Serving spatiotemporal data with GeoServer (GS4)

DURATION: 8 hours (2 sessions)

LEVEL: Advanced

TRAINER: Andrea Aime, Daniele Romagnoli, Simone Giannecchini

This training will provide detailed information on how to handle SpatioTemporal data, like Earth Observation or MetOc data, in GeoServer for serving with OGC Services, with a particular focus on WMS and WCS. Topics covered are the following:

- Common data formats and how to preprocess them for best serving
- How to configure vector data with time and elevation
- How to configure raster (Netcdf, Grib, etc..) data with time and elevation
- Dealing with custom dimensions, default values and their interaction in WMS
- Handling multidimensional data in WCS
- Automating ingestion and unloading of data to setup moving window publishing
- Expert tips for serving spatiotemporal data with OGC Services in GeoServer

PREREQUISITES

In order to participate basic knowledge of GeoServer is required as well as a basic knowledge of GIS concepts, geospatial data formats and OGC services.

ACCOMPLISHMENTS

At the end of the training the attendees will have extensive knowledge about ingesting, configuring and serving spatiotemporal data in GeoServer.

OTHER INFORMATION

GeoSolutions will make available an all-in-one package to run the workshop as a VM for VirtualBox or a self-contained Zip file for Windows. This should be pre-installed on attendees laptops before the workshop.

This is an **advanced** training, GS1-2a-2b-3 modules are recommended as a precondition.