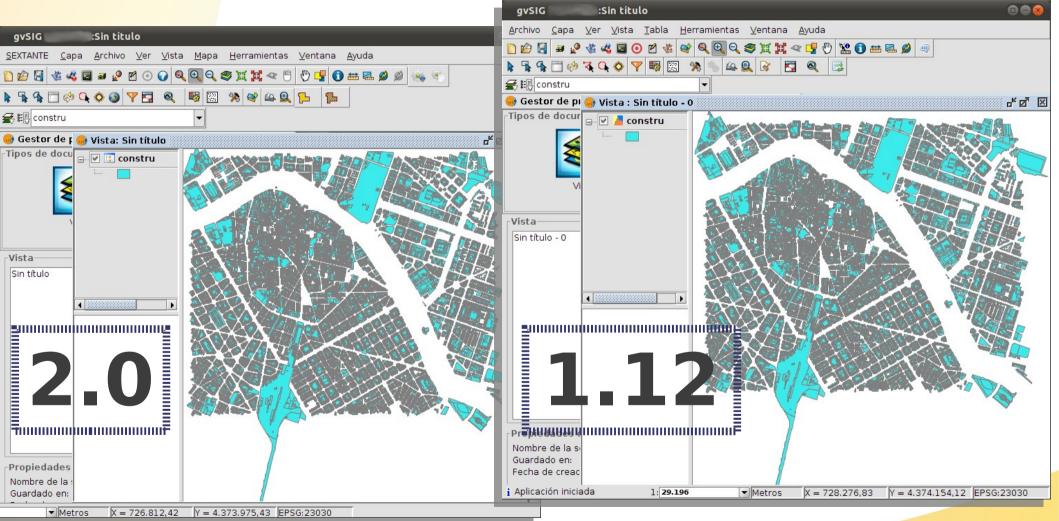




What's new in gvSIG Desktop 2.0



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



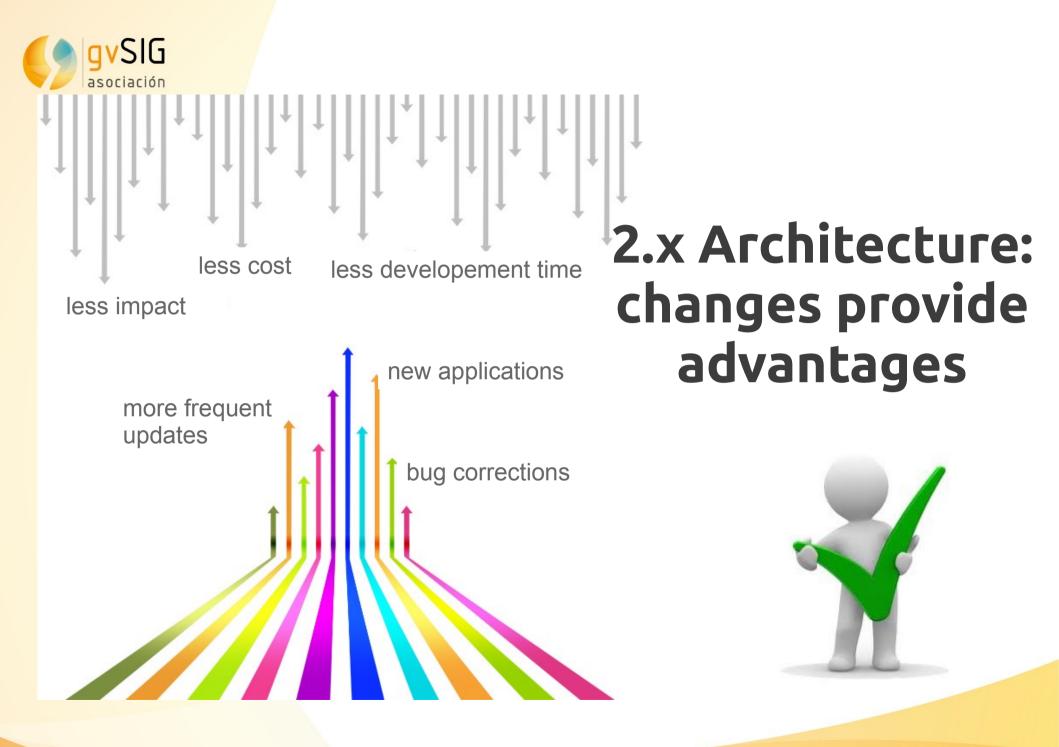
Any change entails... complexity and impact



