



# gvSIG

the free GNU/GPL-licensed Geographic Information System  
of the Generalitat de la Comunitat Valenciana



PROJECT PART-FINANCED  
BY THE EUROPEAN UNION  
EUROPEAN REGIONAL  
DEVELOPMENT FUND  
"A way to build Europe"

gvSIG is a **desktop tool oriented to manage geographic information**. It is characterized by a user-friendly interface, with a quick access to the most usual raster and vector formats. In the same view it includes local files as well as remote data through SDI standards, geographic databases, etc.

gvSIG can perform many different kinds of analysis with raster and vector data and with the addition of the SEXTANTE project, gvSIG gets as a really powerful and easily extensible geographic analysis framework.

gvSIG can also create layouts for maps and reports with the most common elements such as north arrows, scales and so on.

Formats supported in reading mode:

- Vector data: shp, gml, kml, dgn v7, dxf, dwg (2000, R14, R13 and R12)
- Raster: ecw, tiff, jpg, png, gif, MrSID, img, jpeg2000, bmp, dat (Envi), lan, gis, img (Erdas), pix, aux, (PCI Geomatics), adf (ESRI), mpr, mpl (Ilwis), map (PC Raster), asc

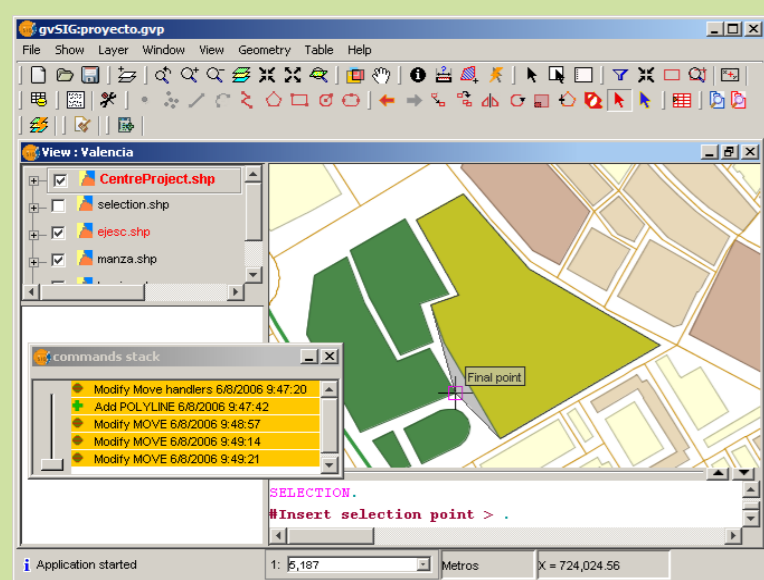
Formats supported in writing mode

- Vector data: shp, gml, kml, dxf, Postgis, Oracle Locator
- Raster: GeoTIFF, ECW (only in Linux kernel 2.4), JPEG, JPEG2000

