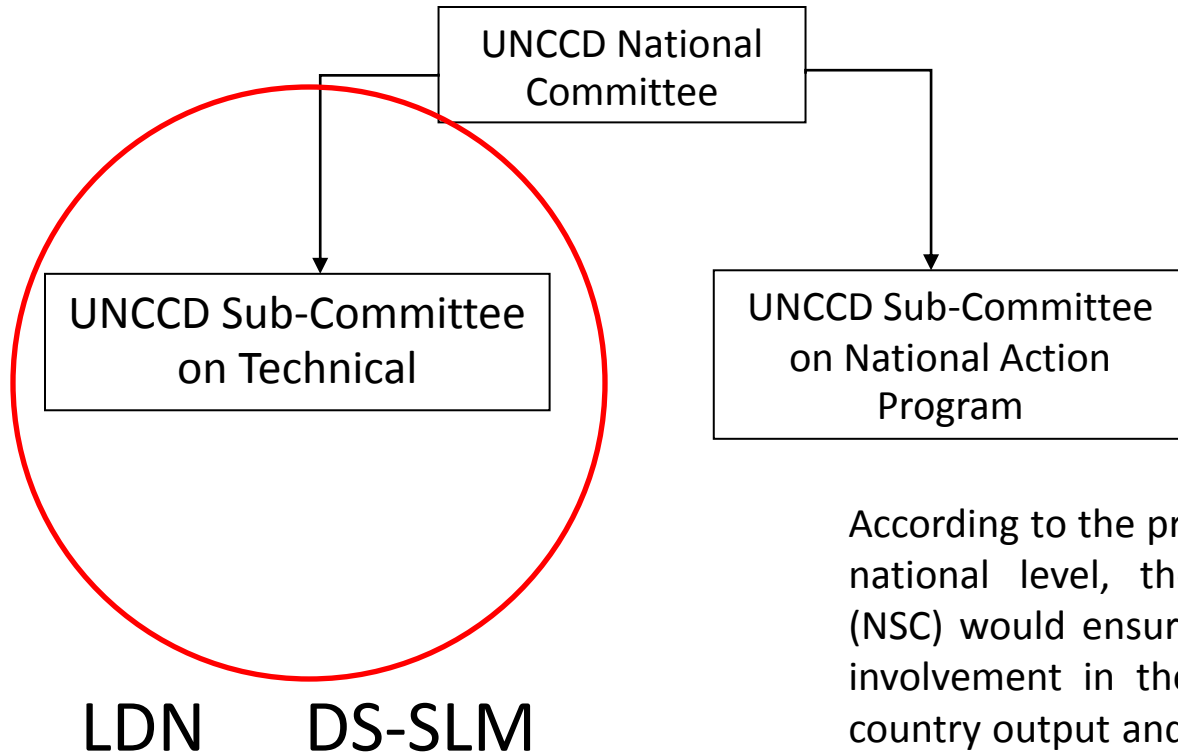




Decision support for Mainstreaming and Scaling up of Sustainable Land Management (Thailand)

CRIC training fair
25-26 January 2019, Georgetown, Guyana

LDN and DS-SLM implementation

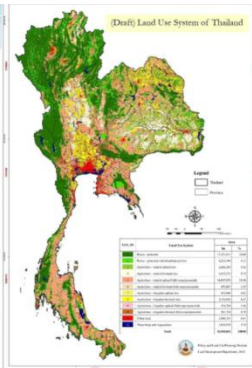


According to the project implementation structure in national level, the National Steering Committee (NSC) would ensure cross-sectoral coordination and involvement in the execution and achievement of country output and result. In particular the National Steering Committee will have an important role in mainstreaming and upscaling activities. In this regards, Thailand decides to utilize existing mechanism, which is UNCCD Sub-Committee on Technical as the NSC of the project

