Cadia East**  
Large caving  
operation



**Future**  
**Golpu**  
Block Caves

Looking  
deeper in  
Australia  
opens new  
opportunities

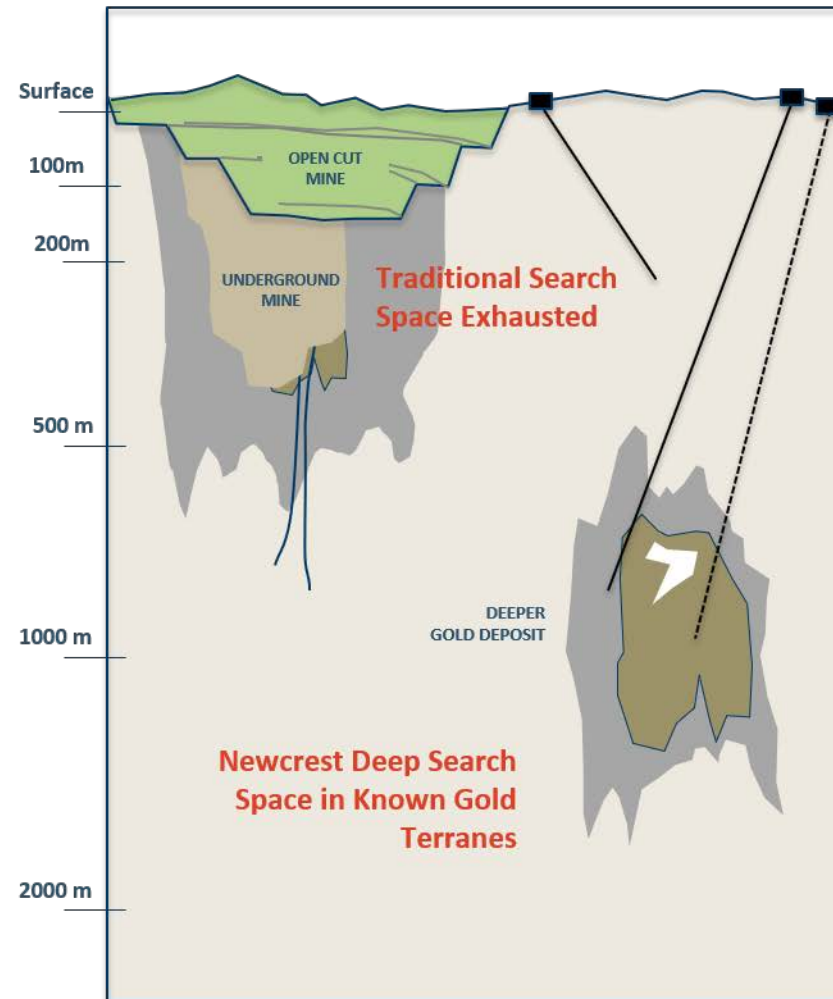




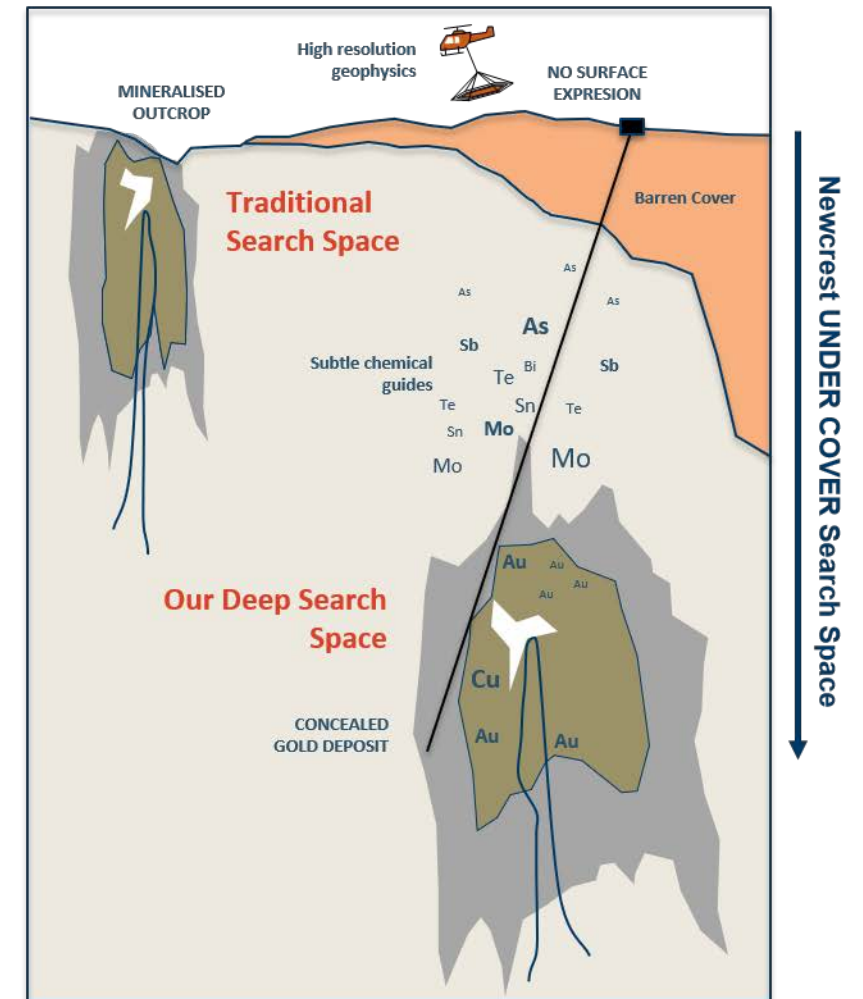
# Looking Deeper in Australia opens new opportunities

