



Coordinating and integrating state-of-the-art
Earth Observation Activities in the regions of
North Africa, Middle East and Balkans
and Developing Links with GEO related initiatives
toward GEOSS

GEO-CRADLE pre-Kick-Off Meeting
Friday, 18th of February, 2016

EuroGeoSurveys
Polish Geological Institute – National Research Institute
POLAND

PanAfGEO project

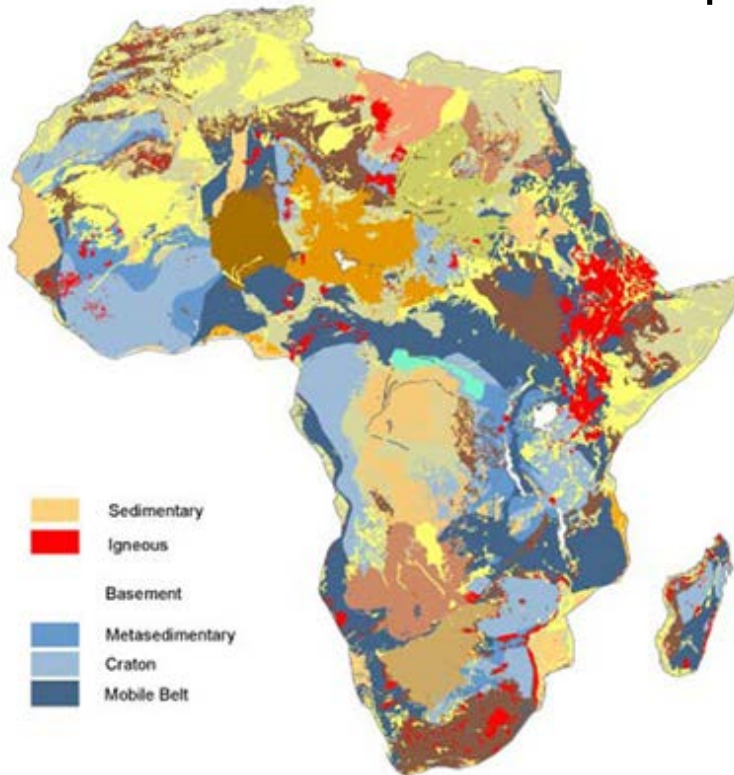


IONIC Centre, 11 Lysiou Street
Athens, Greece



GEOLOGICAL KNOWLEDGE AND SKILLS IN AFRICAN GEOLOGICAL SURVEY - Pan-African Project – (**PanAfGeo**)

EuroGeoSurveys - The Organisation of African Geological Surveys Partnership



British Geological Survey © NERC 2011. All rights reserved.
Boundaries of surface geology of Africa, courtesy of the U.S. Geological Survey.

Feasibility Study (2013-2015)

The project (2016 – 2019)



WP 2 workshop, 18/02/2016, Athens



PanAfGEO



Czech Republic, Denmark, Finland, France, Italy, Lithuania, Poland, Slovenia, Spain and Sweden



Algeria, Angola, Botswana, Burkina Faso, Burundi, Cameroon, Djibouti, DR Congo, Egypt, Ethiopia, Ghana, Ivory Coast, Malawi, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, South Africa, South Sudan, Swaziland, Tanzania, Togo and Zambia

The specific objectives of the project are as follow:

- **Enhance capacity and role of African national geological surveys;**
- **Contribute to capacity building in assessing mineral resources** 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 resources inventories;
- Strengthen the level of national geological surveys **geological knowledge** and skills through **training;**



Main elements of future PanAfGeo Project

The project 2016 – 2019 includes the following four main elements:

- **Human resources capacity building and training for OAGS members and their partners,**
- **Development of OAGS geoscience information infrastructure and management,**
- **Development of OAGS technical infrastructure, GIS laboratories, equipment, facilities,**
- **Dissemination of information about the project.**



