

Data Interoperability—An Introduction

Goals of the workshop

- Explain the Data Interoperability extension and its capabilities.
- Work with the extended format support in ArcGIS Desktop.
- Work with the data translation tools in the geoprocessing framework.
- Describe Spatial extraction, transformation, loading (ETL).
- Explain how Spatial ETL processes are built using the Workbench application.

Topics covered

- Added format support: Support for 85+ formats added to ArcGIS; managing data in ArcCatalog; use of formats for visualization and analysis.
- Data Interoperability tools: Automated data translation tools; Quick Import and Quick Export tools; Convert data and results to many formats.
- Geoprocessing integration: Use of added format support in core geoprocessing tools; build interoperability into models and scripts.
- Spatial ETL: Maintain data integrity during complex translations; data migration; data distribution.
- Workbench application: Graphically create dataflow for Spatial ETL process; includes extracting from source data to destination.
- Custom formats: Create your own custom view of data sources; no data conversion; on-the-fly Spatial ETL; define once and use many times.
- ArcGIS Server: Access Data Interoperability functionality from ArcGIS Server; geoprocessing services that include Data Interoperability tools.
- Clip, Zip, and Ship: Core framework to build Clip, Zip, Ship functionality; use Quick Export or Spatial ETL to extend data distribution capabilities.