gvSIG Association
www.gvsig.com

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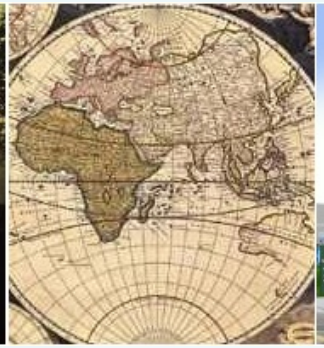

OSGIS 2011
22nd June

“gvSIG Project”

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gvSIG Day 22nd June 2011
OSGIS 2011
Third Open Source GIS UK Conference (CGS, University of Nottingham, UK)

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1. gvSIG Project
2. gvSIG Association
3. gvSIG Community
4. How to collaborate
5. gvSIG official projects
6. Cases Studies

1. gvSIG Project: Origin

- gvSIG was born in **2004** at the Regional Ministry of Infrastructures and Transport (CIT) of Valencia (Spain).

- Framework of a **full open source computer system migration** called gvPONTIS

- There was no advanced FOSS for GI management to replace closed source GIS tools.

- To **develop** a GIS product called **gvSIG**, investing money on a FOSS tool, avoiding wasting it on closed source licences.

1. gvSIG Project: Origin

FOSS philosophy

- *Economic and political aspects:*
  - To convert acquired knowledge into **sharing knowledge,** avoiding that sharing knowledge will be closed again (**GPL license)**
  - To create **local industrial fabric: new business model**
- Technical aspects:
  - **Modularity** in order to make the collaborations easier
  - Following the OGC standards and INSPIRE
  - **Internationalization:**Translation management, due to location of software is important to FOSS.

1. gvSIG Project: Origin

Two main products:

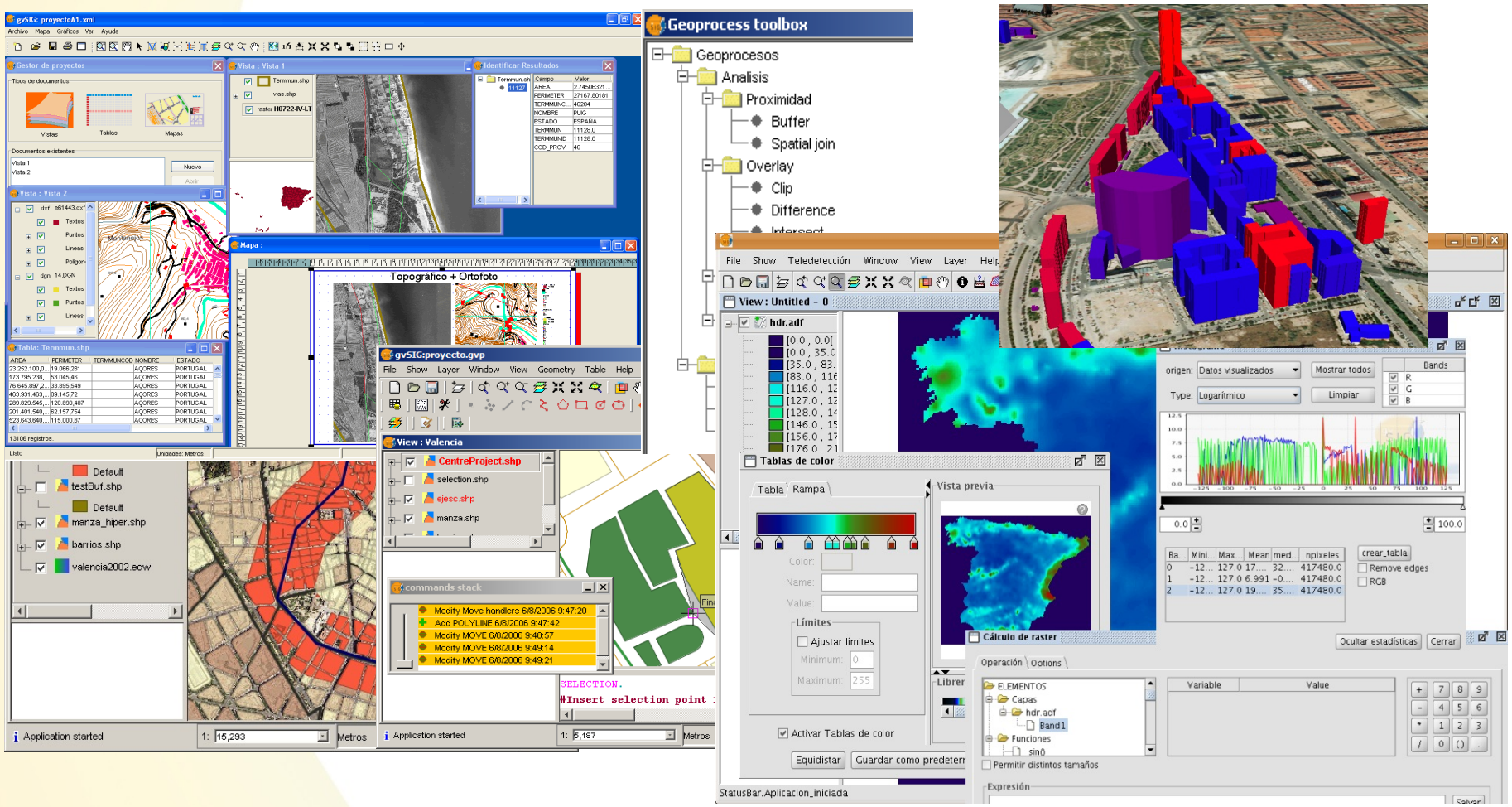
- **gvSIG Desktop** (Pcs/indoor)

