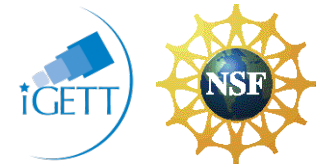# Quantifying Areas in Cultivation in Maricopa County, New Mexico

Topic: Agriculture, urbanization

Problem Statement: Planning for urban development in Maricopa County, Arizona requires accurate information about areas in cultivation.

Level: Basic

Software: ENVI, ArcGIS

Description: This Learning Unit uses ENVI software to extract cultivated lands for Maricopa County from Landsat 7 imagery. Students use an interactive Web mapping site to compare their results with reality and examine recent changes in land use. They then use ArcGIS to clip the result and provide maps and data for the South Mountain Village Planning Committee.

Keywords: Supervised Classification, Clip, Georeferencing

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