



**vector**  
resources ltd

# **MANIEMA GOLD PROJECT**

**Gold Exploration | Democratic Republic of Congo**

**FEBRUARY | 2017**

**ASX: VEC | VECTOR RESOURCES.COM.AU**

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The information in this announcement that relates to Exploration Targets, Exploration Results and Mineral Inventory is based on information compiled by Mr Peter Stockman who is a full time employee of Stockman Geological Solutions Pty Ltd. Mr Stockman is a member of the Australasian Institute of Mining and Metallurgy. Stockman Geological Solutions is engaged by Vector Resources Ltd as a consultant geologist.

Mr Stockman has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Stockman consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

# Company Highlights

- ASX listed gold exploration, development and mining company
- Acquired 70% interest in advanced Maniema Gold Project in January 2017 and exploration is already underway
- Seven exploration licenses with over 500km<sup>2</sup> landholding in one of the largest, underexplored greenstone belts in the world
- Maiden Inferred JORC 2012 Resource of 6.96Mt @1.9g/t Au for 421,000ozs announced in January 2017
- 2017 Exploration Program to include 4,000m of in fill and extensional diamond and RC drilling across 5 defined prospects
- Experienced and established international and Congolese management in place and exploration program commenced
- Focused on growing Vector into a major African focused gold exploration and mining company
- Several advanced gold exploration and near term production projects under review and negotiation by management



# Corporate Snapshot



## Board and Management

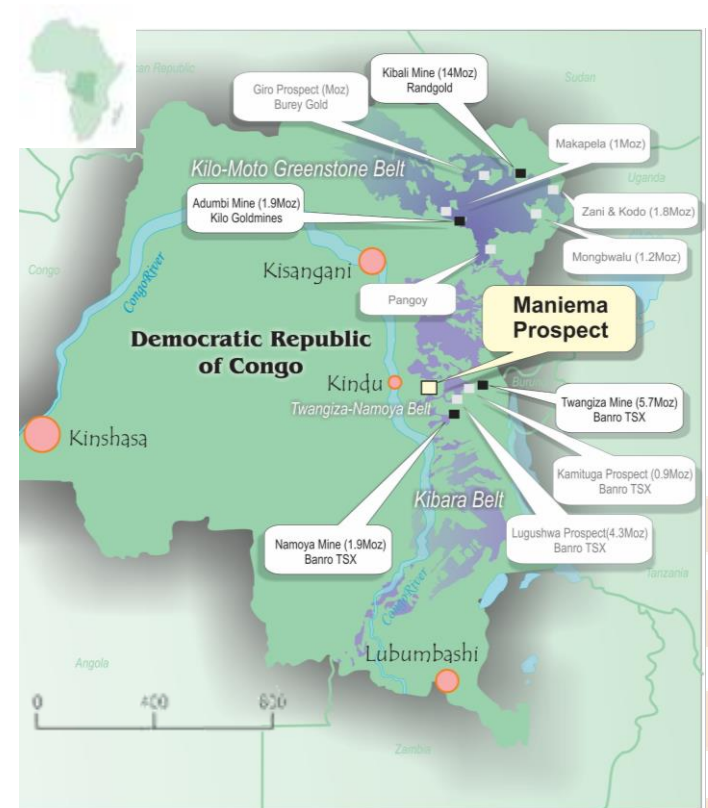
Simon Youds	Chief Executive Officer
Gary Castledine	Chairman
Neville Bassett	Director
Michael Hendriks	Director
Jason Brewer	Director
Peter Stockman	Consulting Geologist
Gedeon Pelesa	Country Director
Muna Dess	Community Relations
Diallo Abdoulaye	Senior Project Geologist
Gode Munganga	Logistics manager

## Capital Structure

Ordinary Shares	5,249 M
Options	nil
Share Price (as at 31/1/17)	0.3 c/share
<b>Market Capitalisation</b>	<b>A\$15.75 M</b>
Cash	A\$1.4 M
Total Debt	Nil
<b>Enterprise Value</b>	<b>A\$14.35 M</b>
<b>EV / Resource Ounce</b>	<b>US\$25/oz</b>
<b>Top 20 Shareholders</b>	<b>62%</b>

