

## From Evaluation to Action

- Seed saving strategies for promising varieties
- Multiplication techniques adapted locally
- Knowledge sharing among community
- Integration with existing systems

## Impact & Next Steps

### 👉 Building on Farmer Expertise

This participatory evaluation demonstrates that farmers are skilled evaluators of genetic resources when given appropriate tools and frameworks. The combination of:

- Traditional knowledge of local growing conditions
- Systematic evaluation methods from research
- Democratic decision-making processes
- Transparent result sharing

👉 Creates a powerful approach to variety selection that serves farmer needs while advancing agricultural sustainability.



Special thanks to the farmers of Rovieng who shared their time, knowledge, and expertise to make this evaluation possible.

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## ★ Key Results & Impact

### 👉 Farmer Voices

Through structured interviews and group discussions, both male and female farmers shared their priorities for new rice varieties.

“For me, I prefer rice varieties with strong plants, long panicles, big grains, and good tolerance to climate stress,” expressed a rice farmer from Rovieng district, Preah Vihear province. 📌

### Key Questions Explored:

- Main criteria for new rice varieties
- How to use and multiply varieties
- Adaptation to current farming systems

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Agroecology and  
Safe Food System  
Transitions



A TECHNICAL GUIDE  
**PARTICIPATORY RICE  
VARIETIES EVALUATION:  
EMPOWERING FARMERS  
THROUGH COLLABORATIVE  
ASSESSMENT**





### OBJECTIVE:

**To evaluate rice varieties together with farmers, bridging scientific knowledge with traditional farming wisdom.**

### Key Aims:

- Learn which varietal characteristics are most important to farmers
- Identify varieties that farmers are genuinely interested in adopting
- Create a farmer-driven selection process for sustainable rice cultivation.

### Why Participatory?

- Farmers are co-researchers, not just recipients of technology
- Local knowledge is valued and integrated
- Better adoption when farmers are involved in selection
- Increased sustainability through farmer ownership.



## STEP-BY-STEP GUIDE

### STEP 01: CRITERIA DEFINITION



- Group discussions on rice characteristics
- Voting to select top 4-5 criteria
- Clear definition of each criterion



### STEP 02: FIELD ASSESSMENT



- Small group evaluations (3-4 farmers)
- Scoring against farmer-defined criteria
- Red/Green card individual voting



### STEP 03: RESULTS AND DISCUSSION



- Transparent vote counting with farmers
- Discussion of results and feedback
- Planning for variety multiplication



### EVALUATION FRAMEWORK

Component	Method	Purpose
Individual Preference	Red/Green Cards	Capture immediate farmer reaction
Criteria Scoring	Group Assessment	Systematic evaluation of key traits
Usage History	Sticker System	Identify varieties with proven local use
Comments	Open Discussion	Capture qualitative insights

All vote counting and result compilation was conducted with farmers present, ensuring transparency and building trust in the evaluation process.

