

Africa to Asia and Back Again: Testing Adaptation in Flood-Based Resource Management Project - SUDAN

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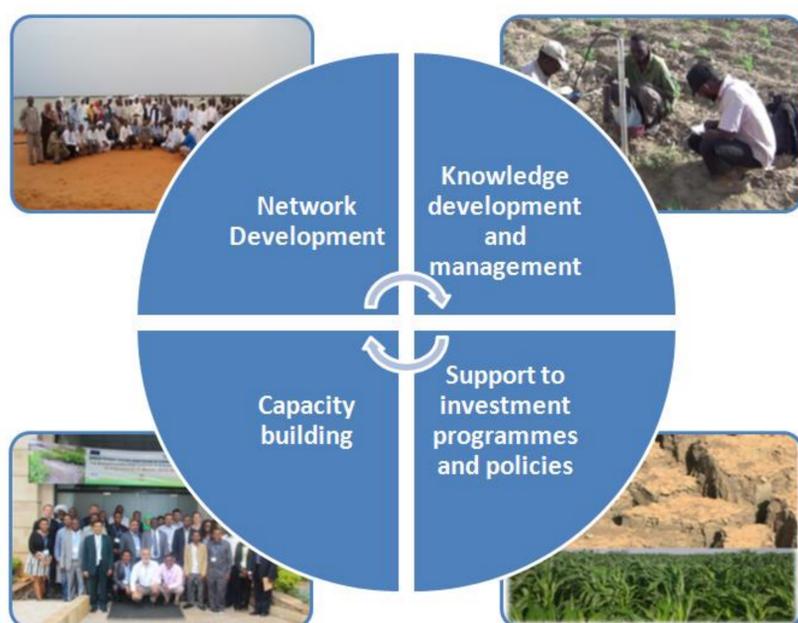
About the project

The research project has started in April 2015 in eight countries; Sudan is one of them. The project is funded by International Fund for Agricultural Development (IFAD) and European Commission (EC) Grant. The duration of the grant is three years. The implementing organization in Sudan is the Hydraulic Research Center (HRC-Sudan) of the Ministry of Water Resources, Irrigation and Electricity.

Overall goal

The project aims to contribute to the build-up of the practical knowledge and national and local capacity to support the productive use of flood-based farming systems (FBFSs) for poverty alleviation in water-stressed regions of Africa and Asia. The research project targets the spate systems in Sudan with special emphasis on the spate system in the Gash Agricultural Scheme (GAS).

4 project components



Achievements so far ...

1. Obtained results of the applied research are promising and concrete conclusions/recommendations will be available by the end of December 2017.
2. Strengthening and consolidation of network on FBFSs in Sudan.
3. Capacity building of considerable number of professionals besides involvement of beneficiaries/farmers in project activities.

Methodology

The applied research titled “On farm water management in GAS spate system” is an outstanding experiment takes place over the period 2015-2017. It has aimed to introduce a newly irrigation scheduling through adoption of few interventions on the field level.

The phases of the experiment are as follows:

- Phase I: investigation of the current irrigation system in year 2015.
- Phase II: modeling using AquaCrop and WinSRFR.
- Phase III: execution of proposed interventions.

