

## OVERARCHING RESEARCH QUESTIONS

1. What are the most important factors and emerging hazards and conflicts for the future of water resources and food security in SSA?
2. What is the role of climate variability and change, and associated hydrological hazards, in water and food security?
3. How can water and food security be improved through adoption of technologies for hazard early warning, agricultural management, food storage and processing?
4. How can community resilience be improved to ensure water and food security without compromising public health?
5. What is the role of indigenous knowledge and traditional community-based mechanisms of adaptation to climate variability impacts and food insecurity?
6. How can water and food security outcomes be more effectively improved through institutional arrangements and policies?

## ANTICIPATED IMPACT

- Researchers trained: 100+
- Research managers trained: 400+
- Online learners: 1000's
- Potentially benefitting millions across the drylands of sub saharan Africa

## HOW TO GET INVOLVED

- Follow us on Twitter @GCRF\_BRECCIA
- Check our website for updates [www.gcrf-breccia.com](http://www.gcrf-breccia.com)
- Join one of our national stakeholder groups

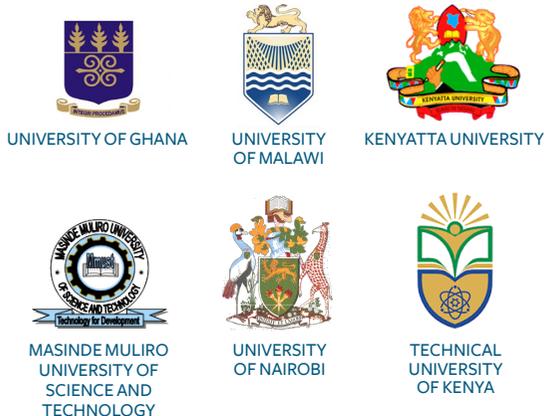
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## PROJECT PARTNERS

### Lead UK Institution



### African University Partners



### Regional Centers



### Training champions



### Impact champions



UNIVERSITY OF  
Southampton

**BRECCIA**

BUILDING RESEARCH CAPACITY FOR SUSTAINABLE WATER AND FOOD SECURITY IN DRYLANDS OF SUB-SAHARAN AFRICA

**2018-2021**

@GCRF\_BRECCIA  
[www.gcrf-breccia.com](http://www.gcrf-breccia.com)

**BRECCIA IS AN AMBITIOUS PROGRAM DEVELOPING RESEARCH CAPACITY ACROSS INSTITUTIONS THAT IS SELF-SUSTAINING AND AIMED AT IMPROVING FOOD AND WATER SECURITY FOR THE POOREST OF SOCIETY.**



## OUR VISION

*“Strengthen research capacity and capabilities in institutions in three SSA countries to carry out impactful research that leads to positive policy/practice change for sustainable water and food security...”*

**Potentially benefitting millions across the drylands of sub saharan Africa**

Our vision will be delivered through high level research programmes that integrate across disciplines and are underpinned by local and regional priorities, but also the constraints and opportunities across these scales.

Targeted research projects will be initiated under these programmes through a flexible innovation fund that will encourage collaborative work across disciplines, institutions and countries.



## OUR APPROACH

We have a portfolio of capacity development and training activities to meet the diversity of documented needs in partner institutions and stakeholders and to anticipate unknown and evolving capability needs identified during the lifetime of the project.



## CAPACITY DEVELOPMENT QUESTIONS

1. What are the barriers and enablers in African research institutions in water and food security research?
2. What are feasible strategies to address these gaps in the short-term to ensure longevity in capacity?
3. How can research outcomes be more effectively integrated with stakeholder needs and policy-making?
4. What are the mechanisms, interventions and professional attributes that enable strong research collaborations between developing countries and the UK?