



Agroecology and
Safe Food System
Transitions



ALiSEA
Agro-ecology Learning alliance in South East Asia

Multidimensional Evaluation of Agroecological Performance, Cambodia (MuLAgE)

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PROJECT COLLABORATORS



1. ECOLAND, Royal University of Agriculture (RUA)



2. Graduate School, Royal University of Agriculture (RUA)

Grant: 20,000 EUR, 1 YEAR (January-December 2023)

BACKGROUND



- Recent efforts led by **development stakeholders** have been dedicated to **enhance the sustainability of Cambodian agriculture**.



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- **networking all initiatives supporting agroecology to strengthening knowledge and experience sharing,**
- **increasing visibility of agroecological movement,**
- **scaling-up the adoption of agroecological practices among farmers.**



- To conduct a **multidimensional evidence-based evaluation for the existing ALiSEA members' farms in Cambodia to promote agroecological sustainable development using FAO-TAPE tool.**

BACKGROUND



- The evaluation will address the **potential key elements of agroecology profile** and **development criteria** while a **participatory approach** with both structured **qualitative** and **quantitative aspects** will also be included in the process.
- The project will not only provide the evidence-based evaluation documentation, but also to **engage and extend the partnerships and collaborations of ALiSEA members and non-members** towards promoting shared pathways to **agroecological and safe food system transitions** in the **Sub-Mekong Region**.

MAIN CHALLENGES



- COVID-19 pandemic



77% of rural households rely on agriculture



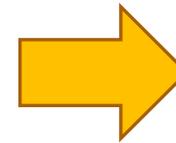
- **water shortages and lack of irrigation**



- **occurrence of diseases and pests**



- **increased land degradation**



As a result of these challenges, farmers' food security is affected.

OBJECTIVES

Aim to **multi-dimensionally access and evaluate the agroecological performance of the ALiSEA members' farms in Cambodia for smallholder farmers' agroecological transition and propose solutions for upgrading the transition.**

Specific objectives:

- To **access baseline data** on current agroecology practices and transition in the study areas;
- To identify the **agroecology constrains** and its **characteristics for agroecological transition;**
- To generate **multi-dimensional strategies** to adopt in order to **promote agroecological transition;** and
- To compare of **farms of ALiSEA members and non-members.**

EXPECTED OUTPUTS

Overall expected outputs of the project are to **produce an evidence-based evaluation report on multidimensional performance of existing ALiSEA members' farms and its potential contribution to Cambodia agricultural sustainable development goals.**

- Output n°1: Descriptive document of the **baseline data** or information on current **agroecology practices and transition in the study areas.**
- Output n°2: Schematic representation of the **levers and lock-ins for agroecological transition** in the study areas.
- Output n°3: **Proposed activities and action plan** to address some of the **key barriers** identified and to take advantage of the **existing levers** in the study areas.

