

## **Mapping and Visualization: Working with temporal data**

### **Goals of the workshop:**

- Explain concepts related to time and GIS
- Explain how time information is stored and managed in ArcGIS
- Concepts related to temporal mapping
- Explain how to visualize and share temporal data in ArcGIS 10

### **Major topics covered:**

- Understanding key concepts of Time in ArcGIS: Different ways to measure and model time, Calendar measurement and indexed measurement of time, Cyclical and non-cyclical storage of time information, Common patterns used with temporal GIS
- Temporal mapping: Key concepts of visualizing temporal data in ArcGIS, Configuring time properties on the layer, Using the Time Slider to visualize temporal data, When to use Time Animations, Using Tracking Analyst for advanced track visualization and analysis
- Sharing temporal maps: Key concepts of publishing and sharing temporal maps, Using the web APIs to consume time-aware map services
- Storing and managing temporal data: Ways to store and model temporal data for use in ArcGIS, Supported time formats, Supported temporal data formats, Working with data captured in different time zones.
- Best practices for working with spatio-temporal data in ArcGIS