

Introduction to FME Desktop Training

Course Description

Duration: 2 days; 9:15am - 5:00pm.
Prerequisites: Knowledge of GIS principles.

COURSE OVERVIEW

Let our experts and professional training help you to use the potential of FME. Unlock the powerful features of FME technology to manage your data translation and transformation challenges more effectively.

This course provides an introduction to FME Desktop, intended for new users of FME or users who wish to refresh their skills. There are no prerequisites for this course except the knowledge of GIS principles.

Learning objectives:

- Build both simple and complex translations using FME Workbench.
- Visualise and inspect data using the FME Data Inspector.
- 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.

MODULES

Welcome to Miso

- Course overview, resources and amenities.
- FME version and training data.

Data Translation Basics

Introduction to the FME tools and simple translations:

- What is FME?
- FME editions and licensing.
- FME Desktop components.
- Translation previews.
- Introduction to FME Data Inspector.
- Introduction to FME Workbench.
- Setting up a translation.

Data Transformation

Concepts of scheme mapping, appropriate transformer use and transformer capabilities:

- What is Data Transformation?
- Schema concepts, editing and mapping.
- Geometric transformation.
- Attribute transformation.
- Transformation using Transformers.
- Transformers used in series.
- Transformers used in parallel.
- Group and feature based transformation.
- Coordinate system transformation.

FME Best Practice

How to enable Workspaces to be used and managed efficiently:

- What is best practice?
- Workspace style.
- Workbench methodology.
- Debugging best practice.
- Project based use of FME.

Readers and Writers

This session explains and demonstrates key terminology and hierarchical relationships of FME:

- Key components.
- Workspaces.
- Readers and Writers.
- Dataset parameters.
- Feature types.
- Feature type parameters.
- Managing multiple data sources and outputs.
- Handling unexpected input.

Practical Transformer Use

Consolidate your Transformer knowledge and learn to love the Transformer gallery!

- Finding and placing transformers.
- Most valuable transformers.
- Conditional filtering.
- Managing attributes.
- Data joins.

Exercises

A number of practice exercises are included through the course to reinforce learning. They may include some of the following:

- Workspace creation and quick translation.
- Data visualisation and inspection.
- Data restructuring, data transformation and data reprojection.
- Schema editing and schema mapping.
- Translation debugging techniques.
- ... plus many more!