

Terms of Reference

TITLE – LOCATION

Geography Information Services Specialist (GIS) (P3)
Kampala, Uganda

MISSION LOCATION

Kampala, Uganda

DURATION

15 August 2107- 31 December 2017

OPERATIONAL CONTEXT

The Government of Uganda has an open door policy and has continuously allowed humanitarian access and protection to people seeking refuge on its territory. In 2017, the Government of Uganda's Office of the Prime Minister (OPM), UNHCR and humanitarian partners are responding to emergency refugee influxes and providing protection, care and assistance to 1,277,476 refugees registered in Uganda as at 31 May 2017.

Comprehensive Refugee Response Framework - Uganda is a model country for the implementation of the Comprehensive Refugee Response Framework (CRRF) in accordance with the New York Declaration on Refugees and Migrants. Therefore this proposal includes activities relevant to the CRRF and to the Refugee and Host Population Empowerment (ReHoPE) strategy, which existed in Uganda prior to the signing of the New York Declaration. Accordingly, the emergency response interventions in Uganda are within the context of mid to longer term development and the wider framework of refugees / host community assistance.

UNHCR in Uganda has high level of emergency preparedness, including temporary reception and transit facilities for refugees from South Sudan, the DRC and Burundi, and has well established response procedures, therefore it was able to cope with latest waves of influx. Nevertheless, transit facilities temporarily became very over-crowded and new settlements, Bidibidi, Palorinya, Imvepi and Palabek had to be opened rapidly in Yumbe, Moyo, Arua and Lamwo districts, respectively. In a matter of months, Bidibidi transformed into a settlement hosting 272,206 South Sudanese refugees, while Palorinya hosts an estimated 172,059, Imvepi has reached over 107,330 and Palabek has already received and settled more than 27,269 refugees. The majority of the refugees are hosted in settlements which are located on land gazetted by the government or on land donated by hosting communities. These settlements are administered by the government which also ensures area security. Around 10 per cent of the refugee population live in urban centres, primarily in Kampala, where they can access the same public services as Ugandan nationals.

South Sudanese Refugees - since the South Sudan crisis erupted in December 2013, Uganda has continuously received refugees from the country. Monthly refugee influx rates have fluctuated but have reached an order of magnitude in the tens of thousands as depicted in the graph below. A mass influx began on 8 July 2016 after fighting broke out in South Sudan's capital Juba and continues unabated more than 11 months later .

Democratic Republic of Congo refugees - The influx from the DRC has been continuous since 2012, albeit at a lower scale than the influx from South Sudan. Refugees arrive mainly from North Kivu through various border points along Uganda's south-western border.

Burundian refugees - Refugees from Burundi transit mainly through Rwanda to reach Uganda and cite family reunification, the favourable Uganda refugee policy and other protection issues as the reasons why they choose to seek refuge in Uganda. The influx from Burundi started in April 2015 and has continued at a low rate.

AIM OF THE MISSION

Due to the exceptional constraints on the capacities to deliver effective WASH and other Environmental Health services to the refugee populations in the settlements, there is a need for a strategic approach to address Environmental Health interventions, taking into consideration an integrated and a holistic approach.

UNHCR is in the process of developing a comprehensive and sustainable Environmental Health Strategy (EHS) that is aimed at addressing the needs of refugees and affected host communities in a strategic manner and developmental approach. This will be closely coordinated with all external stakeholders at all levels, including Office of the Prime Minister (OPM), Government line ministries and relevant entities, UN Agencies, NGOs, WASH Sector, Public and Private development agencies; and academic sector; as well as internally with all relevant units within UNHCR (Health, Protection, Field, Education, Information Management, etc.)

To lead the implementation of the EHS, UNHCR intends to deploy a team of Environmental Health Specialists under the leadership of the Environmental Health Expert and Team Leader (EHE/TL). One such team member is a GIS Specialist. The GIS Specialist will be based in UNHCR Office in Kampala, UGANDA with frequent and regular visits to the field.

MISSION OBJECTIVES

The primary objective of the GIS Specialist will be to contribute to the implementation of the Environmental Health Strategy (EHS) focusing on the development of GIS data collection of all Environmental Health sectors in the settlements/camps including neighbouring host communities, under the umbrella of the Comprehensive Refugee Response Framework (CRRF) and in line with the national and international guidelines, standards and master plans. The GIS Specialist will report to the EHE/TL.

RESPONSIBILITIES

Under the supervision of the Environmental Health Expert (Team Leader), the Geography Information Services Specialist will:

- 1- Collect, detail and evaluate existing and new GIS data available within UNHCR and partners, UN Agencies, NGOs, line Ministries, Office of the Prime Minister, Local District Governments, Private and Academic Sectors, etc.;
- 2- Map the GIS sector and identify potential relevant partners to UNHCR EH strategy;
- 3- Map all water sector data collected and received from the field in close collaboration with the Hydrogeologist and partners (mentioned above);
- 4- Map all waste sector data collected and received from the field in close collaboration with the Solid Waste Specialist and partners (mentioned above);
- 5- Map all other sectors' data (energy, air, soil/land, climate) collected and received from the field in close collaboration with the Environmentalist Specialist and partners (as mentioned above);
- 6- Produce a map for each of the 12 settlements and neighboring host communities with all water, sanitation and other sectors' data, organized as shape files according to the Arc GIS software compatible with other UN and Governmental tools and software;
- 7- Develop simple Google Earth tool for communication and sensitization purposes of non-specialists (compatible with Arc View or similar existing software);
- 8- Develop, mid-long term, simple statistics tools to update and analyze the EH information;
- 9- Develop and contribute to the Capacity Building programme of UNHCR personnel, including the preparation of training materials and identification of relevant partners;
- 10- Organize and implement technical workshops, as may be needed, for UNHCR personnel on GIS data collection, analysis and update;
- 11- Participate in internal and external meetings and trainings organized by the EH team and/or as may be required by supervisor;
- 12- Prepare and submit cost estimates as may be required by supervisor;
- 13- Prepare needs assessment with relevant action plans and activities;
- 14- Prepare monthly reports and/or as may be directed by supervisor.

PROFILE

Experience

University degree in one or more of the following areas (Environment, Solid Waste, Waste Resource Management);

Strong experience in Electro-Mechanical field related to energy efficiency;

Minimum five years of progressively professional work experience at national or international levels in GIS, Statistics and Social fields;

Experience working in the UN or other international development organization is an asset.

Essential requirements

Expert in GIS Arc View software;

Expert in Google earth;

High IT skills;

Able to work under pressure;

Able to work in a team and in an independent manner;

Good knowledge of Uganda waste sector;

Good negotiating and alliance building skill;

Capacity to deliver innovative and cost effective solutions;

Strong practical experience in solid waste and waste water domains;

Proven skills in sharing information with internal and external audiences;

Good knowledge in AutoCAD software;

Excellent computer skills, including Microsoft Word, PowerPoint and Excel;

Good capacity in community mobilization and knowledge of participatory approaches.