gvSIG Online for local administration

Municipality platform for geographic information management

gvSIG Association

A short introduction...

gvSIG Association

About us

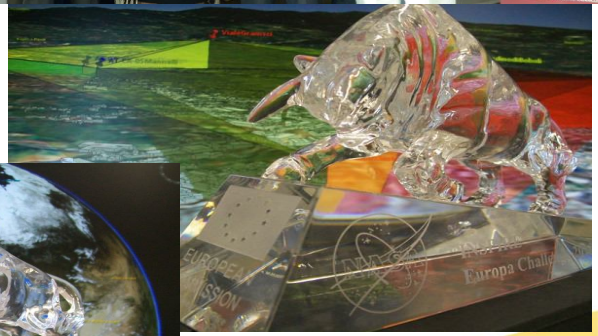
- It was born in 2010 within the frame of the gvSIG Project.
- Composed of companies (Members) and non business entities (Honour Members). Collaborators and distributors. Reduce asymmetries between countries.
- The biggest international network of experts in free geomatics.
- References and clients in +30 countries. Software used in +160 countries.
- Experience in SDI projects, corporative GIS and free geomatics for public and private entities.
- We participate at the main forum and organizations: ISO/TC 211 (AEN/CNT148), OSGeo, OGC, INSPIRE, ICA, GT-IDEE, GODAN, GeoforAll,...

gvSIG Association

Awards and recognitions

- 2020:
  - “Sustainable Entrepreneur” at Innovation+Sustainability+Network Awards by Expansión, Bankinter and Viesgo
- 2017:
  - 1st prize in “Cross-border category” at “Sharing & Reuse Awards” of European Commission.
  - “Europa Challenge” in Helsinki awarded by NASA to the gvSIG Suite,
  - Excellence “Internationalization” Award given by the Professional Union of Valencia.
  - “ITC Promoter organization” prize awarded by the Valencian Telecommunications.
- 2016:
  - “Europa Challenge” awarded by NASA (World Wind integration with gvSIG Online).
  - “Best open source mobile software” and “Most revolutionary software” Open source software awards.
- 2015:
  - “Europa Challenge” awarded by NASA (World Wind integration with gvSIG Desktop).

and the winner is...



gvSIG asociación

gvSIG Association

Who has trusted us... Examples

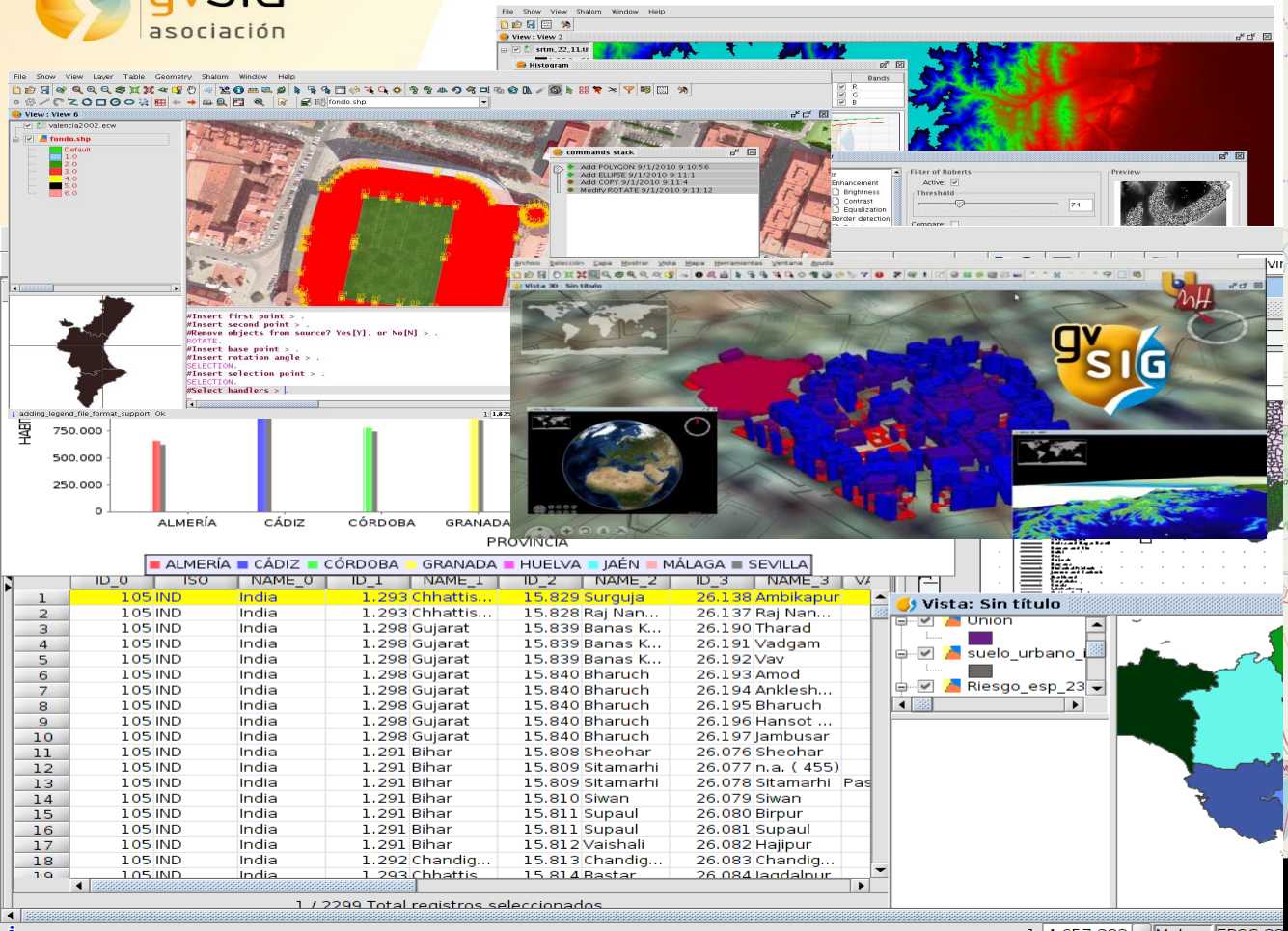
Catalog of gvSIG solutions

gvSIG Desktop: Desktop Geographic Information System. It includes different extensions for editing, 3D analysis, geoprocessing, maps, etc.

