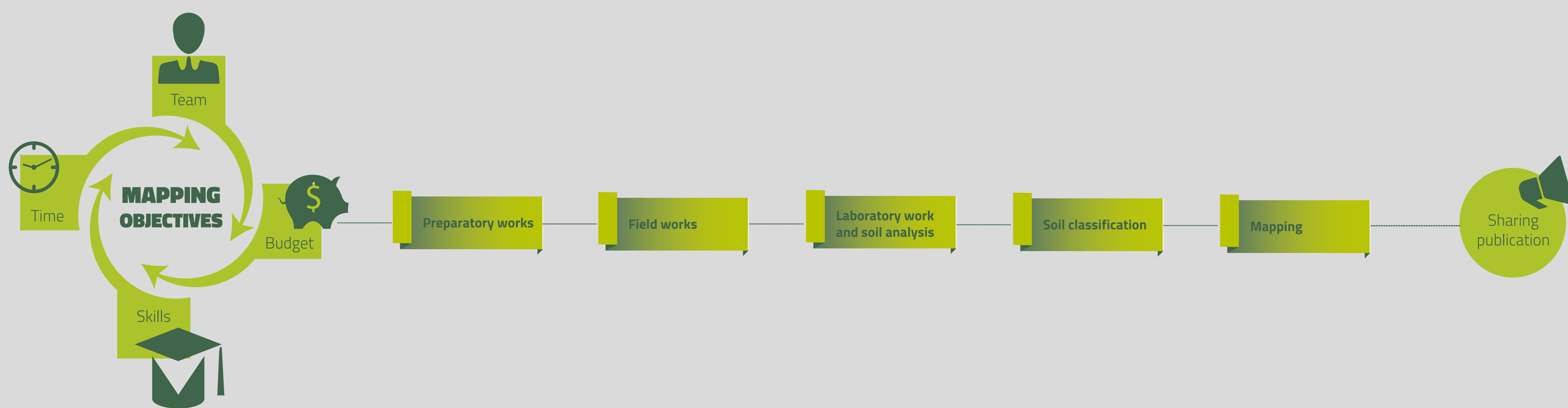




SAMIS

Soil Mapping in the Lao PDR

Production Chain



Acquisition

1. Preparatory works

2. Field works

3. Laboratory work and soil analysis

Horizon	pH (1:2.5)	%OM	% P-avail	K-avail
0-23	5.27	4.19	3.23	0.14
23-44	4.6	4.10	1.39	0.07
44-77	4.6	4.0	1.0	0.04
77-110	4.12	3.90	0.33	0.02

Horizon	% Sand	% Clay	% Silt	Soil texture
0-23	20.88	43.84	35.28	Sand loam (SL)
23-44	20.10	42.98	33.98	Sandy clay loam (SCL)
44-77	19.98	42.11	32.15	Sandy clay loam
77-110	19.22	40.22	31.29	Sandy clay (SC)

4. Soil classification

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-skeletal ALISOLS	Humi-Hapletic 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
	Skeletal LUVISOLS	Humi-Skeletal LUVISOLS
ACRISOLS	Hyperdystric ACRISOLS	Hapli-Hyperdystric ACRISOLS
	Skeletal ACRISOLS	Hapli-Hapletic ACRISOLS
	Plinthic ACRISOLS	Skeleti-Plinthic ACRISOLS
	Haplic ACRISOLS	Rhodi-Haplic ACRISOLS

5. Mapping