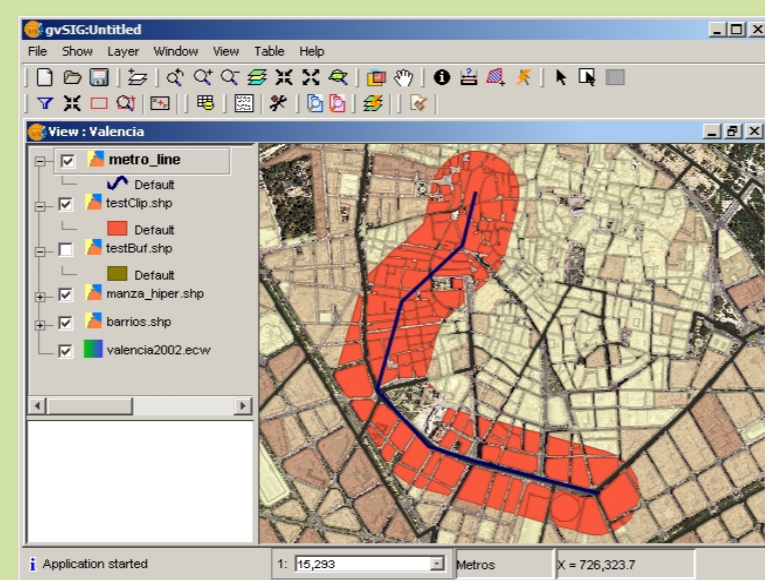
## Main characteristics

- Development language: Java
- Multiplatform: Windows, Linux, Mac
- Adheres to the guidelines of the European Union - Inspire.
- Free license (GNU/GPL).
- Modular, scalable, powerful.
- Simple interface: user friendly.
- International (spanish, polish, valencian, english, basque, gallego, french, italian, portuguese, german, czech, romanian and mandarin).