gvSIG Online: Integral platform for Spatial Data Infrastructure (SDI) implementation.

gvSIG Mobile/gvSIG MApps: Geographic Information System for mobile devices. Oriented to take field data.

gvSIG asociación



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2	105	IND	India	1.293	Chhattis...	15.828	Raj Nan...	26.137	Raj Nan...
3	105	IND	India	1.298	Gujarat	15.839	Banas K...	26.190	Tharad
4	105	IND	India	1.298	Gujarat	15.839	Banas K...	26.191	Vadgam
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9	105	IND	India	1.298	Gujarat	15.840	Bharuch	26.196	Hansot ...
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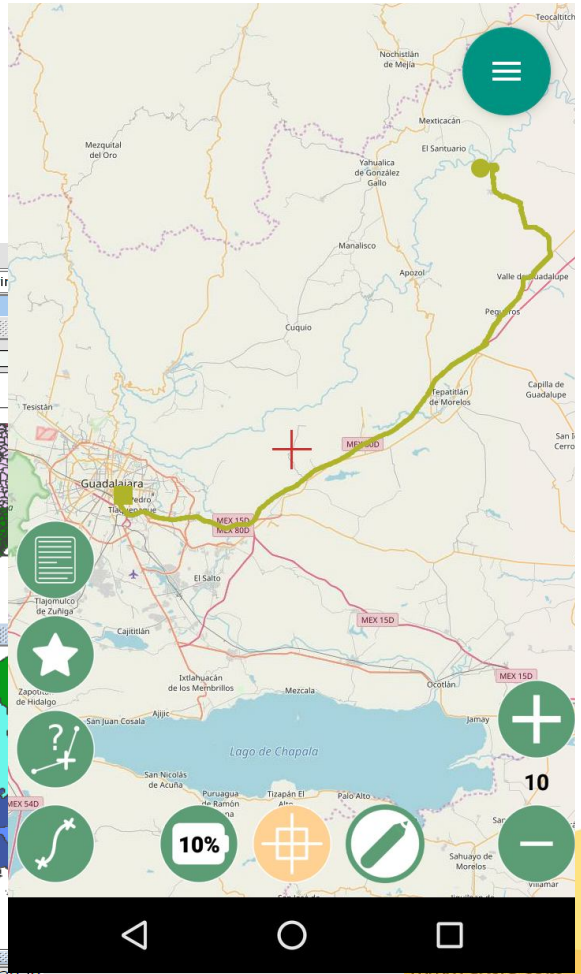
11	105	IND	India	1.291	Bihar	15.808	Sheohar	26.076	Sheohar
12	105	IND	India	1.291	Bihar	15.809	Sitamarhi	26.077	n.a. (455)
13	105	IND	India	1.291	Bihar	15.809	Sitamarhi	26.078	Sitamarhi
14	105	IND	India	1.291	Bihar	15.810	Siwan	26.079	Siwan
15	105	IND	India	1.291	Bihar	15.811	Supaul	26.080	Birpur
16	105	IND	India	1.291	Bihar	15.811	Supaul	26.081	Supaul
17	105	IND	India	1.291	Bihar	15.812	Vaishali	26.082	Hajipur
18	105	IND	India	1.292	Chandig...	15.813	Chandig...	26.083	Chandig...
19	105	IND	India	1.293	Chhattis...	15.814	Bastar	26.084	Jagdalpur

1 / 2299 Total registros seleccionados



1: 4.657.283 Metros EPSG:23030

www.gvsig.com

Components of a GIS

- Spatial Data Infrastructure
  - Database (spatial), Map server

    Geoportal(s), Catalog, Gazetteer
- Desktop GIS
- Mobile GIS

Components of a GIS

- **gvSIG Online**
  - Database (spatial), Map server

    Geoportal(s), Catalog, Gazetteer
- **gvSIG Desktop**
- **gvSIG Mobile / gvSIG MApps**

Components of a GIS

- gvSIG Online
  - Base de datos (espacial), Servidor de mapas
  - Geoportal(es), Catálogo, Nomenclátor
- gvSIG Desktop
- gvSIG Mobile

