

# **Ministry of Agriculture and Forestry**

## **Department of Agricultural Land Management**

- I. Mandates and functions**
- II. How common disasters affect the department's functions and its developmental work**
- III. Steps taken to reduce disaster risks**
- IV. Key activities for DRR in the sub-sector**
- V. Resource requirement**

# I. Mandates and functions

# Ministry of Agriculture and Forestry (MAF) Agricultural Land Management and Development (DALaM)

## 1. Mandates and Functions:

To undertake agricultural land survey and management, land classification and land use planning, conservation, improvement, demonstration and transformation the appropriated technology are:

- Carry out Participatory Agriculture Land Management and Land Use Planning (PALM), Agro-Ecological Zone (AEZ), assessment and development (Land Productivity Improvement (LPI) and Conservation Agriculture (CA) for sustainable use of agriculture land at macro (province and district) and micro (village cluster and village) level such as Plain (7 major plains, 16 middle plain and 12 mountainous plains), 10 government priorities area and food security and agricultural commodity production at 10 provinces, and village development under three build goal and other government priorities.
- Ensure good management and use of agriculture land according to the Agriculture Land law of Lao PDR
- Promote and develop staff skill at all levels,

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## **2. The common disasters (floods, droughts/dry spells, extreme weather events, landslides etc.)**

- **Soil erosion and landslides :**
  - Areas with very steep, steep and moderate slopes and rugged land forms and critical susceptible to erosion, land slide and land degradation at the Northern Provinces, and Eastern parts of the Central Provinces
- **Drought:**
  - Strong and moderate drought at Southern and Central provinces
- **Flooding in marshlands and valley-bottoms**
  - Along Mekong river and their tributaries and small steep-sided marshlands
- **Land fragmentation/ scattered** (Northern and Southern Provinces)

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**3. What are the step taken/being taken by the department/subsector to reduce the disaster risk. Also mention the gaps and challenges?**

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**4. Enlist key activities for DRR in the subsector, including:**

- i. Strengthening institutional framework, including policy and planning process
- ii. Subsector specific risk and vulnerability assessment
- iii. Capacity enhancement-through training, resource mobilization etc. for effective preparedness to meet disaster challenges. Mention the training needs
- iv. Knowledge management, including science and technology use for DRR, awareness generation and education

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**5. Resource requirement (financial and human) to carry out proposed activities and also propose action plan with time frame**

Actions proposed

Remarks, including the project support

Create awareness among stakeholders, including community to make sustainable use of agriculture land, so that there is adverse impact on soil and vulnerability to disaster

Provide necessary technical knowledge about suitability of land/ soil to different crops and use of agriculture inputs, including water use

Aware farmers about soil conservation techniques, including check on soil erosion, especially in hilly and river flood zone regions.

By developing awareness material, training of DAFO and extension staff in such technology

Coordinate with Department of Irrigation (DOI) in implementing flood control and irrigation plans, including small local water storage and conservation technologies

To ensure suitability to local conditions (soil and land) and no increase in vulnerability to disasters

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### Actions proposed

Carry out detail survey and develop hazard risk maps of agriculture land, especially in disaster prone areas.

Ensure giving due consideration to disaster risks in agriculture land use planning and land zoning

Coordinate and provide necessary technical input to other MAF departments to minimize disaster risks while carrying out agriculture developmental activities

Capacity building of its officials through training in RVA mapping, especially use of modern techniques like GIS

Provide training and technical input to DAFO and extension staff enabling them to assist and guide farmers in identifying risk areas prone to