# Within a World Class Mining Province

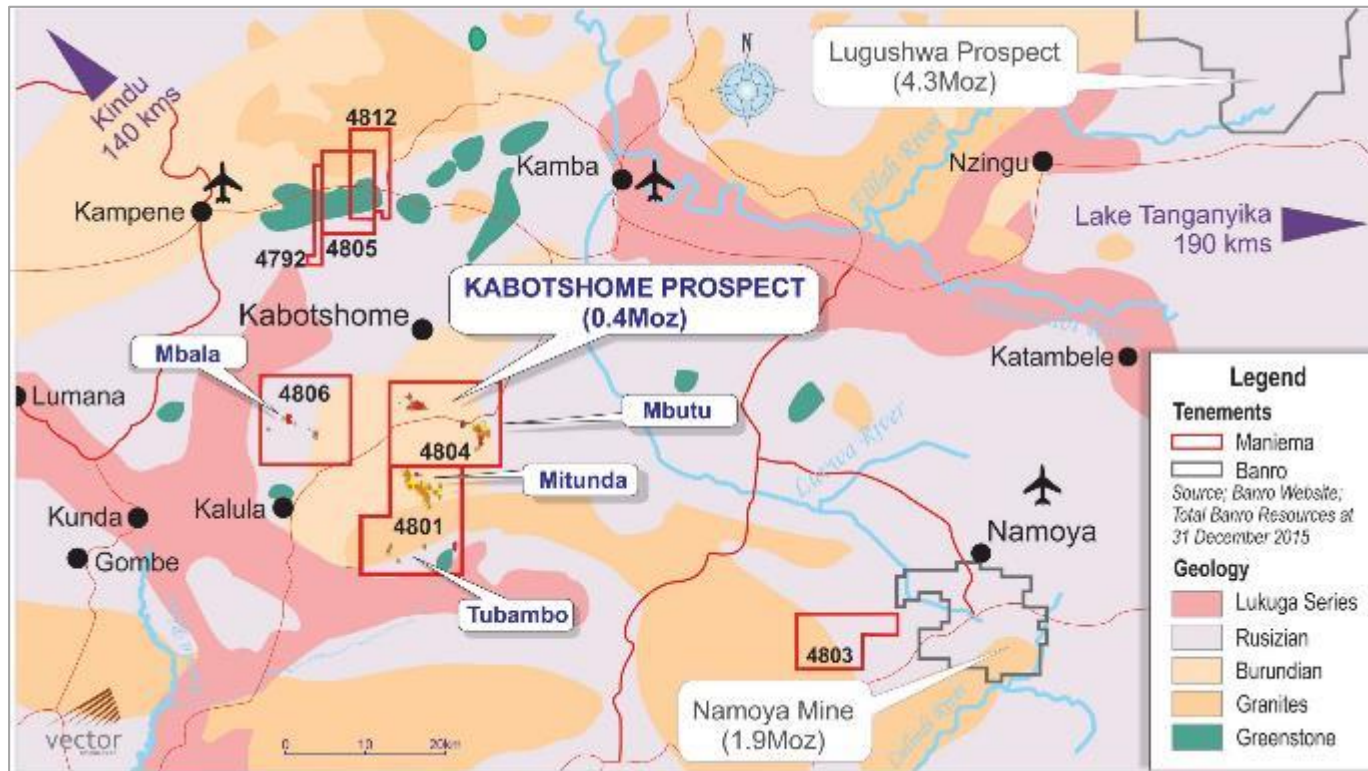
- Maniema Gold Project is located in a world class gold province
- Located on the north-western edge of the Kibaran Belt
- Kibaran Belt and adjacent Tanzanian Craton host more than 70Moz of gold resources
- Major established gold mines operated by Randgold, AngloGold Ashanti, Acacia and Banro
- Located at the western end of the world renowned Twangiza-Namoya gold corridor
- Twangiza-Namoya gold corridor hosts TSX-listed Banro Corporation's four major gold deposits and two operating gold mines which have more than 17Mozs of gold resources defined
- Banro's Corporation's Namoya Gold Mine is located east of the Company's Namoya West PR4803 license





