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Outline of Presentation

Introduction
 Geo-Science data coverage
 Geology and Mineral Potential
 Conclusion

I. Introduction

Location:- East Africa (latitude 3° N - 15°N & longitude 33°E - 48°E Surface Area :- 1.14 M km² Population :- over 85 million Administration:- Federal System (9 regional states & 2 City Admin.) **Economy** - Agricultural country with >80 % of the population live on farming

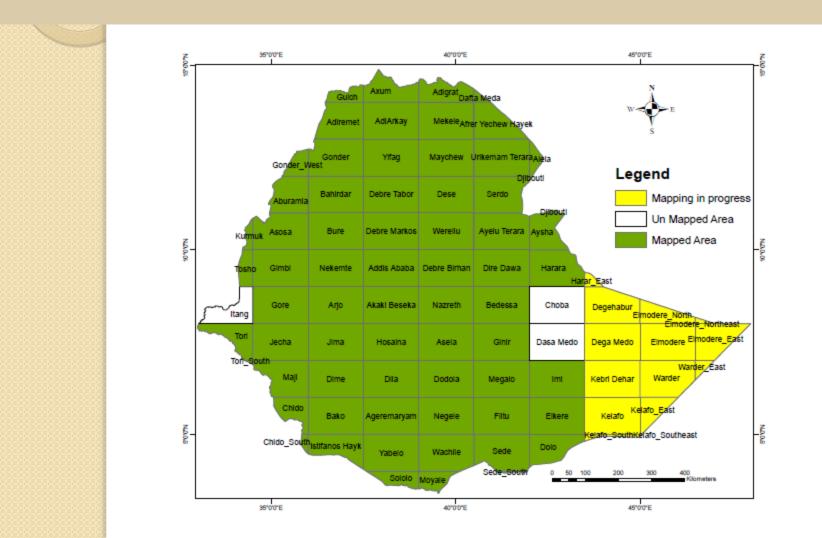
Export-

- Agriculture- mainly coffee, oil seed, flower, leather etc.
- Mining -gold, tantalite, gemstones & dimension stones

