



Research Assistant in Water Resources Management for the BRECCcIA Project

The **Building Research Capacity** for sustainable water and food security in sub-Saharan Africa (**BRECCcIA**) project (www.gcrf-breccia.com) is led by the University of Southampton in the United Kingdom and partners with five Universities located in three countries (Malawi, Kenya and Ghana), and partnerships with 8 international organizations, working on research and capacity development in the coupled areas of water and food security. The 4 year project is part of the Global Challenges Research Fund (GCRF) RCUK Collective Fund “Growing Research Capability to Meet the Challenges Faced by Developing Countries” programme which is ‘one of the most ambitious international research programmes created; with £225 million being invested across 37 interdisciplinary projects’ to address a range of global development challenges.

The overall objective of the proposed work is to strengthen research capacity and capabilities in institutions in three Sub-Saharan African countries to carry out impactful research that seeks to address food and water security challenges in the drylands of sub-Saharan Africa, and to ensure that this capacity is sustained and propagated throughout the project. To achieve this, the BRECCcIA project provides a number of research positions to collaborate and work together through trans-, multi- and interdisciplinary research projects designed for collaborative and partnership working on international development issues and policy-influence. Within the project framework, the Technical University of Kenya (TUK) seeks to engage the services of Research Assistant in Water Resources Management to support the overall project objectives.

1. Job Summary: The project BRECCcIA seeks one (1) qualified candidate to serve as a Research Assistant (Part-time or Full Time depending on qualifications and experience) in the larger area of water resources management, focusing on addressing water and food security challenges in the drylands of sub-Saharan Africa. The position will be for a total period of 3 years, reporting directly to the Post-Doctoral Research Associate (PDRA) and Co-Investigator of the Technical University of Kenya (TUK). The person will support assigned project research activities of aimed at understanding the concerned hydrological factors, processes and mechanisms affecting water and food security in the regions.

2. Essential Duties: We are looking for a versatile person in his early career to:

- Assist in collection, storage, analysis of hydrological (and satellite geo-data) required to investigate the contributions of local to regional hydrological drivers related to droughts and floods.
- Support in the development of simple codes (or programs) that can be used to automate data analysis and visualization of hydrological (and satellite geo-data) data.
- Contribute in short-term BRECCIA activities and work packages as will be assigned. This will include but not limited to supporting during training events, development and preparation of straightforward project reports *etc.*
- Working with the projects stakeholder engagement groups to plan stakeholder workshops at community, national and regional levels as will be called upon.
- Where possible, to assist in possible dissemination and publication

3. Required Qualifications and Experiences: Qualifications for the position will include:

- Bsc. in Computer Science; Geo-Information Sciences; Meteorology, Geography, or a closely related Engineering field with sufficient experience in programming. A Master of Science (Msc.) degree in Hydrology or in a related field with some interest in developing simple codes towards hydrological analyses can be considered (on part-time) for this position.
- Experience in developing, managing and/or reporting on project activities is important within the BRECCIA's multicultural and transdisciplinary setup.
- Excellent written and spoken English communication skills with demonstrated excellence in written and oral presentations.
- Demonstrated capability in quantitative and qualitative data analyses software packages may be important.

4. Key Details of the Position:

Location:	Technical University of Kenya, Nairobi – Kenya.
Salary/Allowance:	Will depending on experiences mentioned in section 3 above.
Term:	Fixed Term position for 3 Years subject to yearly evaluations/renewals depending on performance.
Application Closing Date:	5 th of October 2018
Begin of Work:	November 2018
Application Reference:	RA – TUK 2018

5. The Application Procedure:

Your applications to include a Cover Letter, a summary CV with two traceable referees should be submitted to the contacts provided below. If you need any informal assistance, do send an email to the Co-PI through the contacts. Please quote the application reference: RA- TUK on all correspondence. The BRECCIA Project offers a multicultural, collegial research environment and believes that diversity contributes to excellence. The TUK hosting this position is an equal

opportunities employer and welcome applications from all sections of the community. Potential candidates who recently finished their studies are strongly encouraged to apply.

Send your applications to: luke.olang@tukenya.ac.ke (copied to): olangk@yahoo.com