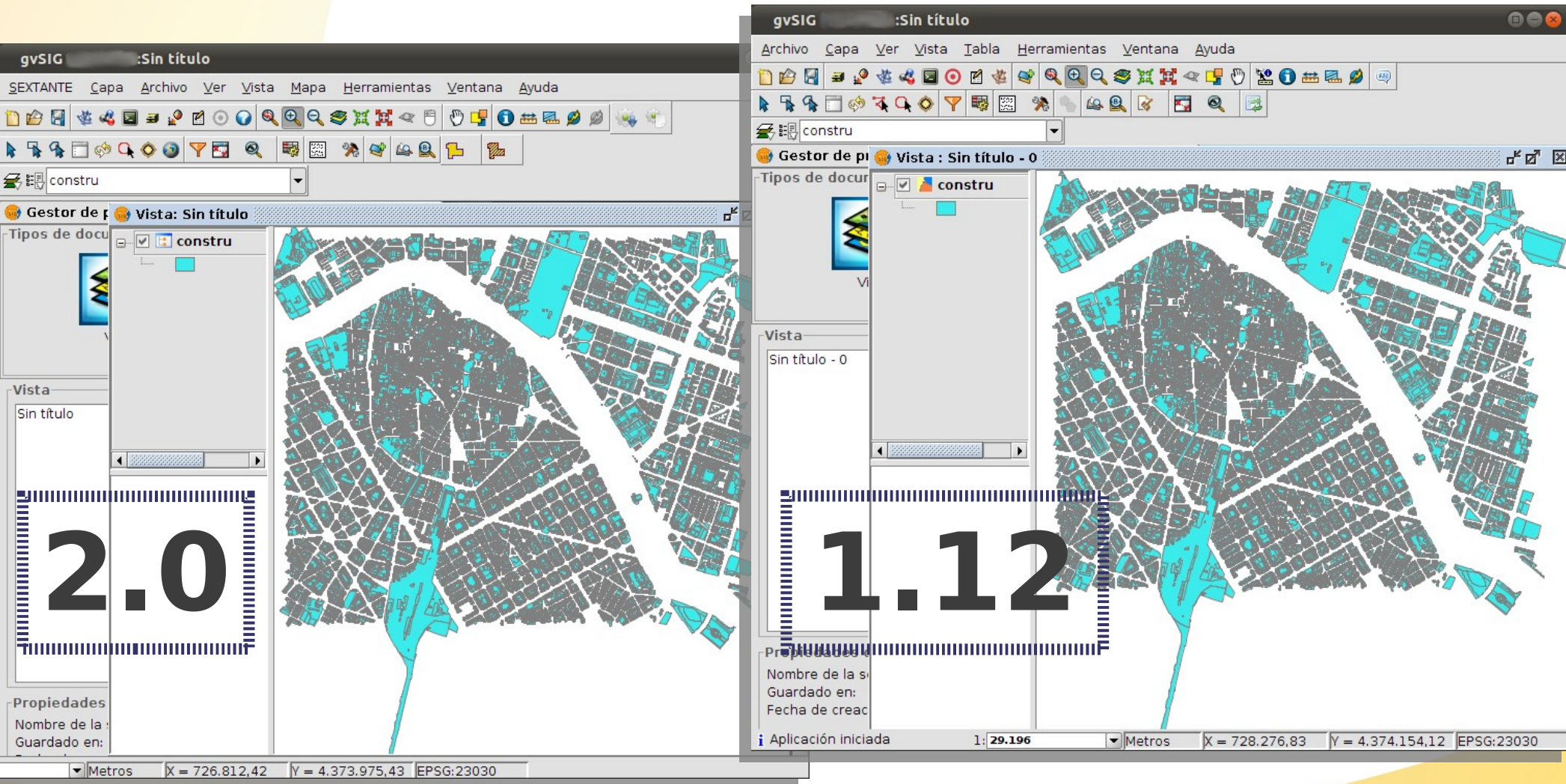




What's new in gvSIG Desktop 2.0

What are the novelties?

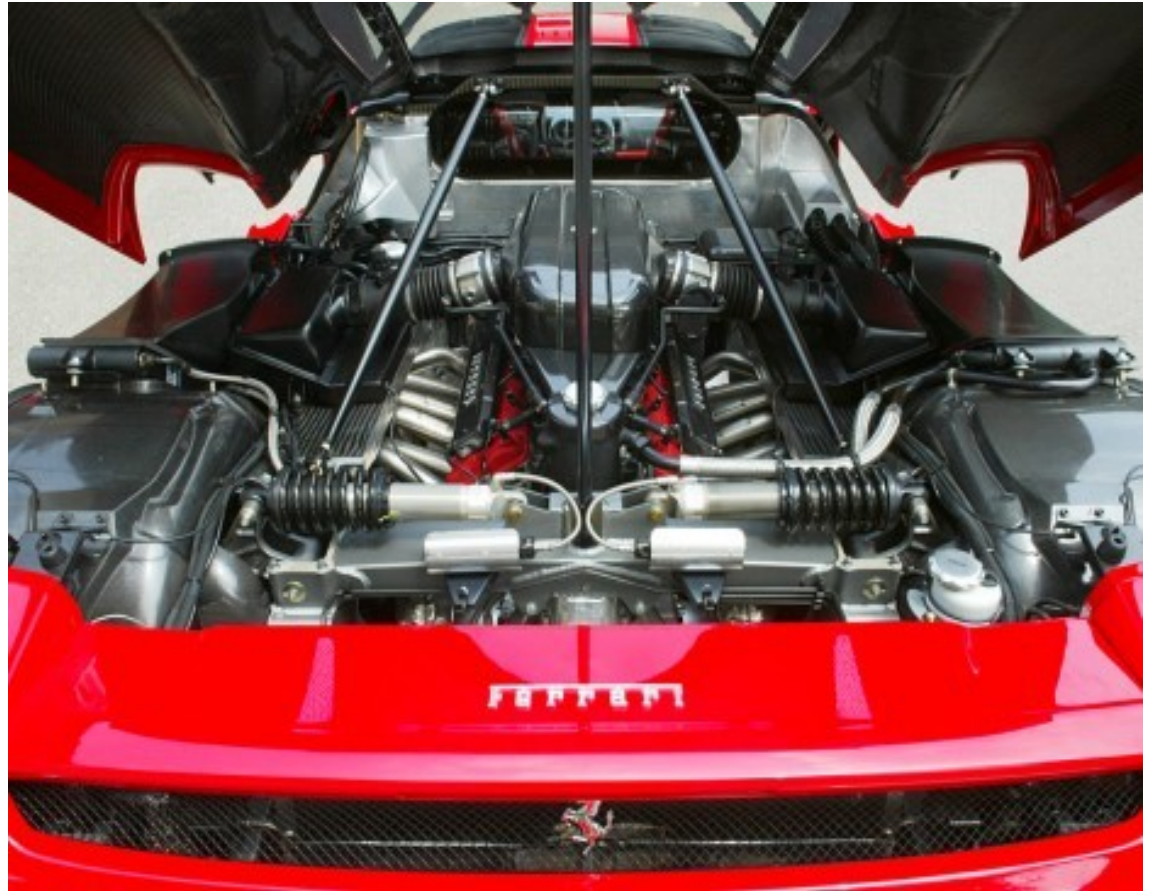
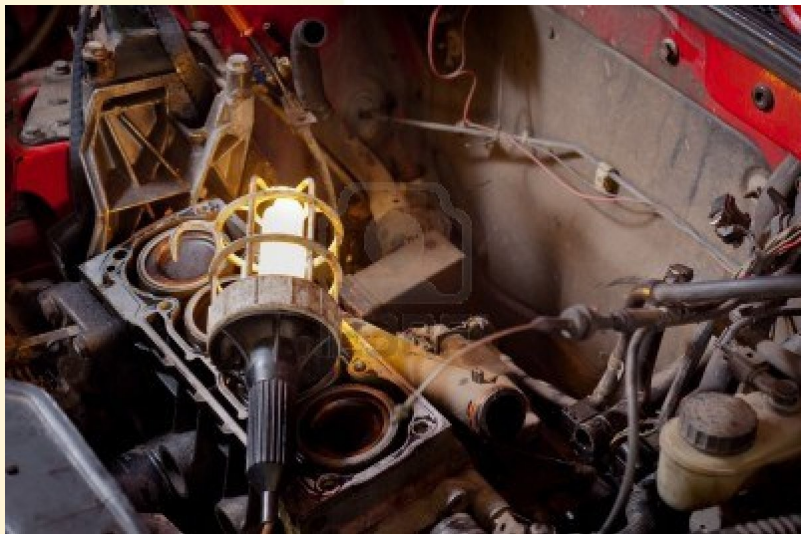