PanAfGEO

Gap analysis of geoscientific mapping

Mineral resources assessment gap analysis

Geohazard mapping and monitoring
and Geoheritage gap analysis

Capacity building and training concept
Geoscience information infrastructure and
management





PanAfGEO

**Collection and analysis of questionnaires
replies from 23 countries**





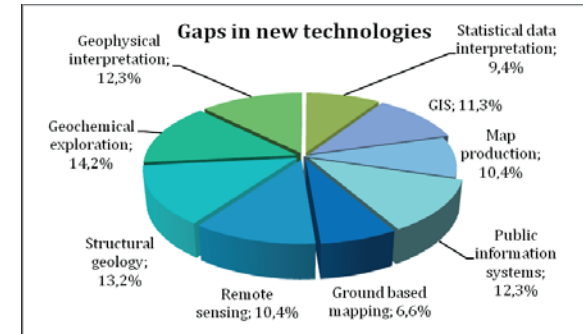
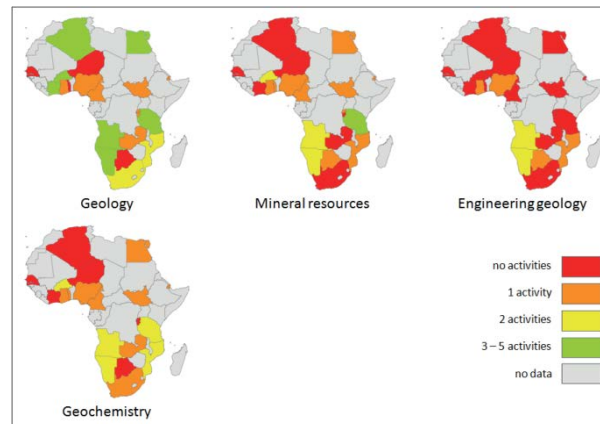
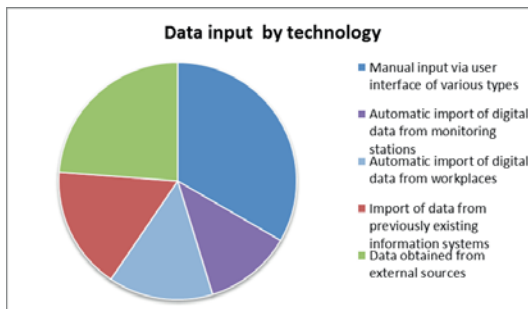
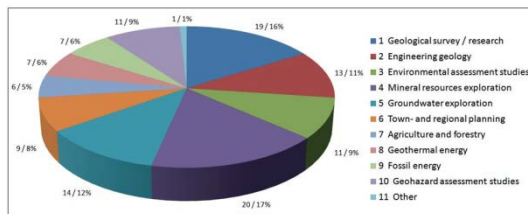
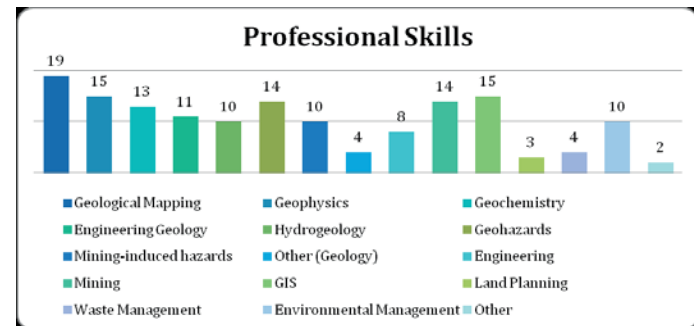
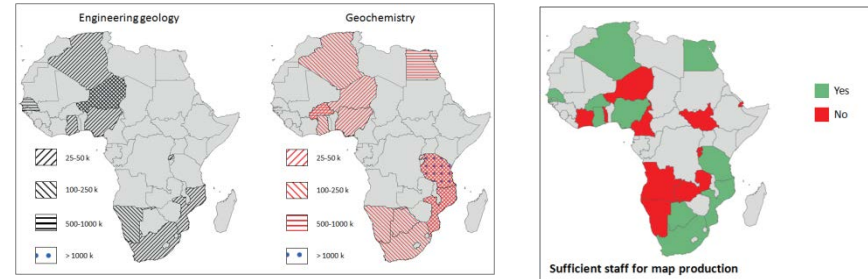
PanAfGEO