- **gvSIG Mobile** (mobile devices/outdoor).

1. gvSIG Project: gvSIG Desktop

- gvSIG Desktop is nowadays **one of the most complete FOSS applied to GI management**. It includes GIS as well as SDI features.
- Features:
  - GI visualization: several formats, CRS management
  - Map representation: symbols and labelling
  - Geoprocessing
  - Printing outputs
  - Editing
  - Updating
  - Image processing and remote sensing support
  - LIDAR support
  - SDI access: WMS, WFS, WCS, WPS, ...
  - SDI outputs to publish by Mapserver or Geoserver
  - 3D GIS: planar and globe views

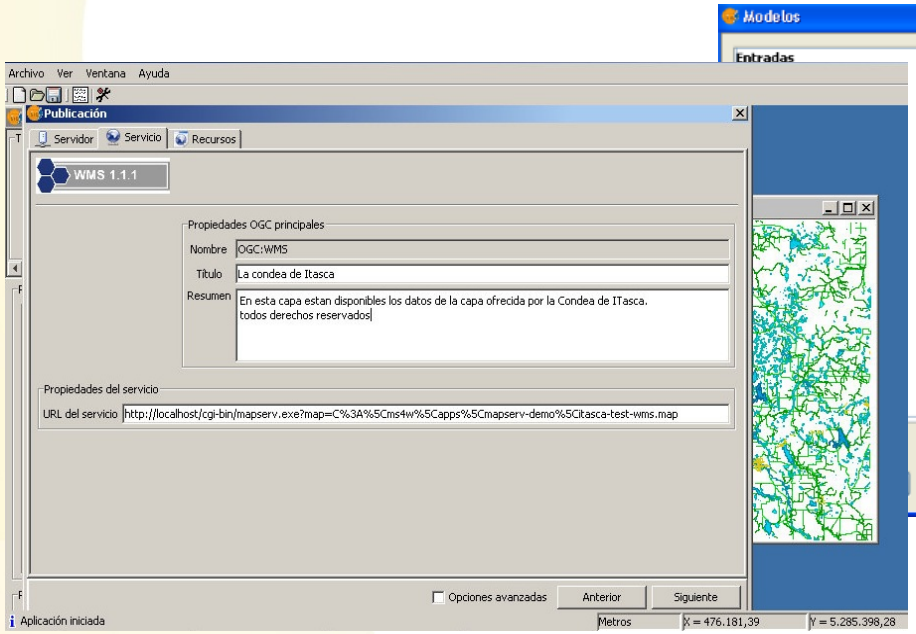
1. gvSIG Project: gvSIG Desktop

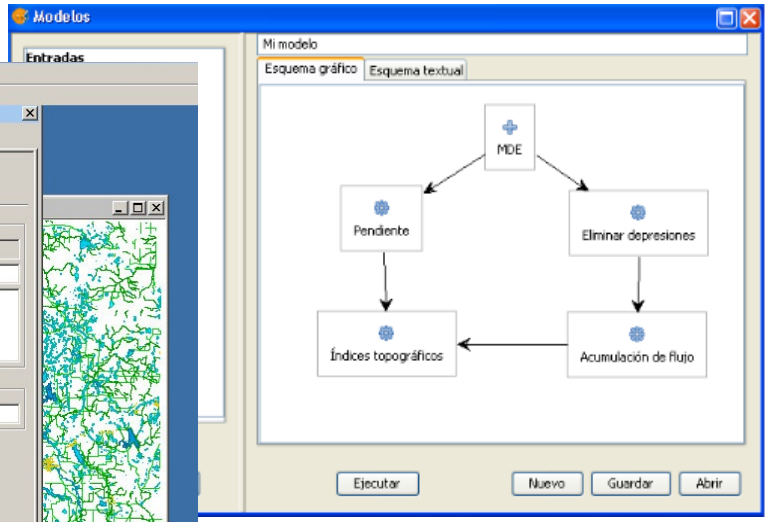


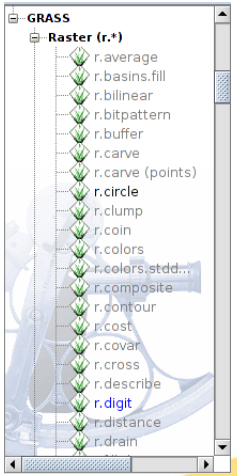
