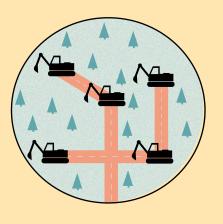
# **Threats of Mining to African Great Apes**



Mining involves different phases, including exploration and exploitation. Currently, most mining projects in Africa are in the exploration phase. Impacts of exploration are often overlooked but can cause significant environmental damage.



**EXPLORATION** 

Exploration creates lower intensity direct impact but over a broader area

Exploration can lead to permanent impact on ape populations

Permits are shorter (~5 years) and can be up to 100 times cheaper than exploitation

Fewer environmental regulations



**EXPLOITATION** 

Exploitation creates higher intensity direct impact in a more limited area

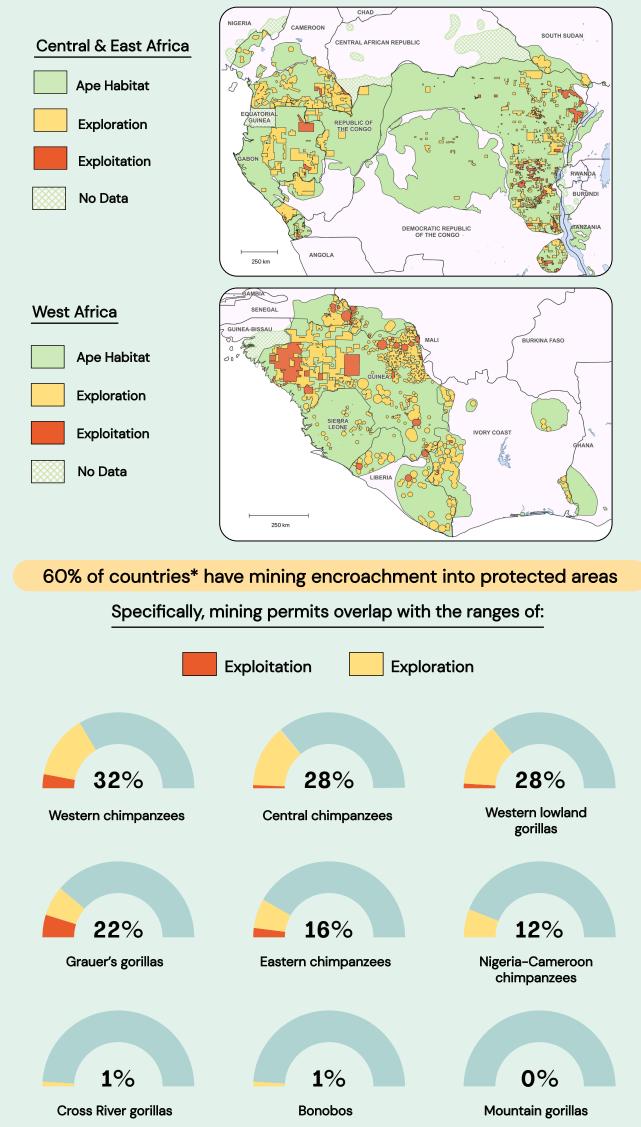
Indirect impacts are more significant during the exploitation phase

> Permits are longer (~15 years) and more expensive to obtain

More environmental regulations

## MINING EXPLORATION & EXPLOITATION **CURRENTLY COVERS ~20% OF APE HABITAT\***





\*this is an approximation as not all countries within ape's range had mining data publicly available. This analysis reflects the overlay of mining permits on ape ranges, but didn not consider the scope of indirect impacts, which can extend outside mining permits (for more information see Junker et al. 2024).

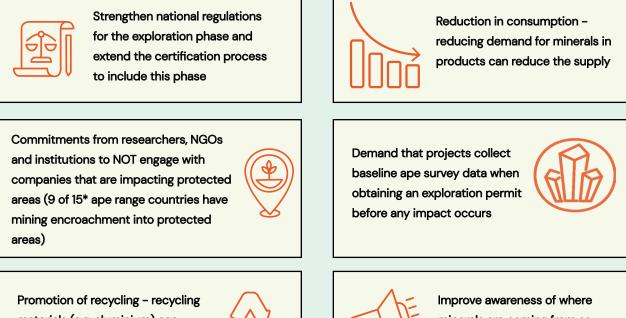
## **FUTURE TRENDS**

Mineral production in Africa has increased ~30% in the last two decades. Trade in some minerals is expected to increase up to 1000%.

> Projected % Increase of Mineral Trade Value from 2019 - 2030 (for minerals with the fastest future growth).



### **ACTIONS – WHAT CAN BE DONE?**



materials (e.g. aluminium) can reduce the demand for mining of new minerals



minerals are coming from so consumers can make informed choices

#### SOURCES:

Mining concession data: Global Forest Watch, Trimble Landfolio Cadastre Map Portals, Revenue Development Foundation (Online data repositories), unpublished research, mining company websites.

Protected Area layers: Protected Planet.

Ape range layers: IUCN

Mineral data: https://www.ey.com

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The IUCN SSC PSG ARRC Task Force advises industrial development projects on implementation of the mitigation hierarchy and recommends ways for companies to contribute positively to ape conservation.

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