

Groundwater Game, a water game app around sustainable water resource use for farming in India

Project Title: P1538 - Convention Module 2

Description of the innovation: The water game app building on IFPRI/ICRISAT work on using games to help people understand and get a handle on group decisionmaking around sustainable water resource use for farming. More info: <https://kalgudi.com/>

New Innovation: No

Stage of innovation: Stage 1: discovery/proof of concept (PC - end of research phase)

Innovation type: Production systems and Management practices

Geographic Scope: National

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

Country(ies):

- India

Description of Stage reached: The game was developed and deployed on the Kalgudi platform with some 600,000 farmers and will be used at larger scale in a real watershed somewhere. Key user testing was done with 100 concurrent users at the Big Data Convention, getting this game ready for use in the wider world.

Name of lead organization/entity to take innovation to this stage: ICRISAT - International Crops Research Institute for the Semi-Arid Tropics

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

- IFPRI - International Food Policy Research Institute
- CIAT (Alliance) - Alliance of Bioversity and CIAT - Regional Hub (Centro Internacional de Agricultura Tropical)

Milestones:

- 2.1.4. Hold high-level 2019 Convention on Big Data in Agriculture, with wide participation of CGIAR and non-CGIAR actors, establishment of collaborative agreements.

Sub-IDs:

- 28 - Increased resilience of agro-ecosystems and communities, especially those including smallholders
- 26 - Agricultural systems diversified and intensified in ways that protect soils and water
- 22 - Land, water and forest degradation (Including deforestation) minimized and reversed

Contributing Centers/PPA partners:

- ICRISAT - International Crops Research Institute for the Semi-Arid Tropics

Evidence link:

- <https://play.google.com/store/apps/details?id=com.wg.kalgudi&hl=en>

Deliverables associated: <Not Defined>

Contributing CRPs/Platforms:

- BigData - Platform for Big Data in Agriculture