1. gvSIG Project: gvSIG Mobile

1. gvSIG Project: gvSIG Desktop

- Integration to other FOSS4G projects:
  - **Sextante**: more than 200 features, geoprocessing modeller.
  - **Mapserver and Geoserver**: publishing web services directly from gvSIG views.
  - **Grass**: access to all its features on the gvSIG view.

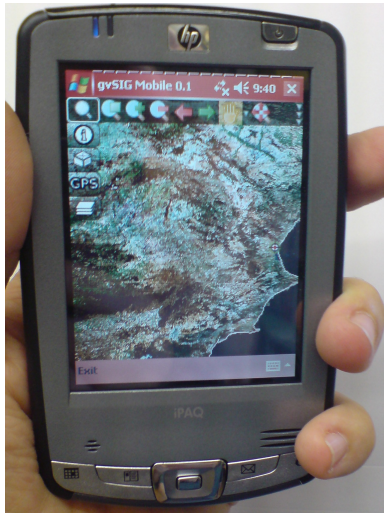






1. gvSIG Project: gvSIG Mobile

- It allows GIS experts to edit/update “in situ” GI
- Features:
  - GI visualization: several formats, CRS management
  - Map representation: symbols and labelling
  - GPS support: manual and automatic
  - Editing, editing GI
  - Selecting and searching data
  - SDI access: WMS, WFS...
  - POIs management, DDBB storage
  - Measuring and info features