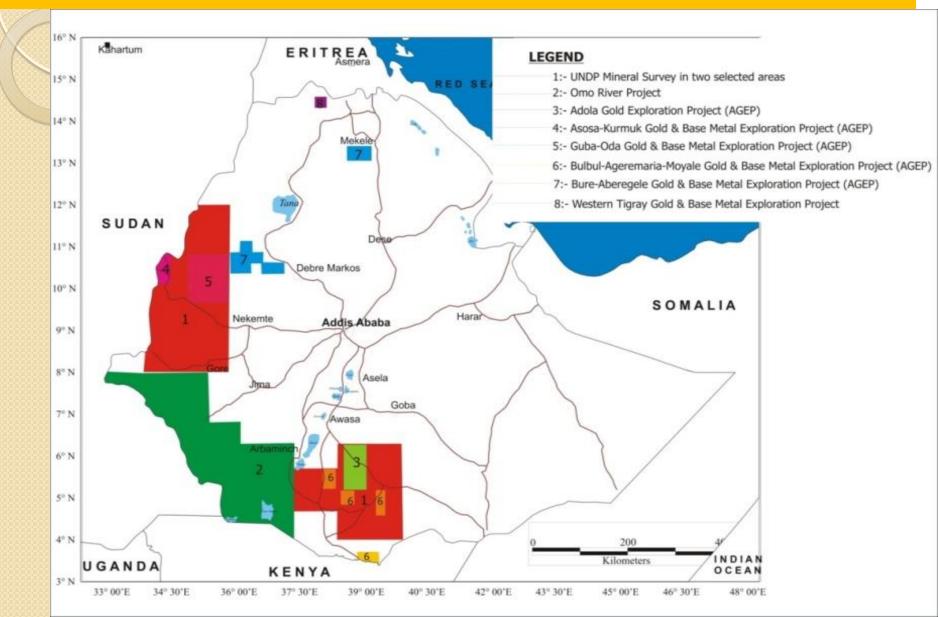


2. Geoscince Data Coverage

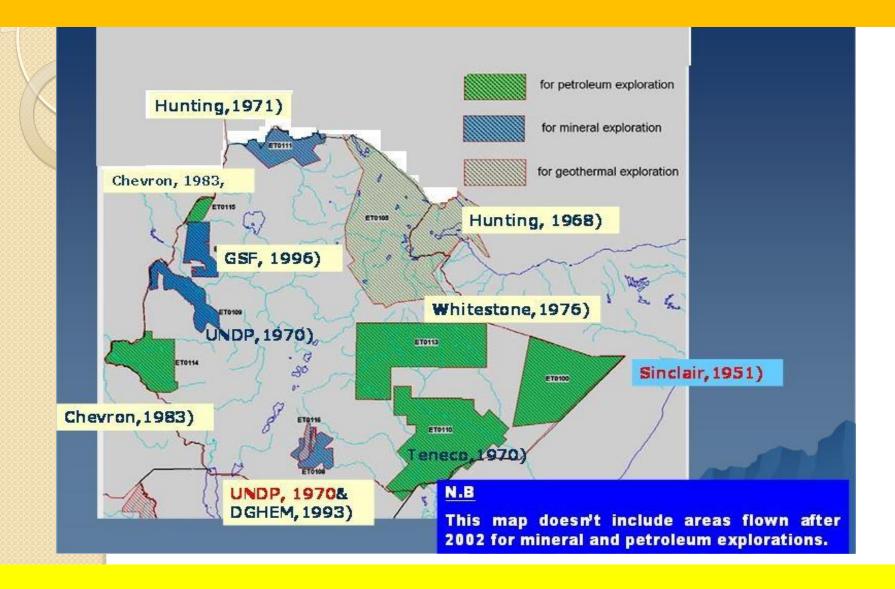
Regional Geological Map Coverage 1: 250,000 Scale 94 % of the land mass of Ethiopia



Geochemical Survey coverage is only 4% of the country



Airborne geophysical Survey Coverage is 30%

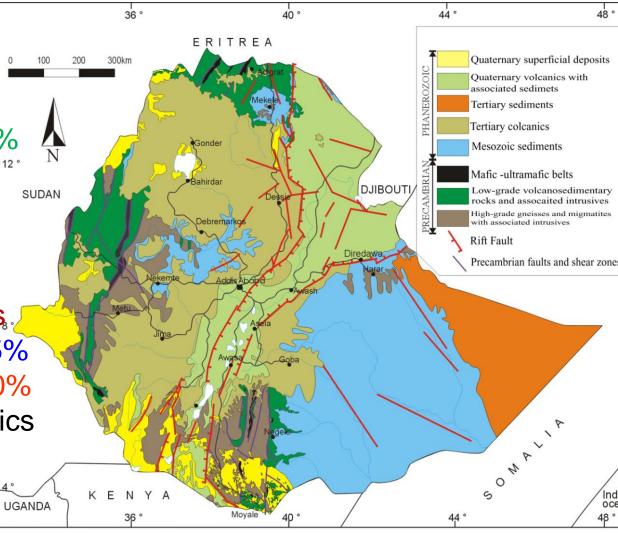


Regional Ground Gravity at 1:500,000 Scale - 100% of the country

3. Geology and Mineral Potential of Ethiopia

Geology underlain by rocks of Precambrian to recent Precambrian covers 25% -12 ° (low-grade volcanosedimentary rocks, high grade rocks and mafic to felsic intrusives) Palaeozoic – few places. Mesozoic sed.Rocks-25% Cenozoic volc. & sed.50% Highland Tertiary volcanics (basalts) Tertiary as well as

Quaternary volcanics & sediments of the rift valley



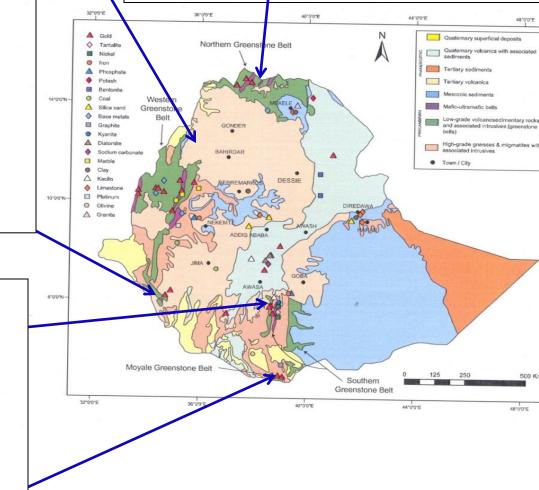
Quaternary sediments & volcanics different parts of Ethiopia