Open Source software

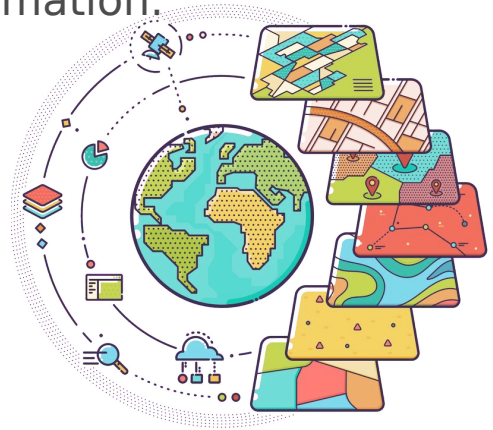
Interoperable

Standards

Built-in

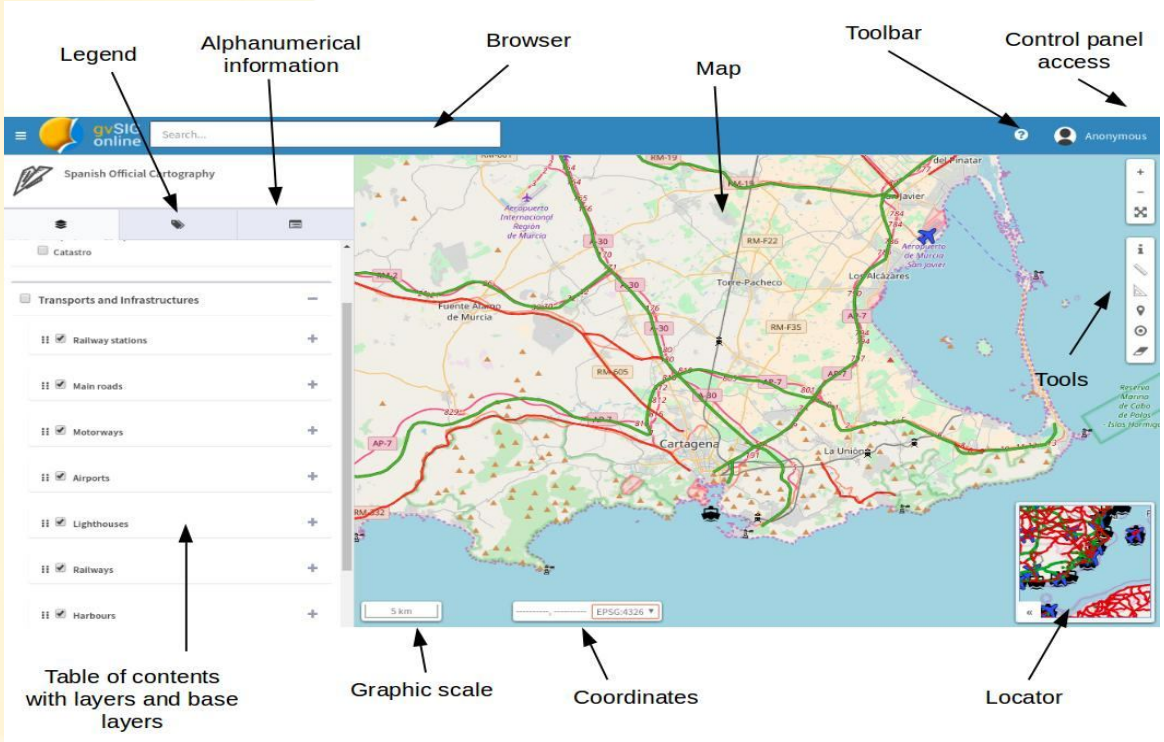
What is gvSIG Online?

- Solution to manage all the geolocated information of a municipality... that means, more than the 80% of the information:
  - Urban planning and cadastre
  - Environment
  - Security
  - Infrastructures
  - ...



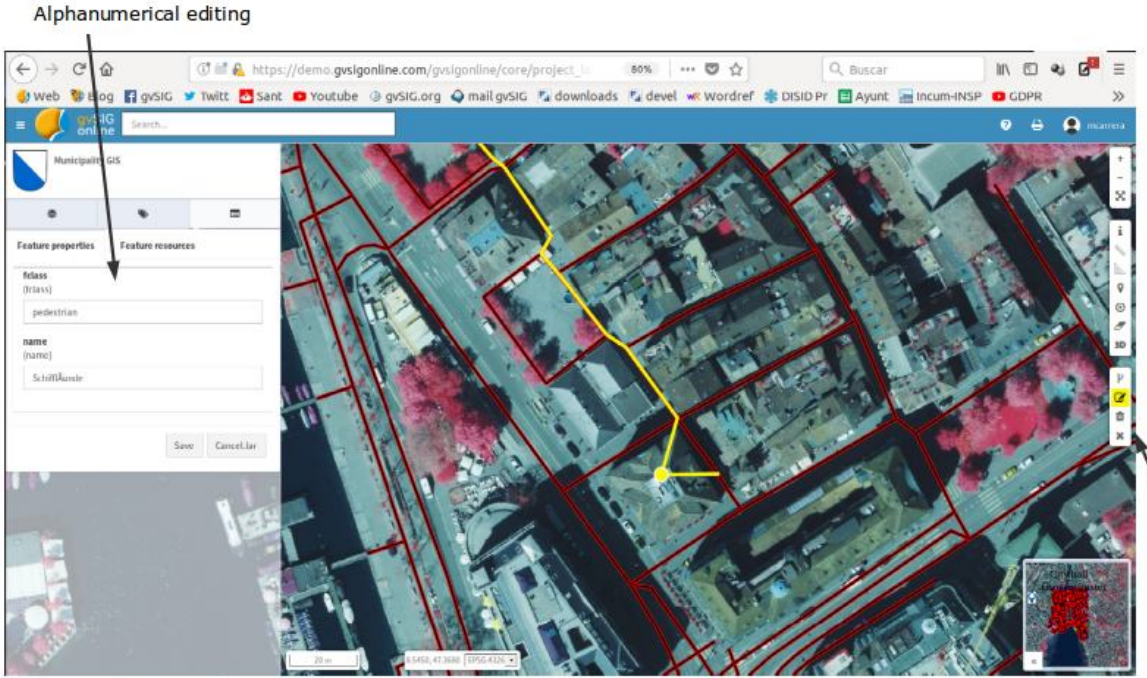
- **It allows to catalog, locate and share information in an easy way** through web map viewers, internally (private) as well a with the citizens.
- Any use limitations.

Map viewers


Legend
Alphanumerical information
Browser
Map
Toolbar
Control panel access
Tools
Table of contents with layers and base layers
Graphic scale
Coordinates
Locator
Spanish Official Cartography
Transports and Infrastructures
Railway stations
Main roads
Motorways
Airports
Lighthouses
Railways
Harbours

