

We are hiring - a short term consultant to work on aspects of GIS development, electrification in Kenya and Climate Compatible Growth (CCG) project management.

The candidate should have experience with:

- using Machine Learning applied to Questionnaire data (in particular from the Multi-Tier-Framework) accounting for selected Gender aspects to develop electricity demand profiles - that are subsequently used for electrification analysis.
- comparative electrification analysis considering aspects such as demographics, living conditions and post-electrification analysis in regions such as Latin America and Sub-Saharan Africa
- Fieldwork in Kenya with a focus on the local circumstance, machine learning analytics and data ground-truthing.

The candidate should have successfully defended their PhD in a related topic and have project management related qualifications.

The consultant is to report to the CCG director and liaise with modelling activities being undertaken in-country in Kenya, in Work Stream (WS) 3a, WS3 and help develop elements of the CCG work-planning, including:

- Draft an initial project plan for the integration of the UK-PACT CCG county-level integration in the CCG-Kenya work planning, determine points of intersection, data frameworks and data exchanges and meta-data requirements for the integration of county-level planning
- Assist the CCG director and programme manager as required in the development execution of the project, including selected CCG (content-related) management work
- Work with the CCG Programme Manager and relevant contacts with the development of the project plan in the appropriate format (such as the Click-Up project management software)
- Support the CCG Programme Manager as requested with broader CCG related management effort as needed
- Develop a generalisable tool (and sketches for its development) that can use MTF and related questionnaires to provide demand projections for use in the Global Electrification Platform
- Assist with sketching the development of the visualisations for the SPIDER geo-spatial development toolkit
- Collaborate on the development of a county-level electrification strategy for Kenya to seed the CCG-PACT project and initiate integration between toolkits, modelling and data exchanges
- Assess the potential role of Machine Learning techniques in the development of the SPIDER toolkit and related CCG geo-spatial research development
- Undertake analysis as required by the CCG CEP Lead (Mark Howells) especially with respect to the development of spatially explicit planning tools under development by CCG

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The consultant is to charge a rate of 50GBP/hr and undertake approximately 2-3 days of work per month from the 7th of February to the end of March.

Send a cover letter outlining your interest in the post and how you meet the required criteria and a CV to S.Wilson-Gallaher@lboro.ac.uk

Application deadline 4th Feb 2022 12pm GMT.