MOUNTAIN EVO INSIGHTS



























Farmers as researchers for sustainability of local livelihoods and the environment

Understanding the experience of farmers and land users in Ecosystem Services (ESS) as part of participatory-orientated research helps to identify local problems and solutions and to understand how ESS can be managed more sustainably.

Participatory rural appraisal (PRA) for detail situation analysis

- 1. Household surveys: random groups of active female and male farmers.
- 2. Key informants: Farmers that know the community and its environment, have access to information and a meaningful ability to absorb it, and are willing and able to knowledge communicate their when interviewed.



Focus group discussions: purposive sampling to ensure different points of view; considering active farming representatives, diverse gender and age (see pictures above).

Rooftop water harvesting Stream flow and soil loss Groundwater level

Environmental monitoring by farmers

- 1. Investigating water harvesting and groundwater accessibility.
- 2. Conducting experiments to increase awareness on monitoring their own environment and considering farmers' experiences in the evidence generation.
- 3. Creating a platform for knowledge sharing among farmers.

Impacts of this participatory research

- Continuous knowledge generation and exchange about ESS by the local community, and strengthened citizen science.
- Developing resilience and adaptive capacity to unexpected occurrences against the farming practices such as climate change.
- Livelihood and environmental sustainability.

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