GIS for Human Terrain Analysis

3-Day Workshop

This 3-day workshop aims to teach utilization of GIS for the purpose of Human Terrain mapping. This is a growing area of study with both national security and commercial applications. Its major goal is to facilitate modeling, representation, simulation and anticipation of behaviors and activities of both individuals and the organizations to which they belong over a physical space and in a spatial context.

WHO SHOULD ATTEND
> Computer scientists and engineers
> Geographers and cartographers
> Planners and environmental scientists
> Application specialists
> People interested in changing careers
> Law enforcement officers and administrators
> Crime analysts and coordinators
> Database and system administrators
> EMS and first response professionals
> Public health administrators
> Intelligence Analysts
> Geospatial Intelligence Analysts
> Social Scientists

Topics Covered
Module 1: Foundations of GIS
Introduction to ArcGIS
Introduction to geographic data
Introduction to spatial query (SQL)
Working with layers in ArcGIS
Creating maps layout
Creating maps without using a map template
Introduction to geo-database
Run a geoprocessing Tool

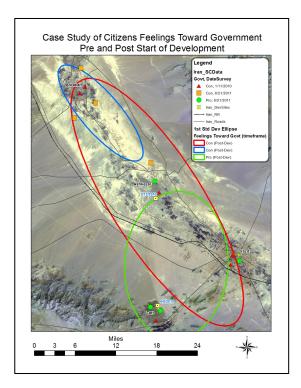**Module 2: Creating and Developing Data**
Import tabular data from other software
Simple heads-up digitizing
Point and stream mode digitizing
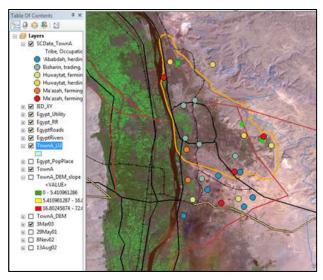Simple heads-up digitizing of an area feature
Add x,y data from GPS to a map

Module 3: Case Studies
Case Study1: Crime Analysis
Case Study 2: Analysis of IED explosion risks on Youth
Case Study 3: Evaluation of IED Assistance
Case Study 4: Analyze Effects of Development
Case Study 5: Investigate Nomadic Mobility

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