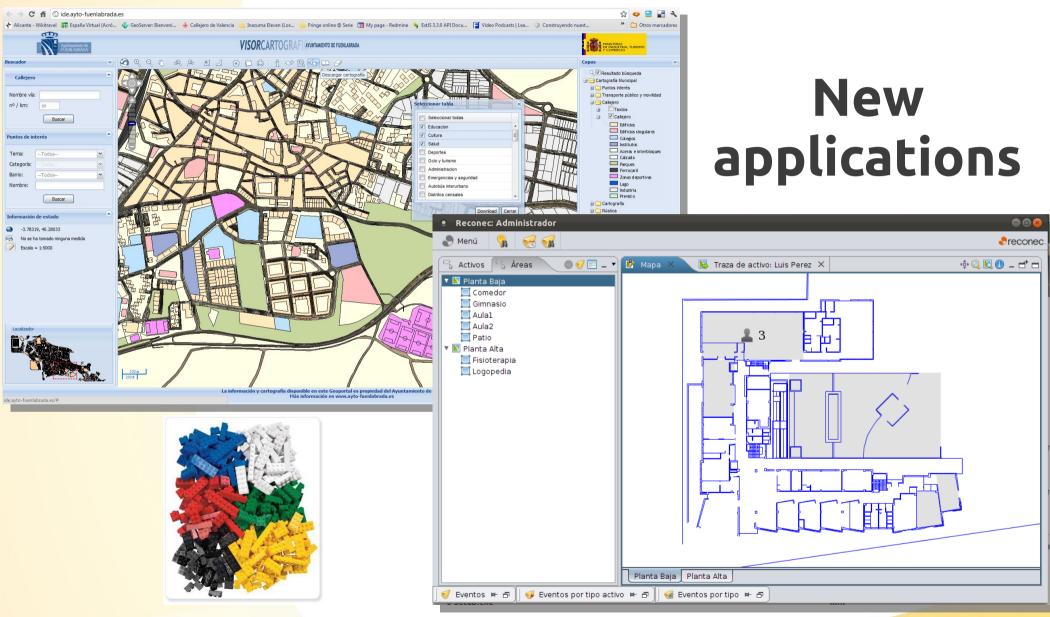
2.x Architecture



Restructuring and API









New installer

😣 🔵 🛛 gvSIG desktop Setup



Bienvenido al InstallJammer Wizard para gvSIG desktop

Este programa instalará gvSIG desktop versión 2.0.0 en su equipo.

Se recomienda cerrar las demás aplicaciones antes de continuar. Pulse Siguiente para continuar o Cancelar para salir de la instalación. New installer that supports typical and customized installation. Through a customized installation the user can control the add-ons that are installed.

Instalación de complementos adio	cionales	9 51
Información		
En estos momentos se ha instala	ado una versión básica de gvSIG.	
A continuación podrá instalar u funcionalidades disponibles en	una serie de complementos adicionales que añaden o me,jo gvSIG.	ran las
La instalación de dichos comple	ementos podrá realizarla desde tres orígenes distintos:	
- Instalación estándar: elija e incorpora paquetes para instala	esta opción si el tipo de instalable de gvSIG que ha de: ar.	scargado
	i ha descargado aparte los complementos o conjuntos de cchivos con extensión ,gvspkg ó ,gvspks),	=
- Instalación a partir de URL: enlace que aparece en esta opci en estos momentos para instalar	eli,a esta opción si dispone de conexión a Internet. D ión se descargará la lista de todos los complementos di ~ sobre gvSIG.	esde el sponibles
<[]		

We can install a "customized gvSIG"



gvSIG desktop 2.0.0 ----

< Atrás Siguiente > Cancelar



Add-ons manager



Not only new functionalities but also symbol libraries... Selecciona paquetes Filtro rápido Todos Addon Management Database Development Formats CRS mana

