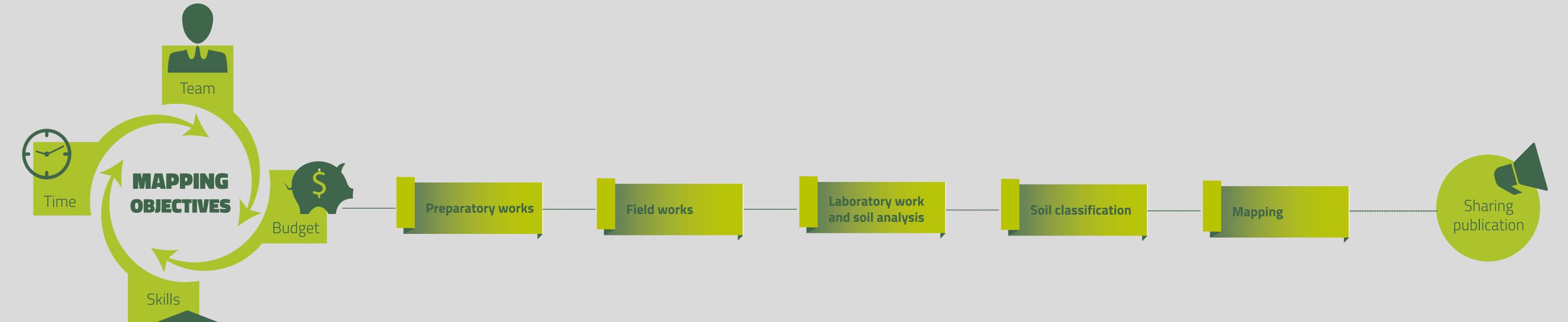


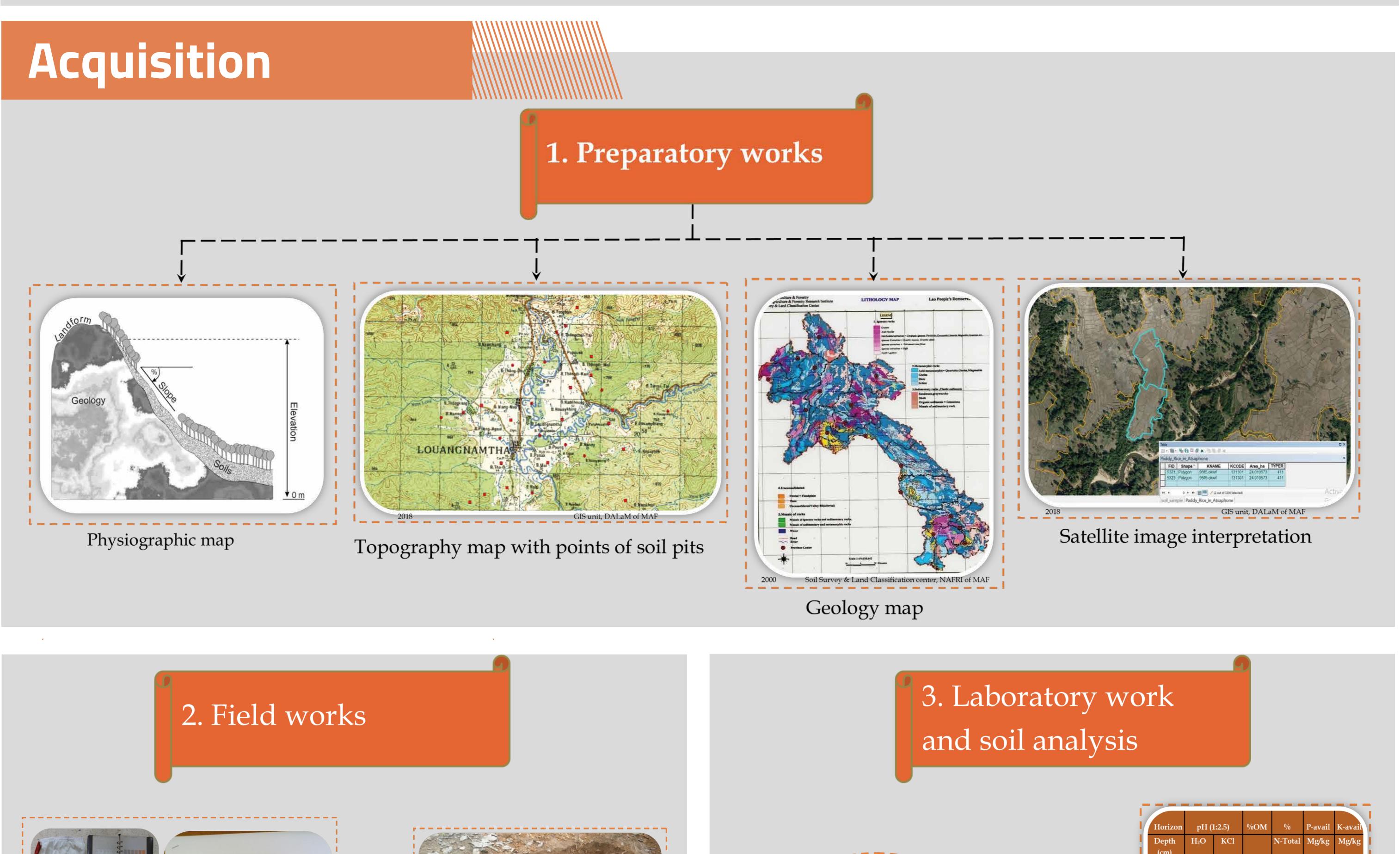
Food and Agriculture Organization of the United Nations