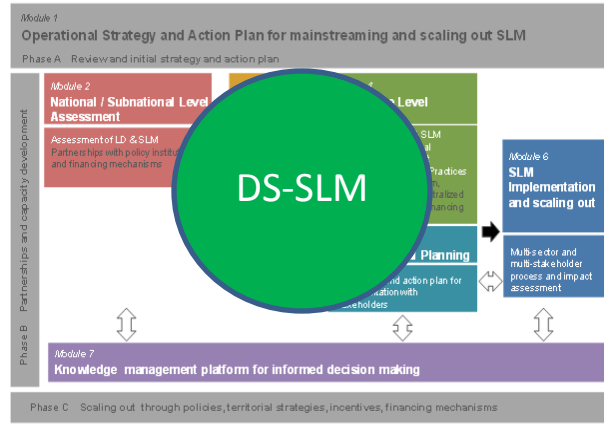
Undertaking activities

- Land use system mapping
- Land degradation mapping/Local LD assessment
- SLM assessment in both technical and approach
- Leveraging (kick off workshop)
- Policy/stakeholder analysis
- Awareness raising

LUS_ID	Land Use System	Area	
		ha	%
1	Forest - protected	17,531,811	34.60
2	Forest - protected with disturbed activities	4,232,249	8.21
3	Agriculture - rainfed upland rice	4,404,265	8.54
4	Agriculture - rainfed lowland rice	4,515,274	8.75
5	Agriculture - rainfed upland field crops/perennials	10,047,870	19.48
6	Agriculture - rainfed lowland field crops/perennials	393,607	1.93
7	Agriculture - irrigated upland rice	415,980	0.81
8	Agriculture - irrigated lowland rice	3,370,936	6.47
9	Agriculture - irrigated upland field crops/perennials	514,758	1.00
10	Agriculture - irrigated lowland field crops/perennials	361,734	0.70
11	Urban land	3,306,311	6.41
12	Water body and Aquaculture	1,933,976	3.75
Total		51,568,451	100.00



Policy and Land Use Planning Division
Land Development Department, 2018
Aplitt Eiummoh- 12 December 2018 @ Mida Hotel, Nakhon Pathom 21



29 January 2019
3:30-5:30 PM
Room 211 LH.1
Kasetsart University, Bangkok

The Asian Regional Forum on Decision Support for Mainstreaming and Scaling up of Sustainable Land Management (DS-SLM)

Welcome Seminar and Poster session on Decision Support for Mainstreaming and Scaling up of Sustainable Land Management (DS-SLM) with 15 countries implementing agencies from designated lead ministries/departments: four in Asia (Bangladesh, China, the Philippines and Thailand); four from Africa (Senegal, Morocco, Nigeria and Tunisia); three in Europe and Central Asia (Bosnia and Herzegovina, Turkey and Uzbekistan); and four in Latin America (Argentina, Colombia, Ecuador and Panama).

*Free register...Please contact:
Ms. Rosalud de la Rosa at e-mail: Rosalud.DeLaRosa@fao.org
or Dr. Napaporn Phankamolai at e-mail: agrpp@ku.ac.th

where some currently outbreaks of disease and insect must be prevented according to instructions. Rainfall prediction in study field can correct seed problem, and water also need. After planting, weeds must be removed at least 2 times at 20-25 days and 40-60 days after germination.

8. Maintenance: Small dam or weir, small drainage canal and terrace in water supply technology in the highland necessary to restore and maintain a new before and after harvesting.

DESCRIPTION OF THE TECHNOLOGY

Main purpose:

- improve production
- reduce erosion, reduce land degradation
- protect a water shed downstream areas in combination with other technologies
- reduce soil salinity
- reduce soil erosion
- adapt to climate change stresses and its impacts
- improve climate change and its impacts
- create beneficial social impact

Land use:

- Cropland: Annual cropping
- Main crop (cash and food crop): quality rice and vegetables such as chili, cabbage
- Waterways: watercourses, terraces, drainage lines, waterways
- Main soil/cultivar varieties: small dam or weir with small drainage canal, which supply and distribute water to rice fields

Water supply:

- Irrigated
- Number of growing seasons per year: 1
- Land use before implementation of the Technology: n/a
- Landmark identity: n/a

Purpose related to land degradation:

- prevent land degradation
- reduce land degradation
- restore/rehabilitate severely degraded land
- adapt to land degradation
- non applicable

Soil degradation addressed:

- soil erosion by water

SLM measures:

- on-farm measure
- water diversion and drainage

SLM measures:

- structural measures: S1: Terraces
- management measures: M7: Others

TECHNICAL DRAWING

Technical specifications:

Water distribution system in high landscape rice terrace by farmers in the village, and the important matter of technology is that it is suitable for highland sloping agriculture, with slopes range from 5-60 degrees. It is based on the principles of water management in the area by diversion of water from natural waterholes in the upstream to their agricultural land with regulation of release community consensus. Diversion of water to the rice terrace was managed by small dam or weir to save suitable amount of water to small Canal head for Farmhouse. Small drainage canals for high-terraced rice terrace in the field.

