OVERVIEW OF MINING OPPORTUNITIES IN MAURITANIA

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Topics

• Geology of Mauritania
• The mining domain
• Mining potential by commodity
Geology of Mauritania

• Diversified geology
• Wide and unexplored areas of interest
• 100,000 sq km of untested birrimian terrains.

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The Mining Domain

- Transparent Mining Registry
- Licenses granted on first come first served principle
- More than 200 mining title
- 15 exploitation license (mining lease)
Mining Potential

- Iron
- Gold
- Base metals
- Li-Be
- Titanium-Zircon
- Uranium
- Other useful occurrences
Iron

- Iron deposits are present in different areas:
  - Tiris Province
  - Inchiri volcanosedimentary and metamorphic suites
  - Tindouf Basin
  - Oolitic iron in Taoudeni and Tindouf Basins
Gold

- Diversified sources of gold
- A small “gold rush” occurred this year
- Archean and Paleoproterozoic (mainly birrimian) high potential rocks
- Untamed potential occurs in other rocks

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Gold

• Tasiast-Tijirt Area:

Intersection of GS rocks with major faults = potential targets
Base Metals (particularly Cu)

- Copper is the main documented occurrences
- Hundreds of showings of Cu in different settings
- Potential for Pb-Zn (both MVT and SEDEX)
- Wide range of potential for Nickel
Base Metals (particularly Cu)

- The Mauritanides range hosts several important prospects for copper but also podiform chromite, manganese, barite, kaolin...etc
Base Metals (Ni)

• Permissive tracts for Ni and associated mineralization in Mauritania

• Potential for precious metals as Platinum group in similar environment
Over 150 beryl pegmatites are known in the Khnefissat area veins 2-4 m thick traceable for several hundred metres

Similar occurrences are known in the Tijirit at Timmimichat, Guetel Khaye, Sineine and Inkebden and in Sebkhet Nich;
Tamagot;
Guelb el Azib and Iguilid Massif.

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Titanium- Zirconium (mainly Heavy Minerals Sands)

- Many areas of interest
- Easy to mine
- Existing infrastructures
Useful substances

• Silica
• Phosphates
• Kaolin
• Gypsum
• Manganese
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