

## Advanced Data Optimization for GeoServer (GS8)

**DURATION:** 8 hours (2 sessions)

**LEVEL:** Advanced

**TRAINER:** [Andrea Aime](#), [Nuno Oliveira](#)

This training will describe how to optimize vector and raster data for improving GeoServer performance, describing the most common techniques used for processing Image Mosaics, Image Pyramids and using advanced GDAL Utilities. In particular, the following topics will be covered:

- Main techniques for vector data optimization
- Main techniques for raster data optimization
- Advanced Mosaics and Pyramids Configuration
- Advanced Processing With GDAL Utilities

### PREREQUISITES

In order to participate basic knowledge of GeoServer, OGC services and general scopes of GDAL utilities. Technical guidelines is required: good knowledge of GIS concepts and basic data formats (shapefiles, geotiff) is also recommended.

### ACCOMPLISHMENTS

At the end of the training the attendees will have extensive knowledge about setting, processing and managing vector and raster data as well as leveraging GDAL utilities for optimizing the publishing 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.