

## FME Desktop

**Course length: 2 days**

### Pre-requisites:

Knowledge of different GIS data formats

### Topics covered:

#### Introduction to FME and Data Translation

- Introduction to Interoperability
- FME Software Components
- Introduction to the FME Workbench
- Introduction to the FME Universal Translator
- Setting up a translation

#### Data Inspection

- Introduction to the FME Universal Viewer
- Geometry Types
- How data sets are interpreted by FME

#### Data Transformation

- Schema concepts and schema mapping
- Using Transformers to manipulate data
- Coordinate System Transformation
- Data Inspection with FME Workbench

#### Format Translations

- Formats and Geometries
- Formats and Attributes
- Published Parameters
- Advanced Format Controls
- Semantic Transformations

#### Working with Readers and Writers

- Working with Datasets and Feature Types
- Editing Existing Workspaces
- Multiple Dataset Translations
  - Working with multiple data sources and destinations
- Dynamic Translations

#### Practical Transformer Use

- Finding and Placing Transformers
- Conditional Filtering
- Customizing Workbench
- Basic Custom Transformers
- Common Tasks Using Transformers

### **Best Practice**

- An FME Workspace Style Guide
- The Flow of Features
- Annotations, Bookmarks, Custom Transformers, Published Parameters
- Efficient Workbench use
- Format and Transformer Best Practice
- Debugging Best Practice

### **Multipurpose Workspaces**

- Introduction to Multipurpose Workspaces
- Multipurpose Parameters
- Multipurpose Formats, Feature Types, Attributes
- Dynamic Translations