



PanAfGeo

*Geoscientific Knowledge & Skills
in African Geological Surveys*



Call for Applications for a PanAfGeo Training

« WP2 – Mineral Resources Assessment »

5-16 June 2017, Windhoek, Namibia
in English

1. MAIN CONTEXT OF PANAFGEO

“PanAfGeo” for “Pan-African Support to the EuroGeoSurveys-Organisation of African Geological Surveys (EGS-OAGS) Partnership” is a project which supports the training of geoscientific staff from African Geological Surveys through the development of an innovative training programme that includes the acquisition and development of important professional skills that complement their qualifications and technical skills. The training programme is carried out by world-class geoscientific experts coming from African and European Geological Surveys.

PanAfGeo is co-funded by the European Commission (Directorate-General of Development and International Cooperation) and by a Consortium of 12 European Geological Surveys coordinated by the French Geological Survey (BRGM).

This programme allows trainees to acquire a state-of-the-art tool kit that contains methods and/or field work from eight geoscientific domains:

- WP1 – Geoscientific Mapping;
- WP2 – Mineral Resources Assessment;
- WP3 – Artisanal and Small-Scale Mining;
- WP4 – Environmental Management of Mines;
- WP5 – Geohazards;
- WP6 – Geoheritage;
- WP7 – Geoinformation Management;
- WP8 – Communication and Promotion.

The “PanAfGeo Charter for Trainees” provides the general quality framework for selection of trainees who will attend the training sessions carried out in the frame of the PanAfGeo Project. This Charter is awarded for the full duration of the PanAfGeo Project. Implementation of the Charter will be monitored and violation of any of its principles and commitments may lead to its withdrawal by the PanAfGeo Project Coordination.

The overall objective and impact of PanAfGeo is to improve the governance and sustainable use of African mineral resources and related infrastructures. The specific objective and outcome is to strengthen the knowledge and skills in Africa’s mining sector and specifically of African Geological Surveys, to make them able to contribute – in their respective countries – with their expertise and data to informed decision-making and good governance as well as sustainable use of mineral resources and reinforcing the capacity of the Organisation of African Geological Surveys (OAGS).



Co-funded by the
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THE AFRICA-EU PARTNERSHIP
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2. CONTENT & METHODOLOGY OF THE “WP2 – MINERAL RESOURCES ASSESSMENT” TRAINING

Mineral resources topic constitutes the second main interest for staff of African Geological Surveys as expressed in the context of PanAfGeo.

“WP2 – Mineral Resources Assessment” aims to enhance the skills and knowledge of African Geological Surveys staff in mineral resources and to give them guidelines so as to accurately assess raw materials (i.e. metals, industrial rocks and minerals) and provide information to stakeholders, clients and civil society.

“WP2-Mineral Resources Assessment” is coordinated by the Geological Survey of Finland (GTK) with the close technical and scientific assistance of the Nigerian Geological Survey Agency (NGSA) and the Geological Survey of Namibia (GSN).

- Number of Attendants: max 20.
- Length: 12 days.
- Trainers: 2 European trainers + 2 African trainers.
- The programme contains issues as defined hereafter:
 - Assessment and evaluation of ore and industrial mineral potential;
 - Assessment and evaluation of resources suitable for construction materials, dimension stones and aggregates;
 - Promotion and marketing of minerals, mineral potential and other georesources;
 - Understanding of the international mining sector;
 - Sustainable management of mineral resources.

In more detail, the course comprises the following:

- A. Mineral deposit models, where each deposit type or class is described with known deposit examples
 - a) Presentation of several genetic mineral deposit types common in Africa, with references of exploration of these types of deposits; focus is in deposit types common in the region (part of Africa) where a course takes place
 - b) Presentation of well-known, extensively investigated (drilled or otherwise explored in detail) deposits as examples of the genetic deposit types to be described during the course
 - B. Exploration reporting according to current international industrial standards. This perhaps must focus on one commonly used standard, such as UNFC, SAMREC, JORC, PERC or National Instrument 43-101, but should also cover issues related to other standards, if such issues significant differ from the standard in the main focus, and as seen important for the course participants. Probably the focus is in UNFC, as this is meant to be the one to be used by government organisations.
 - C. Prospectivity mapping: How and why; real-life examples.
 - D. Assessment of undiscovered mineral resources according to the USGS 3-part method.
 - E. The global mineral sector. This may include, for example, the global metal trade, how investment can be attracted to a region, which issues mining and exploration companies take into account when deciding where (which country or state) to go, where to do exploration or mining. This means we will also touch some issues of mining law.
 - F. GIS training: the WP7 will largely cover this, but some GIS work may be related to various topics of the WP2 teaching, too.
 - G. One day “trainee’s session”: Trainees of the course to present their recent or ongoing mineral exploration or study project. Each presentation to be followed by discussion where all trainers and trainees participate. This discussion may assess the project as a whole or some contents of it. This
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will not necessarily mean that all trainees present something, but those who have a project to present.

