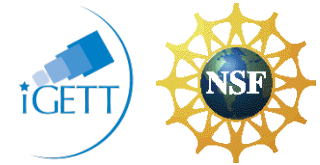# Classifying Wildfires in Southwestern United States

Topic: Natural resource management

Problem Statement: How can remote sensing help classify a large burn area in a wilderness region of the southwestern United States?

Level: Beginner

Software: ArcGIS, ERDAS

Description: The goal of this Learning Unit is to help students develop skills related to selecting and obtaining Landsat imagery from the GLOVIS website. Additional tasks emphasize learning about and identifying appropriate geospatial tools and resources available for working with remotely sensed images. The context is classification of an area burned by wildfire in the southwestern United States. Emphasis is on the decision-making process leading up to the development of a final product, as well as on specific software applications.

Key words: Burn recovery, image processing, image enhancement, supervised classification, GIS integration

Two Part Module:
- Working with Landsat Data
- Supervised Classification of Two Landsat images

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