## 1. Looking Deeper in Outcrop Areas

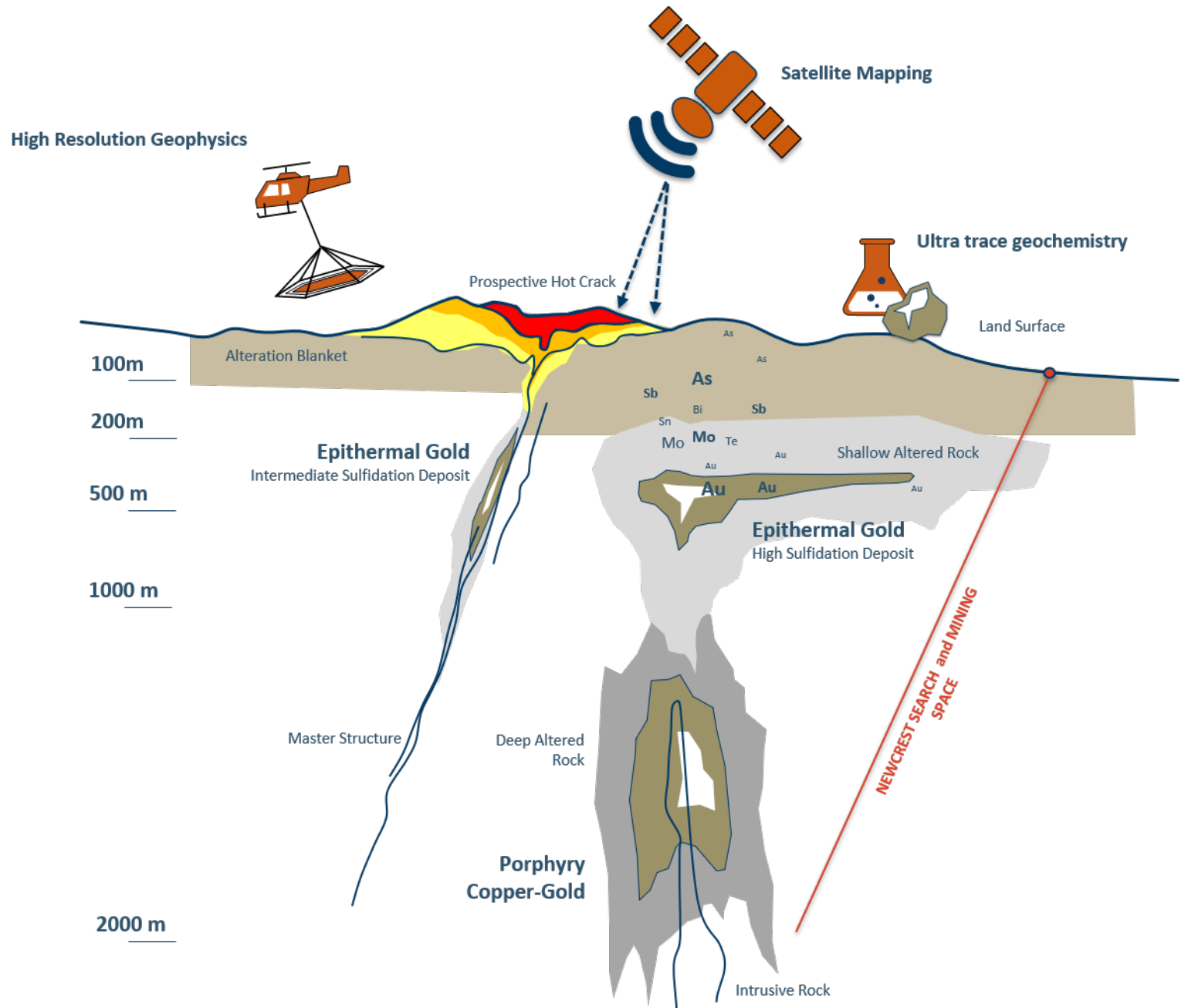
Cross Section (Not to Scale)