Todos			Nombre	Versión	Tipo	
Addon Management	a		Add-ons manager	2.0.0-2064	plugin	•
Database	2		Application gvSIG	2.0.0-2052	plugin	
Development	2	Δ	CRS management	2.0.0-2044	plugin	
Formats	숦	~	CRS management	2.0.0-2044	plugin	
Geoprocess	숦		CRS: basic management (Proj4J bas	1.0.0-SNAPSHOT-2	plugin	
Import And Export	2		Database connectors	2.0.0-2064	plugin	36
Internationalization	숦		Development project wizard	2.0.0-2066	plugin	
Layout	😪		Document: Layout	2.0.0-SNAPSHOT-17	plugin	
OGC	2		Document: Table	2.0.0-SNAPSHOT-30	plugin	
Oracle	2		Export framework	1.0.0-SNAPSHOT-2071	plugin	
Raster	숦		Format: PostGIS raster format supp	2.0.0-SNAPSHOT-8	plugin	
Remote Services	😪		Formats: DWG file format support	2.0.0-2064	plugin	
Simbology	숦	~	Formats: Ecw file format support	2.0.0-SNAPSHOT-49	plugin	
Table	😪	Δ	Formats: Ecw file format support	2.0.0-SNAPSHOT-49	plugin	
Vector	😪		Formats: Gdal file formats support	2.0.0-SNAPSHOT-16	plugin	
View	😪		Formats: GML/KML file format support	2.0.0-2064	plugin	
	숦	R	Formats: MrSID file format support	2.0.0-SNAPSHOT-20	plugin	
	\sim	Δ	Formats: MrSID file format support	2.0.0-SNAPSHOT-20	nluain	•
			: PostGIS raster for adapter for gvSIG	rmat supp	ort	
Categorías Tipos			org.gvsig.raster.postgis.app.postgisi zation: gvSIG Association	rasterclient	•	•
			< Anterior Siguient	e > Final	Cancelar	_

Asociación gvSIG www.gvsig.com

-" ×

Restaurar filtros



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



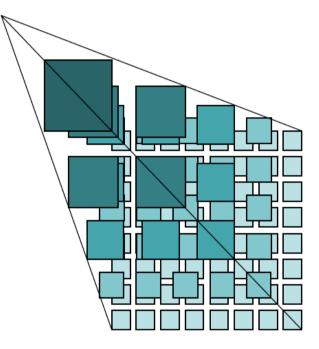
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Buscar en: 🗀 natu	ralearth	•	🛍 🖄 😫 🖿
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<u>N</u> ombre de archivo: Archivos de <u>t</u> ipo:	Todos los soportados		
	·		Abrir Cancelar





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.



e \ WCS \ WFS \ WMTS ` WMS \ GeoDB \		
Server		
http://inspire.cop.gva.es/mapserver/	wms	-
Refresh cache	Connect Cancel	

Add layer		
e \ WCS \ WFS \ WMTS \ WMS \ G	eoDB \	
C		
Server http://www.opengis.uab.es/cgi-	bin/ICCTiled/MiraMon5 0.cgi	-



4D: Time as a coordinate

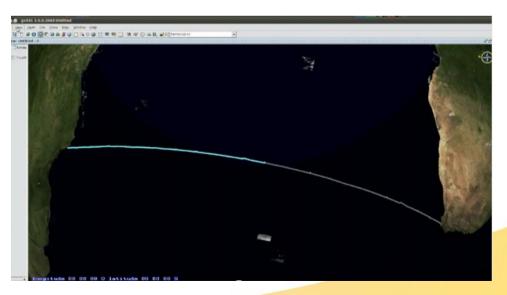
- **NETCDF (vector/raster)** format support. NETCDF is a format for scientific data that supports, among other things, multi-temporal data.

- **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).

Temporal Filter	r				
		one 💿 Interva	l 🔿 Instant		
Start date 2011-(01-17T21:16	:05.000Z			
Jan 17, 2011		21 🗘	16 🗘	5 🜩	0
End date 2011-0:	2-06T04:09:	50.000Z			
Feb 6, 2011		4 🔹	9 🗘	50 🗘	0
				Clo	SP

Interv	/al						
Start d	late 201	1-01-1	7T21:16:05.0	200Z			
Jan 1	7. 2011			21 🗘	16	5 🗘	0
End da	te 2011	02-06	T04:09:50.0	DOZ			4
Feb 5	, 2011			3 🗘	1 🜩	58 🗘	590 🗘
Step							
Windo	w time:	4	Day	-]		
Time s	tep:	3	Day)		
Visua	lizatio	n					
Speed	800						
Loop	No loo	p	- 0	Iterations			
	No loo	p				Acco	nt Concol
	Loop N	1.	_			Acce	cance