Migrating and building...



Some examples...	1.12	2.0
Pie and bar chart legends	X	
Table in layout		X
Import/export symbols		X
Add-ons manager	-	X
CSV	X	
NETCDF		X
Multi-temporal data		X
Metadata management		X
Network analysis	X	
WMTS		X
Raster tile cache		X

**The main novelty is
in the area of
development tools**



New engine

1.x Architecture

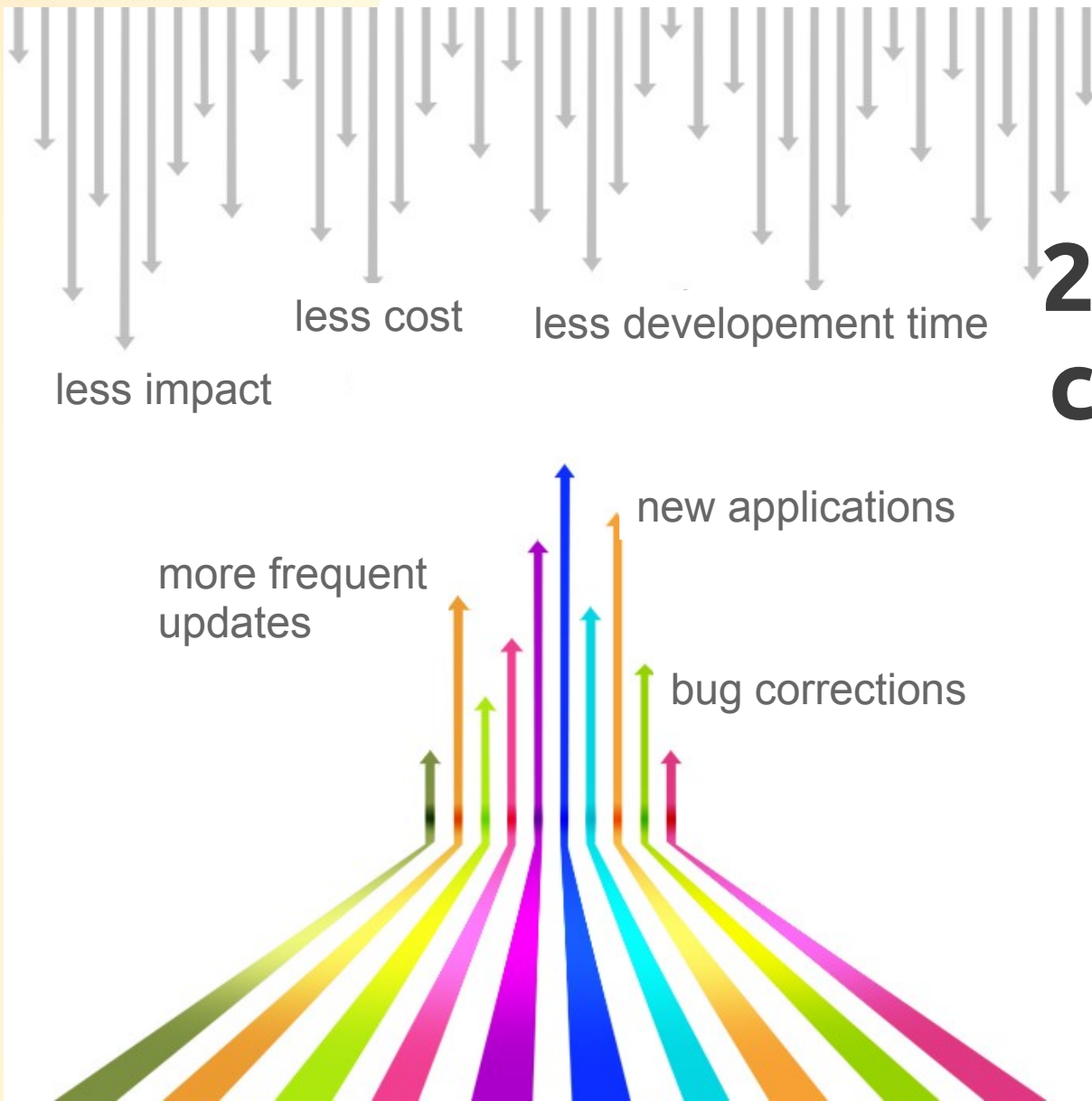


Any change entails... complexity and impact

2.x Architecture



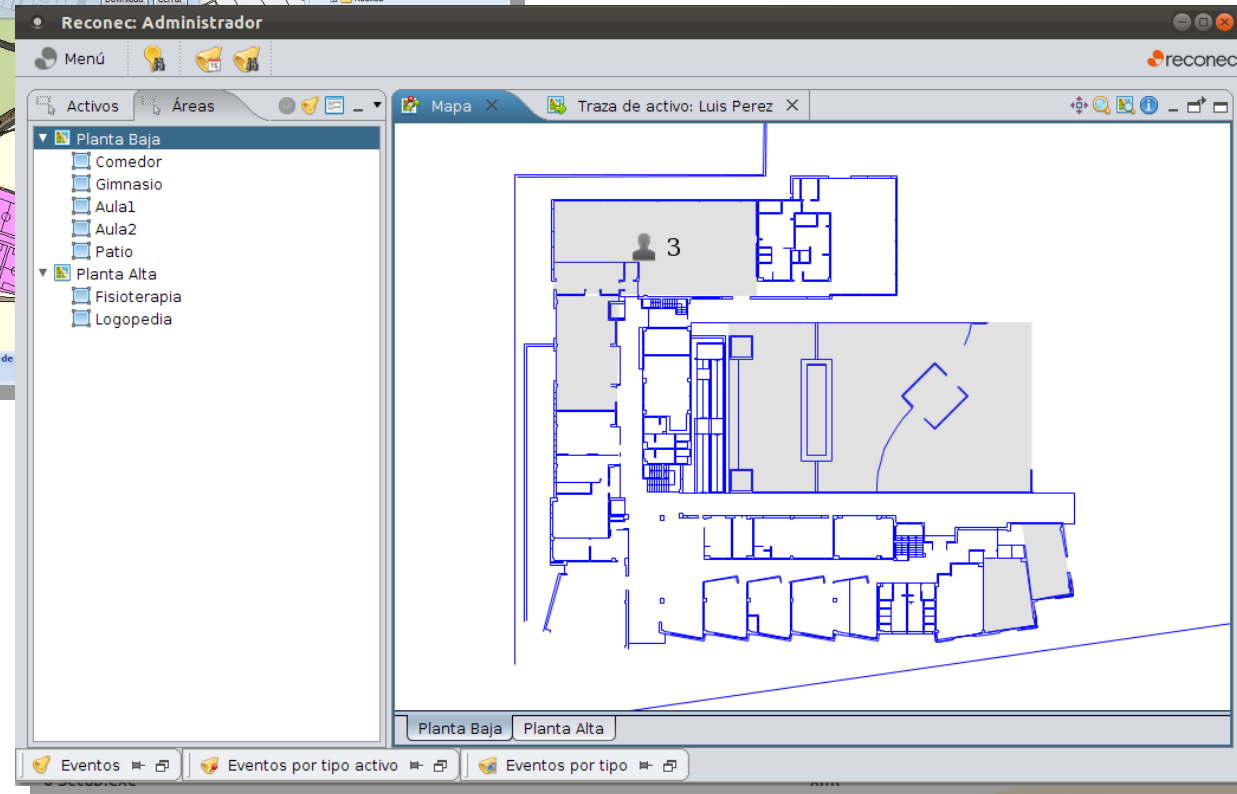
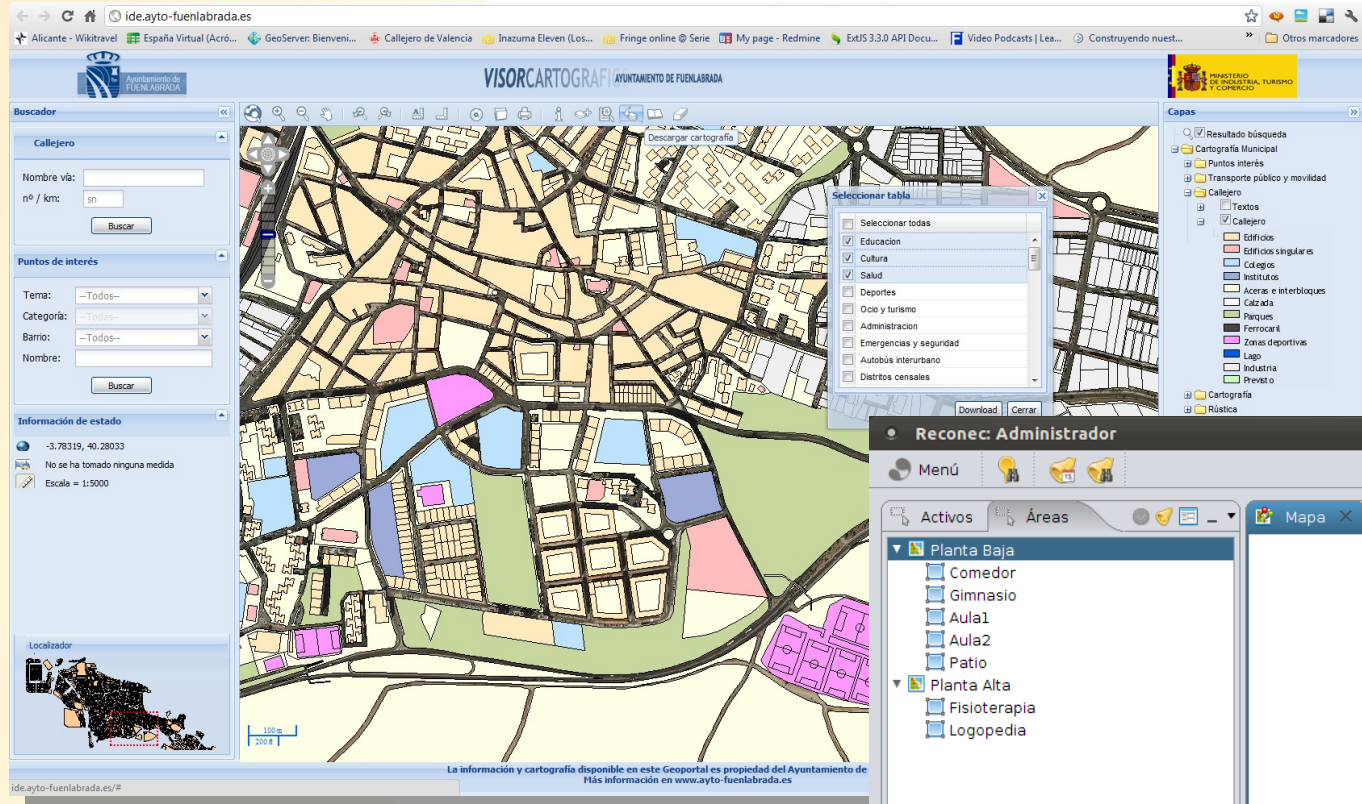
Restructuring and API



