

June 11, 2018 – Ivanhoe Mines and CITIC Metal signed a long-term strategic cooperation and investment agreement that will see CITIC invest approximately C\$723 million to help advance Ivanhoe's three world-scale mine-development projects in Southern Africa. CITIC and Ivanhoe have shared a long-standing relationship dating back more than 15 years.



In April 2003, Robert Friedland, then Chairman of the original Ivanhoe Mines, and Wang Jun (left), then Chairman of CITIC Group, announced the formation of a strategic alliance to pursue mutual interests in mineral exploration, development and production.

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

KAMOA-KAKULA

Initial mine
development
on **world's 4th-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**



Box cut

Portals for twin declines

New office complex

Kakula mine development site, showing the portals for the twin declines and surface infrastructure.

The declines now have been advanced almost 600 metres toward the high-grade Kakula copper deposit. The declines are scheduled to reach the target mineralization late this year or in early 2019.



Kamoa-Kakula – Kakula Mine

Workers installing anchor bolts into the ceiling of one of the twin declines at Kakula as a safety measure to reinforce the excavated tunnel.



Kamoa-Kakula – Kakula Mine

Drilling holes for explosives in preparation for another blast as part of ongoing excavation of the underground decline that will house the ore conveyor at the planned Kakula Mine.



Kamoa-Kakula – Kakula Mine

DRC regional and provincial government representatives, together with Kamoa-Kakula staff, at the top of the Kakula declines during a site visit to the Kamoa-Kakula Copper Project.

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.



Kamoakakula

Ten million hours worked by Kamoakakula employees and contractors without any time lost due to an on-the-job injury: An outstanding achievement celebrated at the site on May 16, 2018.

Ivanhoe Mines is committed to maintaining the highest standards of occupational health, safety and environmental management at all of its projects.



Kamoa-Kakula

Exploration drilling is continuing to extend the northwestern limits of the Kakula West discovery.



Kamoa-Kakula



Above: Recent Kakula drill core showing massive chalcoprite mineralization within a carbonate vein.



Above: Massive and bedded chalcocite within siltstone.

From left, Daniel Mayuya, a driller, Nestor Kambaj, a geologist, and Boanerge Amisi, a driver and rig technician, with a section of exceptionally high-grade drill core containing massive chalcocite (copper mineralization) from a new drill hole at Kakula.



Kamoa-Kakula

Delivery of the first eggs produced at the community poultry project that supplies chickens and eggs to the Kamoa-Kakula Project – one of the initiatives of the Kamoa-Kakula Sustainable Livelihoods Project, which is working to build a sustainable, independent economy in nearby communities.



Kamoa-Kakula

Newly constructed fish pond at one of the local villages near the Kamoa-Kakula Project – an Ivanhoe food-supply community-support initiative.



Western Foreland

A drilling rig in operation at Ivanhoe's 100%-owned Western Foreland exploration area, located to the west of the Kamoia-Kakula Project. Ivanhoe is exploring for Kamoia-Kakula-style copper mineralization on high-priority targets identified from an airborne gravity survey and detailed ground-based geophysics.



Platreef, South Africa

The box cut for Shaft 2 at the Platreef Mine development project in South Africa is scheduled to 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 103-metre-tall headframe that will house Shaft 2's permanent hoisting facilities.



Platreef

Herbet Marakalala, with mining contractor Aveng Mining, operating a piece of mobile, heavy construction equipment at Platreef.



Platreef

Preparation for blasting at the Shaft 2 box cut.



Platreef

Vuzi Maibuko and Luck Dube, contractors from Concor (formerly Murray & Roberts Construction), surveying the Shaft 2 box cut.



Platreef

Thami Herneni, with contractor Terra Strata, checking lateral support at Platreef's Shaft 2 before blasting operations.



Platreef

Member of Ivanhoe's Platreef shaft-sinking team with a cactus grab used to remove excavated rock from lateral mine development on the 750-metre level of Shaft 1.



Platreef

Members of Platreef's apprenticeship program (in blue) receive job knowledge and skills instruction at Murray & Roberts' shaft-sinking training academy.



Platreef

Participants in Platreef's Learning and Internships program. Ivanhoe Mines is committed to build Platreef as a modern, safe, highly-mechanized mine that will employ a new generation of highly-skilled employees.



A digital ambassador (right) training a resident on the skills database available via Platreef's **Maru a Mokopane** initiative, a freely-accessible, digital information-sharing system. The program includes eight free wi-fi hotspots providing wireless Internet access, with one site located in each of the communities that host the Platreef Project.



Platreef

Playtime at the Jacob Madiba Drop-In Centre, partly funded by Ivanhoe Mines, which provides meals and homework assistance for vulnerable youth.



Kipushi, DRC

A large-capacity rock crusher's biggest single component, the 19-tonne main frame, being prepared to be lowered down Shaft 5. The crusher now has been successfully installed and has a maximum capacity of 1,085 tonnes an hour.



Main frame of the new underground rock crusher secured onto the base plate at the 1,150-metre level, ready for reassembly and commissioning.



Kipushi

New concrete underground roadway provides a smooth surface for the fleet of trucks to haul ore from the Big Zinc Deposit to the primary crusher installed near Shaft 5 on the mine's 1,150-level.



Kipushi

80 people attended classes at Kipushi that provided training in functional literacy through a structured reading and writing program. Ivanhoe Mines is the sole funder of the program, which is run as a partnership with ALFACONGO, a non-profit NGO based in Kinshasa.



IVANHOE MINES
NEW HORIZONS

Ivanhoe Mines is proud to have issued its initial Sustainability Report.

The report provides an overview of Ivanhoe Mines' sustainability programs and initiatives conducted in 2017, highlighting the significant accomplishments achieved and the new goals set for current and future corporate activities.

The report can be viewed at: <https://www.ivanhoemines.com/investors/sustainability-report/>