# Maniema Gold Project

- 7 granted exploration licenses
- 5 main prospects already defined from previous exploration and drilling programs



- Kabotshome Gold Prospect is the most advanced with a JORC 2012 Resource defined in January 2017

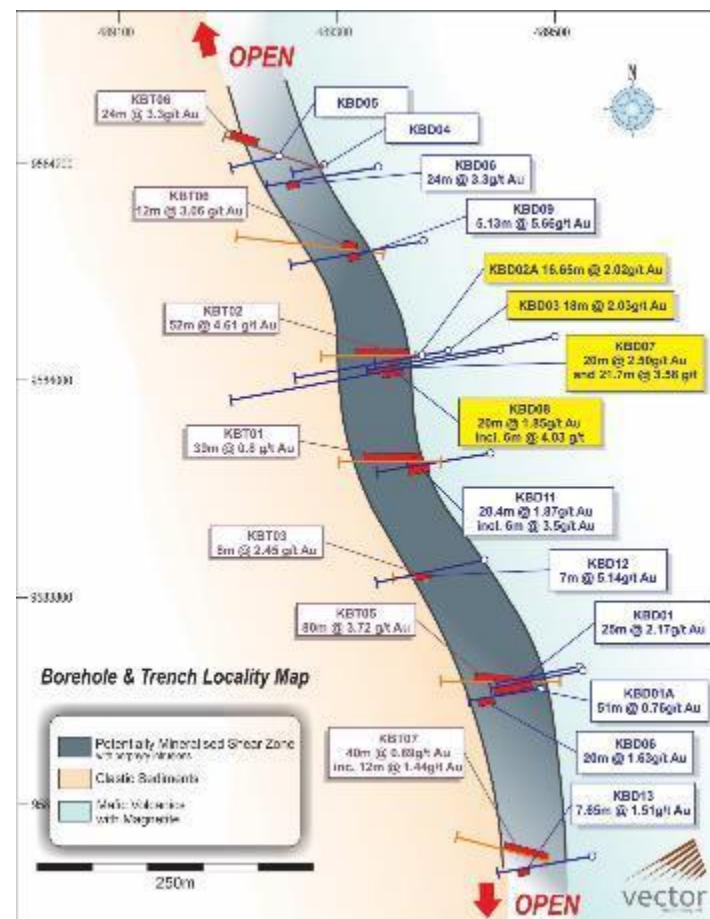
# Historical Work Completed

- Exploration of license areas has included geophysics, stream sediment sampling, soil geochemistry, trenching and drilling
- Diamond drilling has previously been carried out on the Kabotshome, Mitunda and Mbutu prospects
- Kabotshome was an alluvial mine operated until the 1960's and today is still actively exploited by artisanal miners
- Kabotshome has an associated soil gold anomaly of >100ppb which transgresses the target area over more than 1km.
- Drilling at Kabotshome has tested mineralisation along a 25m to 50m wide vertical shear zone coincident with the NNW orientated fold axis of a major anticlinal fold
- Gold mineralisation is associated with pyrite and minor arsenopyrite in quartz veins as well as silicified host rock and felsic porphyries which have intruded the shear
- Minor free gold is present