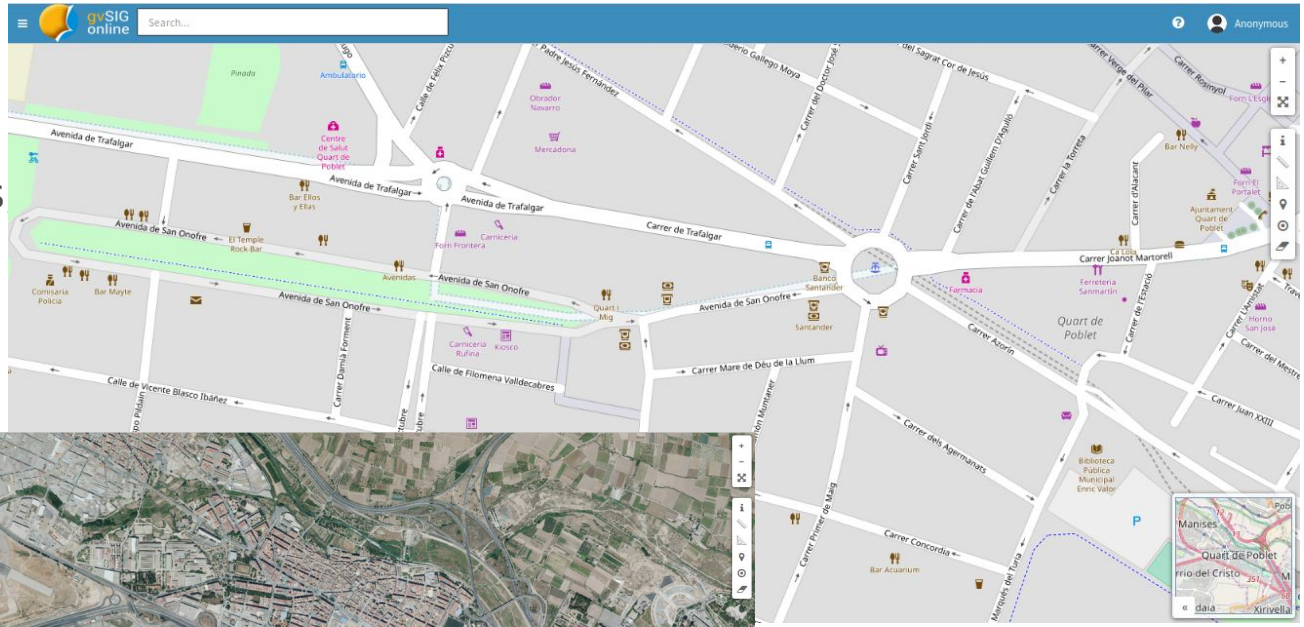
Map viewers

- Creation of geoportals in less than a minute
- Maps to be printed
- Editing tools: useful for inventories, census…
- 4D: temporary changes (e. g. cadastre at an specific date)



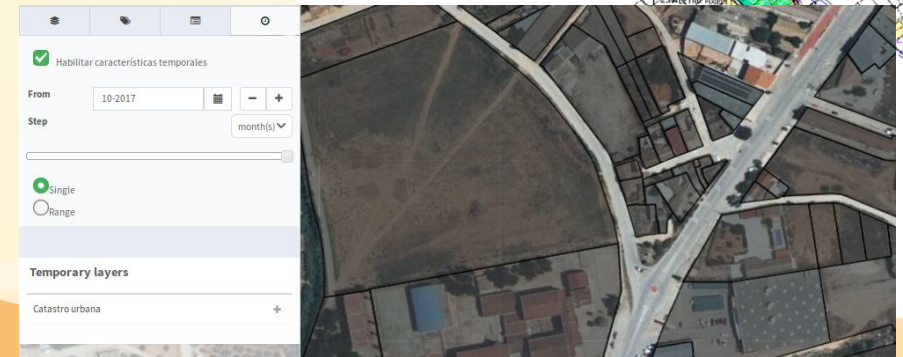
Street map

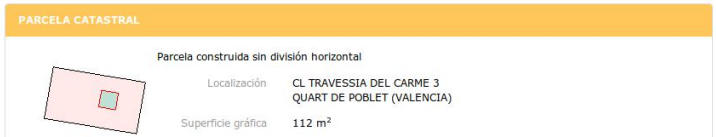
- Basic information of the municipality.
- Search for streets points of interest.
- Municipal services.



Urban planning and cadastre

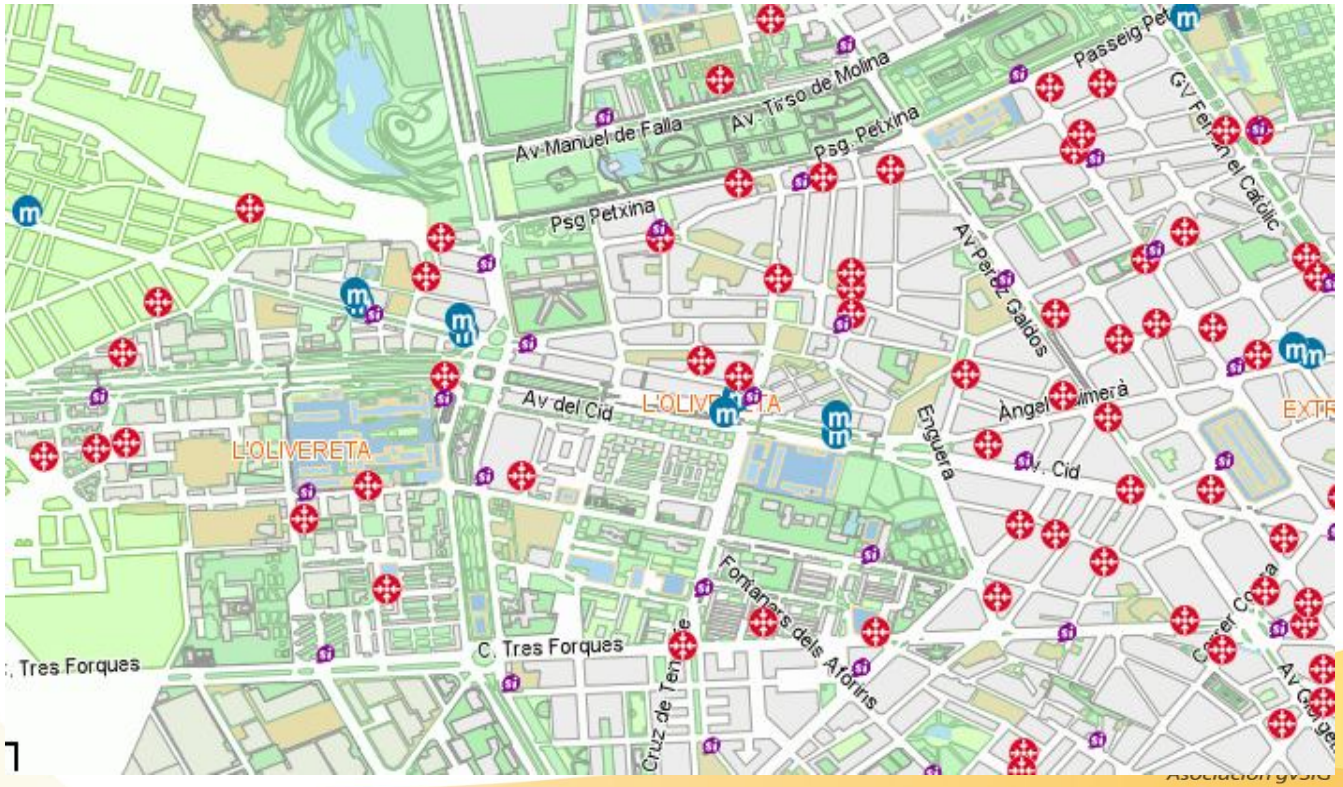
- Urban information
- Cadastre
- Temporary data
- Link to cadastral management centre
- Link to document manager