### Remarks, including the project support

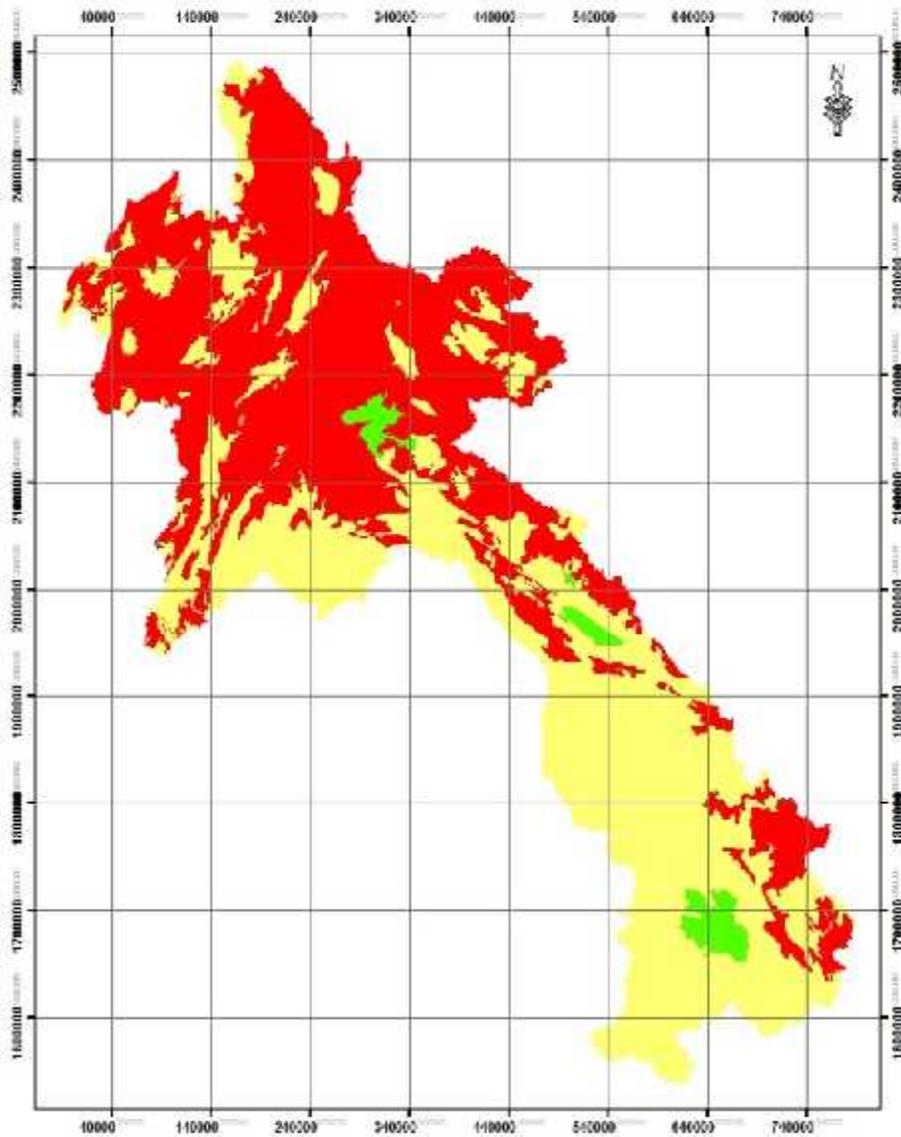
Coordination with research institutes (NAFRI and others) and MONRE and also use local knowledge and disaster history

Incorporate DRR issues in its manuals and, publicizing information related to the management and development of agricultural lands

Use services of officials already trained in GIS training organized under the project

Take support form CBDRM planning process developed under the project

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Agricultural land is allocated by basing on the geographical characteristic of 3 main Agro-Ecological Zones :



