



GCERF

Global Community Engagement
and Resilience Fund

Request for Proposal 2020-13- Data Heatmap

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About GCERF

The Global Community Engagement and Resilience Fund (GCERF) is a global fund for the prevention of violent extremism (PVE). Based in Geneva, GCERF supports grassroots initiatives tackling the drivers of radicalisation in communities at risk in Albania, Bangladesh, Kenya, Kosovo, Mali, Niger, Nigeria, Northern Macedonia, the Philippines, Tunisia, , Somalia, Sri Lanka, ; and is likely to expand to more countries over the next year.

Description of Services

Objectives of this RFP

Against the backdrop of a digital world transformed by big data and artificial intelligence (AI) learning, more and more organisations are engaging in partnership with analytics platforms and technology companies. More and more explorative analysis is created using big data, AI learning, social media mapping, and spatial analysis in support of increasingly data-driven decision making.

Currently, GCERF identifies communities at risk of radicalization through a combination of independent country needs assessments and extensive consultations with key stakeholders in relevant countries. However, additional quantitative data analysis is needed to further support data-driven decisions, to strategically guide intervention prioritisation, design and implementation, and ensure the interventions take place in communities most vulnerable to violent extremism (VE). The use of big data and machine learning will also support GCERF to measure programme impact at the community level, filling the information gaps in hard-to-reach locations, providing comparative analysis overtime to seek evidence on programme impact, and collating learnings to support advocacy efforts.

GCERF is looking for a data analytics service provider that is capable of developing a multi-indicator indices tool, using spatial analysis to create risk and vulnerability profiles of areas GCERF currently works or plans to work in. The tool is expected to demonstrate through choropleth maps the geographic areas in which communities are likely to be most vulnerable to VE group influence and more susceptible to recruitment.

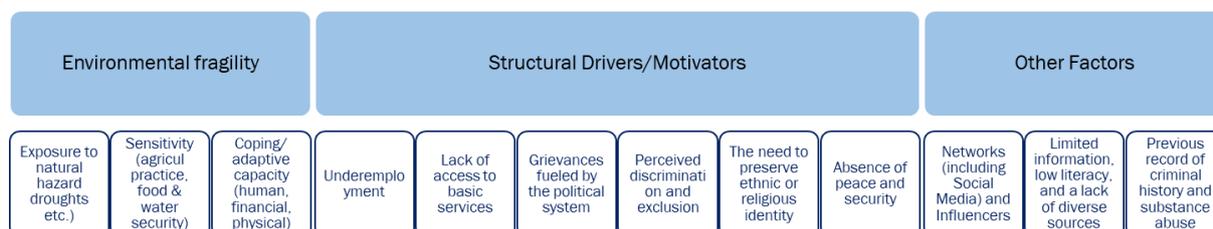
Data would be expected to include the following three main pillars and twelve sub-pillars:

1. Environmental fragility: exposure to natural hazards, agricultural practices related to food and water security, coping/adaptive capacity (human, financial, physical)
2. Structural Drivers/Motivators: underemployment, lack of access to basic services, grievances fuelled by the political system, perceived discrimination and exclusion, Ethnic tension/fractionalisation, absence of peace and security
3. Other factors: network and influencers (i.e. social media), availability of information, criminal history and substance abuse

Figure 1. Analysis framework

GCERF Entry and Prioritization Index (Analysis Framework)

Community Risks, Vulnerability and Susceptibility to Recruitment



Upon selection of the service provider, GCERF will provide a full analysis framework that outlines the data required under each pillar and sub-pillar, with a full list of indicators as a primary reference for analysis (on average three (3) indicators per sub-pillar).

Geographic unit for Analysis:

The spatial analysis should be conducted at 1*1 square kilometre grid level, covering the whole country. If data is not available at this granular level, a larger grid or the lowest administrative division of a country (admin level 3 or 4) can be used.

This tool will inform geographic prioritisation of GCERF investment and interventions in the selected countries. The project will commence with *Nigeria*¹ and, with pilot success and additional resources, expand to include other countries of interests for GCERF, i.e. Somalia, Sri Lanka, and Tunisia.