Mobility

- Bus
- Metro
- Cycle line
- Parking

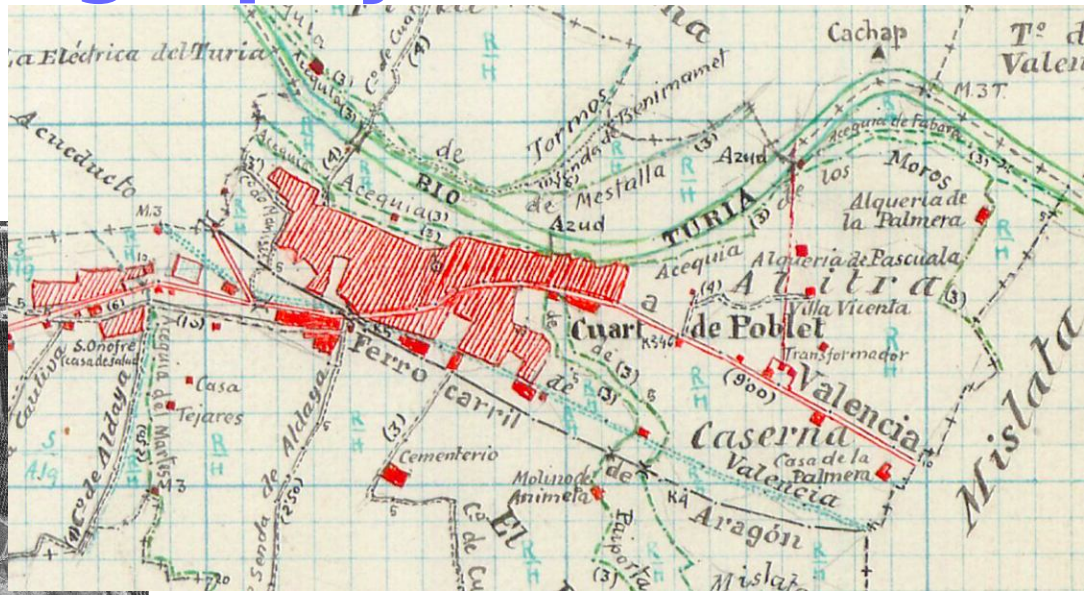


Urban accessibility

- Pavement size
- Passing size
- Slopes
- Accessibility

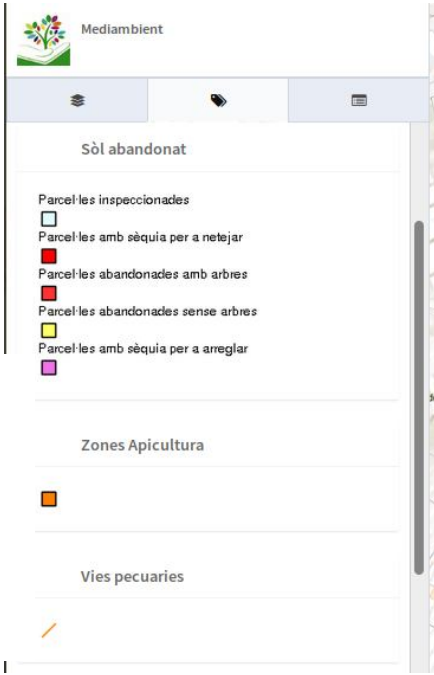
Historical cartography

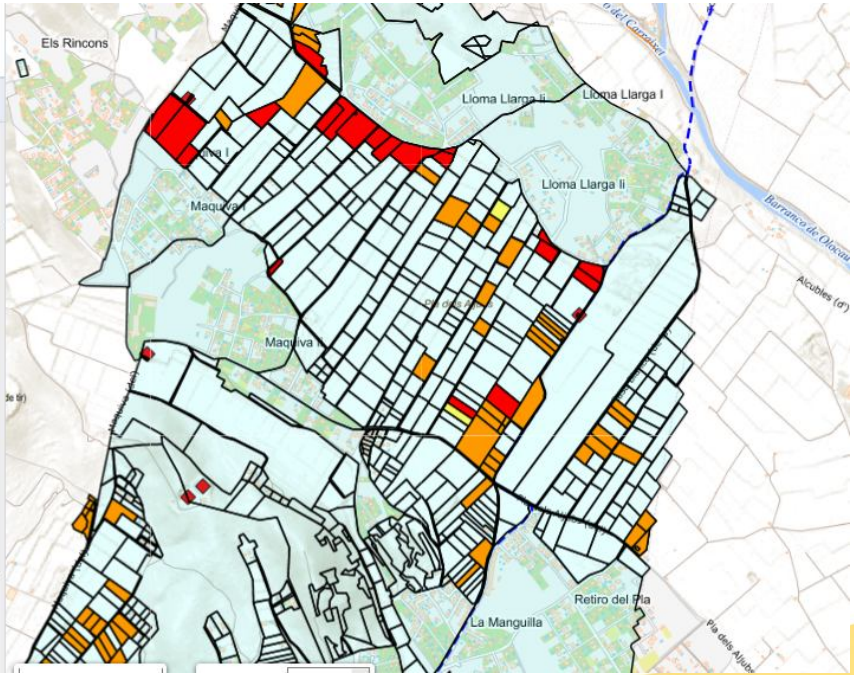
- Old maps
- American flight
- ...