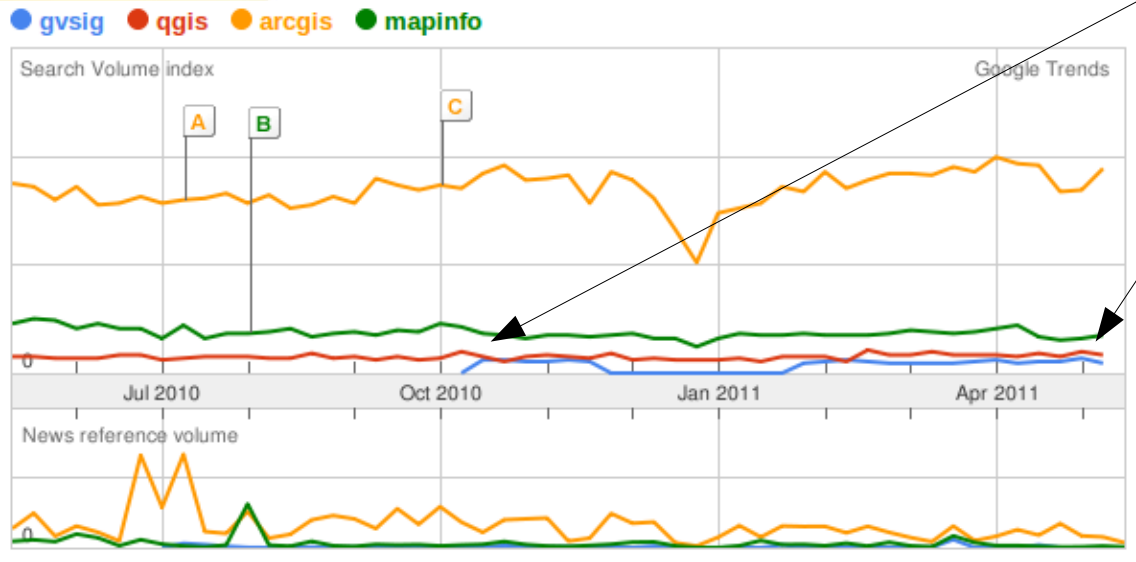


1. gvSIG Project: Evolution

- **2004:** Begining of the project
- **2004-2008:**
  - Regional, national and international interest
  - Community users and developers
  - Cluster of SMEs: Business Model
  - Infrastructure and Professional Structure (coordination of community)
- **2009**: **gvSIG Association:** Sustainibility
- **2010: Communities**. Local /Thematic/...
- **2011:** gvSIG Association becomes in an international reference in FOSS4G.....and we keep growing!!!

1. gvSIG Project: Evolution

Trends: Google Insights



1

2

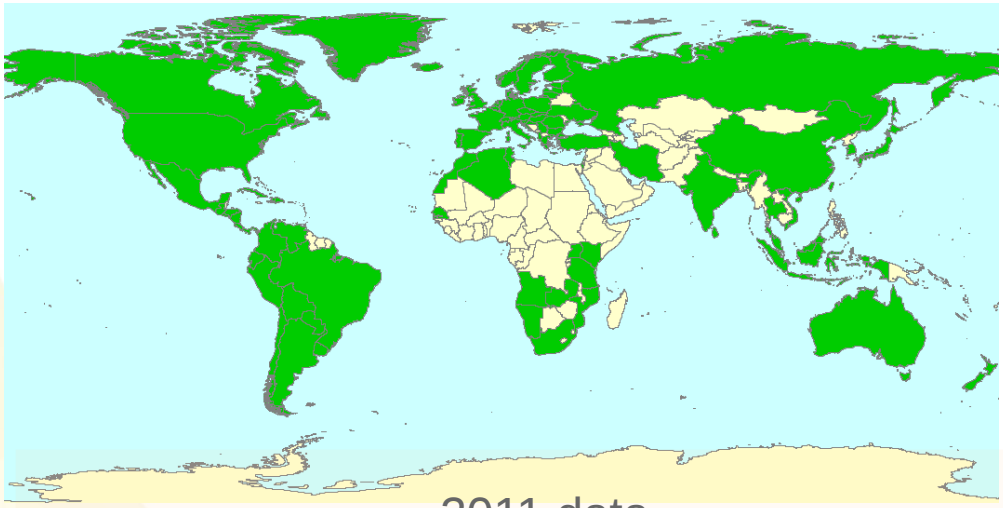
Regions

1. Italy
2. Switzerland
3. France
4. Poland
5. Germany
6. Japan
7. Australia
8. Spain
9. Canada
10. United Kingdom

1. gvSIG project: Evolution

Have a look to data like...