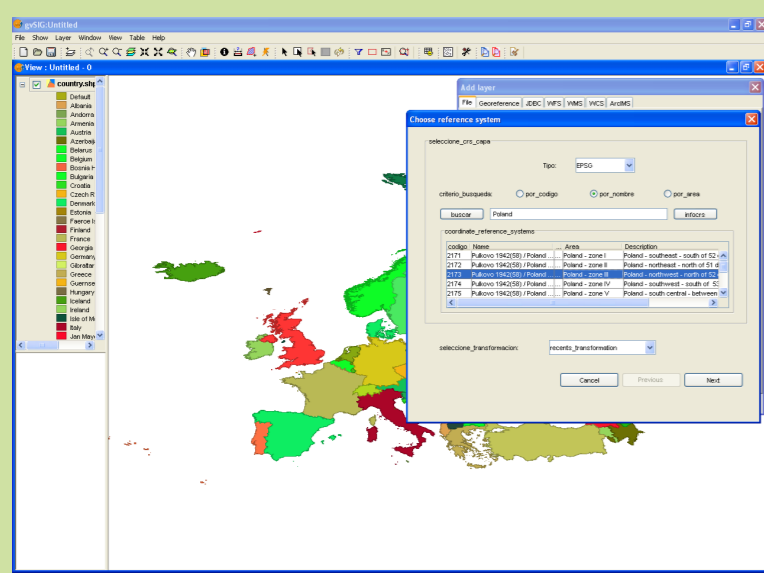
## GIS Client



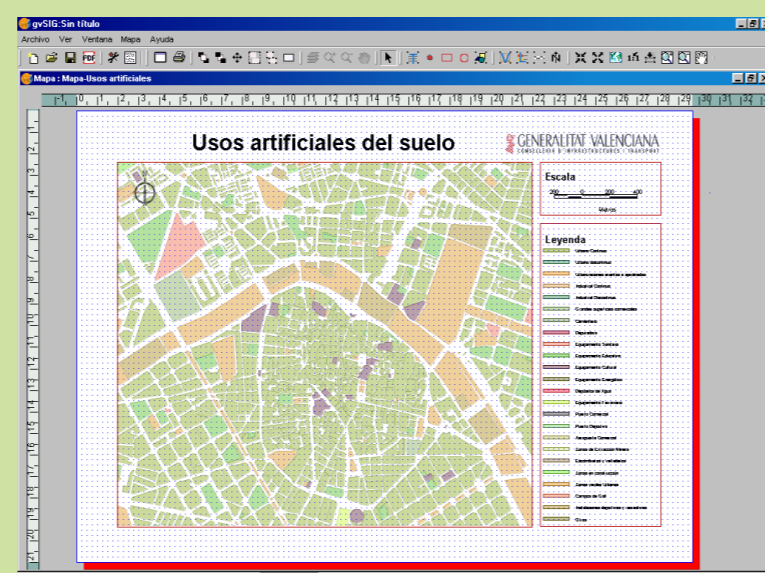
Edition



Geoprocessing



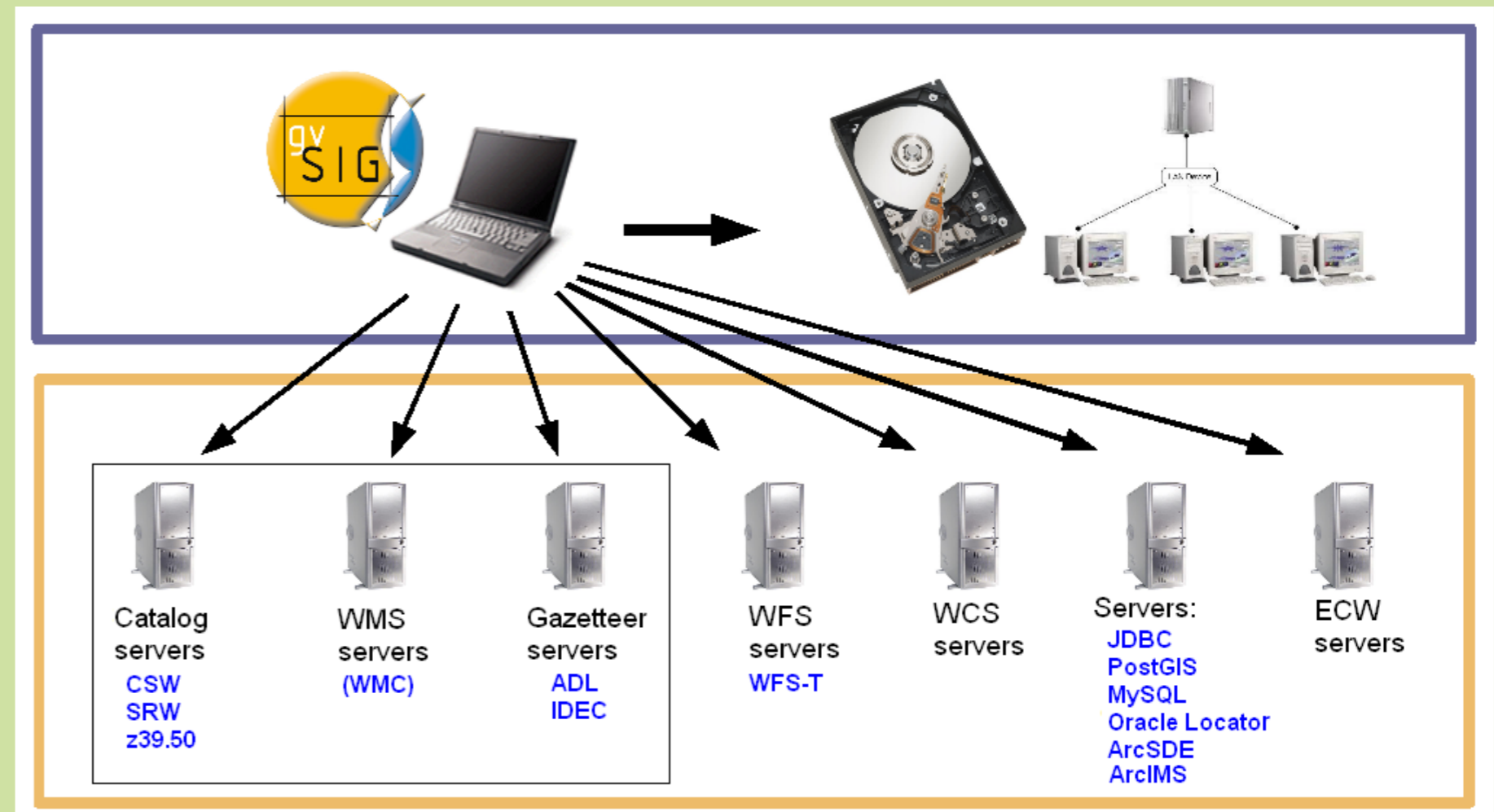
Reprojection



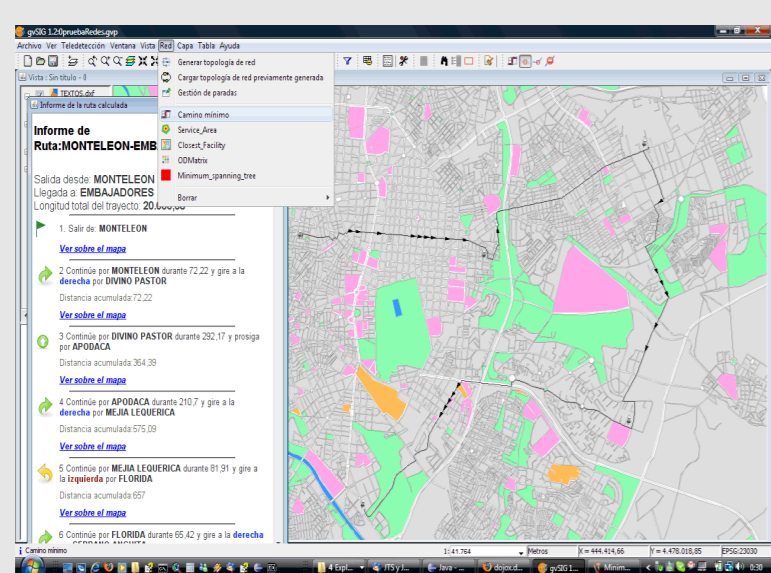
Map constructor

## SDI Client

- Display and query services (WMS, WCS, WFS and WFS-T servers)