## 2. Exploring under Cover



# Looking Deeper in South America: Lithocap Search



# Exploration Innovation – Smarter and Faster Targeting

## Smarter and Faster Geochemistry

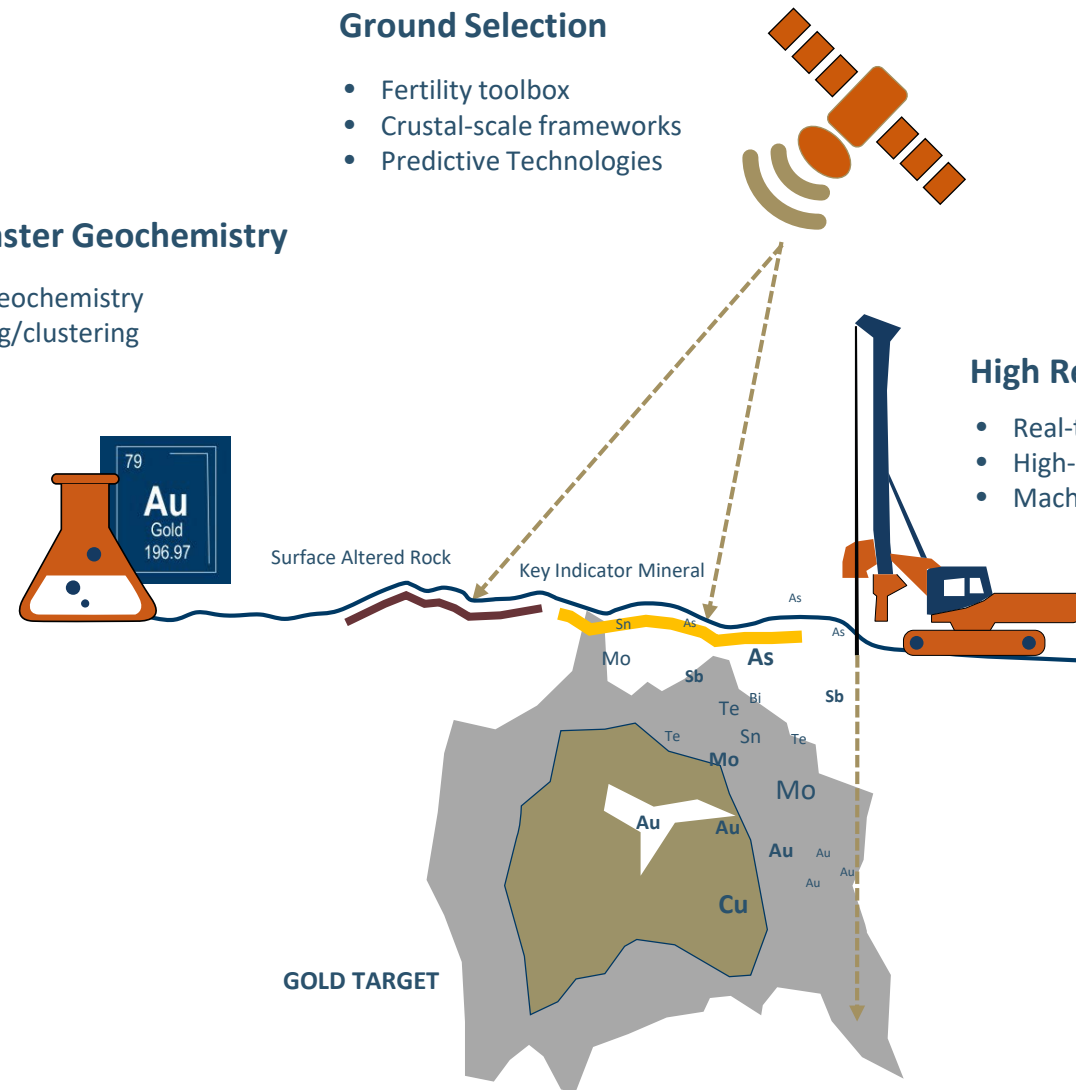
- Ultra low level geochemistry
- Machine learning/clustering

