

Introduction

This 1 day course is designed for GIS professionals, software engineers, data modellers and managers who wish to understand GML, its role within OGC and ISO standards and the benefits it can bring to an organisation. On completion of the course, attendees will have gained background knowledge of:

- Core OGC Standards
- Core ISO TC211 Standards
- The GML Standard
- Building GML Application Schema
- Profiles
- GML in OGC-web services
- Examples of Adopted GML Application Schema

Prerequisites

Attendees should be familiar with the basic concepts of Geographical Information i.e. features, attributes and geometry.

Prior knowledge of XML, GML or any OGC standard is not a prerequisite of attendance

Course Methods and Materials

The course will be delivered by PowerPoint presentation and demonstrations. There will be plenty of opportunity for questions and answers.

Materials include hardcopies of course slides and notes, Internet link and useful GML references will all be provided

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

The OGC Standards Landscape

- What is GML?
- Who are the OGC?
- OGC Document Types
- OWS Standards
- The OGC Documents
- OGC and ISO TC211
- GML, XML & Application Schema

The GML Standard (with demonstration)

- The Feature/Property Model
- Geometry
- Feature Relationships
- Topology
- Other GML Components

Building Application Schema (with demonstration)

- Model driven architecture (UML -> GML)
- Advantages of MDA
- Example UML
- Example Schema
- Example GML

Profiles

- What are Profiles?
- Current OGC Profiles
- Simple Features Profile
- Profiles vs Application Schemas

GML in OGC web services (with demonstration)

- GML in Web Feature Services
- GML in Other OGC Web Services

Adopted GML Application Schema (with demonstration)

- OS MasterMap (UK)
- NEN3610 & Top10NL (Netherlands)
- NAS (Germany)

Combined Training Course

This course can be combined with the XML-Primer Course and / or the Hands-On GML Course offered by Snowflake Software. Combined, the modules provide a comprehensive education into XML / GML and practical applied experience in application schema.

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