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ຫົວຂໍ້ : ໂຄງການ ຄຸ້ມຄອງ ສິ່ງເສດເຫຼືອ ຈາກພືດ ທີ່ເປັນມິດຕໍ່ສະພາບອາກາດ ໃນ ສປປ ລາວ
Title: Climate-Smart Crops Residue Management Practices in Lao PDR



**Presented by: Mr. Vilaysack Xayasith, Deputy
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- ♣ Overview
- ♣ Background and Rationale
- ♣ Project Objectives
- ♣ Key Activities
- ♣ DAEC and SKU

Overview of the Project

- Project Title: **Climate-Smart Crop Residue Management Practices in Lao PDR**
- Duration: **April 2025 – March 2027 (24 months/ 2 years)**
- Budget plan: **97,960 USD** (95,640,CSAM, 2,320 DAEC)
- Implementing Partners:
 - **Department of Agriculture Extension and Cooperatives (DAEC), Ministry of Agriculture and Forestry, Lao PDR**
 - **Savannakhet University- SKU**
 - **Centre for Sustainable Agricultural Mechanization (CSAM), ESCAP**
- Target Location: **Khangphosee Vilagce , Outoumphone District, Savannakhet Province, Lao PDR**



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♣ Overview

Coordination:

- The Department of Agriculture Extension and Cooperatives (DAEC) has coordinated multiple times with CSAM to request funding support for pilot activities in Lao PDR
- DAEC has provided data on the project's target area for research purposes.
- Several online advisory meetings have been held to discuss the project in detail.
- A preliminary project proposal has been prepared for submission
- Currently, CSAM has signed an agreement with DAEC and Savannakhet University
- to define the project's implementation plan and budget.

Collaboration:

- Both parties agreed to collaborate on piloting the project in Outoumphone District, Savannakhet Province
- DAEC has partnered with CSAM to sign an agreement for implementing the pilot project.
- The collaboration framework includes a two-year project implementation period with a total budget of **97,960 USD** USD.



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Background and Rationale

- **Problem Statement:**

- Farmer – Post harvest burning straw, crops residue to impacted greenhouse gas emissions, soil degradation and environmental harm.
- Farmers lack of knowledge in mgt and rice straw utilization for useful
- Farmer lack of tools (Machinery) residue management.

- **Opportunity:**

- Promote climate-smart practices that reduce reliance on crop burning and enhance soil health.
- Support small-scale farmers in adopting integrated straw management systems.





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Project Objectives

- **Overall Objective:**

- Improve the implementation of climate-smart crop residue management to model in Lao PDR.

- **Specific Objectives:**

- Establish a pilot demonstration site
- Utilization agricultural machinery for crops straw management.
- Build the capacity of farmers, technicians, and guideline on sustainable residue management practices.
- Farmer to farmer exchange knowledge.



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Expected Outcomes

- **Outcome 1:** At least 1 pilot site successfully trials an integrated straw management practice.
- **Outcome 2:** 70% of project stakeholders indicate increased knowledge and capacity on climate-smart residue management practices.
- Long-Term Impact:
 - Reduction in crop burning and greenhouse gas emissions.
 - Improved soil health and agricultural productivity.
 - Enhanced resilience of farming communities to climate change.



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Key Activities

• Year 1:

- Identify pilot site and conduct baseline surveys.
- Organize inception workshop.
- Equip pilot sites with required agricultural machinery. (construction facilities: rice hay storage, green house, Mushroom house... Value chain)
- Conduct field trials and adapt machinery to local conditions.

• Year 2:

- Conduct awareness and demonstration sessions. (family run)
- Organize multistakeholder dialogues and training programs.
- Document and share project outcomes through policy briefs and regional platforms.



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Utilization of Rice Straw

What is Utilization of rice straw for?

ປະເດນຫຼັກ:

Key points



ຜູ້ນທຳມະຊາດ
Compost Fertilizer



ເປັນອາຫານສັດ(ງົວ,ຄວາຍ ..)
Animal Feed



Business



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ປົກຄຸມໜ້າດິນ
Mulching



ປູກເຫັດຕ່າງໆ

Cultivation of spawn mushroom





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Responsibility for DAEC and SKU

- Central-Level Project Steering Committee: Oversees project implementation.
- Local-Level Project Steering Committee: Coordinates activities at the grassroots level.
- Project Implementation Team (Central and Local): Responsible for executing project activities.