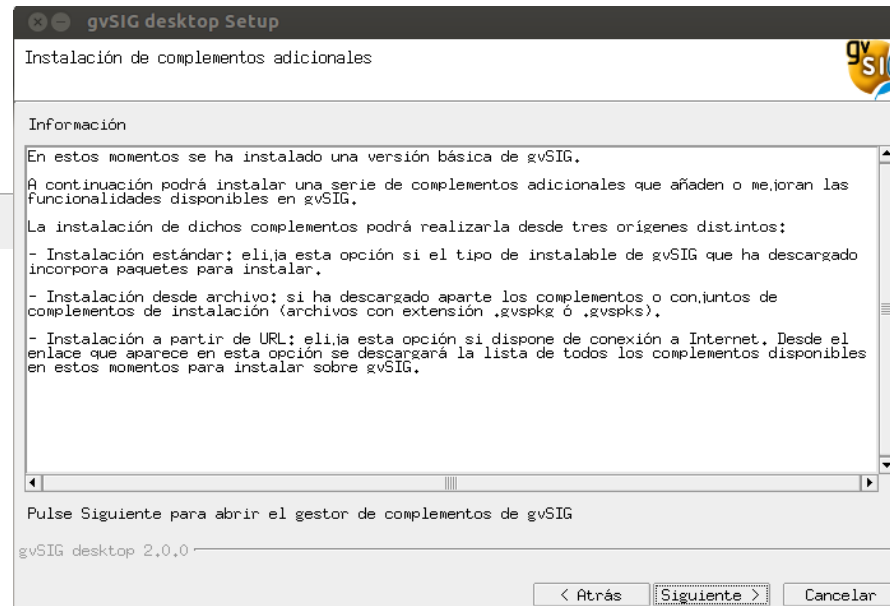
2.x Architecture: changes provide advantages



New applications



New installer



New installer that supports typical and customized installation. Through a customized installation the user can control the add-ons that are installed.

We can install a
“customized
gvSIG”



Add-ons manager



Not only new functionalities but also symbol libraries...

install_package

Seleciona paquetes

Filtro rápido Restaurar filtros

			Nombre	Versión	Tipo
Todos					
Addon Management	<input checked="" type="checkbox"/>	★	Add-ons manager	2.0.0-2064	plugin
Database	<input checked="" type="checkbox"/>	★	Application gvSIG	2.0.0-2052	plugin
Development	<input checked="" type="checkbox"/>	★	CRS management	2.0.0-2044	plugin
Formats	<input type="checkbox"/>	★	CRS management	2.0.0-2044	plugin
Geoprocess	<input type="checkbox"/>	★	CRS: basic management (Proj4) bas...	1.0.0-SNAPSHOT-2	plugin
Import And Export	<input checked="" type="checkbox"/>	★	Database connectors	2.0.0-2064	plugin
Internationalization	<input type="checkbox"/>	★	Development project wizard	2.0.0-2066	plugin
Layout	<input checked="" type="checkbox"/>	★	Document: Layout	2.0.0-SNAPSHOT-17	plugin
OGC	<input checked="" type="checkbox"/>	★	Document: Table	2.0.0-SNAPSHOT-30	plugin
Oracle	<input checked="" type="checkbox"/>	★	Export framework	1.0.0-SNAPSHOT-2071	plugin
Raster	<input type="checkbox"/>	★	Format: PostGIS raster format supp...	2.0.0-SNAPSHOT-8	plugin
Remote Services	<input checked="" type="checkbox"/>	★	Formats: DWG file format support	2.0.0-2064	plugin
Simbology	<input type="checkbox"/>	★	Formats: Ecw file format support	2.0.0-SNAPSHOT-49	plugin
Table	<input checked="" type="checkbox"/>	★	Formats: Ecw file format support	2.0.0-SNAPSHOT-49	plugin
Vector	<input checked="" type="checkbox"/>	★	Formats: Gdal file formats support	2.0.0-SNAPSHOT-16	plugin
View	<input checked="" type="checkbox"/>	★	Formats: GML/KML file format support	2.0.0-2064	plugin
	<input type="checkbox"/>	★	Formats: MrSID file format support	2.0.0-SNAPSHOT-20	plugin
	<input checked="" type="checkbox"/>	★	Formats: MrSID file format support	2.0.0-SNAPSHOT-20	plugin

Format: PostGIS raster format support

PostGIS raster adapter for gvSIG

- code: *org.gvsig.raster.postgis.app.postgisrasterclient*
- Organization: *gvSIG Association*

Categorías

Tipos

< Anterior Siguiente > Final Cancelar

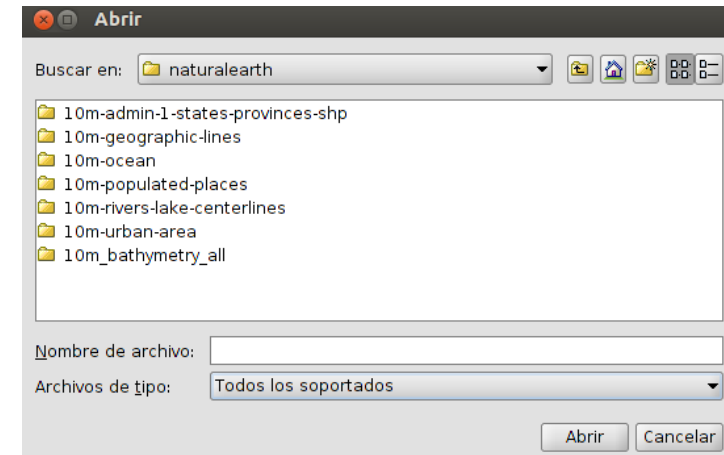
Interface / usability

Some changes in the **interface** of the data management tools like:

- Importing/exporting files
- Table operations
- New layer

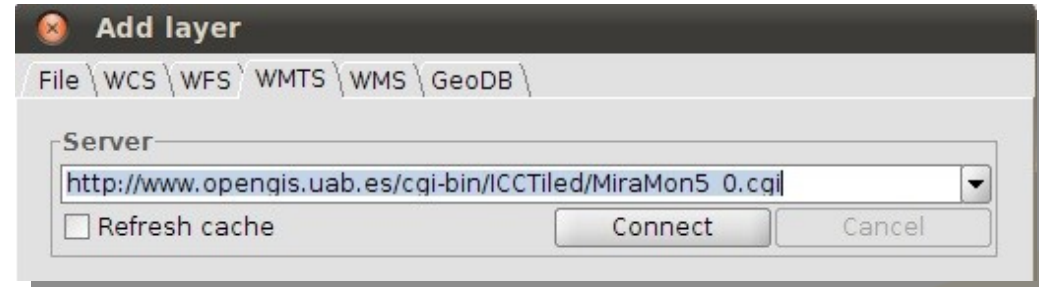
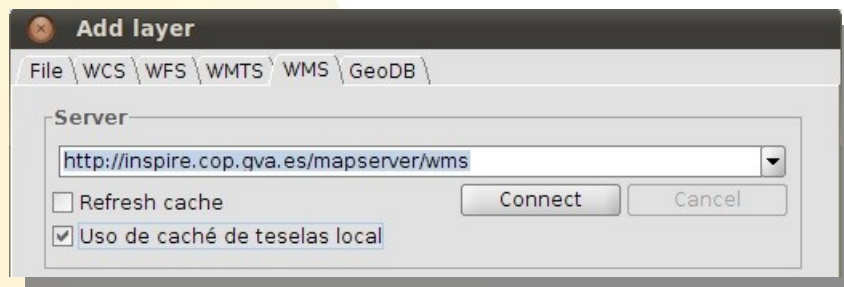
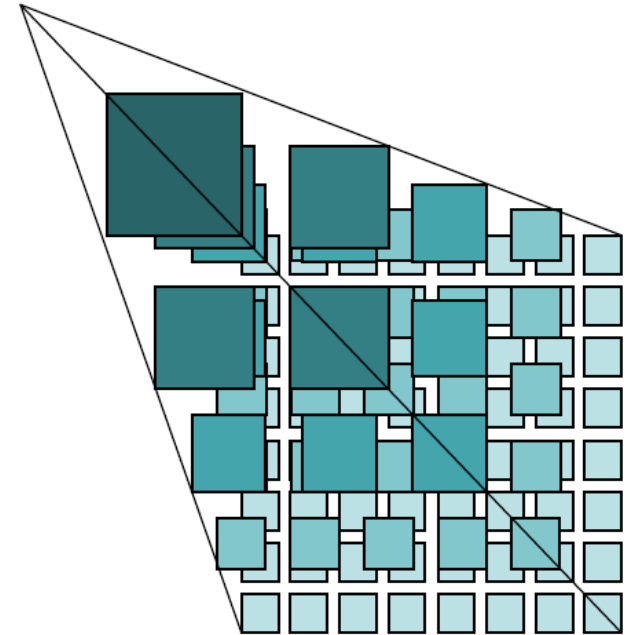
Usability improvements (starting...), like:

- All supported data formats can be added without driver selection
- Screen refresh when zooming
- Menus and sub-menu restructuring



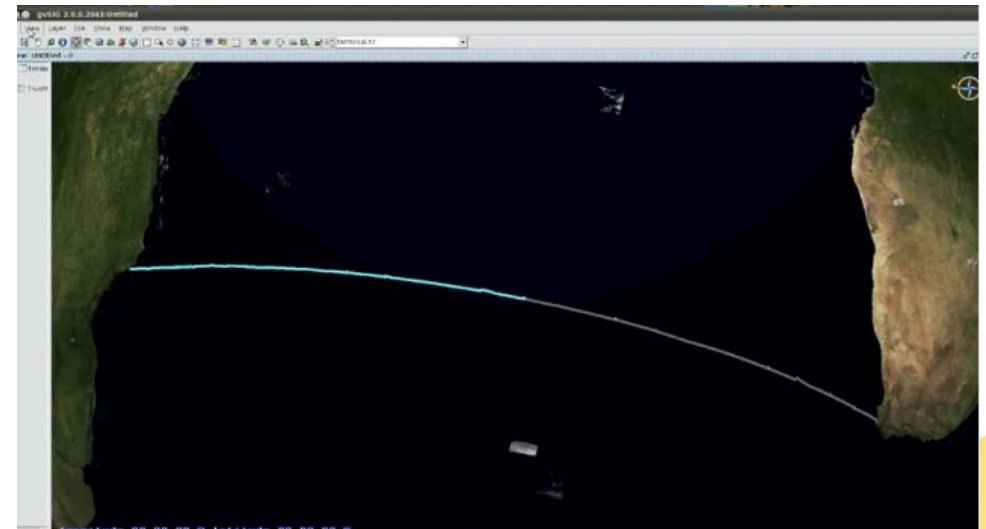
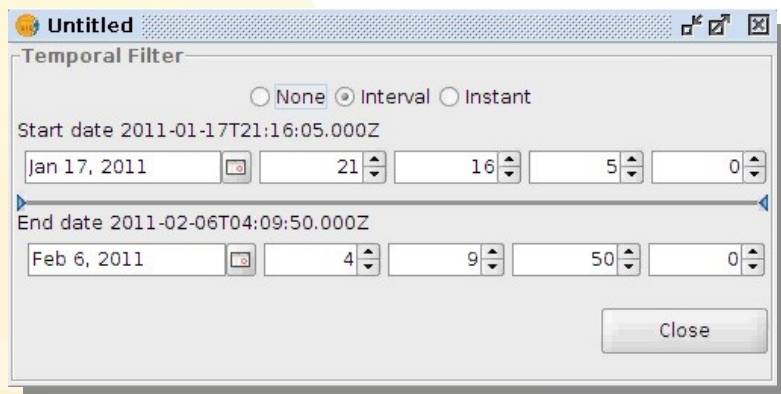
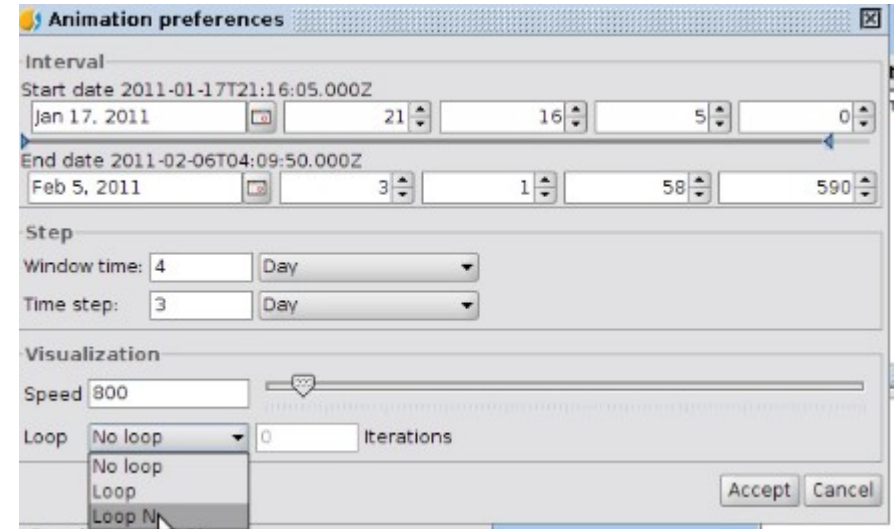
Data display

- Improvements in the **layer performance**: The user can now work on the application while a layer is loading.
- **WMTS** (Web Map Tiled Service) support. The WMTS is a new OGC standard service that improves the popular WMS thanks to improved tile management.
- **Raster data cache**. Improvements in the raster data viewing performance.