1. LEVERAGING

Engage decision makers and stakeholders involved in land management

2. ASSESSING

Making informed decisions on what action to take by assessing the current state of land and its drivers of degradation

3. SETTING LDN TARGETS & MEASURES

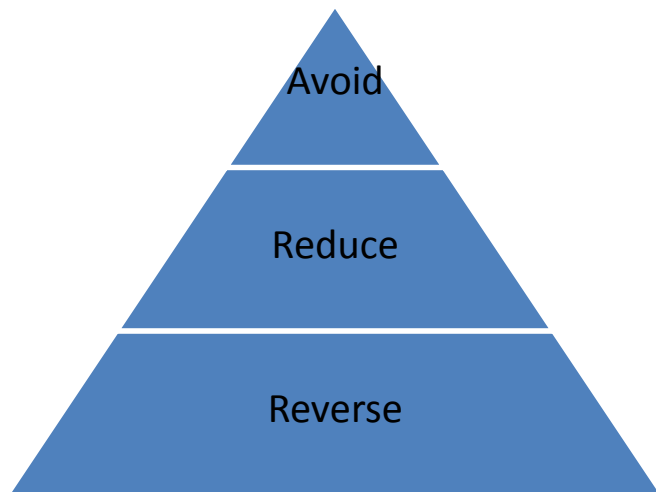
Define country's **ambitions** in terms of combatting land degradation by defining LDN targets and measures

4. ACHIEVING LDN

Create an **enabling environment** by integrating LDN into national policies and identifying transformative LDN programme and projects

Targets	Measures	Institutions
Increase the proportion of national forest cover through reforestation and rehabilitation degraded forest including headwater and mangrove forests by participation of local community.	<ul style="list-style-type: none"> - Review and conduct agricultural land use planning in consistent with national directions and development targets indicated in national strategy - Promote reforestation and fast growing trees especially at the household and community level under the appropriate concept and mechanisms such as tree banks in order to increase biodiversity and soil carbon stocks. - Promote the development of community rules that relate to the forest conservation, reforestation in the area of forest complex that connects to the corridor of land owned by the state by participatory of all sectors 	<ul style="list-style-type: none"> - Ministry of Natural Resources and Environment - Office of Natural Resources and Environmental Policy - Ministry of Agriculture and Cooperatives - Land Development Department - Department of Natural Park, Wildlife, and Plant Conservation - Royal Forest Department
Restore and rehabilitate degraded land to be productive land, emphasized on sustainable agriculture.	<ul style="list-style-type: none"> - Apply principle of sufficiency economy in agriculture, sustainable land development, good agriculture practices, organic farming, integrated farming and agricultural system enhance resilient to climate change in corporation with local wisdom - Support and promote learning and land management for land degradation neutrality - Formulate strategy and action plan to halt land degradation - Increase efficiency of water management for agricultural areas 	<ul style="list-style-type: none"> - Ministry of Agriculture and Cooperatives - Land Development Department - Department of Agricultural Extension - Department of Agriculture - Royal Irrigation Department - Department of Water Resources - Department of Ground Water Resources - Department of Royal Rainmaking and Agricultural Aviation
Reduce soil carbon loss and increase soil carbon sequestration by soil and water conservation and promote awareness raising and community participation in land management.	<ul style="list-style-type: none"> - Promote soil and water conservation measures by both mechanical and vegetative measures, appropriate soil improvement in agricultural areas in highland and lowland - Promote campaigns to reduce stubble burning plant, control the forests burning and agricultural residues management - Develop land productivity and soil organic carbon database in national level by 2022 	<ul style="list-style-type: none"> - Land Development Department - Department of Natural Park, Wildlife, and Plant Conservation - Royal Forest Department

LDN Thailand + DS-SLM



National Action Program

Short- 2019-2021

Long- 2021-2030