## Ground Selection

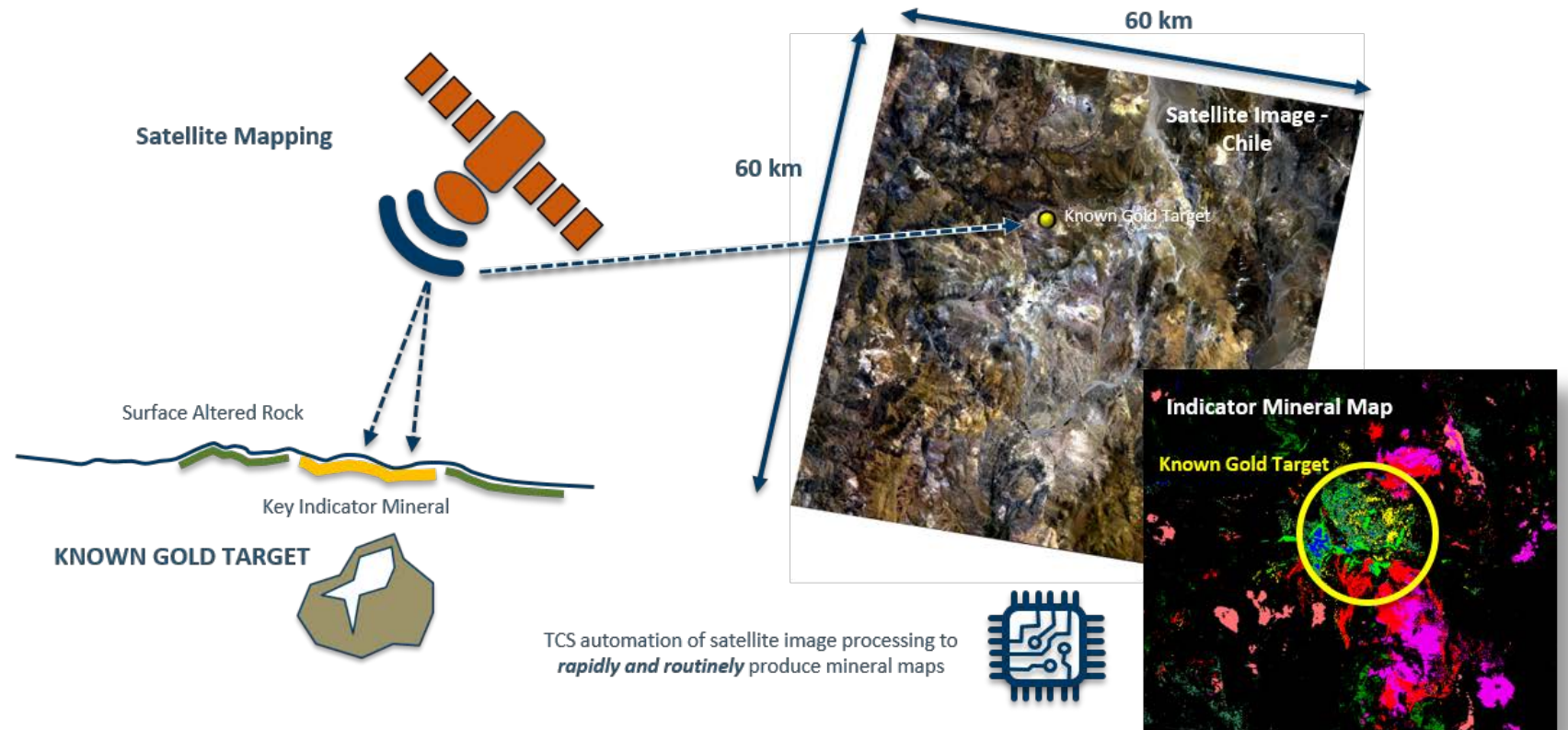
- Fertility toolbox
- Crustal-scale frameworks
- Predictive Technologies

## High Resolution Core Logging

- Real-time assaying
- High-resolution mineral mapping
- Machine learning/object detection