**1. Lowland (Plain area)**

- 7 major plain,
- 16 Middle plain,
- 12 mountainous plain and
- Other flat land



**2. 3 Plateau area**

- Xiengkhouang,
- Nakai,
- Bolivene,

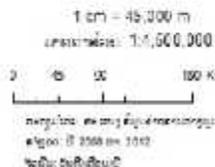


**3. Sloping land/ Mountainous area**

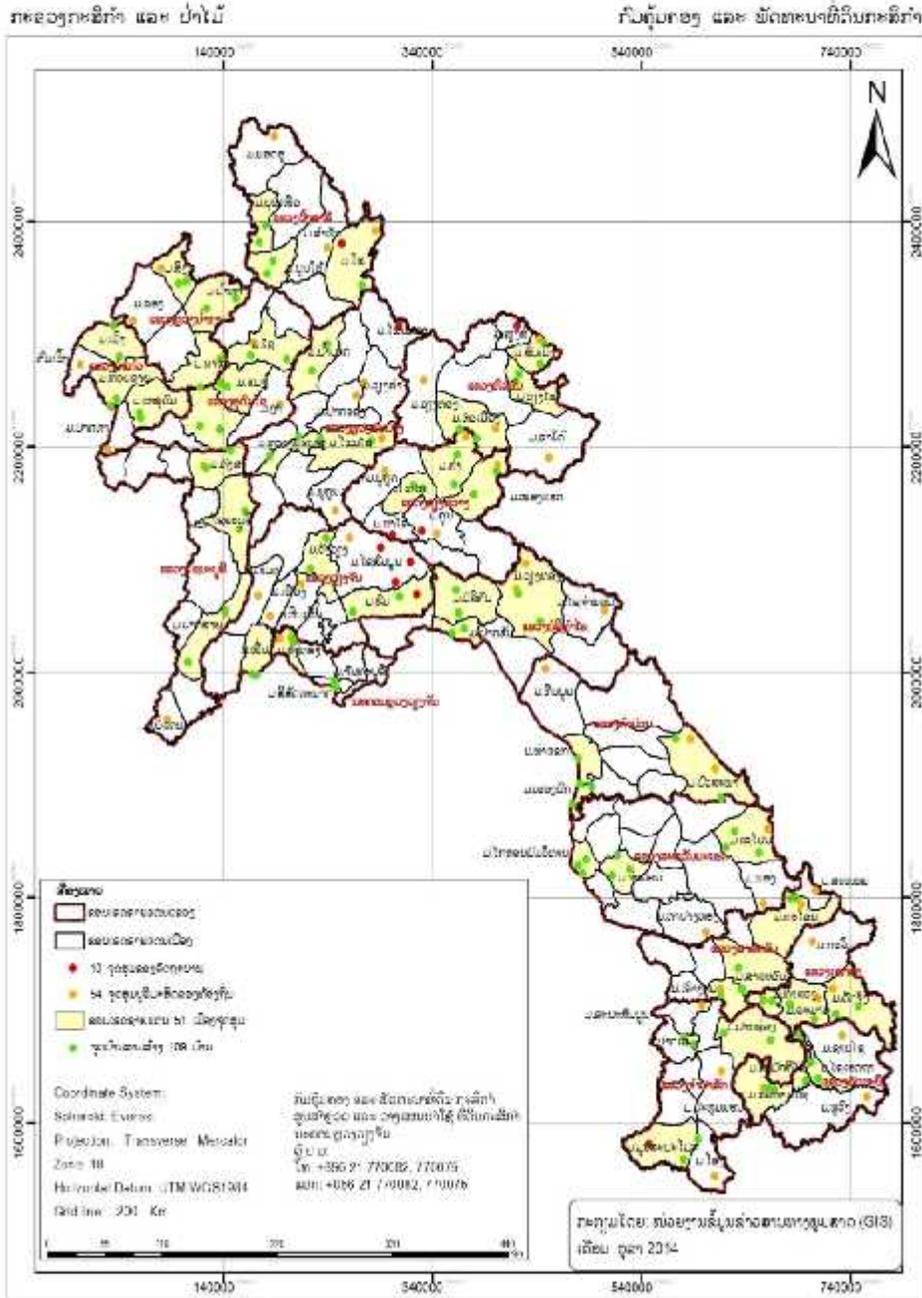
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Coordinate System:  
 Spheroid: Everest  
 Projection: Transverse Mercator  
 Zone: 48  
 Meridian: Datum: UTM WGS84  
 Scale: 1:100,000

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