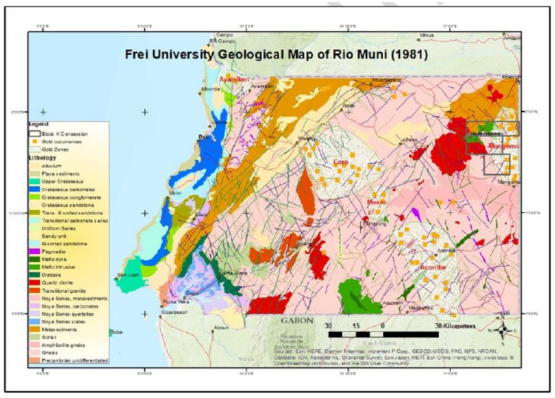
Republic of Equatorial Guinea

Gold

Equatorial Guinea has a geological context associated with a greenstone belt that indicates an excellent prospecting opportunity especially for gold.

GEOLOGICAL BACKGROUND

- Investors have accepted the challenge of carry out prospecting & exploration work, as well as geological, geophysical & geochemical studies to quantify the alluvial gold resources.
- These studies are being carried out in the Mongomo area. Both in the quantification of the alluvial gold resource and in the location of the possible sources.
- There is gold exploitation in the Ayene area.



REGIONAL GEOLOGY: GOLD

- Alluvial gold is relatively coarse grained. Usually nuggets with a size average of between 350 & 180 µm. Although larger grains (4-8 mm) are found.
- Geophysical studies (Aeromagnetic Airbone) indicate an association of these grains with drainages of order 2 & 3.
- So far alluvial gold is the only one that is being exploited. The studies carried out aim to locate a secondary source in lateritic soils, as well as gold associated with a quartz vein.
- The Archean base of Ntem & Monts de Cristal represents the typical greenstone belt series in shear areas.
- The Charnockites & Gneisses show Eburnian deformation.
- The area was also deformed during the Pan-African event (Noya Series of the Neo-Proterozoic) which coincided with the metamorphism of green shales.
- There are calco-alkaline mafic intrusions and aplites. This could have an association with primary mineralization since there is presence of zircons of the aplites in the same alluvial horizons as secondary gold.