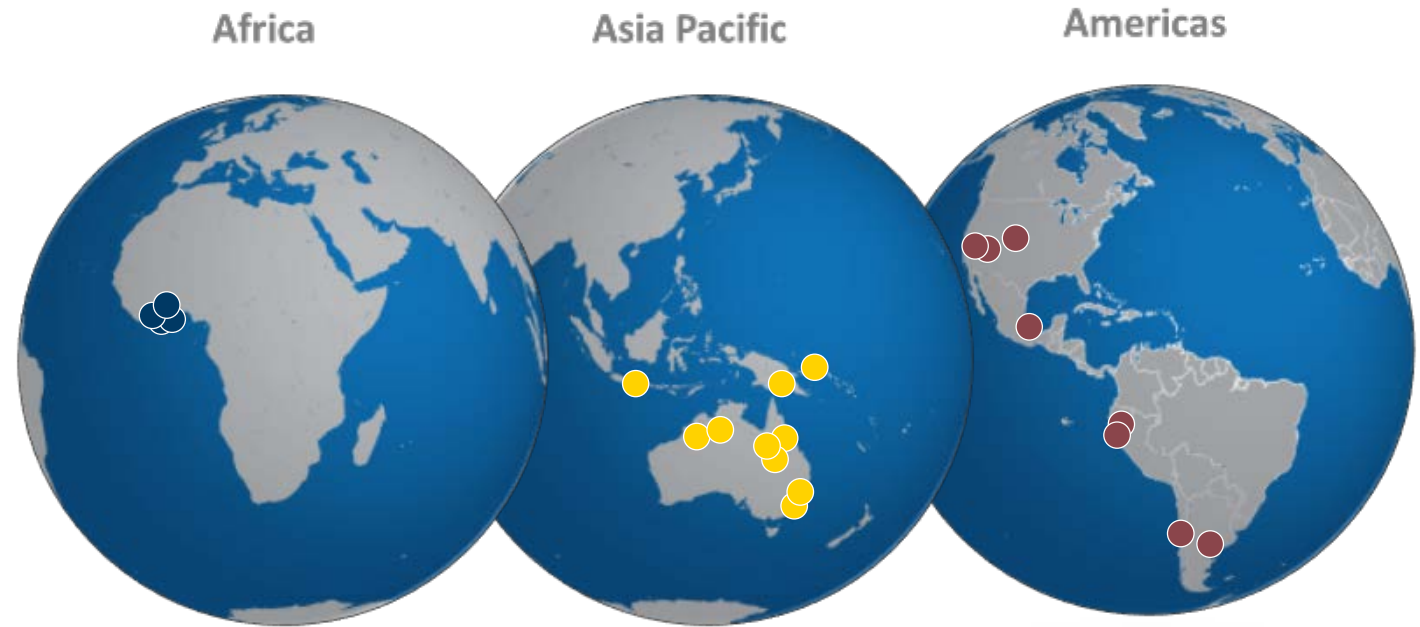


# Exploration Innovation – Predictive Technologies - TCS Partnership



Automation of satellite image processing from months to days...

# Collaborative Exploration Strategy



## Cote d'Ivoire

- Séguéla (100%)
- SINAIM JV (O & AP)
- Dianra North & South (100%)
- Bouake (100%)
- Boundiali (100%)
- Randgold JV (50% JV)

## Australia

- Second Junction Reefs (JV)
- Mendooran (O & FI)
- Encounter Alliance & JV's
- Euro (FI)
- Isa North (100%)
- Cloncurry (O)
- Bulimba (100%)

## Ecuador

- SolGold (EI)
- Lundin (EI)
- Lundin Gold (JV)
- Porphyry targets (100%)

## Argentina

- Cerro Lindo (O & FI)

## North America

- Jarbidge (O & AP)
- Rattlesnake Hills (O & FI)
- Epithermal targets (100%)

## Chile

- Altazor (O & FI)
- Zeus (O & FI)

## Mexico

- Azucar Minerals (EI)

## Indonesia

- Antam Alliance

## Papua New Guinea

- Wamum (100%)
- Tatau / Big Tabar Island (O & FI)

## Key:

FI – Farm-in

JV – Joint Venture

100% - 100% Newcrest tenement

EI – Equity Investment in company

O – Option

HOA - Heads of Agreement

AP – Asset purchase if elect to proceed



# The vision: New discoveries through unlocking our capabilities

