



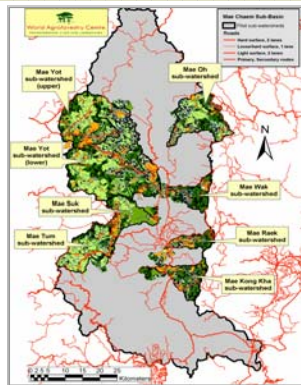
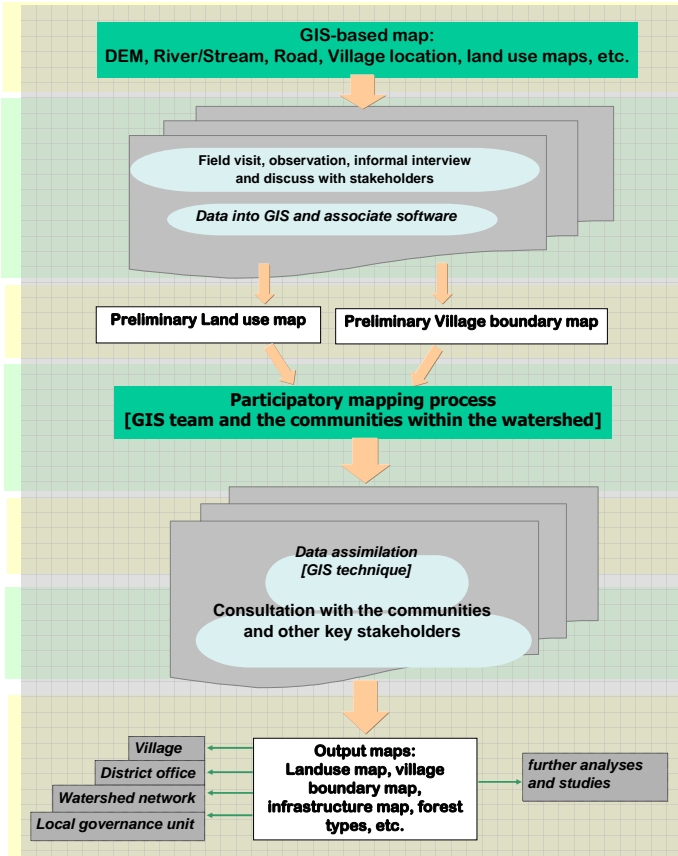
Pornwilai Saiphothong, David Thomas, Anantika Ratnamhin and Theerasak Sangsrichan

Correspondence: Pornwilai Saiphothong (p.saiphothong@icraf-cm.org)

Between 1960 and 1990, agriculture area in Thailand has doubled while the area of forest cover has reduced more than half. This trend, faced by all Southeast Asian nations, poses serious questions about land use allocation. People need to plan how to use their limited land. Various Tools and knowledge have been developed to solve this problem and mapping has been recognized as a simple, easy and straightforward universal language for bringing together stakeholders.

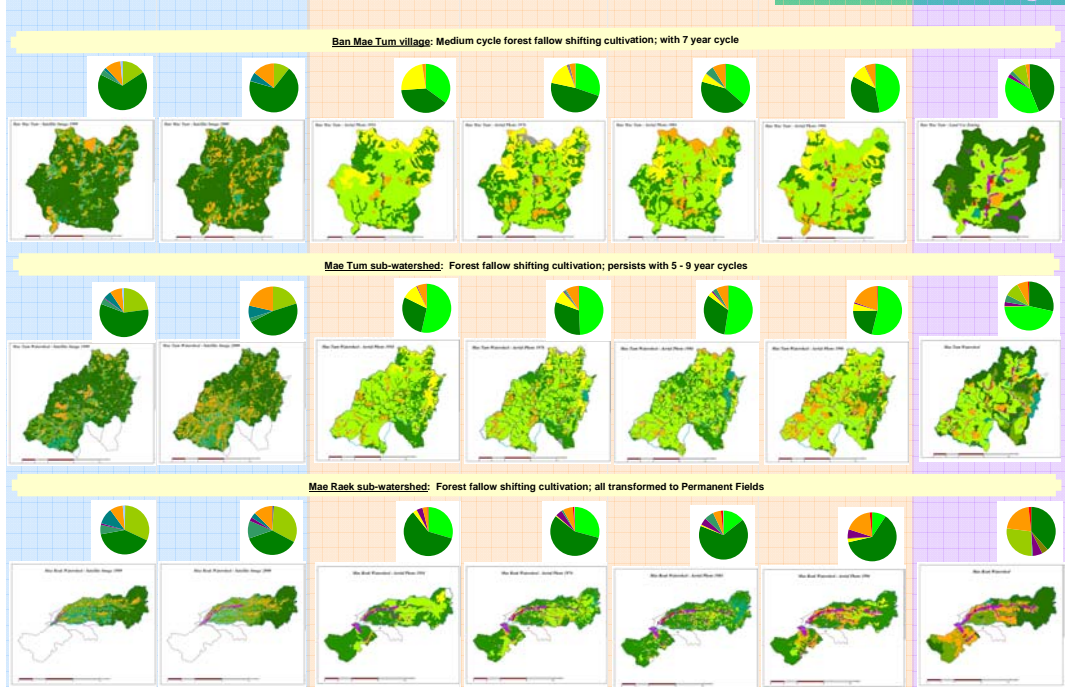
The following are the steps for making a community map. This protocol is based on our experiences in the remote area in Northern Thailand including ethnic minority groups of Karen, Hmong, Lua and Northern Thai. This protocol can be adapted and developed for other situations in other areas depending on the objectives.

Methodology of a participatory mapping to link local and expert knowledge



The output maps will help local people to solve their problems related to conflicts associated with land use both within the village and among the villages. It can reduce misunderstanding and enable villagers to have common names for places and common terms for land use practice on the map. Moreover, this map can be used by the community, watershed networks and outsiders as a tool for land use management and as a reference.

Understanding & Clarifying Historical Land Use Change



Matching Village Categories with Land Use Monitoring Tools

Aggregate satellite data categories	Aggregate airphoto categories	Aggregate local categories
Forest Areas Hill evergreen forest Pine forest Dry deciduous forest Mix deciduous forest	Forest Areas Planted + Other Forest plantation Forest Disturbed forest	Forest Areas Planted + Other Forest without further designation Government forest plantings Village forest rehabilitation areas Community Protected Community protected forest Birth open forest groves Cemetery forest groves Other spiritual groves Subsistence Use Community subsistence use forest Community forest Food bank forest
Other Uncultivated Areas Fallow Young fallow Old fallow	Other Uncultivated Areas Fallow Young fallow Old fallow	Other Uncultivated Areas Fallow Regenerating forest fallow areas
Cultivated Fields Upland fields Field crop Bare soil	Cultivated Fields Orchards Fruit trees Upland fields Upland crop fields Upland vegetables Bare soil	Cultivated Fields Orchards Fruit tree gardens and orchards Upland fields Current cultivated field crop areas Specific upland vegetable areas
Paddy fields Bundled paddy field (Dry season) Cash crop?	Paddy fields Bundled paddy fields	Paddy fields Bundled paddy fields
Settlement Areas Urban	Settlement Areas Village house areas	Settlement Areas Village urban housing areas
Other Cloud Water	Other Cloud/Unknown Water	Other Areas of mining operations Water