Mineral Potential

Western & SWBelt:-

- •Tulu Kape, Dul, Metekel, Chamo, Oda- Godere Pri. Au deposits &
- Vubdo Plotnium donacit
- •Yubdo Platnium deposit •Rikilal Chago Cordona
- Bikilal, Chago,Gordana, Sirba & Kore iron deposits& mineralization
 Keta & Abetselo Base metals Mineraliz.
- Fakusho Molybdenum mineraliz.Placer Gold deposits

Northern Belt:-•Terkemti, Adi Zersenay, zager •Primary gold mineralization •Base Metals mineralization •Placer gold occurrences & deposits

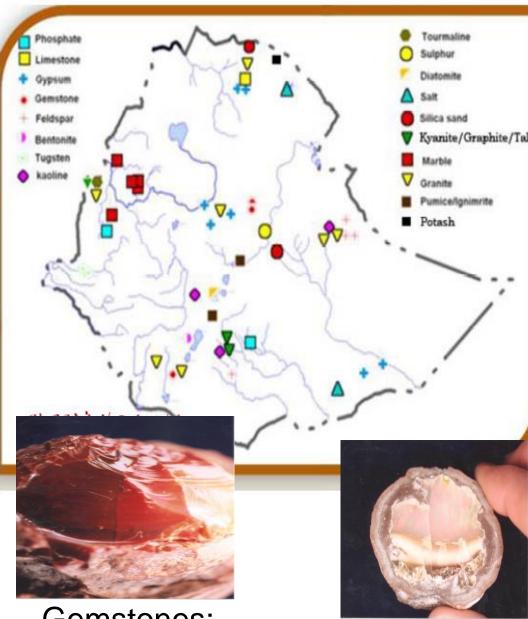


Southern Belt:- Adola & Moyale •Lege –Dembi, Sakaro, Moyale, Dawa, OkotePrimary Gold deposits & occur. •Adola Nickel •Kenticha Tanatalum

- •Placer gold deposits
- •Chromite mineralization

Industrial Minerals

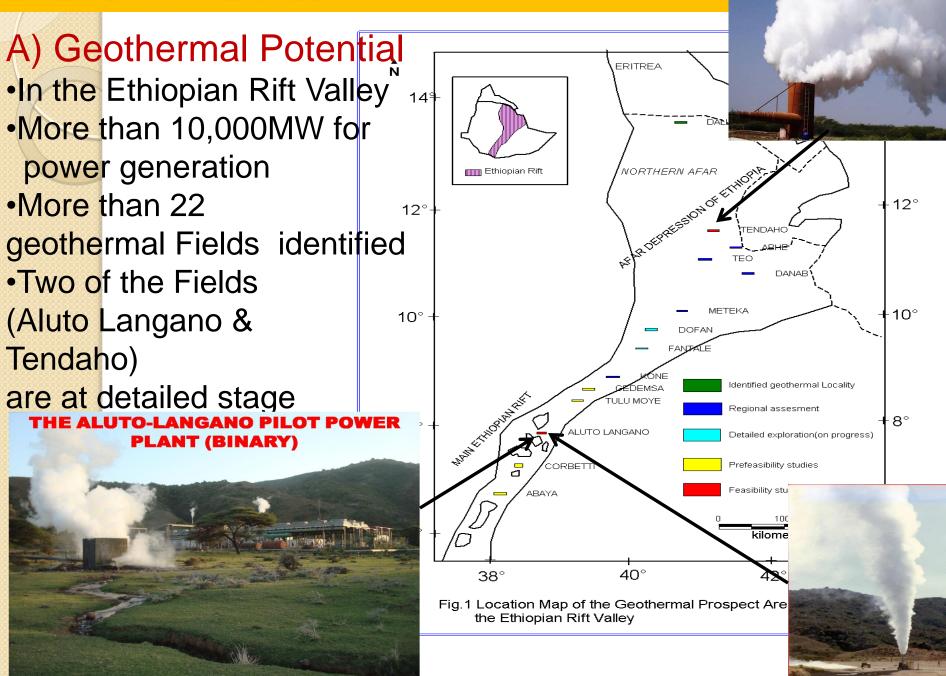
- Cement Raw Minerals:-
- LST, Gyp, Cly, Pumice- M tones
- Fertilizer Raw Minerals:-
- Potash-billion tones & phosphate-181Mt
- Ceramics Raw Minerals:-
- Kaolin-20Mt, Feldspar-500000t, Qtz-400000t
- **Glass Raw Minerals**
- Silica Sand-more than 3.4Mt,
- **Dimension Stones:-**
- Marble, Granite, Lst, SSt in Mt
- Diatomite- 120Mt,Bentonite-172Mt Soda ash-460Mt,Salt-4.3Bt,
- Graphit-460000t, Sulfur-6Mt, Talc-120000t, kayanite -10Mt



