

Gter srl usually provides two kind of training courses (in italian): QGIS basic usage and QGIS advanced usage. Both are usually carried out in three days (24 hours).

The **QGIS basic usage (from 16 h to 24 h)** course consists in:

- The basics of GIS
- Introduction to Numerical Cartography and Spatial Reference System (SRS)
- Introduction to Open Source Software and QGIS
 - installation procedures for different operating systems
 - introduction to the different versions of QGIS
 - user interface customization, configuration of the work environment; what's new in version 3.x (compared to 2.18 LTR)
 - SRS management
 - introduction to supported data formats, raster and vector, and their management in QGIS (import, export, styles, rendering, etc.)
- Introduction to the topic of QGIS plugins and their management (choice, research and installation)
- Description and usage of the main plugins
- OGC services (WMS - WFS - WCS) and how to access them from QGIS, loading of base maps (OSM, Google, Bing, ecc.) and data from the web
- Creation of shapefiles from tables (alphanumeric data) and through editing; spatial editing operations; advantages and limitations of the shapefile
- Analysis of other types of vector data: Gepackage, SpatiaLite and PostgreSQL / PostGIS
- Example of connection to PostgreSQL / PostGIS; import/export on DB; join between spatial and alphanumeric data
- Management of tables: queries, selections and filters based on attributes; table editing through expressions (Field Calculator); creation and modification of fields (widgets)
- Examples of data entry with forms and data visualisation
- Statistics and graphs about attributes
- Set up of project print layouts
- Print layout and layer style; labels and their manual and automatic positioning; use of the atlas print function