

# FOREST CHANGE DETECTION USING REMOTE SENSING AND GIS IN SAVANNAKHET PROVINCE LAO PDR

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**ABSTRACT:** Savannakhet Province is rich of forest resources, rich of biodiversity such as local animal and wildlife. Currently, the Socio-economic development is rapid development. Forest degradation is happening in the province. Remotely sensed data provides the updated information on the change. The present study focuses on the remote sensing and geographic information system (GIS) in assessment of change in forest cover, between 2000 and 2010, in Savannakhet province Lao PDR. LANDSAT data in 2000 and ALOS-AVNIR2 data in 2010 were used to produce the land use, forest and its changes. The field verification was conducted to verify the interpretation, to inventory the community plant and sub-community of forest types. Finding results are needed to enable informed decision-making and contribute to the Environmental Action Plan of Savannakhet Province.