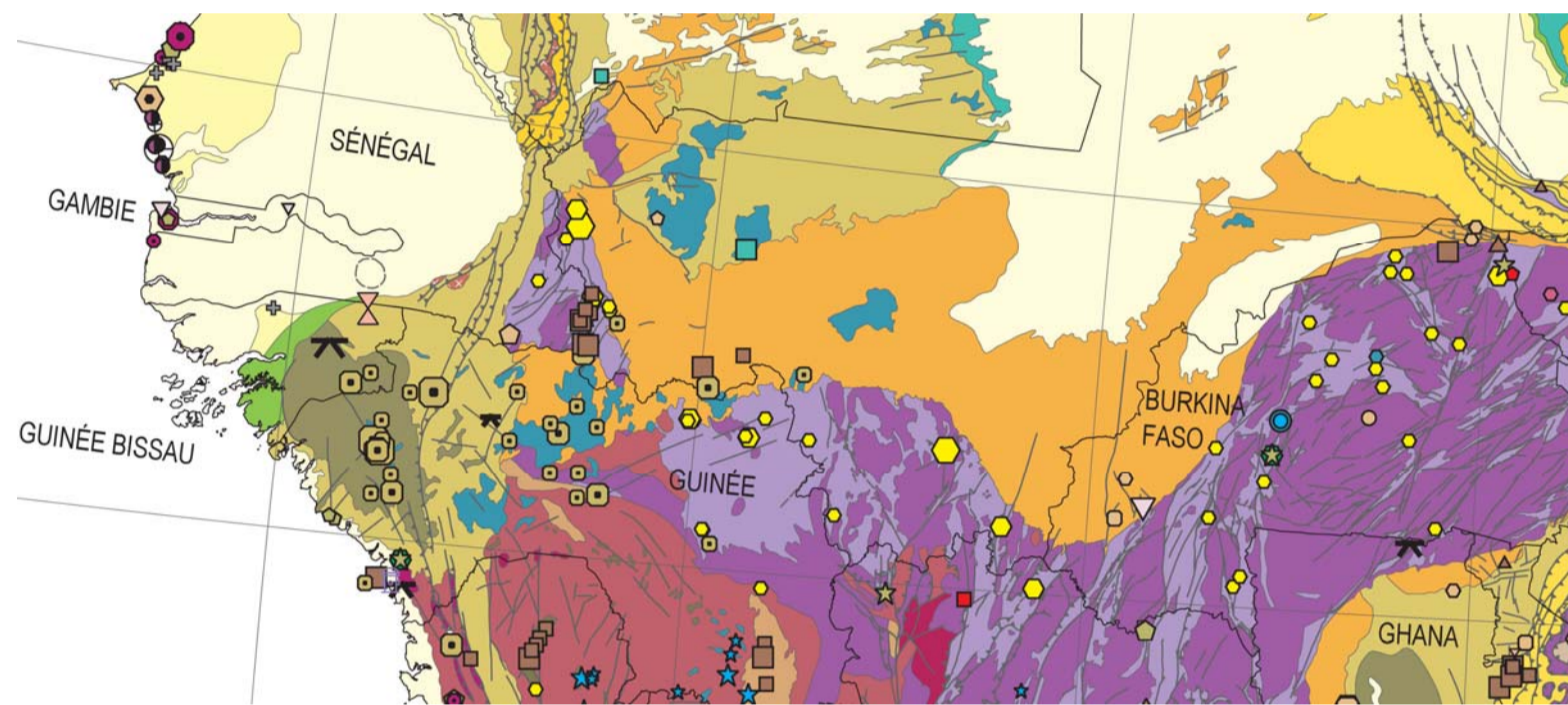




AEGOS

AFRICAN-EUROPEAN GEORESOURCES OBSERVATION SYSTEM

- > Design a pan-African infrastructure of interoperable data and user-oriented services to strengthen the sustainable use of georesources in Africa.
- > Elaborate common strategies for capacity building and training programmes.
- > Support geoscientific communities and institutional decision-makers for setting up sustainable development research and public policies.



EUROPE-AFRICA PARTNERSHIP

Cotonou Partnership Agreement (2000): the ACP-EU cooperation shall “provide technical and financial assistance for the acquisition, conservation, processing and dissemination of geoscientific data”.