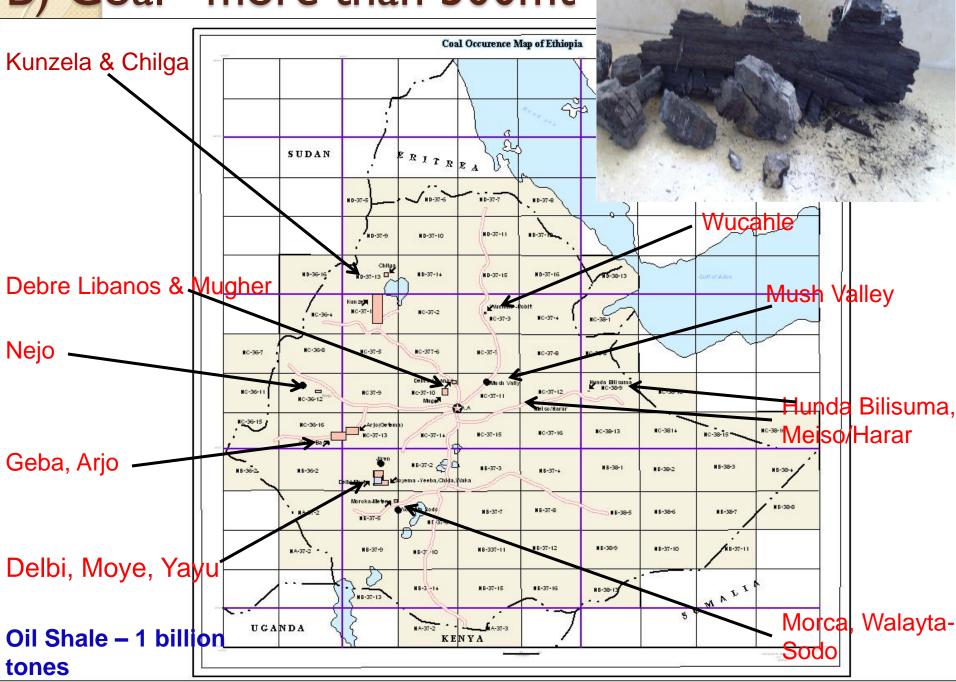
Gemstones:-

Opal, Emerald, Sapphire, ruby Peridot, Tourmaline, garnet

ENERGY MINERALS

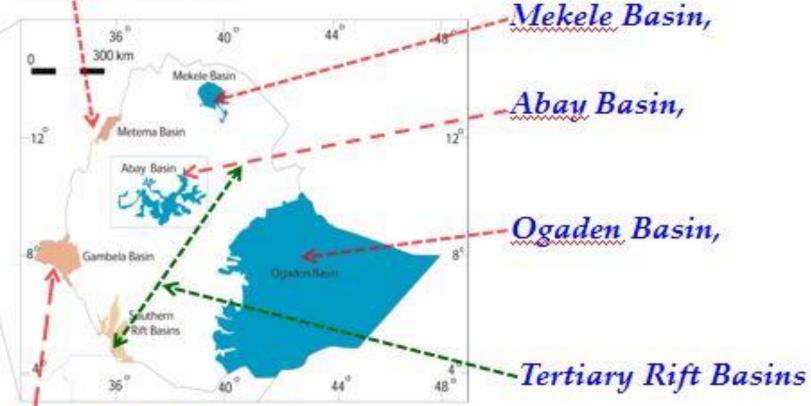


B) Coal– more than 500mt



C) Petroleum Potential





Gambela Basin

The Discovery to date is mainly for natural gas in the Ogaden basin estimated around 6TCF

Conclusion

- The Geological Setup of Ethiopia is diverse and attractive :-
- **For** mineral exploration and development operations
- For Potential investor & research in the fields of geoscience
- The investment environment is also attractive
 - Competitive legal framework
 - Commitment of government to support investment
 - > adequate infrastructure
 - Political stability

Potential Investors and researchers are welcome to operate for mutual benefit



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THANK YOU