

Case Studies & Diagnostic Models of the Inter-annual Dynamics of Deforestation in Southeast Asia

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- Determine inter-annual deforestation dynamics in Southeast Asia; building a regional perspective from case studies
- Develop diagnostic models of the deforestation process to quantify the significant socio-economic drivers
- Use Landsat imagery for land cover/land use change detection at four study sites (located in Thailand, Indonesia, Malaysia, Philippines)
- Collect field and socio-economic data for a two-date probability model for each site
- Analyze and synthesize data, develop models
- Area of deforestation in Northern Thailand increased by 36% from 1980-90; decreased in 90s
- Annual deforestation rates are highly variable
- Agricultural expansion is the main driver of deforestation in Chiang Mai, Thailand
- Domestic agricultural/logging reform
- Local economic/employment
- Regional carbon emissions forecast-Kyoto protocol

Regional forest cover in Southeast Asia