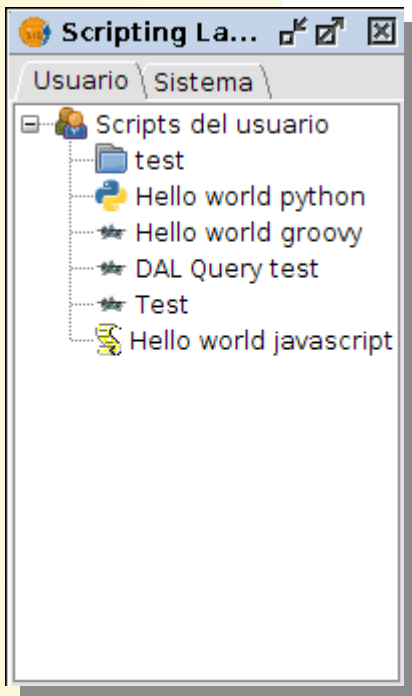
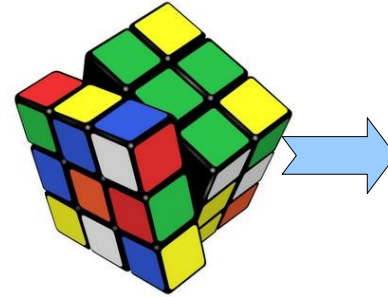


4D: Time as a coordinate

- **NETCDF (vector/raster) format support.** NETCDF is a format for scientific data that supports, among other things, multi-temporal data.
- **Temporal data support.** A new **temporal filter** tool has been added for files that support the time dimension like NETCDF.
- **Animation generation** from temporal data (vector).



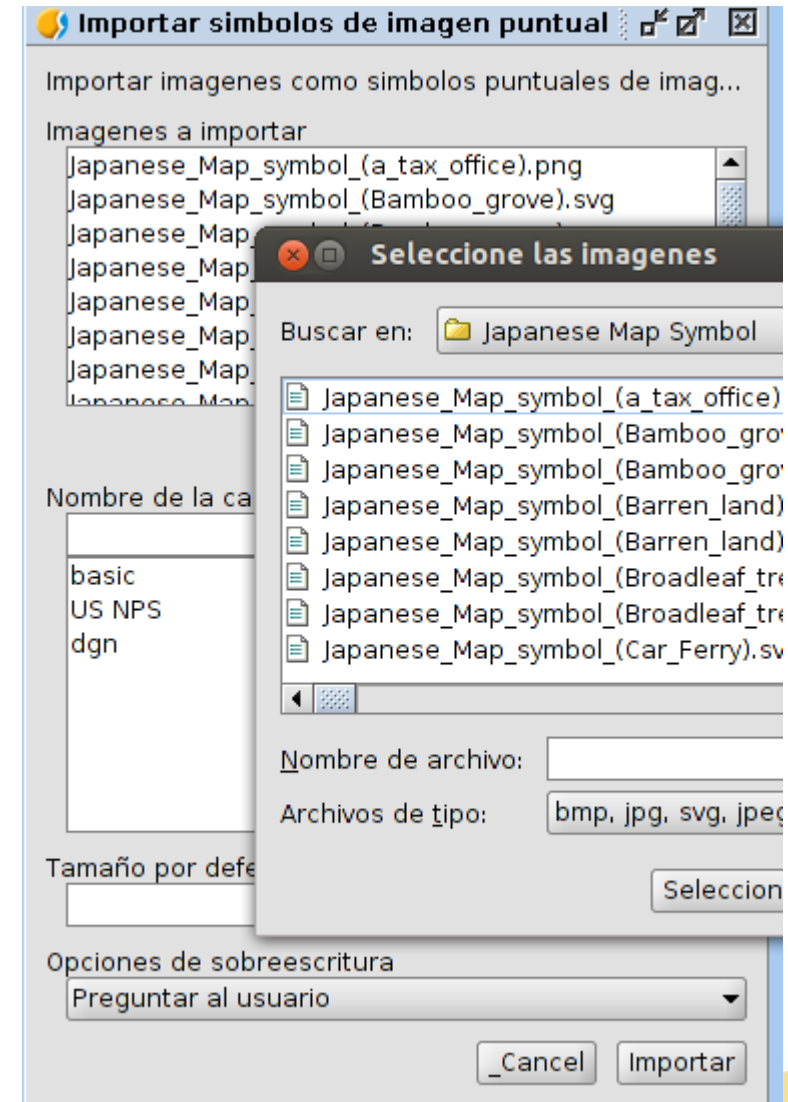
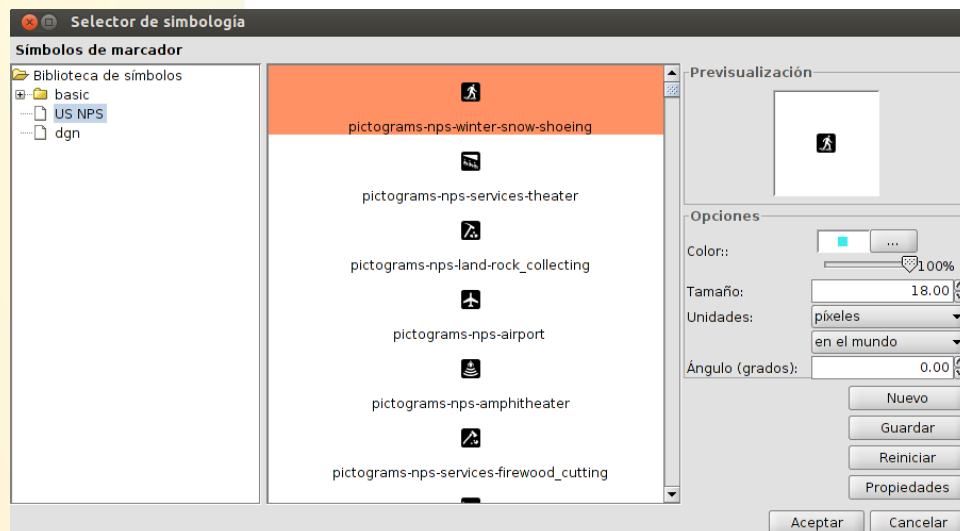
Scripting: Python for gvSIG



- It is an open source development language.
- **Easy to learn.** Suitable for beginners... and also for experts.
- Multi-platform.
- Stable and mature.
- It has a **great users community**, also in the GIS world.
- Prepared for Groovy and Javascript supporting.