Environment

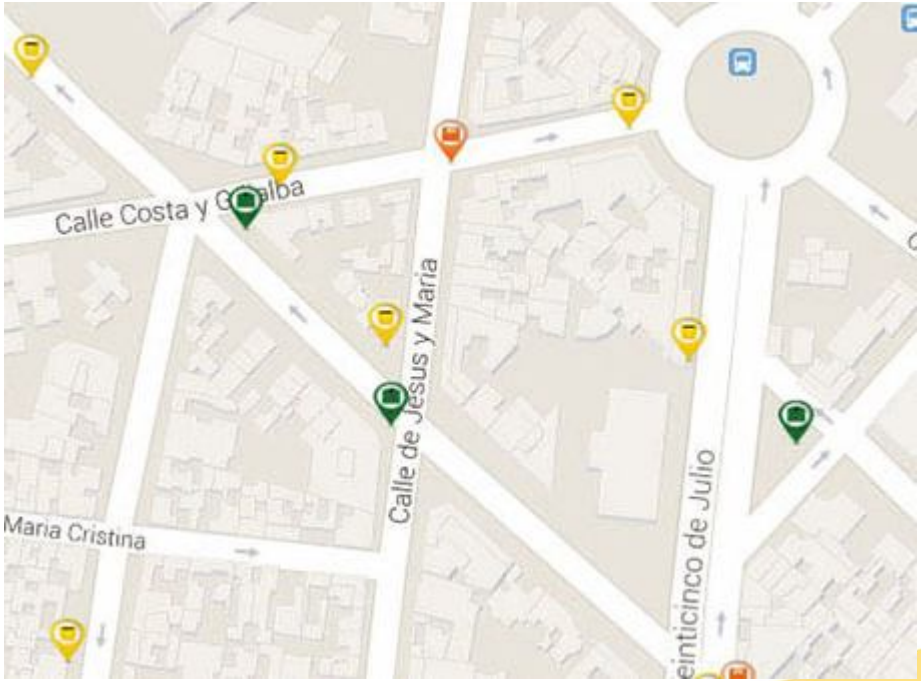
- Urban green areas
- Abandoned land
- Livestock way
- Bee-keeping





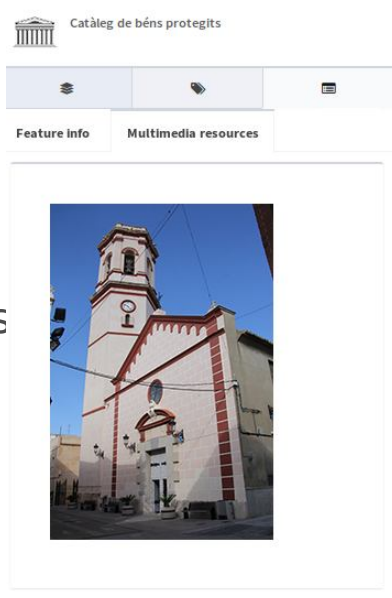
Urban waste

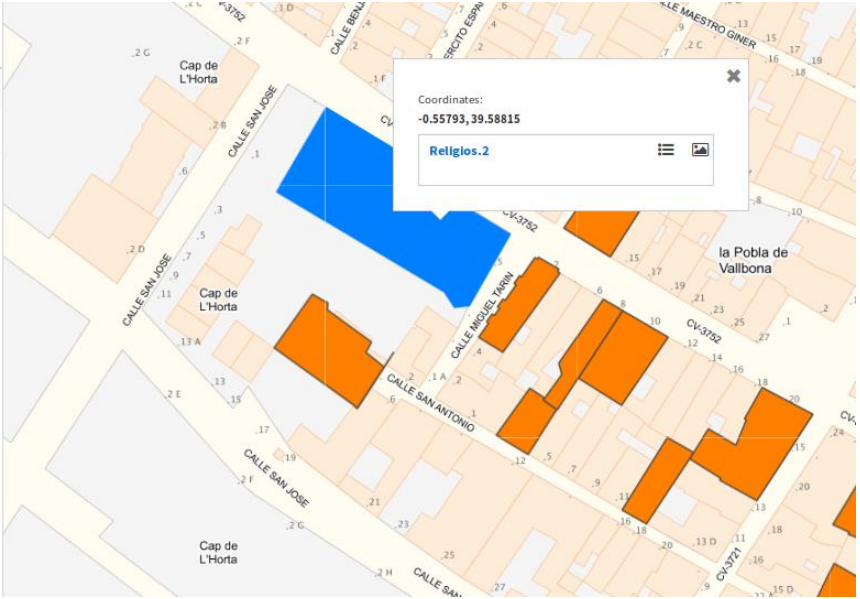
- Skips
- Recycling
- Clean Spot / Waste recycling site



Heritage

- Acknowledged National Historic Interest Items
- Boundary markers
- Paths
- Archaeological tasks
- Country houses, cisterns,...