# Kabotshome Gold Exploration

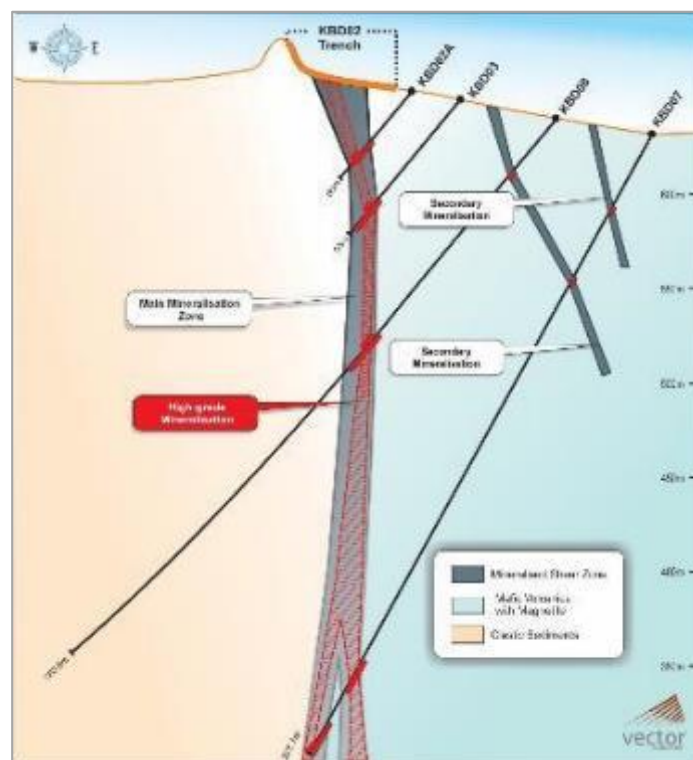
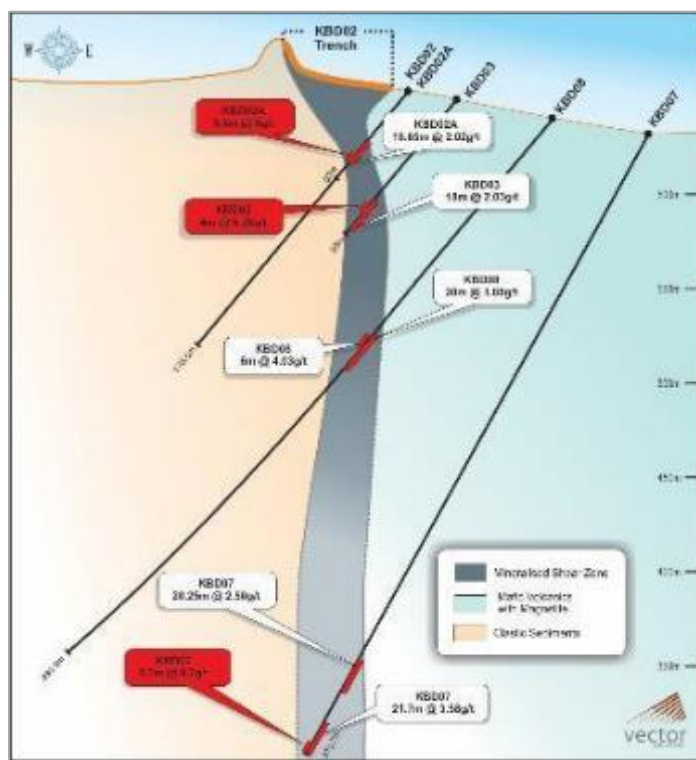
- Maiden JORC Compliant Inferred Resource of 6.96Mt @1.9g/t Au for 421,000ozs ( 20g/t top cut)
- 17 diamond holes drilled along the main target and all intersected gold mineralisation
- Mineralisation was generally 15m to 25m wide and tested over 800m in strike
- Mineralisation remains open along strike and at depth
- Hole KBD07 incl. **20.25m @ 2.5g/t** (from 319m) incl **8m @ 4.03g/t** and **21.7m @ 3.58g/t** (from 354m and incl **5.7m @ 8.74g/t**)
- Nearly all intersections reported higher-grade, narrower interval (5-7m), with grades of **5-8g/t** and up to **118.5 g/t**
- 2017 Exploration Program targeting strike and depth extensions - KBD07 finished in mineralisation with last drill metre returned assay of **20.3g/t**





# Kabotshome Exploration Highlights

- Consistent high grade intersections 5-7m wide over 800m strike averaging 5-8g/t, up to 118.5 g/t and apparent thickening at approx. 300m depth
- Follow up resource definition diamond drilling in 2017 Exploration Program along strike and at depth



