LAGENSPATIAL
Positioning Your Business

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FME 3 Day User Course

Learning Objectives:

- Build complex translations using FME Workbench
- View and inspect data using the FME Viewer
- Apply best practices to large workspaces
- Manipulate data geometry and attributes with transformers
- Work with multiple datasets in a single workspace
- Create low-maintenance, reusable workspaces

Course Outline:

Day 1

Data Translation Basics

- Interoperability and Barriers to Interoperability
- What is FME
- FME Editions and Licencing
- FME Desktop components
- Introduction to FME Workbench
- Setting up a Translation
- Introduction to the FME Universal Translator

Data Inspection

- What is Data Inspection?
- Introduction to the FME Universal Viewer
- Using the FME Universal Viewer
- Types of Geometry
- Display Control
- Miscellaneous Viewer Functionality
- Raster Data and the FME Viewer
- Translation Previews

Data Transformation

- Data Transformation
- Schema Concepts
- Schema Editing
- Schema Mapping

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- Geometric Transformation
- Attribute Transformation
- Transformation Using Transformers
- Transformers Used in Series
- Data Inspection with FME Workbench
- Quick Connect
- Transformers used in Parallel
- Transformers Drag-and-Insert
- Group and Feature Based Transformation
- Coordinate System Transformation

Day 2

Format Translations

- FME and Data Formats
- Important FME Terminology
- Controlling Translations
- Workspace Settings
- Read and Write Parameters
- Published Parameters
- Format Attributes
- Advanced Format Controls
- Semantic Translations

Working with Data Sets and Feature Types

- Multiple Data Sets Translations
- Multiple Source Data Sets
- Selecting Multiple Data Sources
- Editing Existing Workspaces
- Dealing with Source Feature Types
- Multiple Readers and Writers
- Dealing with Destination Feature Types
- Feature Type Manipulation
- Schema Mapping Transformers
- Workbench Schema Mapping Functionality

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Day 3

Practical Transformer Use

- More Transformer Concepts
- Locating Transformers
- Using Transformers
- Transformer and Stream Interaction
- Customising Workbench
- Basic Custom Transformers
- Common Tasks using Transformers

FME Best Practice

- What is Best Practice?
- Annotating Workspaces
- Bookmarks
- Testing Large Workspaces
- FME Options
- Format and Transformer Default
- Debugging Best Practice
- Project Based use of FME
- Poor (but sometimes necessary) Practice

Generic Workspaces

- Generic Formats
- Generic Layers
- Data Fanouts
- Batch Processing Fanouts
- Generic Attributes
- Generic Workspace Use Cases