

Application of new tool to map the economic and environmental suitability of solar irrigation in sub-Saharan Africa

Project Title: P1751 - On & off-grid Solar in Africa and Asia

Description of the innovation: Suitability of solar irrigation mapping tool tested in Mali, Ethiopia and Ghana, rolling out for sub-Saharan Africa. The tool enables mapping of areas suitable for solar irrigation based on a combination of natural resource, environmental and economic data.

New Innovation: No

Stage of innovation: Stage 2: successful piloting (PIL - end of piloting phase)

Innovation type: Production systems and Management practices

Geographic Scope: Regional

Number of individual improved lines/varieties: <Not Applicable>

Region:

- Sub-Saharan Africa

Description of Stage reached: Tested in three countries (Mali, Ethiopia and Ghana)

Name of lead organization/entity to take innovation to this stage: IWMI - International Water Management Institute

Names of top five contributing organizations/entities to this stage:

- IFPRI - International Food Policy Research Institute
- Futurepump
- GIZ - Deutsche Gesellschaft für Internationale Zusammenarbeit / German Society for International Cooperation
- ILRI - International Livestock Research Institute
- USAID - U.S. Agency for International Development

Milestones:

- Agriculture, land, water management (ALWM) investment options shared in 2018, are further refined with stakeholders during out scaling of these technologies in 2 countries (or states)

Sub-IDOs:

- 25 - More productive and equitable management of natural resources

Contributing Centers/PPA partners:

- IWMI - International Water Management Institute

Evidence link:

- <https://hdl.handle.net/10568/101594>
- <https://hdl.handle.net/10568/91939>

Deliverables associated:

- D11240 - Development of Mali and Ghana maps and upload in the interactive tool for testing (http://waterdata.iwmi.org/applications/l_solar/)

Contributing CRPs/Platforms:

- WLE - Water, Land and Ecosystems