Road map of the Pan African Project

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40 Years Listening to the Beat of the Earth
What is future PanAfGeo Project

Project to develop a comprehensive multiannual continental-scale programme for the implementation of the cooperation concept presented in feasibility study.

It’s strategy focuses on establishing long-term strategic cooperation in the areas of:

• governance of natural resources,
• sustainable exploitation of non-energy mineral resources,
• prevention and mitigation of natural and man-made disasters,
• support to the development of the local mining private sector.
Main objectives of future PanAfGeo Project

To increase African-owned geological knowledge and skills for:

- Sustainable mineral potential valorization and exploration.
- Sustainable exploitation and related infrastructures.
- Natural disasters prevention and mitigation.
- Control and legislation against anthropic pollution actions produced during mining and processing processes.
- Support to new legislation and control for the reduction of illegal mining.
- Support to the local Mining Private Sector.
Specific objective 1: Coordination of the project and responsibility for legal, contractual, ethical, financial and administrative management of the project and works of the consortium.
Specific objectives

Specific objective 2: Geoscientific mapping

• To strengthen human resources capacity and effectiveness of institutions, and to enhance the discovery and availability of available geological data.

• To increase African-owned geological knowledge and skills for geoscientific mapping.
  – To integrate institutional and technical assistance, advice relating to geological mapping, geochemical and ground geophysical surveys and remote sensing data.
  – Capacity building in geoscientific mapping.
Specific objective 3: Mineral resources

Strengthen knowledge and skills of the staff of African Geological Surveys (management and staff), to contribute to the **sustainable use of mineral resources**, through implementation of an **extensive training programme in**:  

- using geoscientific data in diverse ways to compile thematic maps for decision-makers and stakeholders,  
- managing challenges related to ASM,  
- managing environmental problems related to mining.
Specific Objective 4: Other geological issues

- **Geohazards**: methodologies, training courses and knowledge, equipment, mapping and inventory, via training and information system centres.

- **Geological and mining heritage**: training programme in using geoscientific data to contribute to the sustainable use of geosites and closed mines, and proposals for geoparks.
Specific objective 5: Geoscience information infrastructure and management

- Strengthen **geoscience information infrastructures** and skilled professionals at operational level, with adaptation to the local context.

- Develop and implement **regional spatial data infrastructure (SDI)** for geological knowledge management and visibility of public information as a pan-African geological and mineral information system.
Specific objectives

Specific objective 6: Procurement of IT equipment

Upgrade IT equipment in the pan-African regional centre and the GSO computer centres to run the regional and national nodes of the pan-African SDI for geo-resources in Africa.
Specific objective 7: Sustainability and governance plans

Formalise the actions and frameworks to be implemented by the African Geological Surveys subsequent to the project in order to ensure the sustainability of the project deliverables and improvements in geoscience information management.
Specific objective 8: Communication, Promotion and dissemination

Promote and facilitate dialogue and interactions between the project partners, African Geological Surveys and stakeholders. The main goal is to increase the visibility of the project and to create a communication network raising awareness on the importance of sharing views on project issues.
The project brings together leading European research centres and technologically advanced teams organised within National Geological Surveys.

The project will be built on the existing capacities of the concerned OAGS members and valorise the results of previous cooperation projects. PanAfGeo aims to raise the profile of the OAGS organisation and its members and bring forward geoscientific opportunities for the sustainable development of the region.
Methods of future PanAfGeo Project implementation

African experts will be able to share their knowledge and skills to a team of co-workers, thus building capacities and establishing "knowledge-partnerships" as part of the long-term development.

Improved training and introduction of modern techniques would increase the skills and experience of the African national geological teams.
PanAfGeo project will be implemented over two three-year periods (six years in total) including a mid-term evaluation stage at the end of phase 1.

It will build on the results of previous projects and initiatives such as SYSMIN programme (European Commission), Sustainable Management of Natural Resources and Sustainable Management of Mineral Resources (World Bank) and bilateral national cooperation actions.
The result as set in the Pan-African Programme will be mostly achieved through a **series of training sessions**.

These will be delivered in form of face-to-face, field trip and on-the-job sessions, depending on the respective thematic areas.

Most of the sessions will take place in Africa (short course and basic-practical trainings) whereas four of them (specialist trainings) will be delivered in Europe.
The proposed training sessions are as follows; twelve types of short course (SC.), basic and practical (BP.) and specialist (ST.):

**SC.1** “From stepping on a stone to opening a mine”
**BP.1** “Remote Sensing Techniques and Mapping”
**BP.2** “Geology of Mineral Resources”
**BP.3** “Artisanal and Small-Scale Mining”
**BP.4** “Geochemistry and Environmental Geology”
**BP.5** “Geoinformation and Data Management”
**BP.6** “Geohazards”
**BP.7** “Geoheritage”
**ST.1** “Advanced Remote Sensing Techniques and Map Production”
**ST.2** “Laboratory Analysis”
**ST.3** “Advanced Geology of Mineral Resources”
Expected results of PanAfGeo Project

- Enhance the operational capacity and role of African national Geological Surveys.
- Contribute to mineral resources assessment by national Geological Surveys in Africa.
- Increase activity of national Geological Surveys in regional mapping and exploration to upgrade their geoscientific information base and mineral inventories.
- Strengthen the level of national Geological Surveys geological knowledge and skills through training.
- Strengthen OAGS potential to meet the needs of the African continent.
Thank you for your attention