



20 & 21 October 2014
Athens, Greece

2nd South-Eastern Europe GEO Workshop
on Integrating Earth Observation Data
and Services for monitoring the
Environment, protecting the citizens and
stimulating the regional economic growth

Session III- Africa



BE  OND



 GROUP ON
EARTH OBSERVATIONS

Session III

- **Algeria** - ARCE Networking Activities and EO Capacities (Dr Sahabi Abed Salah)
- **Egypt** - Different earth observation possibilities Prof. Hesham El-Askary
- **Morocco** – Technologies of EO : An asset to support the socio-economic development of Morocco Prof. Kamal Labbassi

Algeria

national activities / infrastructures

- Climate Change, Desertification, Natural disaster
- ASAL – Algerian Space Agency
- Alsat -2A (Launched 12 Jul 2012) 2.5 m resolution panchromatic 10 m multi spectral

networking

- TIGER initiative – Water management
- NOSTRUM DSS
- CIRCE
- AfriGEOSS (Algeria, S. Africa, Ghana, Kenya)
- EOPOWER – EO for Economic Empowerment

Egypt

national activities / infrastructures

- Cloud computing
- Big data
- Pollution episodes
- Cairo smog during fall season – Biomass, dust from Algeria
- Sea level rise – hazard scenarios
- Landuse Change - Dissolved organic matter studies

networking

- Water energy food (WEF)
- Sustainable water
- Mobilize Arab-wide action for Environmental Data
- CIRCE

Morocco

national activities / infrastructures

- 10 – days Vegetation index (crop forecast)
- Integrate EO data in water monitoring
- Soil Moisture (SMAP)
- Chlorophyll map
- Land Cover Mapping for Africa (Cartography)

networking

- MARSE
- CRERS
- CRTS
- REGI
- AGIRE (Water resources)
- TIGGER initiative to promote EO in Africa
- AfWCCI (African Water Cycle Coordination Initiative)

General remarks

- Priorities for EO data exploitation are different for various regions
- Water resources and economy growth are necessities for Africa
- Dust for example is a subject of specific interest for the scientific community due to the atmospheric feedbacks but in many regions in Africa and Middle East dust-storms are a common natural hazard
- GEO partners in Africa are active in various EO related activities
- Examine possible overlaps and the chance to exchange know-how and data
- Several national infrastructures are already available – (examine needs for updates and new installations)
- Possible lack of data / software in many countries in Africa
- Examine the possibilities to use free – open data (e.g. ESA)
- Availability of satellite Alsat -2A data upon request