# Extensive Artisanal Alluvial Activity

- Previous colonial mining at Kabotshome by Belgians was reported as being stream alluvial
- Vector's site visit inspections in September 2016 identified current and extensive artisanal activity at Kabotshome Gold Prospect on PR4804
- Artisanal activity centred near to previous diamond hole KB007's drill collar on echelon to main Kabotshome structure
- Artisanal mining activity is also reported on several of the other licenses within the Maniema Gold Project
- At the Mitunda Gold Prospect on PR4801, artisanal activity is reported to be widespread
- Definition and extent of the artisanal alluvial activity at both the Kabotshome and Mitunda Gold Prospects to commence as part of the 2017 Exploration Program



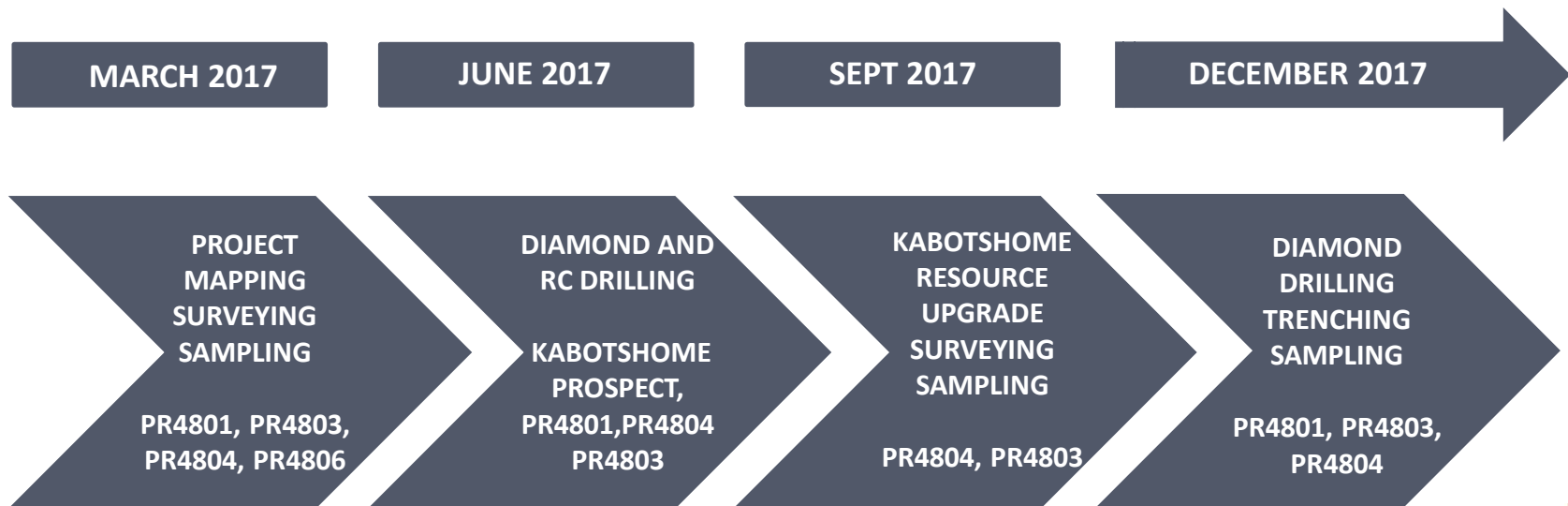
# Namoya West and Mitunda Gold Prospect



- Additional high priority areas for the 2017 Exploration Program
- Namoya West license, PR4803, immediately west of Banro Corporation's operating Namoya Gold Mine
- Exceptional high grade historical stream sediment sampling and associated pitting results recorded in 2010
- Geochemical program planned potentially leading to drilling
- Mitunda Gold Prospect, on PR4801, south of Kabotshome Gold Prospect and contiguous to Company's PR4804
- 6 hole diamond drilling completed in 2011-2012
- All diamond holes reported anomalous gold mineralisation
- Logging and sampling work previously completed
- Artisanal activity prevalent in the area and to be evaluated