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Responsibilities of DAEC and SKU

- Project Steering Committees
 - Central-Level Steering Committee
 - Local-Level Steering Committee
 - **Project Implementation Committee (Central and Local Levels)**

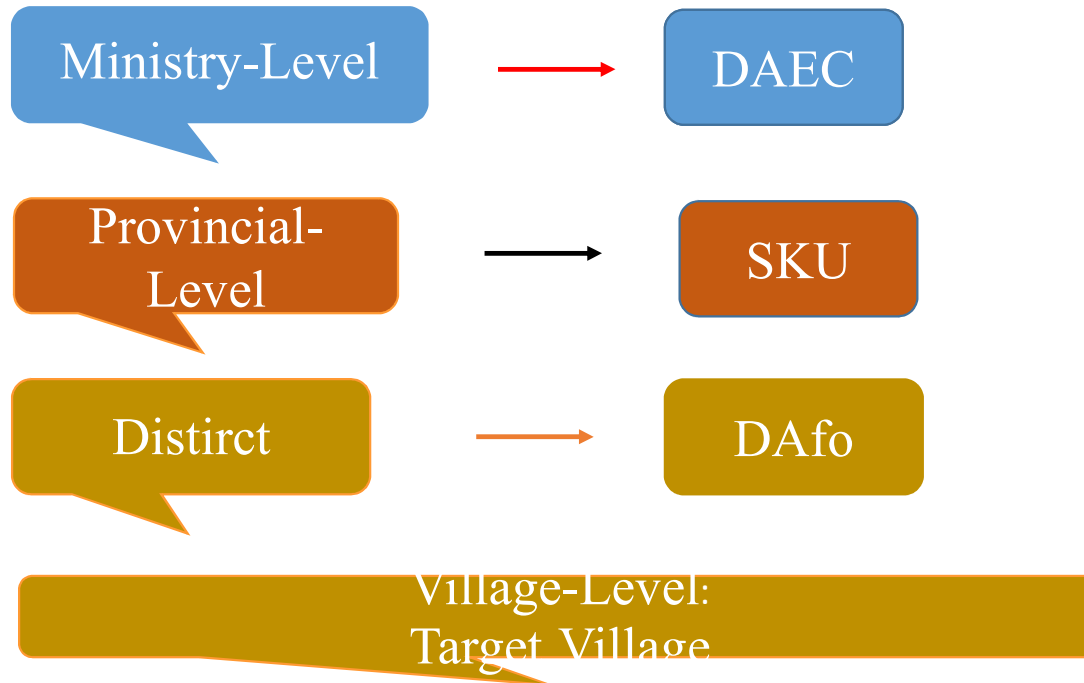


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❖ **Project Management and Implementation Committee
(Letter of Agreement - LoA)**





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Ministry-Level (DAEC):

- Act as the main coordinating partner with the funding organization at the central level, in accordance with the Letter of Agreement (LOA).
- Serve as the coordinator and provide logistical support for all project activities.
- Participate in all project processes, including
 - Annual activity planning.
 - Providing policy and technical recommendations.
 - Facilitating project implementation.
 - Monitoring activities, participating in training sessions, and conducting annual evaluations
- Report on the project's financial and operational progress periodically and request feedback as needed

Provincial- Level (Savannakhet University):

- Serve as a key implementing partner under the LOA and act as the primary coordinator for project activities.
- Ensure the successful implementation of the project.
- Be accountable for the effective use of the project budget.
- Participate in all project processes, including:
 - Annual activity planning.
 - Providing policy and technical recommendations.
 - Reporting on project progress at each phase.
 - Facilitating documentation and meetings.
 - Monitoring activities, attending meetings, participating in training, and conducting annual evaluations.
- Submit progress reports to higher authorities as appropriate.



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Village-Level:

- Serve as the primary partner and on-the-ground coordinator for project activities.
- Ensure the success of the project and its direct impact.
- Be accountable for the project's activities, outcomes, and sustainability.
- Participate in all project activities, including:
 - Joint planning of activities with project owners.
 - Reporting on progress at each phase.
 - Providing logistical support and participating in training and meetings.



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Monitoring and Reporting

- Data Collection:
- Baseline surveys and periodic progress monitoring.
- Feedback questionnaires for capacity-building events.
- Reporting Requirements:
- Midterm and final substantive reports.
- Financial reports submitted of project.



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Communication and Dissemination

- Communication Strategy:
 - Regular interactions with local and national stakeholders.
 - Promotion of project visibility through online and social media platforms.
- Dissemination Activities:
 - Publication of a policy brief.
 - Multistakeholder dialogue to share achievements and lessons learned.



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Timeline

Activity	2025				2026
	Q1	Q2	Q3	Q4	Q1
Identification of pilot		X			
2 Inception workshop		X			
Equip pilot sites		X	X	X	X
Conduct field trials				X	X
Adaptation of machinery				X	X
Progress & financial reports			X		X



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Call to Action

- Message to Stakeholders:
 - Your active participation and collaboration are critical to achieving the project's objectives.
 - Together, we can create a sustainable and resilient agricultural system in Lao PDR.
- Contact Information:
 - ESCAP Representative: **Patricia Wong- Program coordinator**
 - Partner Institution Representative: **Mr. Phonvilay LUANGKHAMHAN, Deputy Head, DAEC and SKU.**



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ຂອບໃຈ ທຸກໆທ່ານທີ່ຮັບຟັງ

Thank you Very Much.