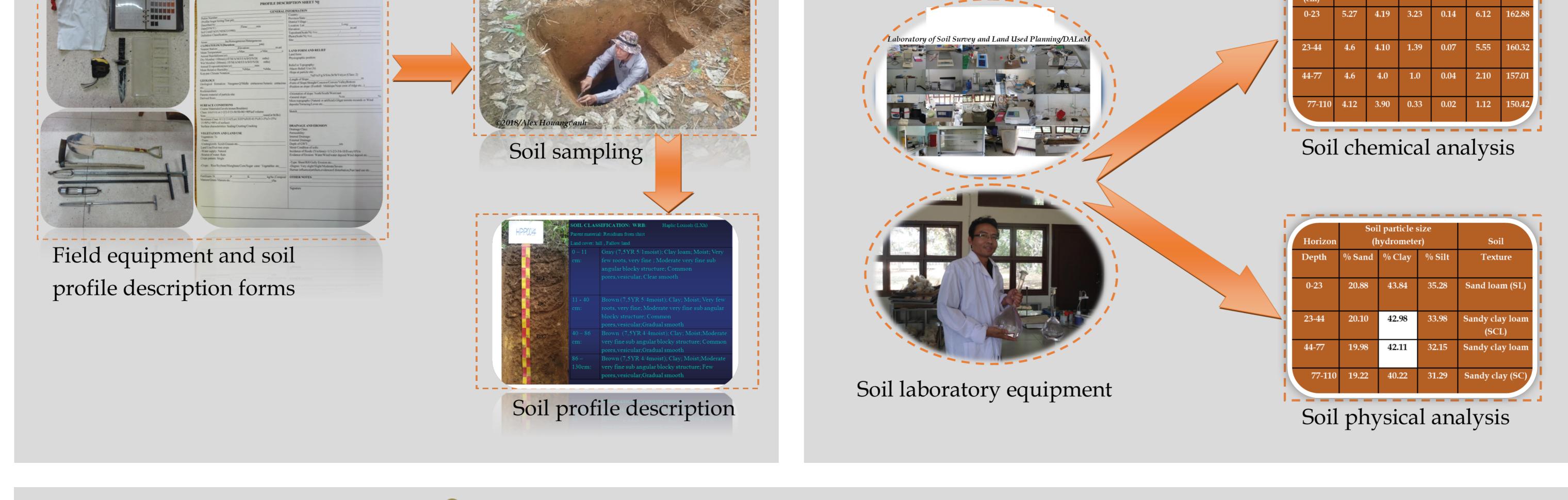
## Soil Mapping in the Lao PDR

## **Production Chain**









P-avail K-avai

5.55 160.32

Soil

Texture

Sand loam (SL)

Sandy clay loam

(SCL)