[Work to be performed and deliverables](#)

Expected Outputs per country

- Data layers at each pillar and sub-pillar level (total 16) that shows the results of choropleth mapping, at 1*1 square kilometre grid, or the lowest administrative division available, by country
 - o Twelve sub-pillar composite data layers which aggregate the “vulnerability score” for all indicators under the sub-pillars
 - o Three pillar composite data layers which aggregate the “vulnerability score” for each sub-pillar
 - o One overall composite data layer that aggregates all sub-pillars and pillars into one choropleth map
- Static choropleth maps of the above 16 data layers
- Full methodology documentation including indicators used, data sources, aggregation methods, calculation and algorithms etc.

¹ This RFP should therefore include pricing for one country, Nigeria, but with the goal of additional countries in mind.

Additional required outputs:

- The format of the data layers should be both in tabular and spatial file, readable by analytical software or GIS tool, such as Tableau, PowerBI, QGIS, ArcGIS, etc.
- An analytical report is desirable to elaborate on how indicators interact with each other (correlations, trends etc.)
- GCERF should be fully informed of sources of raw data used and the methodology of processing, cleaning, collating.
- Providing coaching, training and end-user support to GCERF staff prior to the technical handover
- Additional maintenance period for one month after the data delivery, in case any modification on indicator/calculation maybe required
- Update of data layers and maps based on any new data availability on an annual basis

Estimated Timeline

Activity (based on one country)	Timeline
Finalization of contract, project kick off GCERF provides full analytical framework, list of preliminary indicators	Week 1
Indicator mapping on data availability, data sources, consultation and co-development of final indicators	Week 2 – 3
Develop aggregation methods for composite indices (from indicators to sub-pillar level, from sub-pillars to pillar level, from pillars to overall)	Week 3 – 4
Data layers creation and testing	Week 4 – 6
Draft data layer review	Week 7 – 8
Data delivery	Week 9
Summary analysis of finding and technical handover	Week 9
Maintenance and end-user support	1 month after delivery

Characteristics of the provider

The service provider should be a data analytics firm with:

- Experience in creating, implementing multi-indicator indices tools;
- Specialisation in geospatial analysis using remote sensing data, satellite imagery and other geo-referenced primary data;
- Experience in big data analysis and machine learning techniques;
- Access to the data required to develop and deliver the tool; and
- Experience working in the international public or non-governmental sector.

The provider must comply with all applicable laws and regulations. It should adhere to a strict confidentiality policy in relation to client information and have strong data security measures in place. Upon mutual agreement at the time of contract, both parties will agree upon data storage and usage terms.

Its staffing levels, qualifications and expertise should be appropriate to be able to provide timely and high-quality services. The provider should demonstrate a high degree of commitment to good customer service. The composition of the team servicing GCERF's account would be an important factor in the decision-making process of GCERF.

The fees charged should be reasonable, competitive and related to services rendered. The contract will be awarded to the most technically acceptable, creative and reasonably priced proposal. Creativity will be evaluated based on originality and visually captivating graphics of previous work.

Submission of proposals

Proposals should follow the template provided below. Failure to follow the proposal structure or to comply with the instructions in this Request for Proposal will be at the bidder's risk and may affect the evaluation of the proposal.

Proposals must be sent by email to bids@gcerf.org in the form of "pdf files" and clearly marked "Bid reference: 2020-13".

Deadline: 15 January 2021

Period of validity of the proposal

The proposal must be valid for a period of 120 days following submission.

Cost of preparation and submission of the proposal

The bidder shall bear all costs associated with the preparation and submission of the proposal, including but not limited to the possible cost of discussing the proposal with GCERF, making a presentation, negotiating a contract and any related travel. GCERF will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the selection process.

Selection of bidders

Bidders are requested to provide the most appropriate and most cost-effective solution to meet the requirements.

The selection will be made based on several criteria that will be applied systematically to all bids received.