H. This is an interactive course. All topics and parts of the course contain discussions between the trainers and the trainees. Each topic will include exercises with, e.g., printed maps or computer, or a short written assessment of a certain subtopic.

How the items above relate to the issues defined above:

- ❖ A, B, C, D, G, F, H: Assessment and evaluation of metal ore and industrial mineral potential
- ❖ A, B, C, D, G, F, H: Assessment and evaluation of resources suitable for construction materials, dimension stones and aggregates
- ❖ B, C, D, E, G, H: Promotion and marketing of minerals, mineral potential and other georesources
- ❖ B, E, H: Understanding of the international mining sector
- ❖ A, B, C, D, E, F, G, H: Sustainable management of mineral resources

FINALLY, PLEASE, NOTE:

- PanAfGeo WP2 will organise altogether seven (7) training sessions in Mineral Resources Assessment across Africa during 2017-2019. Four (4) sessions will be run in English, two (2) in French, and one (1) in Portuguese (*depending on the number of Portuguese speaking applicants*).
- While the first one takes place in **Namibia**, there will be six (6) more sessions to come. The next one will take place in **Nigeria**, in **November 2017**.
- Thereafter in 2018-2019 it is proposed to organise training sessions in **Senegal, Botswana, Zambia, Mozambique, Tanzania**, and **Kenya**. These, however, have not been confirmed to date.
- It is recommended that the applicants consider their language/country preferences when choosing to which of the seven (7) training sessions to apply for.

3. MAIN EXPECTED LEARNING OUTCOMES OF THE COURSE

“WP2 – Mineral Resources Assessment” aims to enhance the skills and knowledge of the staff of Geological Surveys in mineral resources and to give them guidelines so as to accurately assess raw materials (i.e. metals, industrial rocks and minerals) and provide information to stakeholders, clients and civil society. The aims include increasing understanding how mineral deposits form and why they are where they are, how they are explored, evaluated and sustainably exploited. Also included are to increase understanding how the global mining sector works and how to promote sustainable use of mineral resources of a country.

4. TIME SCHEDULE

Date of training session	From 5 June 2017 to 16 June 2017
Location	Windhoek, Namibia
Application deadline	7 April 2017

5. WHO CAN APPLY?

The PanAfGeo “WP2 – Mineral Resources Assessment” training session is open to all persons who are eligible according to the conditions of the “**PanAfGeo Charter for Trainee**”.

6. FUNDING OF THE TRAINING

The PanAfGeo “WP2 – Mineral Resources Assessment” training session is supported through funds of the European Commission.

The following expenses will be covered for a trainee:

- Travel costs: Flights and ground travel in Africa, according to the programme of the training;
- Accommodation, breakfast, catering and joint meals during the training session;
- A daily allowance of 30 EUR.

7. APPLICATION AND SELECTION PROCEDURE

In order to be considered, applicants for the PanAfGeo Training Session entitled “WP2 – Mineral Resources Assessment” must complete the documents listed hereafter:

- 1 - Applicant Form for a PanAfGeo Training;
- 2 - Letter of Commitment signed by your employer;
- 3 - Letter of Motivation.

Please complete these documents and send them to WP2 Leader Riitta Teerilahti (GTK) riitta.teerilahti@gtk.fi or WP2 Co-leader Abdulrazaq Garba (NGSA) razaqgarba@yahoo.com or WP2 Deputy Co-Leader Vickey Do Cabo (GSN) Vicky Do Cabo (Vickey.Docabo@mme.gov.na)

before the **Application Deadline: 7th April 2017.**

The selection process will take into account regional-national representation and a gender balance following the aim of strengthening skills of African Geological Surveys geoscientific staff.

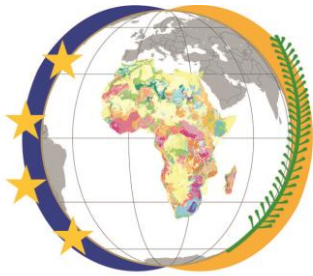
All applicants will be informed about the result of the selection process by **26th April 2017**. The Invitation Letter will be sent out immediately in order to allow time for Visa processing and delivery.

Information about the PanAfGeo Programme can be found via the internet address:
<http://panafgeo.eurogeosurveys.org>

Questions regarding PanAfGeo should be addressed to EuroGeoSurveys via the email address:
info@eurogeosurveys.org

Or to the Organisation of African Geological Surveys (OAGS) via the email address:
oags@geoscience.org.za

Questions regarding practical issues of the course should be addressed to the course coordinators via the email addresses: riitta.teerilahti@gtk.fi; razaqgarba@yahoo.com; vickey.docabo@mme.gov.na



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