



Request for Proposals (RFP)

GIS Mapping & Visualization for Early Warning Messaging

Background Information

Raagsan is a female-led social enterprise that specializes in MERL (Monitoring, Evaluation, Research, & Learning) and Citizen Engagement with focus in the Horn of Africa. Since 2023, Raagsan has been providing community engagement services through its Daadihiye Citizen Engagement platform to provide timely early warning messages and climate risk guidance to flood- and drought-prone communities along the Shabelle River. This involved disseminating messages on weather forecasts and early warning translating hydrological data via radio programs, SMS alerts, and community workshops to increase community awareness. The organization has also worked closely with the national government, local authorities and community leaders to ensure communities have access to timely and reliable early warning information products

The Innovation

The Beledweyne Voices is one of the initiatives supported by the GSMA Innovation Fund for Humanitarian Challenges. The project is implemented by Raagsan in collaboration with Water in Sight, Radio Hiraanweyne, and Hormuud Telecom, and is funded by the GSMA with contributions from the UK Foreign, Commonwealth & Development Office (FCDO). The project adopts Daadihiye, Raagsan's mobile-based citizen engagement platform, to provide timely early warning messages and climate risk guidance to flood and drought prone communities along the Shabelle River.

Through integration of manual river data, satellite imagery, and real-time analytics, the project delivers localized alerts via SMS, WhatsApp, radio, and a community call centre. The project will also train 20 government gauge readers, organize 30 community preparedness workshops,

and targets 31,620 residents with advance warnings, enhancing the communities' climate resilience and preparedness capacity. By expanding the use of Daadihiye in Beledweyne, this project builds on proven tools and community trust to ensure early warnings are actionable, accessible, and responsive to the needs of vulnerable populations in one of Somalia's most climate-exposed regions.

Project Description

Beledweyne Voices is a community-centred initiative designed to strengthen local early warning systems and ensure that climate risk information is accessible, trusted, and acted upon by the people most affected by the crises. It integrates community-generated knowledge with satellite and manual hydrological data, and engages communities through radio, SMS, and participatory workshops. The project's main focus is to scale up Raagsan's existing Daadihiye Citizen Engagement Platform and deliver water and climate risk guidance and warnings through digitized hydrological observations, enhanced risk modelling and tailored messaging. The goal is to empower Beledweyne communities to take timely and informed decisions when faced by drought and flood emergencies.

To deliver on this vision, Raagsan is seeking GIS-related technical support to develop practical training contents, roll out online training sessions, and equip staff with the skills needed to apply GIS mapping during the implementation and scale-up of the Beledweyne Voice Project.

Objectives

The overall purpose of this technical support is to strengthen the organization's internal capacity to use Geographic Information Systems (GIS) to collect, analyse, visualize, and interpret spatial data. The main objective is to build foundational GIS skills that can be directly applied to fieldwork, reporting, and presentations to the stakeholders. This will include producing basic maps related to climate risks, population distribution, or other key parameters.

Expected Outcome

The expected outcome of this technical support is to improve how data is visualized and communicated to stakeholders by turning complex data into easy-to-understand maps. It will introduce the basics of GIS mapping to staff members involved in the Beledweyne project and other key technical staff. This training will also facilitate knowledge transfer from Water Insight at the end of the project by equipping the staff with technical skills required to interpret and analyse hydro-metrological data

Scope of Work

The technical support will focus on the application of GIS for Mapping & Data Visualization, specifically the following key areas:

- Application of GIS tools for mapping flood risk areas and visualizing data;
- Mapping key locations such as affected villages, roads, health facilities, schools, and water points;
- Visualizing population movement patterns, with a focus on areas with vulnerable communities or high exposure to floods and droughts;
- Creating simple and clear visuals to support early warning messages delivered via radio, SMS, and community outreach;
- and integrating visuals into reports and dashboards.

Key Deliverables

The consultant is expected to deliver the following:

- Comprehensive Training toolkit
- Online training and coaching sessions
- GIS application SOP
- Summary Report of the Pre & Post training needs assessment

Consultant Profile

Raagsan is seeking a consultant with strong technical expertise in GIS applications, particularly in use of GIS tools for data related early warning messaging. The ideal supplier should meet the following criteria:

- Bachelor's degree or higher in GIS Mapping, Geospatial Science, Geography or a related field
- Proficient in using GIS software like ArcGIS for mapping and spatial analysis
- Training or certification in GIS application or models relevant to geospatial data
- Experience in designing and conducting training sessions on GIS technologies and tools
- Experience in producing maps for climate-related hazards
- Proven track record for managing GIS projects
- Excellent communication and organizational skills
- Proficiency in English language.

Assignment Budget & Timelines

The assignment will run from July to November 2025, with a **total available budget of up to GBP 5,000**, inclusive of all costs (i.e. consultant fees, insurances, expenses, and liabilities).

Proposal Submission Requirements

- Technical proposal (max 3 pages)
- Financial proposal with itemized budget

- CV(s) of consultant(s)
- Samples or links to previous relevant work
- Availability and delivery timeline
- Declaration of conflict of interest (if any)

Evaluation Criteria

Proposals will be evaluated based on the following criteria:

- Technical proposal and methodology – 40%
- Relevant experience – 30%
- Financial competitiveness – 20%
- Timeline and availability – 10%

Proposals must be submitted via email to admin@raagsan.com with the subject line “RE: GIS Mapping and Visu
Visualization for EWS” by no later than **05 July 2025 at 23:59 EAT** (East Africa Time). Incomplete or late applications will not be considered.