



**PanAfGeo**

*Geoscientific Knowledge & Skills  
in African Geological Surveys*



## Call for Applications for a PanAfGeo Training

### « **WP4 – Environmental Management of Mines** »

17<sup>th</sup> -27<sup>th</sup> April 2018, Shinyanga region, Tanzania  
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). Also, the project is co-funded by Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development (IGF).

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



Co-funded by the  
European Union  
and IGF



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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 “WP4 – ENVIRONMENTAL MANAGEMENT OF MINES” TRAINING

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“WP4-Environmental Management of Mines” is coordinated by the Geological Survey of Sweden (SGU) with assistance of Botswana Geoscience Institute and the Geological Survey of Senegal (MIM-DPPM) as co-leaders. In Tanzania the African Minerals & Geosciences Centre (AMGC) will be our hosting partner.

- Number of Attendants: max 20.
- Length: 11 days.

“WP4 – Environmental Management of Mines” aims to introduce knowledge for managing environmental problems related to mining by using geosciences to understand, predict and prevent environmental impacts caused by mining activities.

The training content will focus on and cover the following issues:

1. Environmental Impact Assessments and permitting of mining projects
2. Environmental monitoring of mines
3. Mine waste characterization, prediction and management
4. Mine water chemistry and management
5. Mine closure and mine site rehabilitation
6. Mercury and cyanide management in small and large scale mining

The training comprises lectures, group discussions and presentations of current research and projects. The training offers the opportunity to participants to work with current examples and site specific situations.

Site visits are an important tool for learning and discussing mining and the environment. Therefore, site visits (Shinyanga region) will be integrated in the training, during the course. The extent of site visits will be decided depending on logistics.

### FINALLY, PLEASE, NOTE:

- PanAfGeo WP4 will organise altogether 6 training courses in Environmental Management of mines across Africa during 2017 – 2019. Preliminary three courses will be run in English, two in French, and one in Portuguese.
- The first course in **Senegal** (French) was given in July 2017. The second course in **Botswana** (English) was held in November 2017.
- The next training course will be in **Tanzania 17<sup>th</sup> – 27<sup>th</sup> April 2018** (English).
- Thereafter trainings are planned in **Rwanda** (French) September 2018, **Nigeria** (English) March 2019 and **Mozambique** (Portuguese) August 2019. However, these locations and dates have not yet been confirmed.
- It is recommended that the applicants consider their language/country preferences when choosing to which of the courses to apply for.

## 3. MAIN EXPECTED LEARNING OUTCOMES OF THE COURSE

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The “WP4 – Environmental Management of Mines” aims to fill the lack of knowledge of African Geological Surveys staff on how mining effects the environment. The goal is to give the participants an understanding of the most common environmental impacts associated with mining and knowledge about methods to prevent and mitigate them. WP4 aims to promote a better governance as well as sustainable use of mineral resources in Africa.

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#### 4. TIME SCHEDULE

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<b>Date of training session</b>	From 17 <sup>th</sup> April 2018 To 27 <sup>th</sup> April 2018
<b>Location</b>	Shinyanga region, Tanzania
<b>Application deadline</b>	22 <sup>nd</sup> February 2018

#### 5. WHO CAN APPLY?

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The PanAfGeo “WP4 – Environmental Management of Mines” 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

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The PanAfGeo “WP4 – Environmental Management of Mines” training session is supported through funds of the European Commission and by the Intergovernmental Forum on Mining, Minerals, Metals and Sustainable Development (IGF).

The following expenses will be covered:

- 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 training allowance of 30 EUR.

#### 7. APPLICATION AND SELECTION PROCEDURE

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In order to be considered, applicants for the PanAfGeo Training Session entitled “WP4 – Environmental Management of Mines” must complete the documents listed hereafter:

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

Please complete the documents and send them to [berndt.petterson@sgu.se](mailto:berndt.petterson@sgu.se) and [mattias.fackel@sgu.se](mailto:mattias.fackel@sgu.se).

**Application Deadline: to be received before 22<sup>nd</sup> February 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 approximately at the beginning of March 2018. The Invitation Letter will be sent out immediately in order to allow time for Visa processing and delivery.

## **8. MORE INFORMATION AND CONTACT DETAILS**

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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](mailto:info@eurogeosurveys.org)

Or to the Organisation of African Geological Surveys (OAGS) via the email address:

[oags@geoscience.org.za](mailto:oags@geoscience.org.za)

For any other questions regarding practical issues of the course please contact:

WP4 Leader Mr. Berndt Pettersson (SGU) [berndt.pettersson@sgu.se](mailto:berndt.pettersson@sgu.se)

EGS trainer Mr. Mattias Fackel (SGU) [mattias.fackel@sgu.se](mailto:mattias.fackel@sgu.se)

Our host in Tanzania Mr. Alex Mkama (AMGC) [mkama@seamic.org](mailto:mkama@seamic.org)



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