PROPOSED STUDY AREA

- Rotanak Mondol district, Battambang

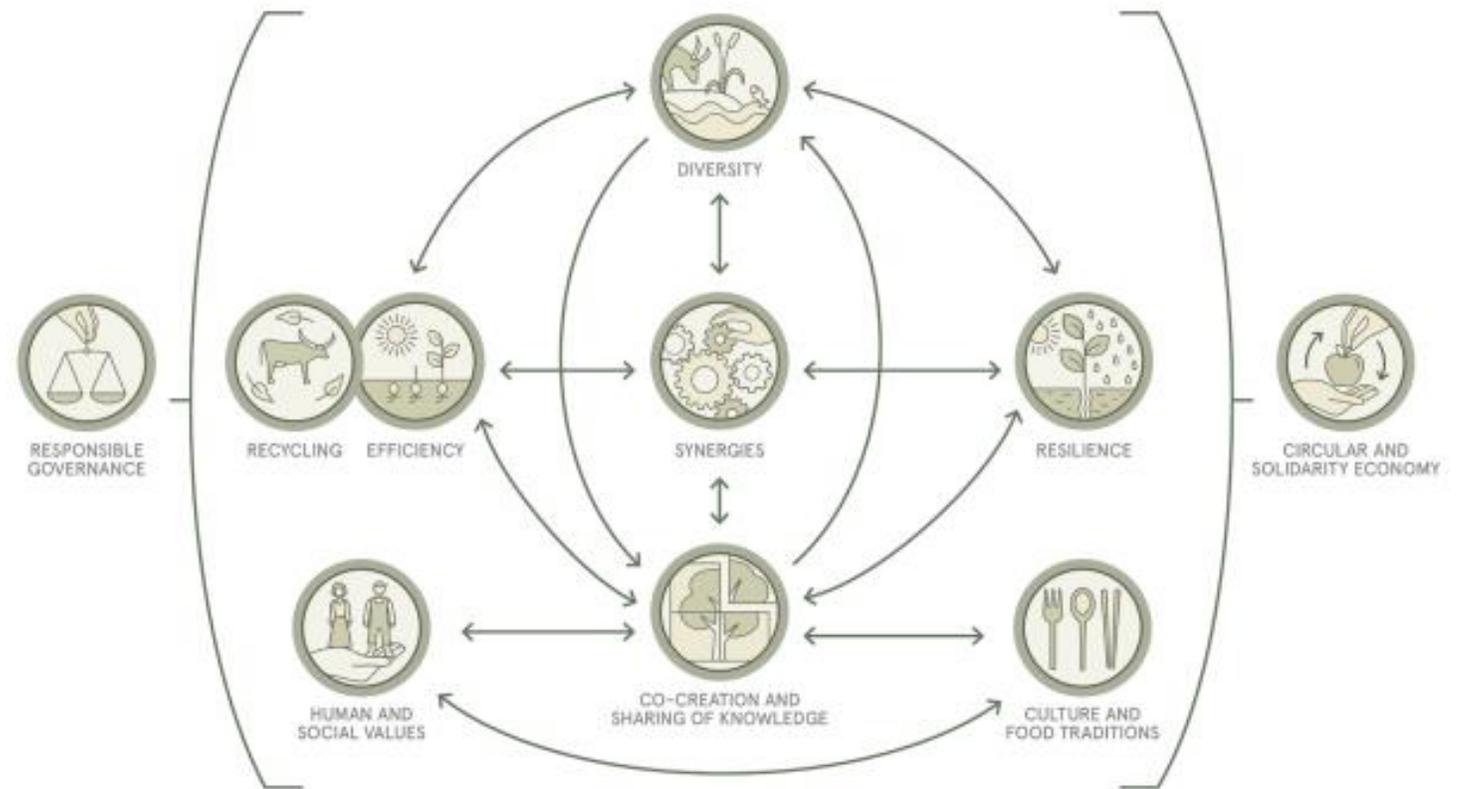


Figure 1: Proposed study area

PROJECT ACTIVITIES

Interview farms of **ALiSEA** members and non members by using **FAO-TAPE Tool**:

- **Activity n°1:** Conduct **baseline survey** to assess the **primary data** and **secondary data** from literature review
- **Activity n°2:** On-farm or household survey on **characterization of agroecological transition assessment (10 elements)**



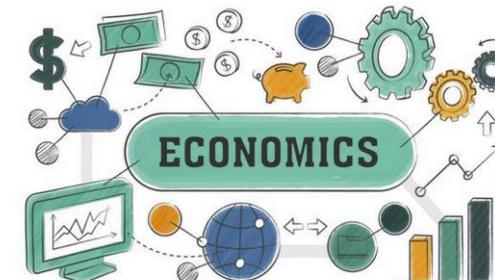
The FAO 10 Elements of Agroecology

PROJECT ACTIVITIES

- **Activity n°3:** On-farm survey on criteria of agroecological performance (measure progress and quantify impact), **5 key dimension strategies**



Governance



Social and Cultural



Nutrition & Health



Environment

- **Activity n°4:** Analysis, participatory interpretation (participatory approach), and reporting

Number	Activity	Method
1	Analyze the result from Activities 1, 2, and 3	Project team members
2	Cross-check and verify data	-Conduct a community level workshop -Present the project findings -Print out the drafted prescriptive results to cross-check and verify data using participatory approach with the community members -Panel discussion on forward solution and feedback to the community
3	Finalize the data analysis	-Project team members
4	Community training **possibly	-Project team members and collaborators
5	Final report to ALiSEA	-Project team members and collaborators

Research Tool

- **Activity n°1:** Primary and secondary information through interview and/or landscape reading or literature review
- **Activity n°2 & n°3:** Questionnaire from FAO-TAPE in Kobotoolbox data collection
- **Activity n°4:** Data analysis using R-programme



Communication and Dissemination Strategy



- Sharing results through workshop with ALiSEA network, and relevant stakeholders



Source: SMP

- Community workshop, panel discussion, and farm visit from farmer-to-farmers



- The final report will be available using existing ALiSEA platform or website.



- Research thesis of 2 Master students from RUA Graduate School



- Article publication in scientific journal



- Will be developed website to share to other stakeholders

Timeframe of activities (January-December 2023)

Months	1	2	3	4	5	6	7	8	9	10	11	12
Small Grant agreement, preliminary meetings (ECOLAND-RUA/RUA-GS/ALiSEA), methodology development, field visit, methodology consolidation based on field experience												
Activity 1: Conduct baseline survey												
Activity 2: On-farm survey on characterization of agroecological transition assessment												
Activity 3: On-farm survey on criteria of agroecological performance												
Activity 4: Analysis and Reporting												

Ways to face potential risks



- Provide training

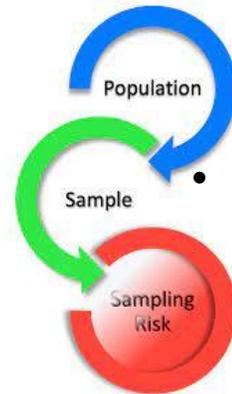
STUDY AREA

- Negotiate with the ALiSEA and choose an alternative study area



- Vaccination card verification
- Mask, alcohol spray, 3 don't, 3 precautions
- Distancing interview

- Project team members
- Train new data enumerators
- Students-project involvement



- Extend the scale of the farm, can be lower to organic farm or bigger to commercial scale farm

- Daily data verification by field data supervisors
- Cross-check and verify with data enumerators
- Quality control training

- Assign a rendezvous point for the interview
- Prepare materials for heavy rain prevention



- Monthly report drafting with team members



- allocate working packages



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https://www.youtube.com/watch?v=3oT5_2T_XHA

Thank you!