# 2017 Exploration Program



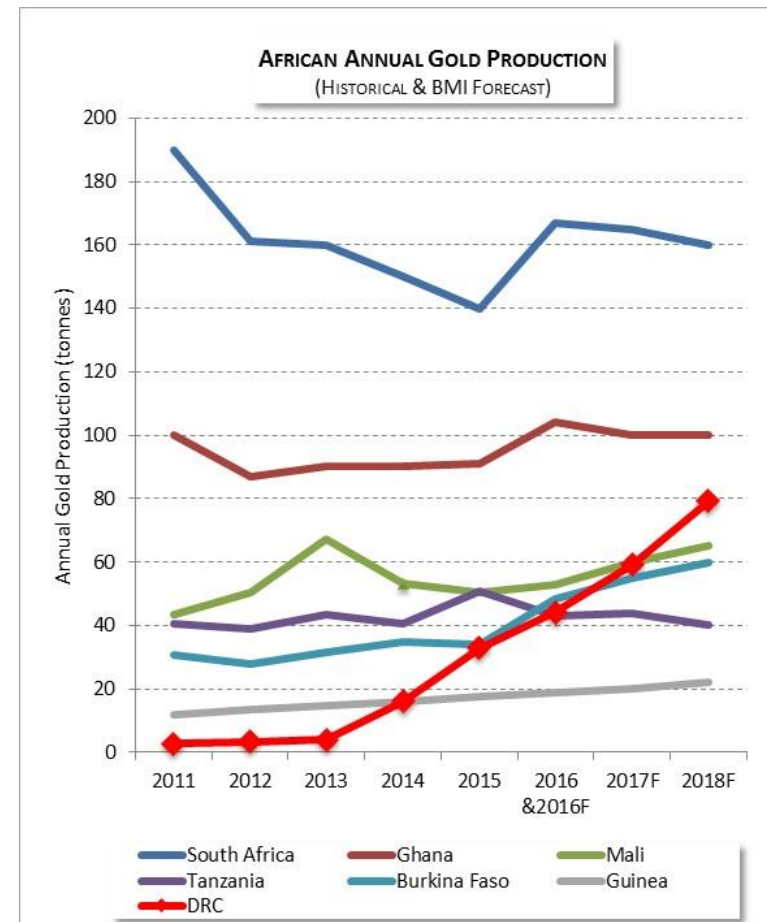
## Key Focus

- 4,000m diamond and RC in-fill and extension drilling program at Kabotshome Gold Prospect (PR4804)
- Mapping, geochem survey, sampling and potential drilling at Namoya West (PR4803)
- Geochem survey, sampling and drilling at Mitunda Gold Prospect West (PR4801)
- Sampling and drilling at Mbala Gold Prospect (PR4806) and Mbutu Gold Prospect (PR4804)



# Why Gold Exploration and Mining in the DRC

- One of the largest underexplored and highly prospective greenstone belts in the world
- A proven world class gold province with major gold discoveries
- The DRC is the fastest growing gold producer in Africa and is forecast to be a Top 5 Producer by 2018
- Major gold mining development by Randgold Resources and AngloGold Ashanti
- Between 2007-2014 gold production in the DRC rose an average of 150% year on year to over 0.5Mozs
- BMI Research forecast 34% year-on-year growth in DRC gold production up to 2018.
- Significant investment in road and power infrastructure to facilitate major project development and mineral exploration and production



# Conclusion

- Focused on growing Vector into a major African and DRC focused gold exploration and mining company
- Extensive and highly prospective exploration ground in a world class and proven gold province
- Strong, established and highly experienced management team in place and aggressively driving exploration activities
- Advanced Maniema Gold Project with existing resource open along strike and at depth and with multiple new targets
- Several additional existing gold prospects already defined
- 2017 Exploration Program underway and fully funded
- 4,000m diamond and RC in fill and extensional drilling program planned to grow resource base substantially in 2017
- Several advanced gold exploration and near term production projects under review by management



# CONTACT DETAILS

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