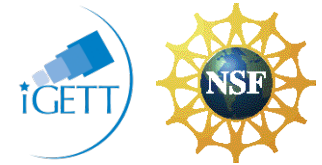# Investigating Tsunami Damage in Southeast Asia

Topic: Natural disasters, environmental management

Problem Statement: How can GIS and remote sensing be used to evaluate tsunami damage ?

Level: Introductory

Software: ArcGIS, ENVI

Description: This Learning Unit uses data sets, remote sensing, and GIS to assess the devastation caused by a Tsunami. Students carry out an analysis and build a model based on a specific event. An optional independent project can be added whereby students use similar methods to assess the damage caused by a different natural disaster in another location.

Keywords: NDVI, GIS, ENVI, disaster, tsunami, Spatial Analyst, ModelBuilder

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