157.01

150.42

N-Total Mg/kg Mg/kg

2.10

1.12

0.07

0.04

0.02

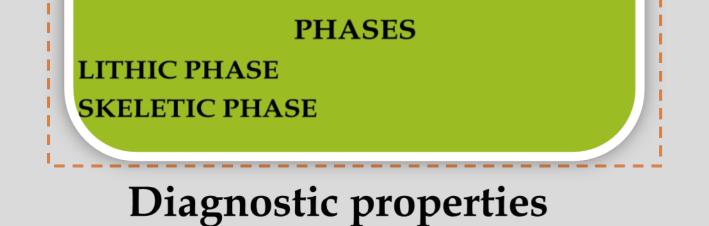
35.28

33.98

4. Soil classification

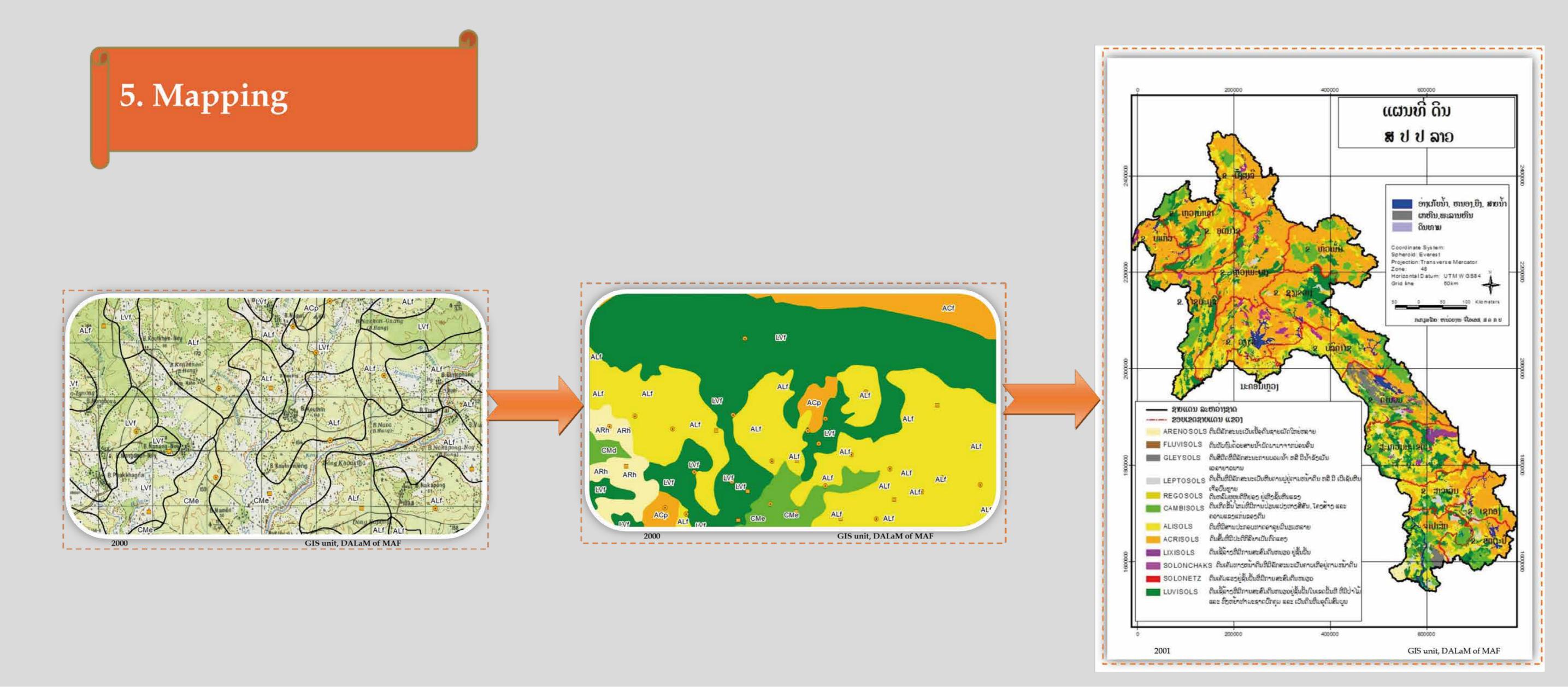
**Diagnostic horizons** %OM Horizon pH (1:2.5) H<sub>2</sub>O KCl Depth (cm) **MOLLIC A HORIZON** 0-23 5.27 4.19 3.23 0.14 6.12 162.88 **UMBRIC A HORIZON** 23-44 4.10 1.39 4.6 **ARGIC B HORIZON CAMBIC B HORIZON** 44-77 4.6 1.0 4.0 FERRALIC B HORIZON 4.12 3.90 0.33 77-110 Soil particle size **Diagnostic properties** Horizon (hydrometer) % Sand % Clay % Silt Depth FERRALIC PROPERTIES 20.88 43.84 0-23 FERRIC PROPERTIES **FULVIC PROPERTIES** 20.10 42.98 23-44 **GLEYLIC AND STAGNIC PROPERTIES** 

Soil group	Soil unit	Sub soil unit	
FLUVIOLS	Eutric FLUVIOLS	Hapli-Eutric FLUVIOLS	
CAMBISOLS	Dystric CAMBISOLS	Areni-Dystric CAMBISOLS	
	Eutric CAMBISOLS	Hapli-Eutric CAMBISOLS	
ALISOLS	Hyperdystric ALISOLS	Hapli-Hyperdystric ALISOLS	
	Humi-skeletic ALISOLS	Humi-Hkeletic ALISOLS	
	Haplic ALISOLS	Profondi-Haplic ALISOLS	
LIXISOLS	Veti-haplic LIXISOLS	Veti-haplic LIXISOLS	
	Hapli-stagnic LIXISOLS	Hapli-stagnic LIXISOLS	
	Humi-haplic LIXISOLS	Humi-haplic LIXISOLS	
	Profondi-haplic LIXISOLS	Profondi-haplic LIXISOLS	
LUVISOLS	Haplic LUVISOLS	Humi-Haplic LUVISOLS	
	Skeletic LUVISOLS	Humi-Skeletic LUVISOLS	
		Profondi-haplic LUVISOLS	
ACRISOLS	Hyperdystric ACRISOLS	Hapli-Hyperdystric ACRISOLS	
	Skeletic ACRISOLS	Hapli-Hkeletic ACRISOLS	
	Plinthic ACRISOLS	Skeleti-Plinthic ACRISOLS	
	Haplic ACRISOLS	Rhodi-Haplic ACRISOLS	



44	L-77	19.98	42.11	32.15	Sandy clay loam
	77-110	19.22	40.22	31.29	Sandy clay (SC)

Soil physical-chemical properties





The activity is implemented by the project Strengthening agro-climatic monitoring and information systems (SAMIS) to improve adaptation to climate change and food security in Lao PDR through GEF financing.

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