



Miners adjusting one of the jumbo drills used in underground tunnelling operations that are advancing Kakula's twin declines toward the ultra-high-grade copper deposit at the Kamoia-Kakula Project in the Democratic Republic of Congo.

### News headlines from Ivanhoe's July 8 announcement

- CITIC Metal confirms completion of confirmatory due diligence and receipt of CITIC internal approvals necessary to complete its C\$723 million investment in Ivanhoe Mines.
- Zijin Mining has fully exercised its anti-dilution rights, which will generate an additional C\$78 million.
- Funds will be used to advance Ivanhoe's three world-scale mine-development projects in Southern Africa.



Building what will be  
**③ of the world's  
best mines**  
in Southern Africa's  
legendary mineral fields

### KAMOA-KAKULA

Initial development  
of two mining areas  
on **world's 4<sup>th</sup>-largest**  
copper discovery

**Democratic Republic  
of Congo's Central  
African Copperbelt**

### PLATREEF

Mine projected to be  
**Africa's lowest-cost producer**  
of platinum-group metals,  
plus nickel, copper & gold

**Northern Limb of South Africa's  
Bushveld Complex**

### KIPUSHI

**Ultra-high-grade**  
historic mine being  
upgraded to produce  
zinc, copper, silver,  
germanium & lead

**D.R. Congo's  
Copperbelt**





## Kamoa-Kakula – Kakula Mine

Blast-hole drilling in underground tunnelling operations at Kakula. More than 1,900 metres of cumulative underground development now have been completed. The declines will provide access to the ultra-high-grade copper resources at the Kakula Discovery on the Kamoa-Kakula Copper Project.



**Kamoa-Kakula – Kakula Mine**

Sprayed concrete (shotcrete) being applied to stabilize a wall and form a permanent tunnel lining in one of Kakula's twin declines.





**Kamoa-Kakula – Kakula Mine**

New concrete batch plant in operation at Kakula.





## Kamoa-Kakula – Kakula Mine

Installation of underground electrical substation completed at Kakula.



## Kamoa-Kakula – **Kakula Mine**

New, fully-automated, Atlas Copco underground drilling rig (left) will be used to accelerate development at the Kakula twin declines.





Fusheng Lan, Vice Chairman of partner Zijin Mining (centre), visited the Kamoa-Kakula Project with a delegation of Zijin representatives.

Kamoa-Kakula – a joint venture between Ivanhoe Mines, Zijin Mining and the Government of the Democratic Republic of Congo – has been independently ranked as the world's fourth-largest copper discovery.





Micheline Kyenge,  
an underground-mine  
geologist trainee,  
at the entrance to the  
Kakula declines.



Titan Drilling's core marker Phibeon Guvheya and geologist Nestor Kambaj at a Kakula West drilling site.





## Kamoa-Kakula – Kakula Mine

Drillers line up an exploration hole in Kakula West’s northern extension area.





## Kamoa-Kakula – Kamoa Mine

Exploration drilling testing a zone of strong copper mineralization at Kamoa North.





## Kamoa-Kakula

Assembling seed trays in the Ecolivelihood vegetable greenhouse at Kamoa-Kakula – an initiative of the Kamoa-Kakula Sustainable Livelihoods Project that is helping to establish a sustainable, independent economy in nearby communities.





## Platreef, South Africa

The box cut for Shaft 2 at the Platreef Mine development project in South Africa now is approximately 50% complete. The box cut will be excavated to a depth of 29 metres below surface by the end of 2018 to allow for the construction of the concrete foundation for the headframe that will house Shaft 2's permanent hoisting facilities.





**Platreef**

Drilling blast holes at the box cut for Shaft 2.





**Platreef**

Platreef contract employees preparing for grouting of the side walls at Shaft 2 box cut.





**Platreef**

Participants in Platreef's Learning and Internships Program. Ivanhoe is committed to building Platreef as a modern, safe, highly mechanized mine and highly skilled employees.





**Platreef**

Children at the Refilwe community care centre, near the Platreef Mine, which was partly funded by Ivanhoe Mines through its community initiatives program.





**Platreef**

Children of Platreef employees participating in a recent bring-your-child-to-work day at the mine development site, providing opportunities to see and experience some conditions and practices in modern construction.



## Kipushi, DRC

Workers doing maintenance on the exterior of Kipushi's Shaft 5 headframe in preparation for the restart of underground mining operations. Shaft 5, Kipushi's main production shaft, has been fully upgraded and modernized to meet global industry standards and safety criteria.





## Kipushi

Reinforcing the wall adjoining the primary underground rock crusher at the 1,150-metre level.



## Kipushi

Geotechnical drilling at the proposed tailings storage site at Kipushi – part of preparations for the launch of a new era of mining.





## Kipushi

Above: The Kipushi women's literacy project, solely funded by Ivanhoe Mines, recently celebrated Independence Day in the Democratic Republic of Congo.

The project provides training in functional literacy through a structured reading and writing program.

