Case Studies & Diagnostic Models of the Inter-annual Dynamics of Deforestation in Southeast Asia P.I. David Skole, Michigan State University

•Determine inter-annual deforestation dynamics in Southeas Asia; building a regional perspective from case studies

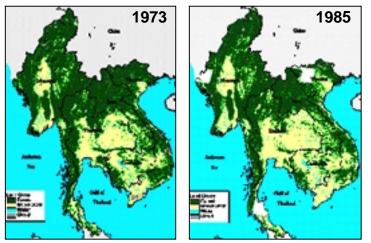
• Develop diagnostic models of the deforestation process to quantify the significant socio-economic drivers

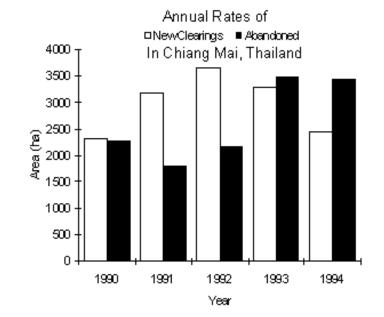
•Use Landsat imagery for land cover/land use change detection at four study sites (located in Thailand, Indonesia, Malaysia, Philippines)
•Collect field and socio-economic data for a twodate probability model for each site
•Analyze and synthesize data, develop models

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





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