🕽 Scripting La... 🗗 🗹 🗵

🟓 Hello world python

🗯 Hello world groovy 🐄 DAL Query test

📲 Hello world javascript

Usuario \Sistema \ B--- & Scripts del usuario

📄 test

🐲 Test

Scripting: Python for gvSIG







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



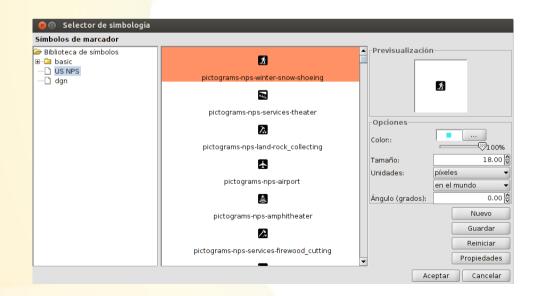
Symbology

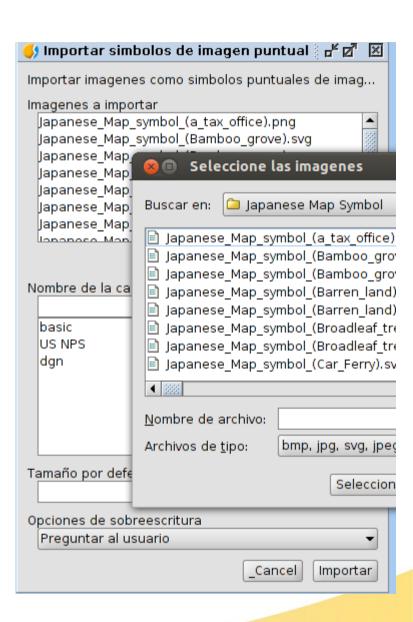
- Point symbols importer in different formats: SVG, JPG, BMP...

- 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



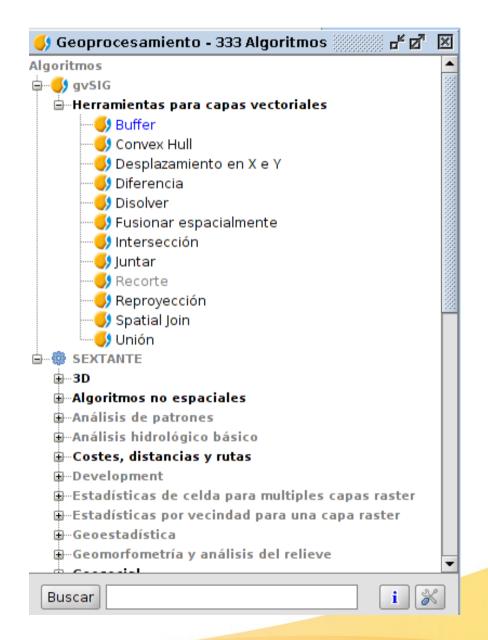




Geoprocessing

- 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

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

Nombre de la conexi	PostGISRaster
Driver:	PostGIS JDBC Driver
Url del servidor:	130.0.2.135
Puerto:	5432
Nombre de BD:	WKTRaster
Atención: Introducir el distingue entre mayús	
Usuario:	nacho
Clave:	·····
Conectado:	¥ v



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.

😔 Propied	lades de la capa 🛛 🕅
General \S	Simbología \ Etiquetados \ Metadatos \ WFS \ Hiperenlace \
Metadata L	ayer of Layer:
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BF	keywords		List			
	status		String			
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WG	hierarchyLevel		List		¥	
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ieatureProvider	fileID		String			200
eatureStore	publicationDate		Date	Date		2000
iPE	creationDate		Date	Date	¥	200
DEC_Metadata	contactPerson		DynObject	metadata:contactPerson		200
SO19139 Metadata	contactPersons		List	metadata:contactPerson		
DBC	languages		List			200
ayer	title		String			
lemoryProvider	characterSet		List			8
fySQL	denominatorSca	le	Integer			8
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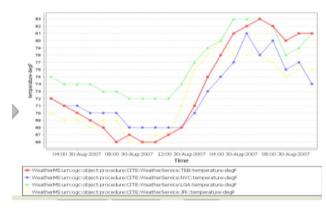
Other improvements

- 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)



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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