

## Collective action games to strengthen resource governance in India

**Project Title:** P662 - 5.2.1 Governing Shared Landscapes

**Description of the innovation:** IFPRI, ICRISAT, IWMI and partners developed experimental games that were shown to contribute to improved governance of shared resources through better understanding of how different decision affect resource outcomes. The games to strengthen groundwater and surface water have been adopted by Foundation for Ecological Security and implemented in several Indian states in 2019. Additional scaling up is planned to over 3,700 communities covering 259,000 households in at least six Indian states.

**New Innovation:** No

**Stage of innovation:** Stage 4: uptake by next user (USE)

**Innovation type:** Social Science

**Geographic Scope:** National

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

**Country(ies):** <Not Defined>

**Outcome Impact Case Report:** <Not Defined>

**Description of Stage reached:** Games have been piloted and show promising results; manuals and videos have been posted online to train others on how to use them, and used by an NGO partner.

**Name of lead organization/entity to take innovation to this stage:** FES - Foundation for Ecological Security

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

- IFPRI - International Food Policy Research Institute
- ICRISAT - International Crops Research Institute for the Semi-Arid Tropics
- ASU - Arizona State University
- Department of Agriculture (Andhra Pradesh, India)
- ICRAF - World Agroforestry Centre
- FCNY - Fund for the City of New York
- CIFOR - Center for International Forestry Research
- BMZ - Bundesministerium für wirtschaftliche Zusammen-arbeit und Entwicklung / Federal Ministry of Economic Cooperation and Development (Germany)

**Milestones:**

- Models for more inclusive and effective landscape governance are disseminated to key policy and development actors in 3 countries
- Staff from research, civil society and development organization staff are trained in Flagship 5 methods

**Sub-IDs:**

- 25 - More productive and equitable management of natural resources
- 22 - Land, water and forest degradation (Including deforestation) minimized and reversed
- 46 - Increased capacity for innovation in partner development organizations and in poor and vulnerable communities

**Contributing Centers/PPA partners:**

- IFPRI - International Food Policy Research Institute
- ICRISAT - International Crops Research Institute for the Semi-Arid Tropics

**Evidence link:**

- <http://gamesforsustainability.org>

**Deliverables associated:**

- D13793 - JAL SUTRA game  
(<https://play.google.com/store/apps/details?id=org.measure.gameapp>)
- D19353 - Public good experiment data of a water game framed to Rajasthan/India  
(<http://cdm15738.contentdm.oclc.org/cdm/ref/collection/p15738coll9/id/520>)
- D19352 - The Impact of incentivized Payments on Game Behavior and Social Learning in a Study on Water Management in Madhya Pradesh/India (<https://tinyurl.com/2p4tkus6>)
- D6961 - Experimental games for developing institutional capacity to manage common water infrastructure in India (<http://cdm15738.contentdm.oclc.org/cdm/ref/collection/p15738coll9/id/494>)

**Contributing CRPs/Platforms:**

- PIM - Policies, Institutions, and Markets