- Translated into +25 languages
- Downloads: +90 countries; last versión +100.000 direct downloads
- Mailing list; + 6.000 users. Social network: Planet, blog, twitter, facebook,...
- Events 2011: Spain (7), Italy (4), **UK (2**), France (1), Latin America & the Caribbean (3), Brazil (2), Uruguay (1), Argentina (1)



2011 data

1.gvSIG Project: Organization

http://www.gvsig.org

gvSIG's Ecosystem

gvSIG association
3
Steering Committee
PSg
Professional Structure
Community Coordinators
Testers
Documentation makers
Users
Developers
gvSIG Community
Universities
Companies
Public Administrations
Translators
Spreaders
gv SIG
1
2
Steering Technical Committee
Board

Contents

1. gvSIG Project
2. gvSIG Association
3. gvSIG Community
4. How to collaborate
5. gvSIG official projects
6. Cases Studies

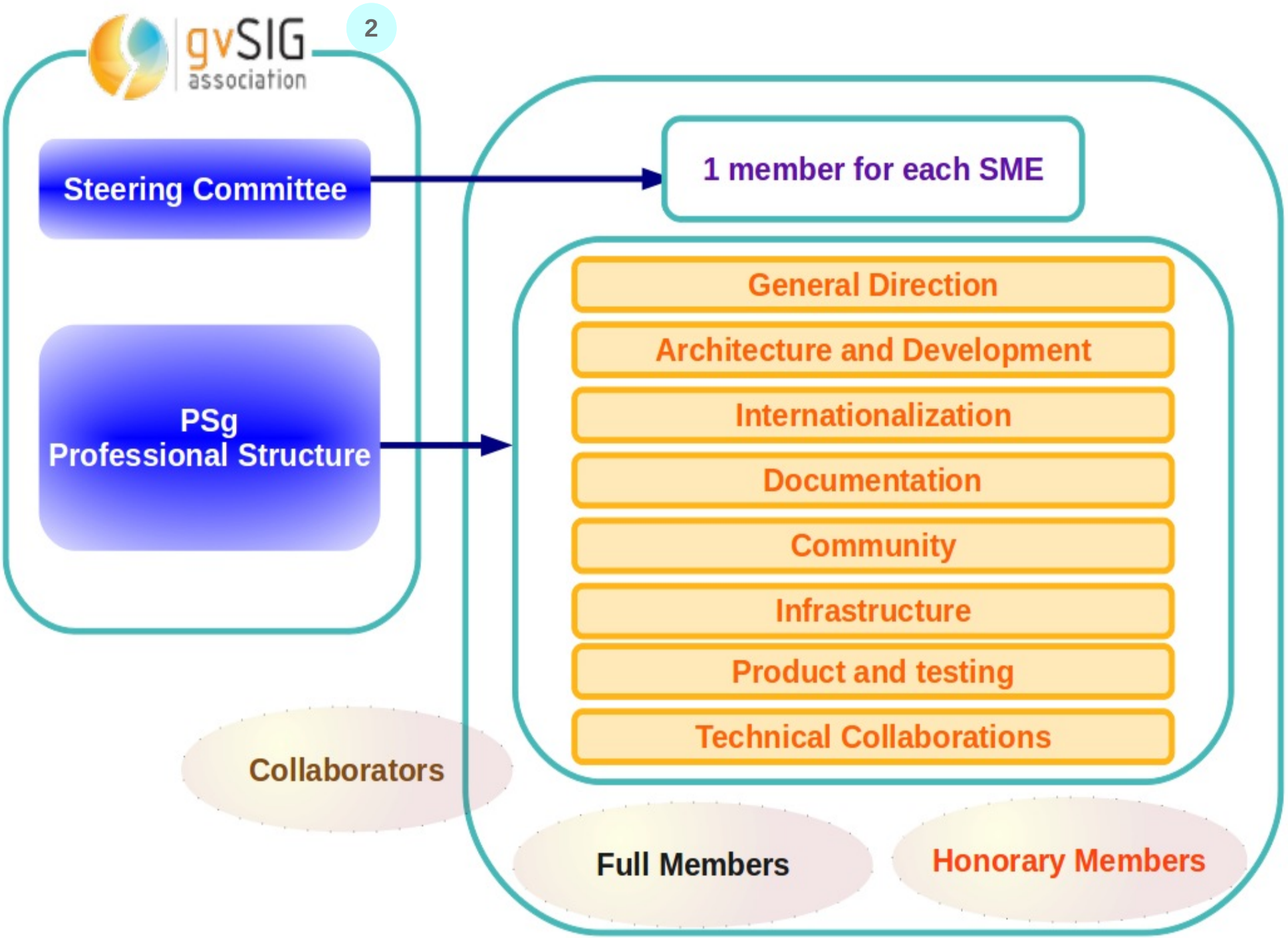
2. gvSIG Association

- **Objective:** To promote the development of gvSIG Project and FOSS4G
- **Common area for universities, administrations and SMEs**, to generate synergies between all of them
- Promotes the development of a **new business model** based on cooperation and shared knowledge
- To assure **the sustainibility of the gvSIG Project**