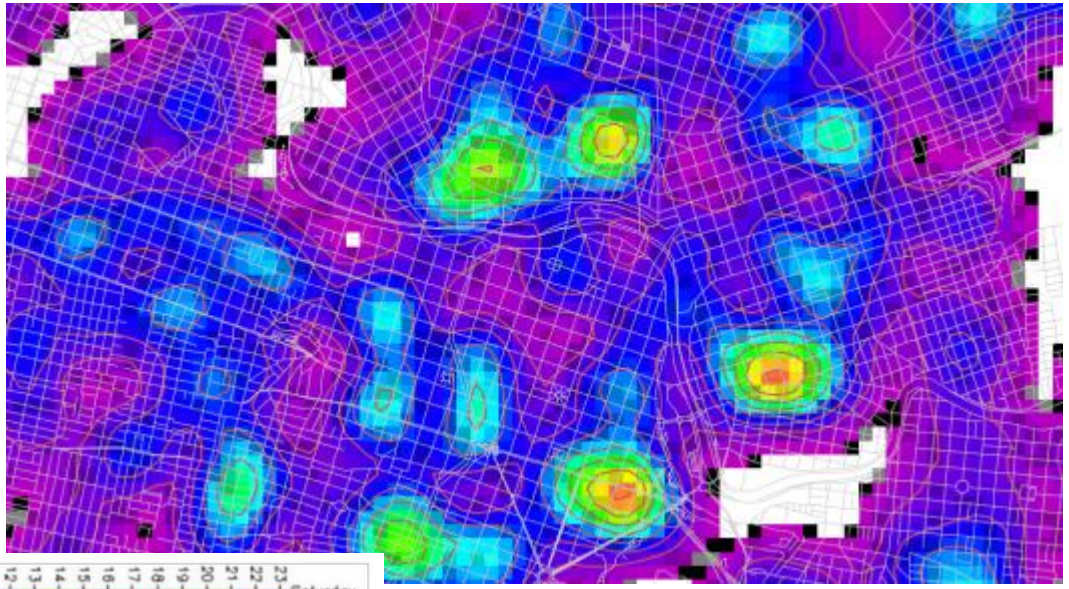


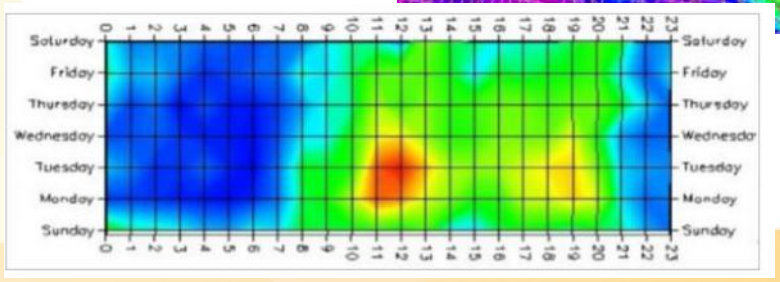
Trade and Industry

- Local business
- Industrial Parks

Citizen coexistence and safety

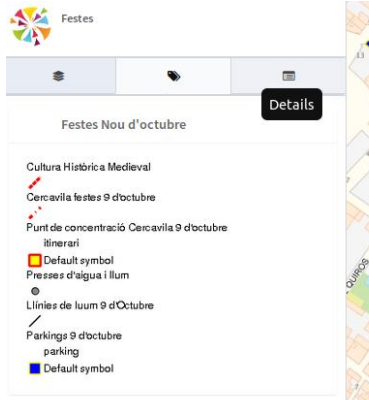
- Crime representation
- Local Police
- Emergencies

