



Japanese Business Seminar
February 22, 2012, Japan Embassy
Addis Ababa, Ethiopia

**Geo-Science Information: Mining Sector of
Ethiopia**

Masresha G.Selassie, Director General
Geological Survey of Ethiopia (GSE)



CONTENTS

- **Introduction**
- **Favorable Geological Setting**
- **Mineral Resources of Ethiopia**
- **Geo-Science Surveys Coverage**
- **Strategic Plan on Basic Data Generation for Investment**
 - Mine Sector Five Years Development Plan**
 - Program Objectives**
 - Program Goals**
- **Foreign Co-operations in Mining Sector**
- **Specific Japanese Cooperation**
- **SWOT in Geo-Information Provision**
- **Conclusions**

INTRODUCTION

Location - East Africa

(3° - 15°N & 33° - 48°E)

Surface Area - 1.14 M km²

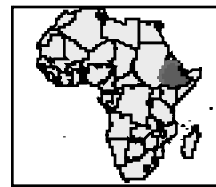
Population - about 80 million

Administration - Federal System

(9 Regional States & 2 City Admin.)

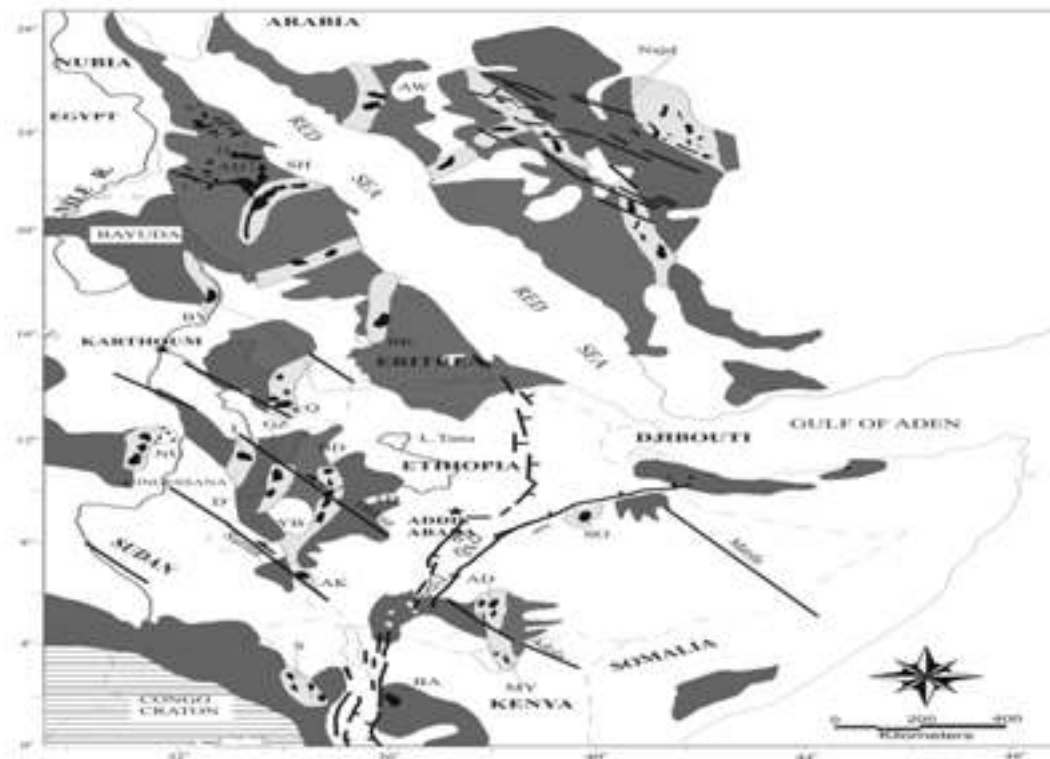
Economy – Agricultural-Led

Industrialization (ALID) Policy, GDP growing at 11% since the last 7 years, major contribution comes from Agric. Above 80 % of the population live on farming. Others including the Mining Sectors are also growing. In the Mining – Sector, Private Investors are currently taking an important role. Growth and Transformation Plan (GTP) has been implemented since July, 2011.



FAVORABLE GEOLOGICAL SETTING

- **The Geological Map of 2nd Edition at 1:2,000,000 scale is completed, and so far 56.8% of the country is covered at 1:250,000 scale.**
- **The geology of Ethiopia broadly comprises:**
 - *Precambrian basement,*
 - *Paleozoic-Mesozoic sediments and*
 - *Cenozoic volcanic rocks.*
- ***The Precambrian basement rocks* are mainly exposed in northern, southern, western, and eastern part of the country and have covered about 20% of the landmass.**
- ***The Paleozoic-Mesozoic sedimentary rocks* cover about 25% of the country and are exposed mainly in eastern, central and southern Ethiopia.**
- ***The Cenozoic volcanic rocks* with sediments cover about 55% of the country landmass and form the spectacular Ethiopian highlands and the Main Ethiopian Rift.**



LEGEND

- | | | | |
|--|--|-------------------------|--|
| | Phanerozoic cover | | |
| | Volcano-sedimentary Terrane (mainly juvenile Neoproterozoic crust) | } Arabian-Nubian Shield | |
| | Gneissic Terrane (both Neoproterozoic and reworked Pre-Neoproterozoic crust) | | |
| | Craton | } Mozambique Belt | |
| | Ophiolites /possible suture zones | | |

AD, Adulis; AK, Akabir; AH, Al-Hajj-Hamud; AW, Islet al Wadi; BA, Barga; BU, Burela; BC, Baka; BU, Bu Urya; BY, Bayuda; CH, Chel; CL, Chel; CO, Chel; CO, Chel; I, Igassas; KY, Koyun; NE, Nubia; Q, Qala of Nubia; S, Sabana; SH, Sud Hamud; SE, Saka; TE, Tala Dima; YB, Yabdo.

