

Systems modelling (whole farm) as decision support evaluating impact of SLM strategies of household cashflows

Project Title: P476 - Assessing the impact of alternative smallholder agriculture technologies on ecosystem service provision, productivity, and household incomes in Maharashtra and Madhya Pradesh/India

Description of the innovation: Whole-farm stochastic modelling approach allowed us to analyze trade-offs and outcomes associated with potential farm systems change on simulated farms with varied cropping systems in each of the five selected districts. It provides us contrasting outcomes in terms of farm household's cash flows considering modern inputs, labour and market price.

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: Regional

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

Region: <Not Defined>

Description of Stage reached: These systems tools are well tested but needs to be piloted in the farmers field at more number of locations and situations.

Name of lead organization/entity to take innovation to this stage: <Not Defined>

Names of top five contributing organizations/entities to this stage: <Not Defined>

Milestones: No milestones associated

Sub-IDs:

Contributing Centers/PPA partners:

Evidence link:

- <https://tinyurl.com/y4r684q5>

Deliverables associated:

- D3834 - Defining farming systems and parameterization of integrated bio-economic model (**Not disseminated**)

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security
- WLE - Water, Land and Ecosystems