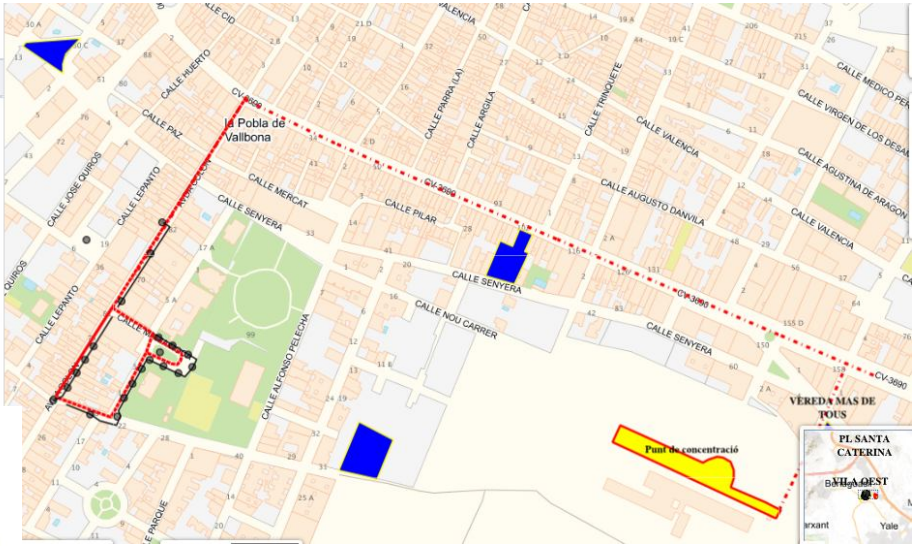




Tourism

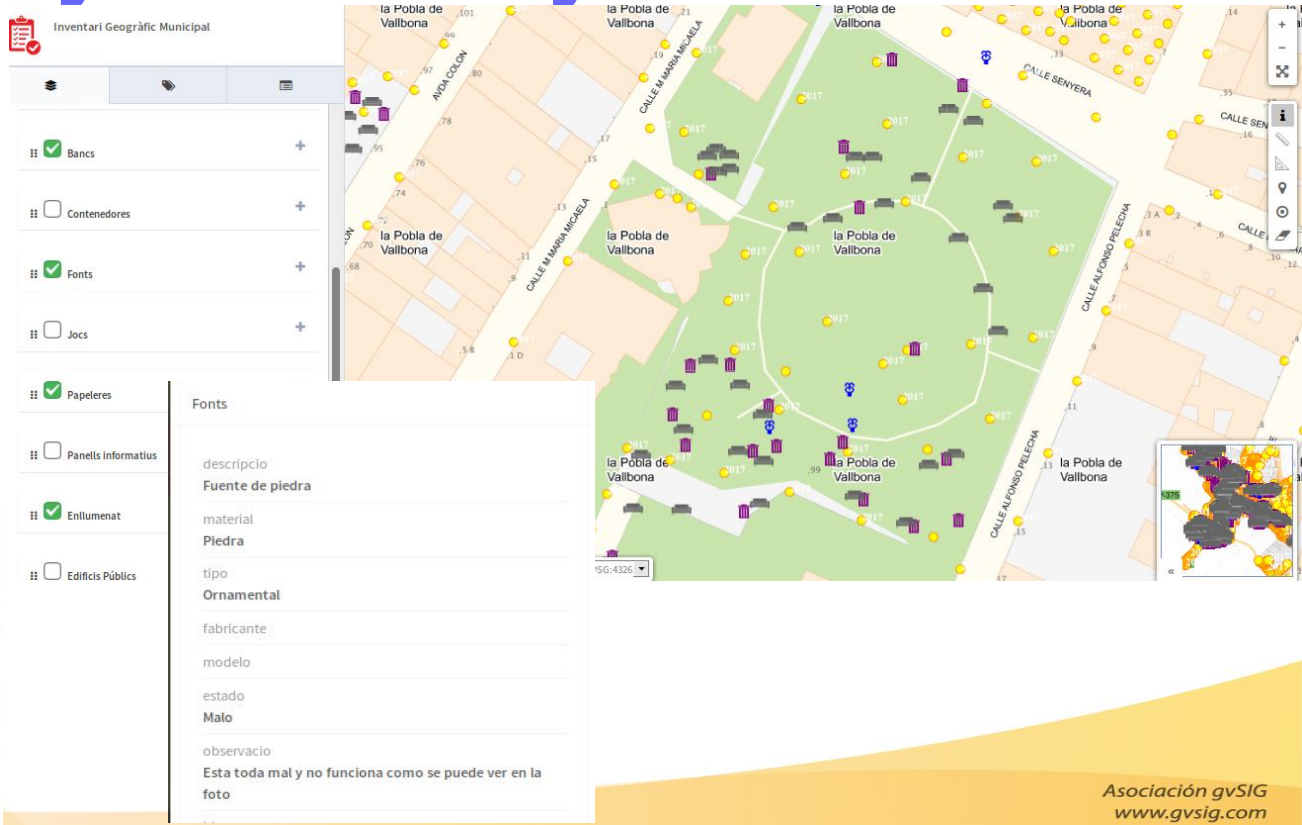
- Tourist maps.
- Entertainment and cultural activities.
- Thematic maps: Christmas, Eastern.
- Information about closed streets.





Municipality inventory

- Street lights
- Drinking fountains
- Benches
- Vertical signs
- Maintenance / Inventory state



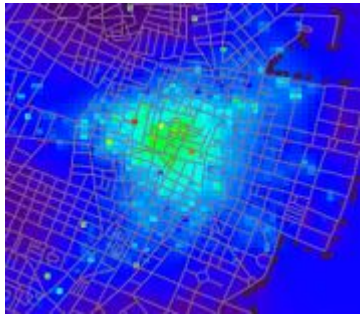
Integrations

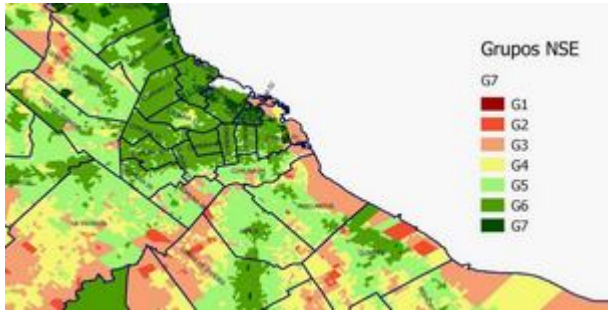
- Sensors (Sentilo)
- Document manager
- Open Data

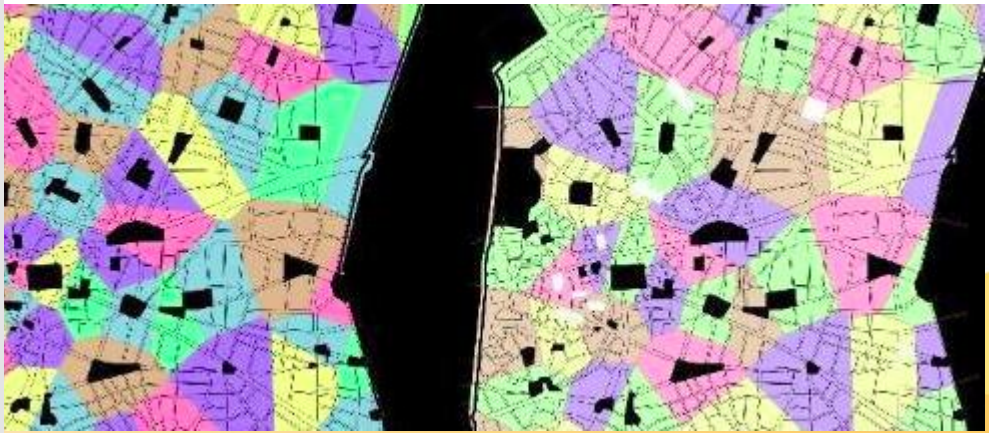
Alfresco™

Socio-economic analysis

- Education
- Age
- Job
- Opinion surveys
- ...







Implementation modalities

- SaaS. As a service.
  - External Hosting
  - System administration service
- On-Premise.
  - At city council servers
- On-Premise Plus.
  - At city council servers
  - System administration service
- OPEN SOURCE SOFTWARE. ANY COST OF LICENSE AND THEIR MAINTENANCE
- MAXIMUM TIME TO BE LAUNCHED: 3 MONTHS

gvSIG MApps

- Framework to create applications with “geo” component.

Contact...

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