- Expertise and capacity with data analytics and geospatial analysis;
- Experience with the international non-profit or public sector;
- Credibility of the firm;
- Quality of the proposal;
- Understanding of GCERF's needs and its operational environment;
- Experience and organisation of the proposed team;
- Technical approach and proposed methodology;
- Ability to deliver within specified time frames, and
- Appropriate value for money.

Proposal template

Bidders must submit their proposal following the template below:

The proposal is made up of four different sections

1. Disclosure form
2. Profile of the bidder
3. Technical proposal
4. Financial proposal

Please keep the overall proposal within 10 pages. You may annex additional information as needed.

1. Disclosure form

To be completed by a duly authorized representative of the Bidder: *On behalf of (name of public institution/private or public business entity/myself) (referred to in this document as "the Bidder"), I (name and title of the Bidder's representative) confirm that I am a duly authorized representative of the Bidder and hereby submit this proposal in response to GCERF's Request for Proposal 2020-13. confirm that all statements and representations made in the proposal are true and correct.*

Date submitted:

Submitted by: (Name of Bidder)

Name and Title of Authorised Representative:

Date:

Signature

2. Profile of the Bidder

Please provide a brief background of the Bidder.

- Please explain the legal status of the bidder, including its registration with the relevant competent authorities.
- Please explain your organisational experience and strengths in data analytics, geospatial analysis, big data and machine learning, access to data and your customer service approach.
- Please indicate your ability to access and update data required to develop and implement this tool, for all the GCERF countries of interests.

- Please provide a past example of a project or product that uses spatial analysis to develop or implement a multi-indicator indices tool. Include both methodology note and final product if applicable.

3. Technical Proposal

A. Technical Approach:

Please outline your technical approach guided by the following questions. Please note that you do not need to submit separate proposals for individual GCERF countries of interest, only one technical proposal is expected:

1. Using the analysis framework (figure 1) given above, provide 1 – 2 example indicators under each sub-pillar that you would use to instrumentalize the tool at the geographic unit required (1*1 square kilometre grid or the lowest administrative division of a country).
2. Provide an explanation on the methodology and technical approach you would use to deliver the expected output given above, including but not limited to: accessing data, cleaning, processing and harmonizing datasets/data sources, filling data gaps, building composite layers, suitable common aggregation methods, and what big data, machine learning might be used, etc.
3. Work plan: Please explain how you would approach the planning of the regular support, what tasks/phases, deliverables, schedule of activities may be included in the plan.
4. Measures to ensure quality control over the delivery of services to GCERF.

B. Service Management Plan:

Please explain how you would coordinate the service offering, including proposed meetings and any proposed mechanism for coordinating with GCERF (i.e. anticipated hours needed from GCERF focal point).

C. Team Composition:

1. Please explain how the core team you would use to provide the services would be organised,
2. Please provide information on individual team members that could be involved in providing services should your firm be retained,
3. Please explain how you would ensure continuity of the team membership.

D. Risk Mitigation Plan:

Please list any identified risks which may affect the successful delivery of services and any proposed mitigating measures.

E. Assumptions (optional):

Please list the assumptions on which your proposed approach and successful completion of deliverables are based that you think would be important for GCERF to understand.

F. References:

Please provide information on prior and recent experience with similar requirements and references that GCERF may contact. Please indicate if the name of the client may be disclosed and if GCERF may contact the client for reference. If so, kindly provide their name and contact information.

4. Financial Proposal

Estimate costs for the following (**please quote for one country, likely Nigeria, with the view that assuming pilot success and additional resources, the contract might be extended to include additional countries*):

- Cost of expected outputs listed above
- Cost associated with additional required outputs listed above, if applicable, i.e. production of analytical reports, training, end-user support, annual update/subscription etc.
- Cost associated with access to datasets, if applicable
- Any additional cost, specify in the financial proposal

Please note that GCERF is exempt from VAT. Please include basis for invoicing and terms and conditions for payment. GCERF requires detailed billing.

Date