Gap analysis of geoscientific mapping

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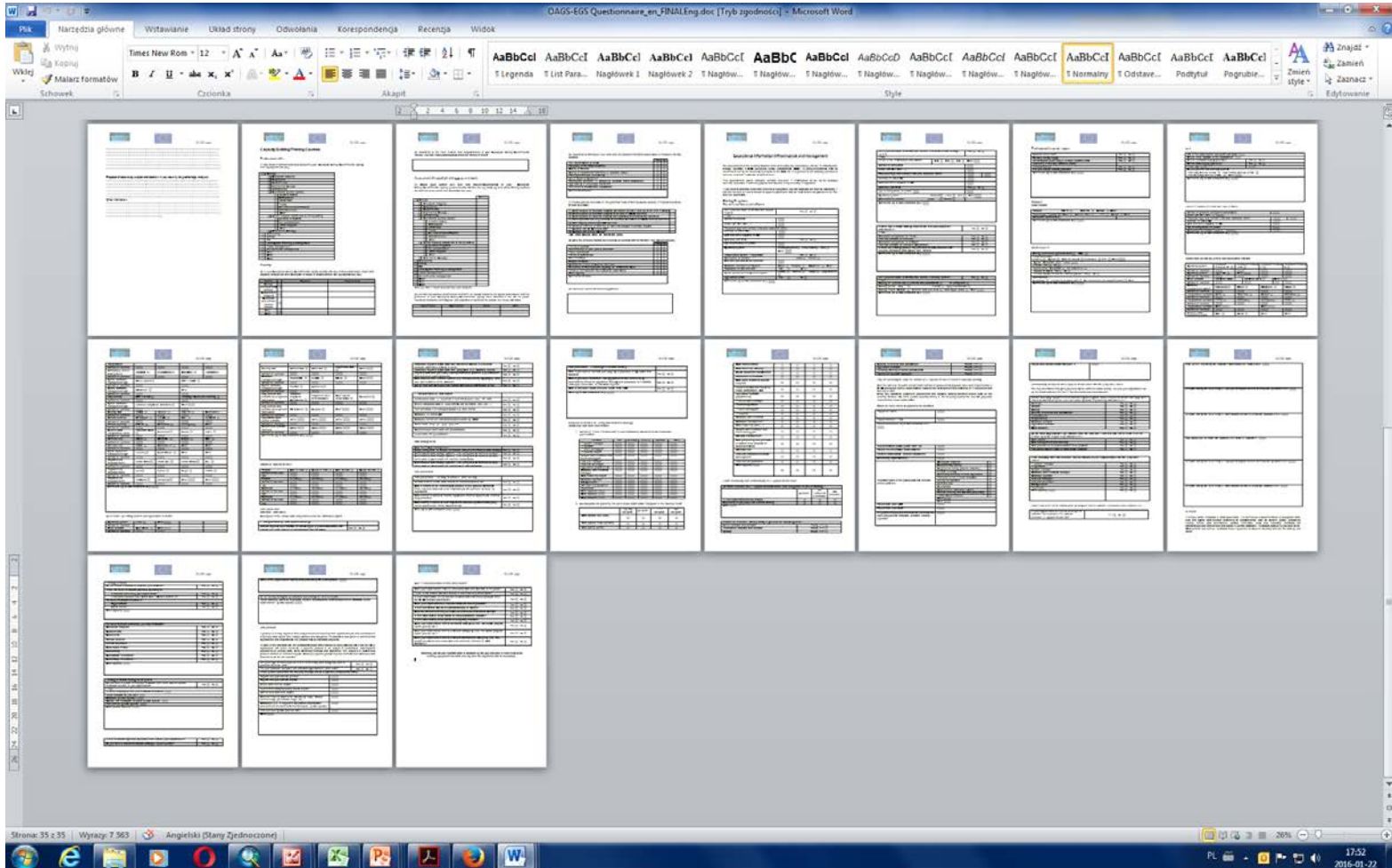
Capacity building and training concept
Geoscience information infrastructure and management





