

ICIMOD, and HI-AWARE Consortium Level M&E Focal Point

Definition of Pilots

Design and management of a pilot

Testing a specific technology, measure, approach, or innovation in a real life situation in close interaction with stakeholders, to test if they work before going to scale

Purpose of doing a Pilot

Successful out-scaling and upscaling of climate change adaptation measures with robust evidence and learning

What is required for **Pilots in HI-AWARE?**

Clear Theory of Change Clear Research Design Evaluation Design M&E System Plan Communication and Engagement Plan



. Selection of Pilots Potential for out-scaling and

- upscaling
- Clear Theory of Change

2. Planning Stage

- Stakeholder Led Planning
- Good Baseline for M&E
- Participatory M&E.

3. Implementation of Pilots

- Consultation with communities & government, CBOs and NGOs.
- Process documentation
- 4. Monitoring & Evaluation PM&E
- Process documentation
- Reporting and Lessons Learnt
- **5. Impact Evaluation**
- Rigorous impact evaluation to see viability, out scaling and potential for upscaling and policy uptake





Pilot Approach – HI-AWARE





BEFORE

INTERVENING VARIABLES

- On-farm water availability
- On-farm water management
- Type of crops
- Number of crops
- Cropping patterns
- Land preparation
- Use of manure
- Use of chemical fertilizers
- Use of pesticides and herbicides
- Crop varieties
- Conventional farming

OUTCOME VARIABLES

- Farm production (gross value)
- Food for household consumption
- Marketable surplus
- Post harvest losses
- Marketed surplus
- Net farm income

Situation of the intervening and outcome variables before adoption

Adoption rate among the farmers in the vicinity

Before-after comparison of adopters







CLIMATE SMART INTERVENTION

Composite Energy Powered Irrigation System (CEPIS)

Pilot farm

(A Learning Centre)

AFTER (Hypothesized changes)

INTERVENING VARIABLES

- Improved on-farm water availability
- On-farm climate smart water management
- High yielding & high value crops
- Increased number of crops
- Climate smart cropping patterns
- Improved land preparation
- Increased use of manure
- Improved soil nutrient management
- Reduced use of chemical fertilizers
- Reduced use of pesticides & herbicides
- Any other climate smart technology adoption
- Integration with livestock & fish

OUTCOME VARIABLES

- Improved farm production (gross value)
- Improved food for household consumption
- Increased marketable surplus
- Reduced post-harvest losses
- Improved marketed surplus
- Improved net farm income

Situation of intervening and outcome variables after adoption

CONSORTIUM MEMBERS







Quality Evaluation Processes

Setting Compa

Socio-Bio-pł Visual

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Evalua

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Policy Recommendations Outscaling and Upscaling Strategies Final Pilot Project Report



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nuous Participatory oring ons Learnt and Course ction tain cases midline survey	Through Qualitative Participatory Techniques
amme Management ation amme Impact Evaluation ammer of expected mes, ity and relevance for aling and upscaling'	Through statistical techniques
unication & Reporting	

Outscaling and Upscaling **Strategies**

WAGENINGEN UR For quality of life