



**BRAVE:** Building understanding of climate variability into planning of groundwater supplies from low storage aquifers in Africa.

## Work Package Progress Report:

### Work Package 4 Review

#### WP4 Improved Strategic Planning & Adaptive Capacity

**WP Leads:** David Macdonald

**WP4.1** – Supporting Strategic National-Scale Planning

**WP4.2** – Community-level seasonal planning tools

**WP 4.3** – Stakeholder Information on Current Groundwater Resource Status

### Year 1 – Key Actions

- MOU developed with Direction Générale des Ressources en Eaux (DGRE) detailing collaborative work to help them make best use of water-related data collected in Burkina Faso for water resource planning.
- BRAVE represented at meeting of the White Volta Basin Integrated Water Resource Management Board to discuss the second phase
- Studies initiated in eight communities, four in Ghana and four in Burkina Faso (see WP1). Data collection and community interviews will form a key element of the development of community-level seasonal planning tools

### Current/ Ongoing Work

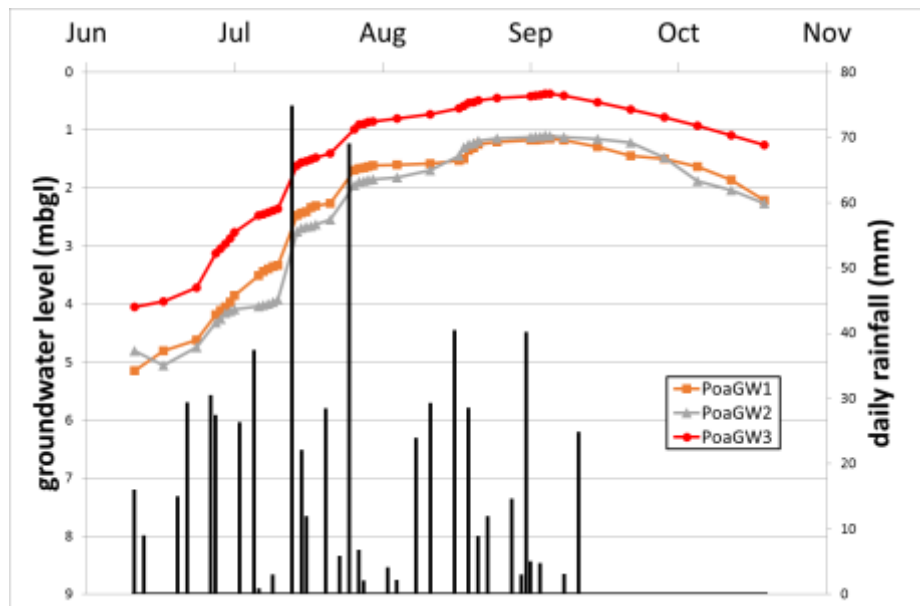
- **Prototype** web-based viewer developed for groundwater-related spatial and point data obtained through the Hydrogeology Assessment Project.
- Work begun on the use of modelled groundwater recharge time series to develop water resource performance indices such as groundwater reservoir reliability.
- Local community monitoring of rainfall and groundwater levels initiated in four focus study areas in Northern Ghana and Burkina Faso. These data will form a key element of community-level seasonal planning tools.
- Proof-of-concept inclusion of groundwater levels in the RainWatch platform: hydrographs for Water Resource Commission monitoring network in Northern Ghana reviewed, plus automatic level loggers installed in two of these boreholes; potential to use data from DGRE-Burkina Faso



Unlocking the Potential of Groundwater for the Poor

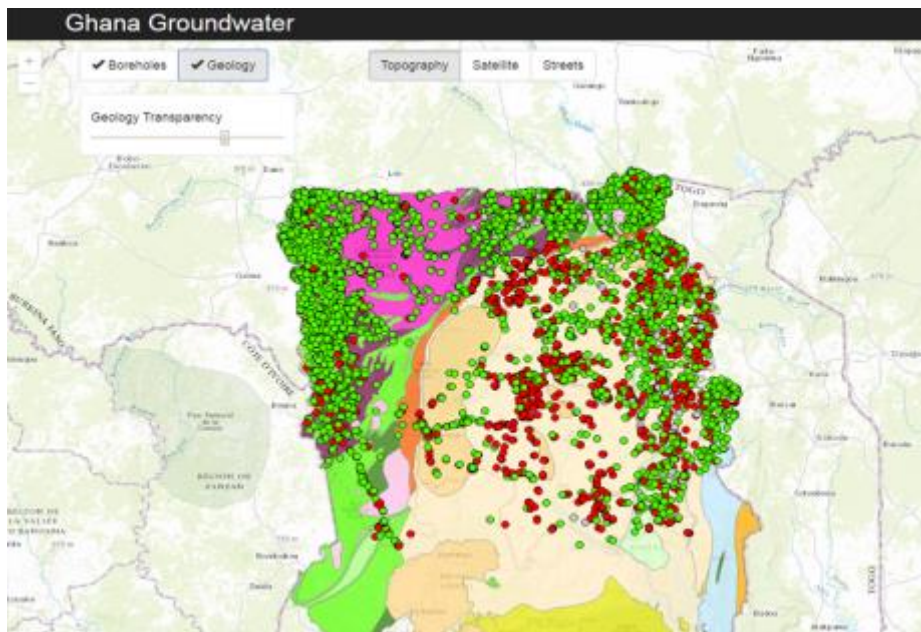


Monitoring data collected by local people of non-pumped wells in focus communities will be used to assess the seasonal status of the groundwater resource



WP 4  
Scientific Outputs

Prototype web-based viewer developed for groundwater-related spatial and point data



BRAVE  
Partners

