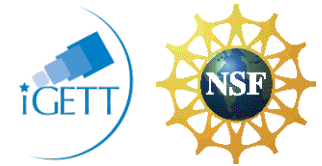


Analyzing Crop Development Patterns in Illinois



Topic: Impacts of climate change on agriculture

Problem Statement: East-central Illinois has some of the most fertile soils in the world. Will agriculture in this area be adversely affected by regional climate change?

Level: Intermediate

Software: ArcGIS, Spatial and 3D Analyst

Description: Soil fertility is related to issues like soil type, slope, precipitation, temperature, and pest management practices, some of which are affected by climate change. This learning unit uses remote sensing data to assess how regional climate shifts influence crop development calendars in the region.

Keywords: Growing Season Analysis , soil fertility, climate change, ArcGIS, Spatial Analyst, 3D Analyst