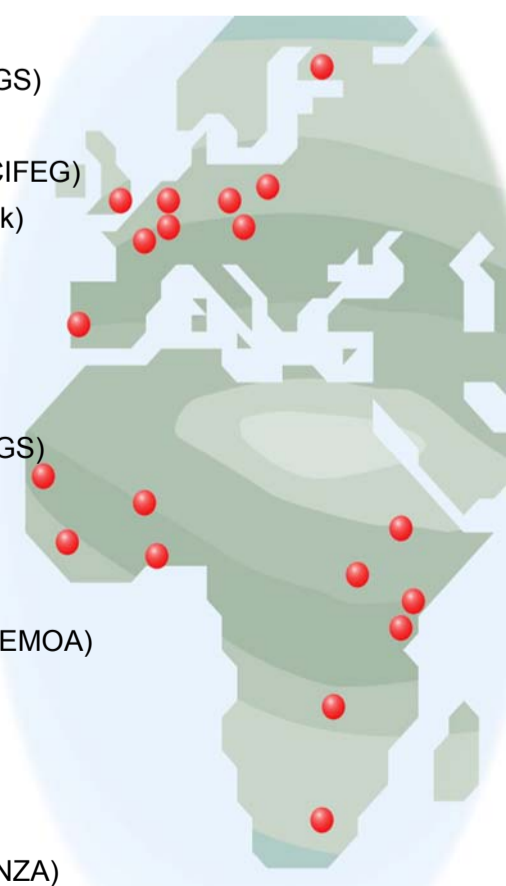
SIGAfrique network (2003-2005): 13 ACP countries, 2 ACP regional organisations and BRGM developed a digital harmonised pan-African geological and mineral resources GIS - www.sigafrique.net

Addis Ababa declaration (2008): the African Union “welcomes the various geomaterial information system initiatives, including the African-European Georesources Information System”.

SAFEGUARD, SHARE, VALORISE THE KNOWLEDGE AND DATA ARCHIVED IN AFRICAN AND EUROPEAN GEOLOGICAL SURVEYS.

A PRIORITY FOR CONCERTED SUSTAINABLE DEVELOPMENT WITH RULES FOR INTELLECTUAL PROPERTY RIGHTS MANAGEMENT.

Belgium (RBINS)
Czech Rep. (CzechGS)
Finland (GTK)
France (BRGM, IRD, CIFEG)
Germany (BGR, Beak)
Intl. org. (EU/JRC)
Netherlands (TNO)
Poland (PGI)
Portugal (INETI)
United Kingdom (BGS)
Ethiopia (GSE)
Ghana (GSD)
Guinea (DNG)
Intl. org. (SEAMIC, UEMOA)
Senegal (MMI)
South Africa (CGS)
Tanzania (IRA)
Uganda (GSM)
Zambia (GD-SOM-UNZA)



AEGOS WORK PACKAGES

- 1- Spatial data infrastructure reference model, metadata and data specifications
- 2- Architecture specifications
- 3- Identification of data themes, user-oriented products and services
- 4- Preparation of innovative spin-off projects based on AEGOS
- 5- Interoperability and interdisciplinarity in support of GEOSS
- 6- Definition of common strategies for capacity building and training
- 7- AEGOS as a geoscientific contribution to GEOSS, in the context of the INSPIRE Directive



CONTRIBUTION OF AFRICAN AND EUROPEAN GEOSCIENCES COMMUNITY TO INTERNATIONAL PROGRAMMES

- > **GEO** (Global Earth Observations) – Work Plan 2009-2011: AEGOS is a sub-task of the Capacity Building programme “Infrastructure Development and Technology Transfer for Information Access”
- > **GEONETCast**: test the use of the satellite network for geology data
- > **GMES in Africa** (Global Monitoring for Environment and Security) – Identify AEGOS as an infrastructure in the Action Plan and contribute to “Long-term management of natural resources” and “Water resources management” thematic areas
- > **INSPIRE** (Infrastructure for Spatial Information in Europe) : Using and contributing to the further development of geoscience standards

PROJECT OUTCOMES

- > **Preparatory phase** for the building of a pan-African information system on Africa’s geology and related resources: raw materials, minerals, groundwater and geothermal energy.
- > **Distributed architecture** of national multidisciplinary data sets presently disseminated and managed by African and European geological surveys and geosciences related organisations.
- > **Internet and satellite-based access** to public geoscientific metadata and harmonised data.
- > **User-oriented products and services:** customized decision-support systems combining georesource information with socio-economic and sustainable development indicators.
- > **Operational procedures and open standards** to browse interoperable spatial information: ISO/CEN, OGC (WMS, WFS), IUGS/CGI (GeoSciML).
- > **Capacity building and training programmes.**
- > **Permanent network** of institutions and geoscientists to facilitate cross-border and continental overviews.

- Project duration: December 2008 to May 2011.
- 23 partners over 20 African and European countries.
- Support Action of the European Union 7th Framework Programme for Research and Technological Development.
- Project opened to the participation of all interested parties as associate partners or user committee members.
- Design georesources predictivity maps combining geological, environmental, societal and economic data and indicators.
- Establish a charter of partnership to define the commitments of the respective partners in the implementation of the actual Georesources Observation System.



Contact - Project coordination
Marc Urvois – m.urvois@brgm.fr

www.aegos-project.org