2. gvSIG Association

Business Model

- Focused on **SMEs: Competitive industrial fabric**
- Members:
  - **Full Members** (SMEs)
  - **Collaborators** (SMEs)
  - **Honorary Members:** (Universities, R&D centres, Mapping Agencies, etc.)

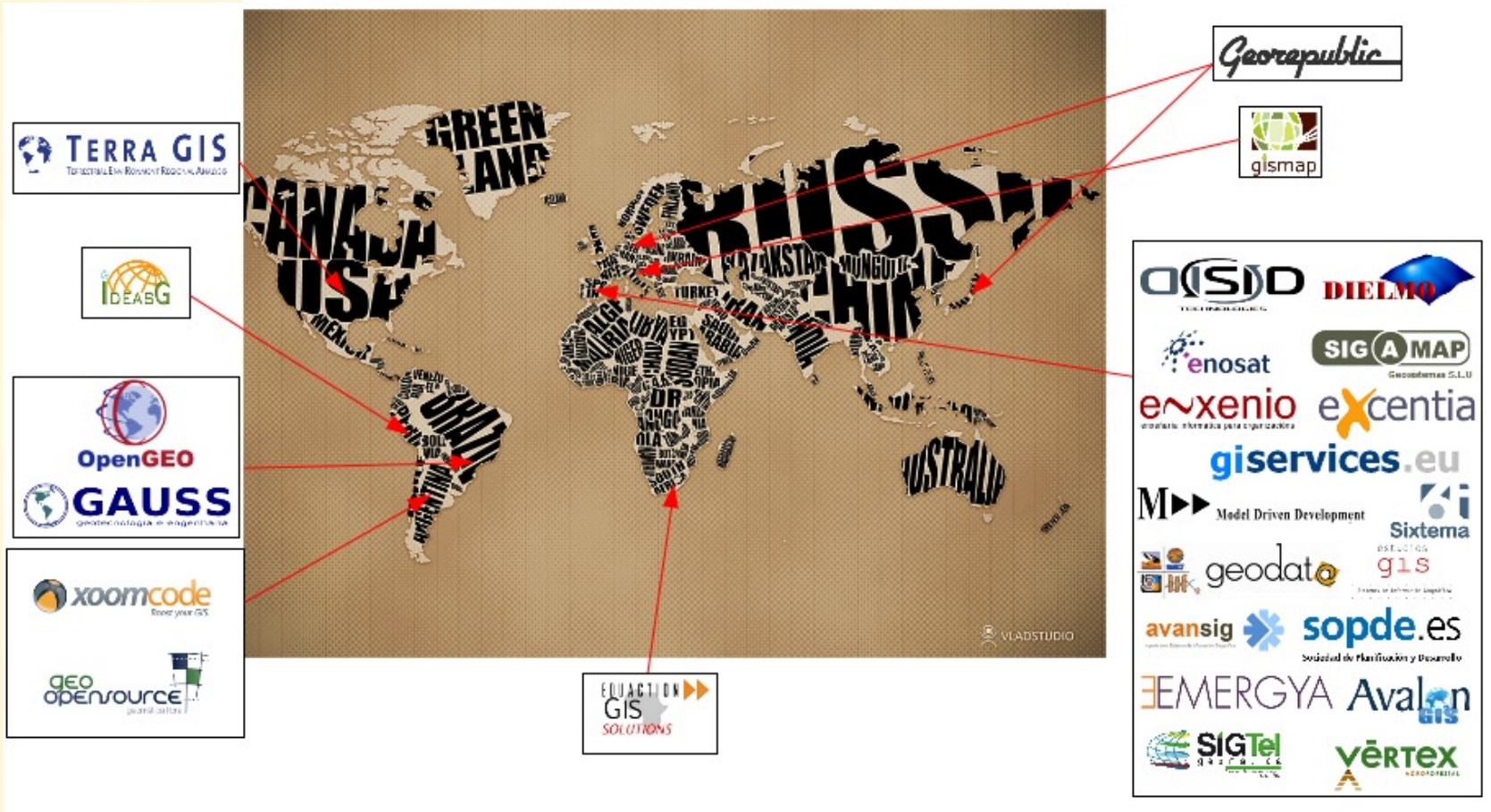

gvSIG association
Steering Committee
PSg
Professional Structure
1 member for each SME
General Direction
Architecture and Development
Internationalization
Documentation
Community
Infrastructure
Product and testing
Technical Collaborations
Collaborators
Full Members
Honorary Members

2. gvSIG Association

Full Members and Honorary Members

2. gvSIG Association

Collaborators (SME)



2. gvSIG Association

Business Model

- Collaboration between all of them in order:
  - To belong a big network of entities all over the world to spread business based on FOSS4G
  - To prepare public tenders together to achieve big projects as a competitive alternative to the private software
  - To participate in FOSS4G R&D projects

2. gvSIG Association

Professional services

- **Consulting and software development**
  - gvSIG: customizations, migration and system implementations,...
  - FOSS4G: Geoportals
- **Technical support**(users and developers)
- **Training :***(in situ or on-line platform: http://gvsig-training.com/)*
  - gvSIG and gvSIG Mobile: Official Certification
  - FOSS4G Technologies: *(Mapserver,PostGIS,OGC,etc..)*
- **Certification:** Based on the acquisition of a range of knowledges, which will ensure the skills of the students in the gvSIG products and / or FOSS4G.