- Searching services (Catalogue client)
- Location services (Gazetteer client)



## Advanced functionalities



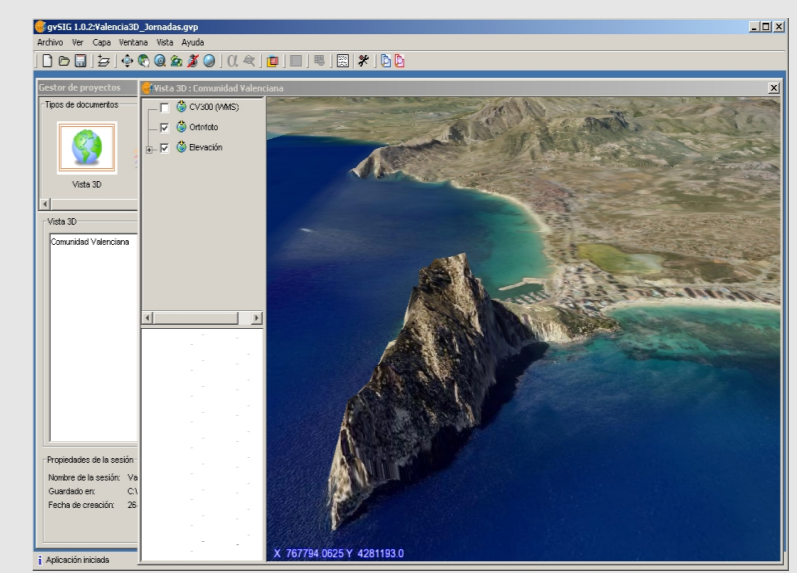
Network pilot

Optimal path calculation, topology, more geoprocessing, advanced symbology...



