

GEOTOOLKIT LIBRARY TRAINING

REF : Geotk

Aim Development training using the GeoAPI, SIS and GeotoolKit libraries.

Duration: 3 day
Registration Rights: 2000 Euros
Contact : formation@geomatys.com

Public Developer
Prerequisite Java, GIS concepts

Provisional Program

Day 1

Introducing the development environment:

- Installing/configuring the tools: Git, Maven, JDK, IDE, Libre-Office, IReport
- Explanation of the structure and project hierarchy
- Configuration and log system

Coordinate Systems

- CRS,CS,Datum, Axis
- EPSG Base
- WKT Format
- Transformations
- Integration with Open-Office
- Metadata
- Generic name and parameters

Processing image data

- Coverage
- GridCoverageBuilder
- Grid geometry
- Sample dimension and categories
- Views and reprojections
- CoverageStore
- CoverageReader and Writer



Day 2

Processing vector data

- JTS Geometry
- FeatureStore
- Feature and Feature Type
- Binding
- Filters and expressions
- CQL
- Sessions - creation and modification
- Queries

Maps and symbols

- Remote clients
- MapContext
- Symbols and style
- Render engine
- Map creation
- Glyph creation
- Creating legends
- Creating reports using IReport
- Render engine extensions
- Graphic object
- Graphic builder
- Map decoration
- Custom symbol editor

Day 3

Process Automation

- Process
- Quartz Integration
- Online command tool

Maps and symbols

- Swing Widgets
- JavaFX Widgets

Specific cases, practical exercises using real data