2. gvSIG Association

Benefits

- Part of the benefits from the business activities will go back into the gvSIG project to get its **sustainibility**

2. gvSIG Association

http://www.gvsig.com

2. Do you want to join us?

Steps

1) Identify your profile: University, R&D Centre, SME(,..etc.
2) Indentify your interest and needs on gvSIG
   - To make business around gvSIG (Collaborator)
   - To participate in European R&D Projects: EUREKA, ITEA-2, EUROSTRAS,etc. As: SME, R&D Centre or University.
   - To impart training with gvSIG at the University
   - To be a member or a coordinator of Local/thematic gvSIG Community in UK
   - etc.....
3) **Please, put in contact with the PSg !!!!**

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3. gvSIG's Community

- gvSIG is a FOSS project, hence its **community is its major value**.

3. gvSIG's Community

- The Community around gvSIG is composed of **individuals** and **entities**:
  - **People** from Universities, companies and Public Administrations.
  - **Institutions** (one upper level of participation):
    - Universities (Labs, Faculties, etc.),
    - Companies (SMEs)
    - Public Administrations
- The main idea is that all these people have a common interest: ***gvSIG and FOSS in general***, *including business model.*

3. gvSIG's Community

- Many FOSS project communities are intended to be organized ONLY around voluntary developers, working on the projects on their spare time.