Any existing templates of questionnaires

The PanAfGeo questionnaire, 35 pages:





Questionnaire

As a part of the European Union External Actions project for Africa financed from the EDF (No 323-534) entitled: “Geoscientific knowledge and skills in African Geological Surveys” this questionnaire is designed to identify the needs and options to be carried out under the future EU 2014 – 2020 Pan-African Programme (PAP)/Multi-Annual Financial Framework (MFF). Your Geological Survey / Government Agency has been identified as a potential partner of the future Pan-African Programme. The purpose of this questionnaire is also to facilitate the assessment of your potential cooperation.

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Please give the name and address of your Geological Survey/ Governmental Agency, its affiliation and e-mail:

Name of the Geological Survey/Governmental Agency (in block letters):

Street, Street Number, P.O. Box:

Town: Country: Country Code:

Representative of the Geological Survey/Governmental Agency (First Name, SURNAME, University Degree):

Phone: Fax:

E-mail(s):



Activities needed to strengthen the OAGS

Has your Survey / Government Agency been represented at an OAGS General Meeting?

2013 (Accra):

2012 (Niamey):

2011 (Windhoek):

2010 (Alger):

Other (please specify):

If yes, what have been the benefits from such participation (e.g. networking with other Directors...)?

.....
.....
.....

Whether you did participate in a previous OAGS General Meeting or not, would you plan to attend future meetings? Why?

.....
.....
.....

The European Commission has expressed an interest in strengthening OAGS. Which of the activities mentioned below are the most important for a future OAGS work programme? Please select as many as you like.

- Maintain a permanent OAGS Secretariat
- Members pay a membership fee
- Represent African Surveys in international fora
- Represent African Surveys in AU and UNECA
- Represent African Surveys in other regional fora
- Approach donors for funding of joint projects
- Launch and coordinate joint projects
- Play an active role in cross border initiatives



What is the estimated coverage of your country by maps (in %)?

	25 k	50 k	100 k	200 k	250 k	500 k	1000 k	> 1000 k
Geological maps using manual techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geological maps using digital techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mineral resources maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineering geological maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geochemical maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geophysical maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrogeological maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landuse maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other maps (<i>please specify</i>)	<input type="checkbox"/>							

Which mapping activities are presently performed/planned within next 5 years? (*Please tick appropriate box [es]*)



	25 k	50 k	100 k	200 k	250 k	500 k	1000 k	> 1000 k
Geological maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mineral resources maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Engineering geological maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geochemical maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Geophysical maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydrogeological maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landuse maps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Which of the subjects mentioned below are the most important in relation to ASM operators in your country?

- Legal status of ASM operators
- Organisation of ASM operators
- Illegal trade with commodities
- Deforestation
- Destroying of landscape
- Siltation of rivers
- Health issues
- HIV on mining sites
- Safety in mining operations
- Pollution of soil, water and air
- Poor technology used
- Lack of business skills
- Poor training in evaluation of value of commodity
- Poor value adding in your country
- Gender issues and child labour
- If other, please specify

.....
.....
.....

Proposal of case study subject and location in your country:

.....
.....
.....



Thank you!

marek.graniczny@pgi.gov.pl

maria.przylucka@pgi.gov.pl