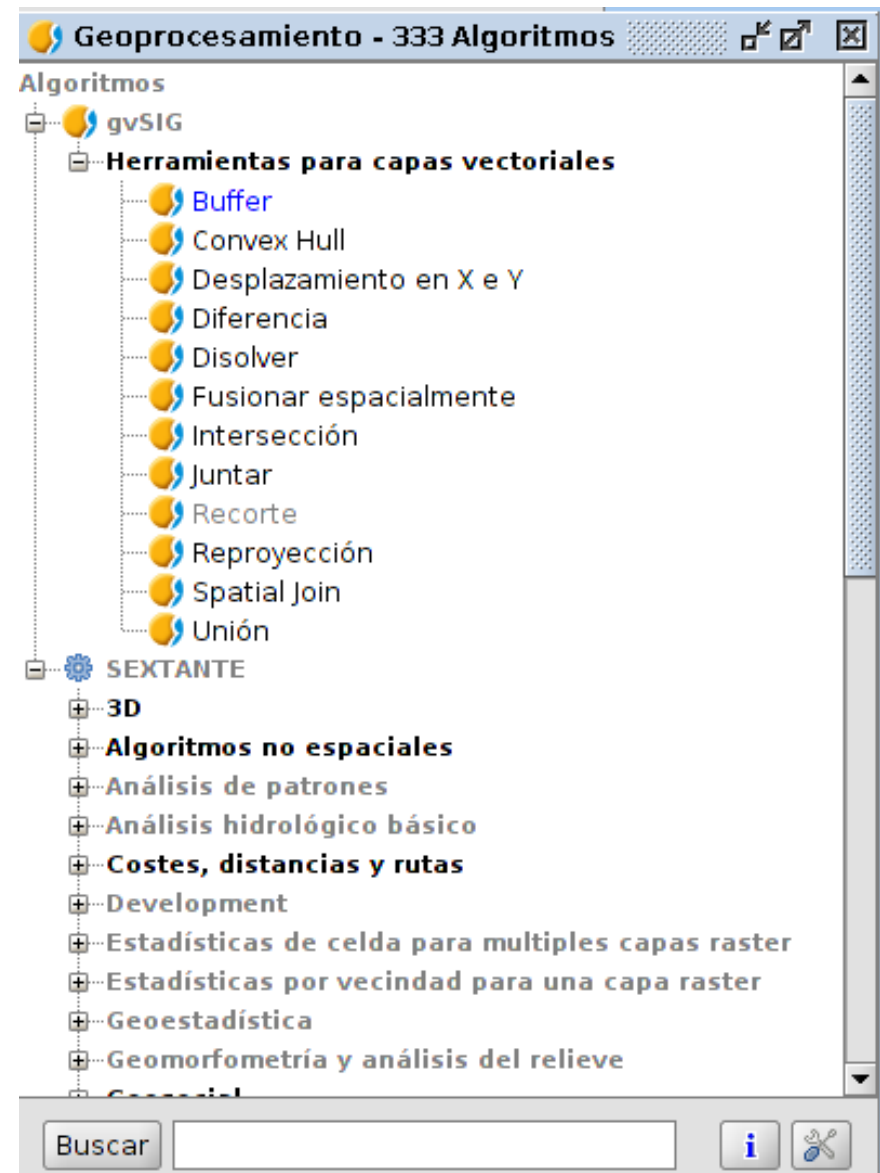
Symbology

- Point symbols importer in different formats: SVG, JPG, BMP...
- It allows you to create your own symbol libraries
- gvSIG 2.0 will include new free symbol libraries (Google, OSM,...)
- Users can share their symbols



Geoprocessing

- Unified geoprocessing interface. From this version on, all the geoprocessing tools will be housed in a single toolbox.
- Geoprocessing speed and functionality improvements.



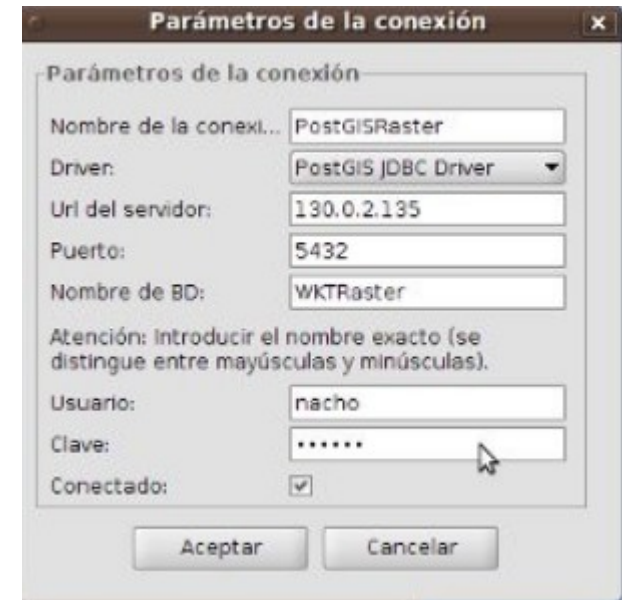
PostGIS Raster

- PostGIS Raster Support. PostGIS Raster, previously called WKTRaster, is an extension developed on PostGIS. The objective of this extension is to add native support for raster data to the database.

-It takes advantage of the DB manager system characteristics:

