Achieve Harmonization with INSPIRE

Agencies across Europe are working hard to prepare their data for contribution to the INSPIRE SDI. However, meeting prescribed data modelling and service requirements isn't easy.
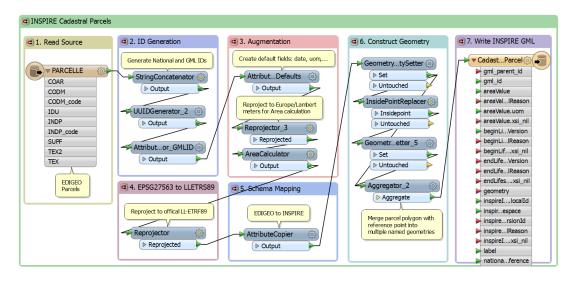
FME's data integration platform offers a full range of tools that support INSPIRE GML and OGC® services. FME® simplifies the task of overcoming harmonization challenges, bridges the gaps between open standards and proprietary systems, while offering solutions for leveraging these new SDI resources with value added services.

Easily Prepare Data for Contribution

Meet INSPIRE's data model requirements with a simplified approach in an intuitive graphical environment. FME enables efficient schema mapping from hundreds of source formats. FME's new schema based INSPIRE GML writer allows the generation of compliant results without the need for a technical knowledge of XML. All that is required is an understanding of the source data and the INSPIRE schema.

FME supports:

- 325+ formats for all data types including GIS, CAD, database, XML, raster, BIM, and more
- Unicode to handle data in any language
- Thousands of coordinate systems
- All INSPIRE Annex I, II & III spatial data themes: transportation, DEMs, hazards, and buildings
- All required geometry types: vector, raster, 3D, and point clouds
- Automated, self-documented, repeatable workflows
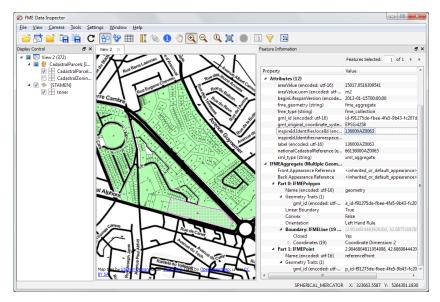- Scalability and performance to meet increasing enterprise and public access demands

FME makes it possible to:

- Efficiently perform schema mapping
- Easily achieve INSPIRE's data model requirements
- Harmonize your data without a technical knowledge of XML or GML

FME ensures that no matter what data model, source system, language or coordinate system your data is stored in, it can be quickly harmonised for contribution to the INSPIRE SDI.

Use FME's graphical interface to easily create self-documenting workflows that assemble data from all required sources, perform schema mapping, and convert your data into the required INSPIRE data model.
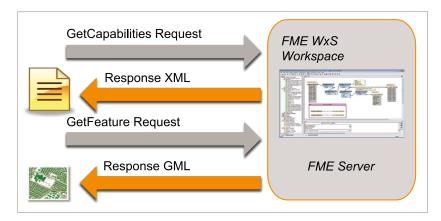
Leverage INSPIRE Data

Consume any INSPIRE data using FME's INSPIRE reader to transform GML data into the required format, model and coordinate system of any target application.

Read and transform INSPIRE GML. Here an INSPIRE dataset is being viewed in the FME Data Inspector prior to transformation.

Publish INSPIRE GML to OGC Web Services

Web services are a great way to share INSPIRE data. With FME, it is possible to create web services without coding. FME OGC web services are now hosted by publishing a service broker workspace to the data streaming service on FME Server. Instead of a workspace that only handles data conversion, the service broker workspace also handles the web message traffic – accepting requests and generating responses according to the chosen service standard. For WFS, this means the workspace accepts GET or POST requests and generates the appropriate response as XML or GML data streams. XML attribute filters and spatial queries are supported as well as the coordinate system of any target application.

FME Workspace as a Web Service Broker for WFS

Visit **www.safe.com/inspire** to learn more.