



PanAfGeo

*Geoscientific Knowledge & Skills
in African Geological Surveys*



Call for Applications for the following PanAfGeo WP2 Trainings

« **WP2 – Mineral Resources Assessment** »
4-15 June 2018, Dar es Salaam, Tanzania
in English

« **WP2 – Mineral Resources Assessment** »
Sept - Oct 2018, Copperbelt Province, Zambia (*dates to be confirmed later*)
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



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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).

2. CONTENT & METHODOLOGY OF THE “WP2 – MINERAL RESOURCES ASSESSMENT” TRAINING

Mineral resources 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 in 'The Description of the Action' of the PanAfGeo Project:
 - 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 where the course takes place
 - b) Presentation of well-known and extensively investigated deposits as examples of the genetic deposit types to be described during the course
 - B. Exploration reporting according to current international industrial standards. This will focus on one of the commonly used standards, such as UNFC, SAMREC, JORC, PERC or National Instrument 43-101, but covers also issues related to other standards, as seen important for the course participants.
 - C. Prospectivity mapping: How and why; real-life examples.
 - D. Assessment of undiscovered mineral resources according to the USGS 3-part method.
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- E. The global mineral sector (e.g. global metal trade, factors which the mining and exploration companies take into account when deciding where to do exploration or mining, what makes a country or region attractive for investments; other issues like mining law)
- F. One day 'Trainee session': Trainees will have an opportunity to present their recent or ongoing mineral exploration or study projects. Giving a presentation is voluntary.
- G. In general, this is an interactive course with enough time for discussion. Each topic will include also exercises, e.g. with printed maps or computer, or a short written assessment of a certain subtopic.

FINALLY, PLEASE, NOTE:

- PanAfGeo WP2 will organise altogether seven training courses in Mineral Resources Assessment across Africa during 2017 – 2019, as follows
 - Namibia 5th -16th June, 2017
 - Nigeria, 6th - 17th Nov, 2017
 - Cameroon, 5th – 16th March, 2018 (in French)
 - **Tanzania, 4th – 15th June, 2018**
 - **Zambia, Sept-Oct 2018** (dates to be confirmed later)
 - Thereafter two more training sessions will be organised in 2019, their dates and locations will be confirmed later.
- The courses will be run in English, one in French, and one in Portuguese (*tbc, depending on the number of Portuguese speaking applicants*).
- It is recommended that the applicants consider their language/country preferences when choosing to which of the seven courses to apply for.
- Note! *Those who have sent their applications earlier for the WP2 training courses in Namibia, Nigeria or Cameroun but could not be offered admission (due to unexpectedly high number of applications received), do not need to re-send their applications this time. Their applications will be considered when selecting trainees for the forthcoming trainings in Tanzania and Zambia.*

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 4 th June to 15 th June, 2018
Location	AMGC, Dar es Salaam, Tanzania
Application deadline	29th March, 2018

PLEASE INDICATE IN YOUR APPLICATION WHICH TRAINING SESSION YOU PREFER TO ATTEND, TANZANIA OR ZAMBIA!

Date of training session	Sept - Oct, 2018 (<i>dates to be confirmed later</i>)
Location	Copperbelt Province, Zambia
Application deadline	29th March, 2018

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, refreshments and joint lunch 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
- 4 - Copy of passport

Please complete these documents and send them to WP2 Leader Riitta Teerilahti (GTK) riitta.teerilahti@gtk.fi with Cc. Dr Pasi Eilu pasi.eilu@gtk.fi before the **Application Deadline: 29th March, 2018**

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 11th April 2018. The Invitation Letter for Visa processing will be sent to all who confirm their participation.

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

MRS RIITTA TEERILAHTI

PanAfGeo WP2 Leader
Geological Survey of Finland (GTK)



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