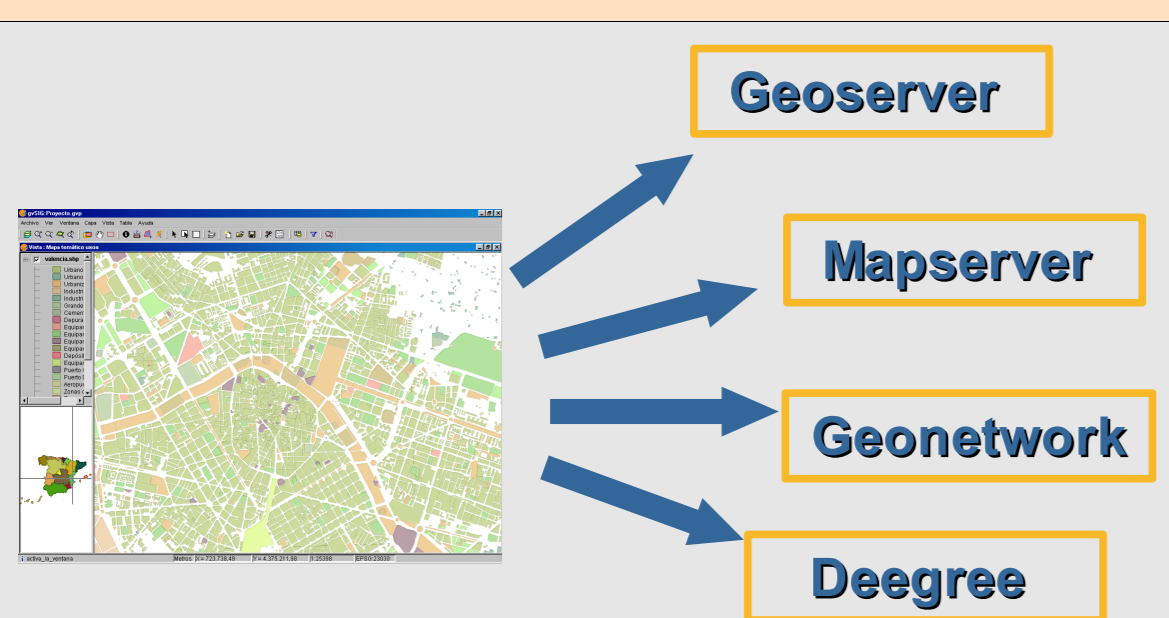
Mobile devices

Integration of gvSIG into mobile devices: telephony, PDA...

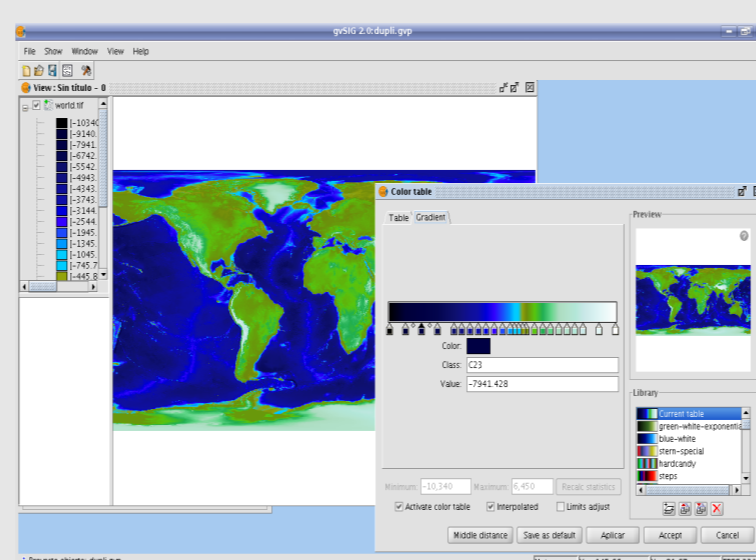


3D pilot

3D viewing and labelling, navigation tools...



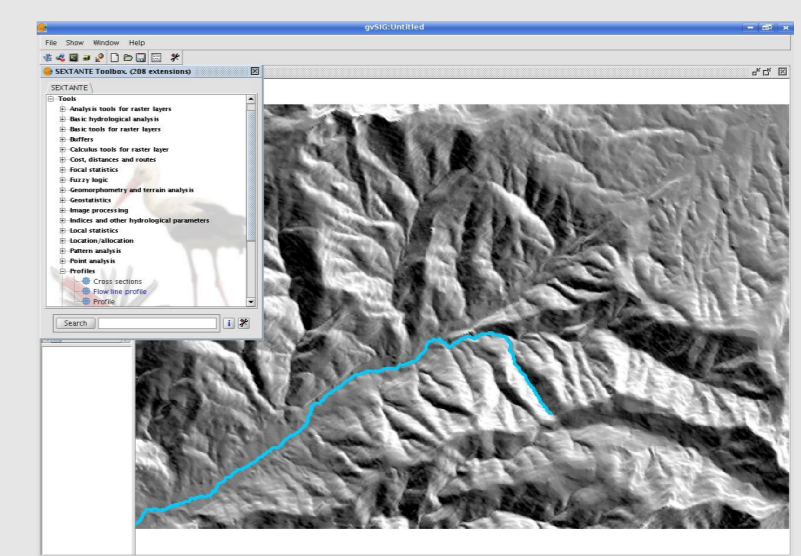
Publishing extension



Raster pilot

Georeferencing, Histogram view, image transparency, bright and contrast...

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SEXTANTE project

Functions oriented to geographical analysis and hydrology field... (<http://www.sextantegis.com/>)