

**THE UNITED NATIONS COMMISSION ON SCIENCE AND TECHNOLOGY
FOR DEVELOPMENT**

15TH SESSION

**21–25 May 2012
Geneva**

Contribution by

Group on Earth Observation Secretariat

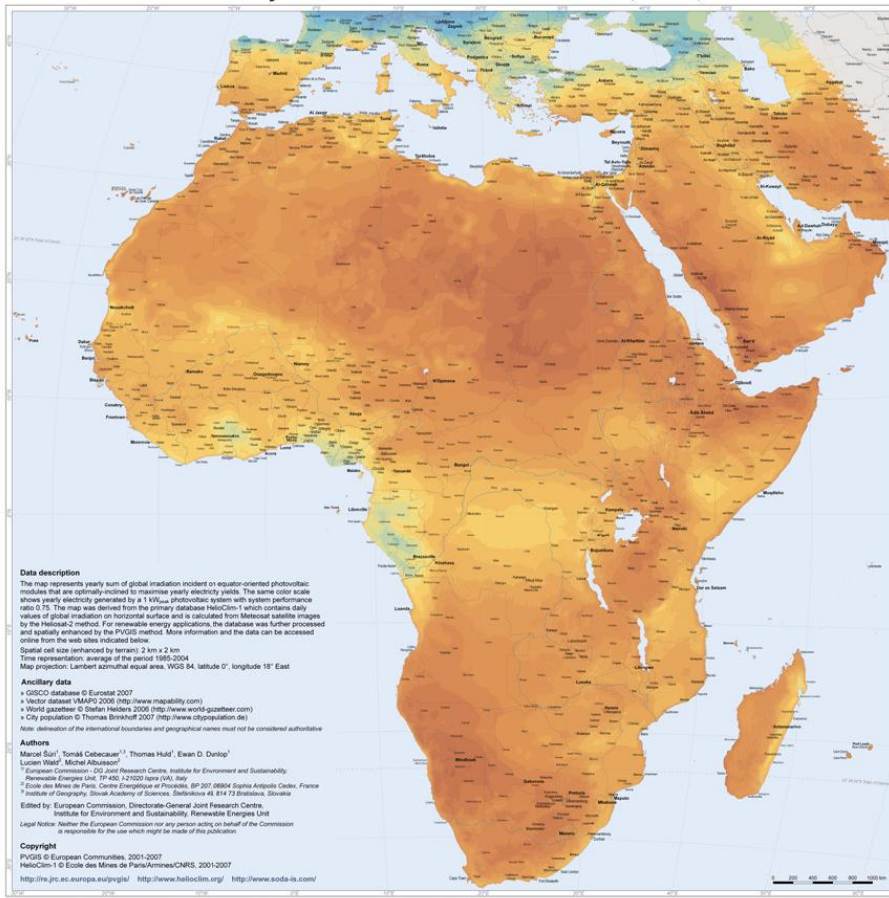
GEOSS for Africa

**Mr. Espen Volden
Scientific and Technical Officer**

The views presented here are the contributor's and do not necessarily reflect the views and the position of the United Nations or the United Nations Conference on Trade and Development

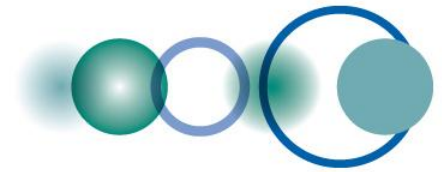
GEOSS for AFRICA

Photovoltaic Solar Electricity Potential in the Mediterranean Basin, Africa, and Southwest Asia



GEONETCast, CBERS, SERVIR, Sand and Dust Storm Warning System, AEGOS, Wildland Fire Early Warning System, Puma, AMESD and GMES Africa, BIOTA, TIGER, SoDa, MERIT, African Protected Areas, ClimDev Africa, ChlorOGIN, AfricaGeoSat1

Yearly sum of global irradiation incident on optimally-inclined equator-oriented photovoltaic modules
Yearly sum of solar electricity generated by 1 kW_{nom} system with optimally-inclined equator-oriented photovoltaic modules and system performance ratio 0.75



AfriGEOSS: Building GEOSS in Africa



African Participation in GEO

Member Nations:

- Algeria
- Burkina Faso
- Cameroon
- Central African Republic
- Congo, Republic of the
- Egypt
- Ethiopia
- Gabon
- Ghana
- Guinea-Bissau
- Guinea, Republic of
- Ivory Coast
- Mali
- Mauritius

- Morocco
- Niger
- Nigeria
- South Africa
- Sudan
- Tunisia
- Uganda

Participating Organizations:

- AARSE
- ACMAD
- EIS-Africa
- RCMRD
- UNECA

AfriGEOSS objectives

- Coordinate and bring together **relevant stakeholders, institutions and agencies across** Africa that are involved in GEO and other Earth observation activities;
- Provide a **platform** for countries to participate in GEO and to contribute to GEOSS;
- Assist in **knowledge sharing** and global collaborations;
- Identify challenges, gaps and opportunities for African contributions to GEO and GEOSS;
- Leverage **existing capacities** and **planned assets** and **resources**; and
- Develop an appropriate **strategy** and **participatory model** for achieving the above goals.

Priority Actions

- **Engage with regional agencies and training centres**
- **Coordinate satellite infrastructure pilot projects**
 - Coordinate data acquisition strategy for Africa.
 - African Resources and Environmental Management Constellation (ARMC)
 - AfricaGeoSat-1 Project
 - African Monitoring of the Environment for Sustainable Development (AMESD) and Monitoring of Environment and Security in Africa (MESA)
- **Coordinate application pilot projects**
 - Bio-Energy Atlas for Africa.
 - GEO Forest Carbon Tracking (FCT) and Global Forest Observations Initiatives (GFOI)
 - The Meningitis Risk and Information Technology project (MERIT)
 - GEO-GLAM

Priority Actions contd

- **Promote data democracy and data sharing**
 - focusing on four pillars of data democracy
 - advancing data sharing principles and action plan (ID-01)
- **Organise sessions on GEO and GEOSS at premier African conferences**
 - AARSE, AfricaGIS
- **Organise regional workshops**
 - **East, Central, North, West, South regions**

Thank you!

