



The 3<sup>rd</sup> International Forum  
on Water and Food  
Tshwane, South Africa  
November 14 – 17, 2011



Co-hosted by:



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## Available data and gaps at basin level and tentatively initial agro-ecological (biophysical) domain analysis

F. O. ANNOR, N.C. VAN DE GIESEN, S. N. ODAI, J. BARRON, ERIC KEMP-BENEDICT  
+ V1 TEAM MEMBERS<sup>1</sup>

<sup>1</sup> Kwame Nkrumah University of Science and Technology (KNUST)

[costeryz@yahoo.co.uk](mailto:costeryz@yahoo.co.uk)

**Session: Volta Basin x Emerging TWG (spatial analysis and modelling)**

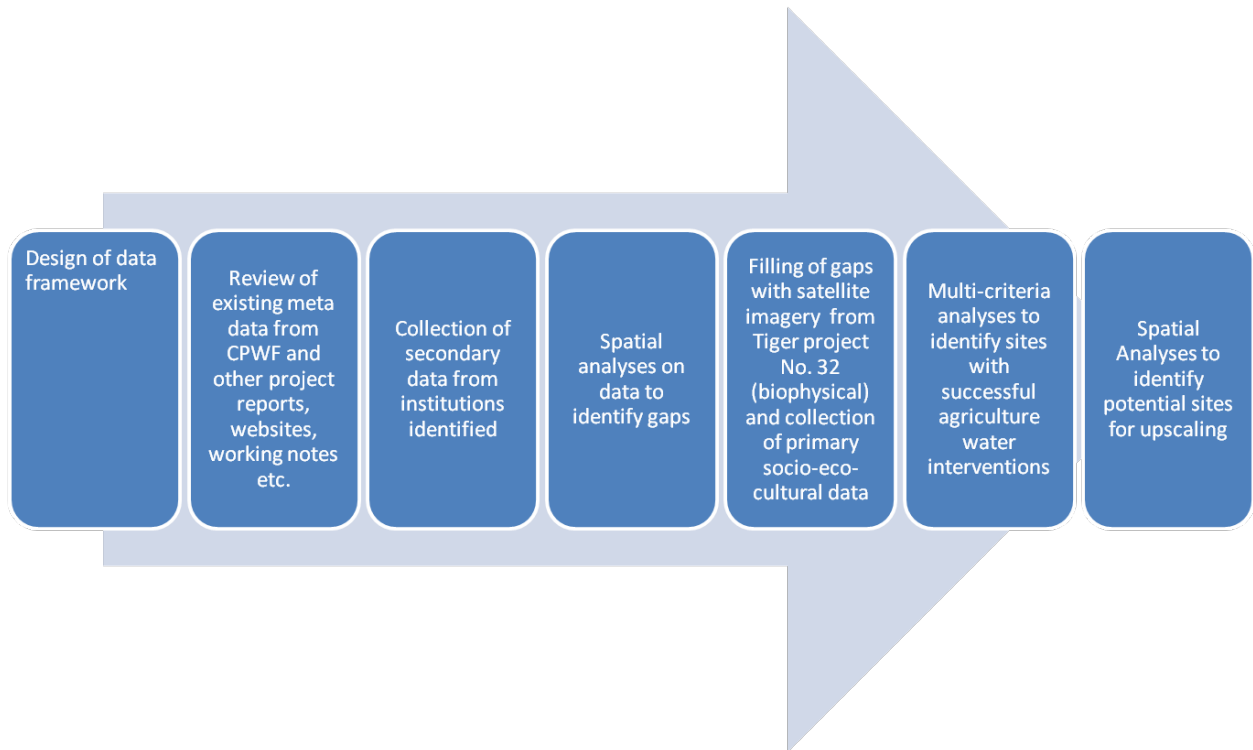
### Key Message

Applying a successful Agricultural Water Management Interventions from one location to another (intra-basin or inter-basin) requires looking at the characteristics and/or representativeness of the sites. Economic, biophysical, institutional, and cultural spatial and non-spatial data is required for this sort of domain analysis to enable proper out-scaling of interventions.

## Summary

Biophysical (spatial and non-spatial) data although not regularly updated is readily available. However social, economic, cultural and institutional data is not always easy to come by at a disaggregated level. FAO studies have shown that issues on resource base of farmers, size of land holdings, interest rates, transportation, marketing facilities and technology are key to successful operation of irrigation schemes although these may not be readily available. This study looks at the availability and gaps in biophysical, Institutional and socio-eco-cultural data in the Volta basin and how

to fill in the gaps for successful out-scaling of agricultural water management interventions to improve upon the livelihoods of the local inhabitants in the basin.



**DOCUMENTATION AND HARMONIZATION OF RESEARCH RESULTS AT THE BASIN LEVEL IS KEY TO ENSURE THE SUSTAINABILITY OF MANAGEMENT INTERVENTIONS AND THE VALOURISATION OF RESEARCH RESULTS**