

Introduction

This 1 day introductory course is designed for GIS professionals and managers, data and systems architects and software engineers who need to understand the requirements of transforming and publishing data to conform to the requirements of the INSPIRE Implementing Rules. On completion of the course, attendees will have gained comprehensive knowledge of:

- Publishing data to INSPIRE harmonised data specifications
- Transforming and publishing data to conform to INSPIRE Implementing Rules
- Making data available via different types of INSPIRE Download Services
- Providing data & services into local, regional and national Spatial Data Infrastructures

Pre-requisites

No explicit pre-requisites are required for this course, although it is expected that attendees have a basic understanding of geographic information.

Prior knowledge of data transformation, XML/GML or web services is not a necessary pre-requisite for attendance.

Course Methods and Materials

The course will be delivered by using presentations and supporting demonstrations. There will be plenty of opportunity for questions and answers. Materials include hardcopies of course slides and notes and workshop material. All participants shall receive a certificate with CPD approval on completion of the course.

Costs

Cost per delegate for this 1 day course is £390 (excl VAT). This cost includes all materials, lunch and refreshments.

Further Information

For further information, please email: training@snowflakesoftware.com or call us on +44 (0) 23 80 238232.

Course Content

Introduction to INSPIRE

- What are the aims & objectives of INSPIRE?
- What are the benefits for data providers & users?
- How will INSPIRE work?
- Timescales for development of Implementing Rules and compliance to INSPIRE Directive

INSPIRE Data Specifications:

- Scope of INSPIRE Annex Themes
- Relationship between Implementing Rule and supporting guidelines (Data Specification)
- Development and Maintenance of the INSPIRE Data Specifications
- Content of Implementing Rules & Guidelines
 - Conceptual Application Schema & Encoding
 - Rules & best practices for achieving interoperability

Transforming Data into INSPIRE Data Specifications

- Transforming data into INSPIRE Data Specification:
 - Schema Transformation
 - Geographic Transformation
 - Language Transformation
 - Format Transformation
- Methods for transforming data:
 - Transformations performed by the data provider
 - Standalone Transformation Services
 - Client-Side Transformation

Making Data Accessible via INSPIRE Download Services

- Introduction to INSPIRE Download Services:
 - Simple Download Services
 - Advanced Download Services
 - Direct Access Services
- Practical options for implementing Download Services

Publishing Data and Services into SDIs

- Creating metadata and registering it with catalogue services
- Providing INSPIRE View Services
- Controlling access and use of data & services
 - Charging and licensing
 - Security and digital rights management