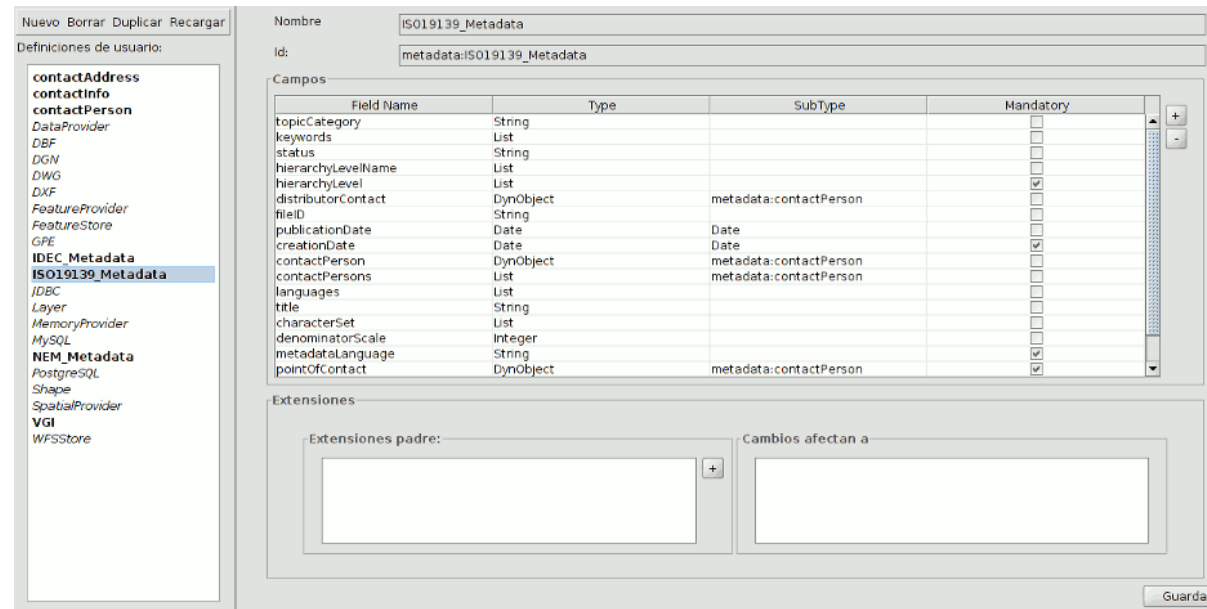
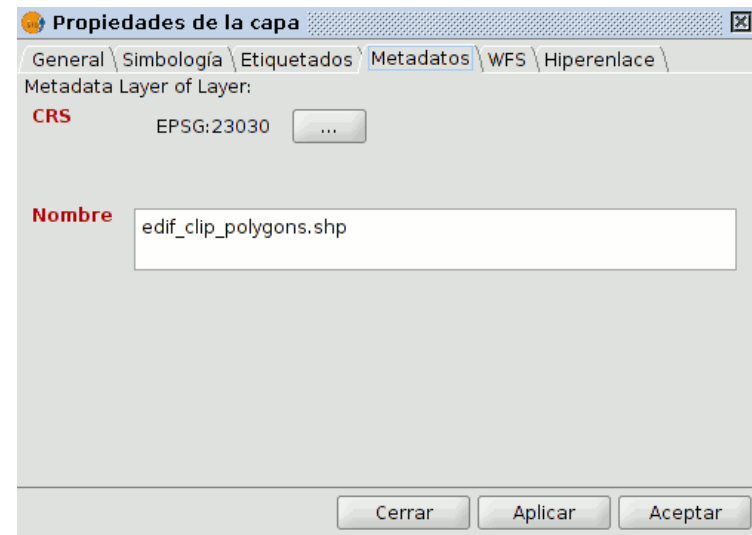
- Data access and security restrictions
- SQL support for spatial queries
- Client-server architecture for simultaneous access
- Data centralization

- Georeferenced tiled and multi-resolution raster data storing (row: raster or tile; table: complete cover).



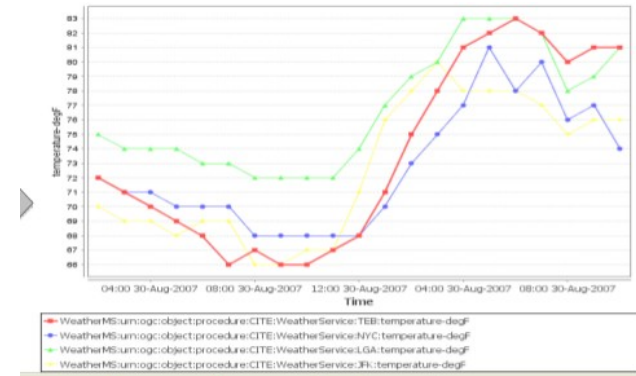
Metadata

- Metadata management. New add-on that allows creation, editing and exporting of metadata.
- Metadata profiles generation. Add-on that allows advanced users to create new metadata profiles.



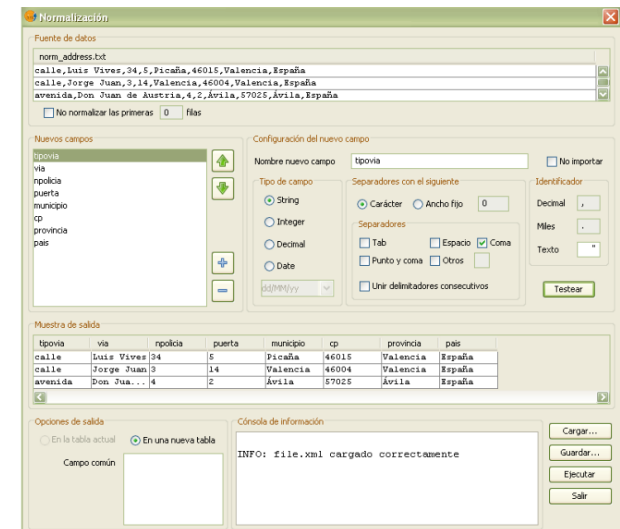
Other improvements

- Inserting table in layout. Any of the tables of a gvSIG project can be added to a layout.
- Raster layer information (info by point).
- New versions of OGC formats



Extensions for gvSIG 2.0

- Normalization
- Geocoding
- Sensors: SOS, graphs,...
- Thematic maps (from gvSIG Educa/Batoví)



Normalización

Fuente de datos: norm_address.txt

Lista de direcciones:

- calle, Luis Vives, 34, 5, Picaña, 46015, Valencia, España
- calle, Jorge Juan, 3, 14, Valencia, 46004, Valencia, España
- avenida, Don Juan de Austria, 4, 2, Ávila, 57025, Ávila, España

Configuración del nuevo campo:

Nombre nuevo campo: ipovia

Tipo de campo: String

Separadores con el siguiente: Carácter, Ancho fijo (0)

Identificador: Decimal

Separadores: Tab, Punto y coma, Otros

Muestra de salida:

ipovia	via	rpolicia	puerta	municipio	cp	provincia	país
	Luis Vives 34	5		Picaña	46015	Valencia	España
	Jorge Juan 3	14		Valencia	46004	Valencia	España
	Don Jua... 4	2		Ávila	57025	Ávila	España

Opciones de salida: En la tabla actual, En una nueva tabla

Consola de información: INFO: file.xml cargado correctamente

Next gvSIG 2.1

- Map sheets
 - Graph document (graph legend is still pending)
 - Thematic maps
 - OSM
-
- Georeferencing
 - PostGIS 2.0 raster
 - Compatibility with Vector PostGIS 2.0
 - New legends (Expressions, Proportional Symbols, Graduated Symbols, Points Density, Quantities by category)
 - Advanced labelling
 - CSV
 - Event layer
 - Table in layout
 - Raster improvements
 - Printing improvements
 - Time-space dissolve geoprocess
 - Reviewing of source code headers
 - Last version of Sextante
 - Fixing of bugs

**We have laid the foundation for
the future of gvSIG**



Questions?



What's new in gvSIG Desktop 2.0