Geophysical Research Abstracts Vol. 16, EGU2014-13342, 2014 EGU General Assembly 2014 © Author(s) 2014. CC Attribution 3.0 License.



## Increasing the potential of agricultural water harvesting in Africa

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The WAHARA project aims to increase the potential of water harvesting in Africa. The WAHARA project draws on expertise and field data from four study sites in Ethiopia, Tunisia, Burkina Faso and Zambia. The project is transdisciplinary working closely with stakeholders to ensure that the water harvesting technologies selected and tested meet their needs. The effectiveness of WH technologies will be assessed under different environmental and socio-economic conditions. Each study site offers a number of WH technologies and aim to trial technologies from other study sites. The results from the study sites will inform the adaptation of the PESERA model and the potential of WH for the whole of Africa

This presentation highlights the climate range in which the field trials are being carried out and the technologies being trialed in northern Ethiopia.

Conceptual models for each technology are considered and incorporated into the PESERA model. The model is applied for the study site with both field based and catchment based technologies being assessed. The transferability and potential of individual and combined technologies will be considered across climate gradients and soil type for Africa.

A quick assessment tool has been developed and offers an initial assessment of water harvesting potential. The tool can be used to quickly assess which kinds of WHT could be used in specific areas in Africa and is available to interested parties.