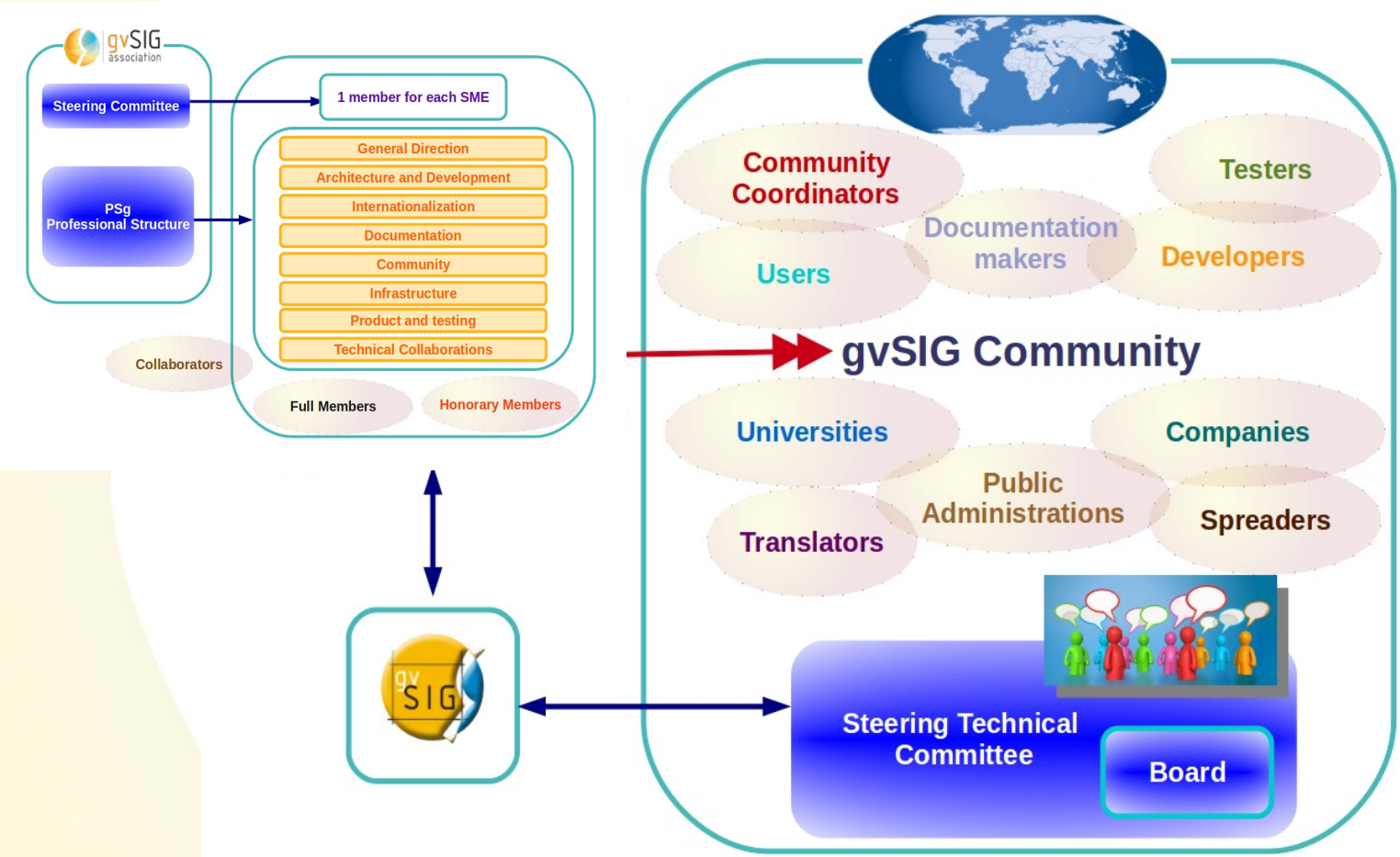
- gvSIG wants to include those volunteers, but also SME involved in developments based on gvSIG.

- These SMEs contribute to the **sustainability of the project** by means of building a business model around gvSIG.

3. gvSIG's Community

- Which **roles** are identified on the **gvSIG Community**?
  - Developers
  - Users (the best testers!)
  - Testers
  - Translators (docs. and interface)
  - Documentation makers
  - Development Business Managers
  - SME offering software services
  - Spreaders
  - Community coordinators
- Those areas are not isolated, nor the people that work on them.
- We promote the **synergies between them**.
- Each role is related to a different area of the gvSIG project (PSg)

3. gvSIG's Community



3. gvSIG's Community

- Each area of the PSg has lots of collaborators...
- **How do we organize the task to be done?**
    - Pointing out a manager for each area
    - Creating thematic communities,
    - and also geographical communities (linguistic)
- The **Community Management Area** of the PSg is the coordination core.
- The **coordinator groups** of each community arises from the own community. They are responsible for committing their own goals at their own way, being an organized net. gvSIG respects their sovereignty.

3. gvSIG's Community

- How do we create this organized net?
  - By identifying **people at different countries** with technical and social skills interested on gvSIG and FOSS4G
  - Contacting them in order to create a **coordinator group**
  - Making **spreading efforts** together (events, workshops, presentations, social networking, etc.
- The main goal is to:
  - encourage the development of gvSIG Community all over the world
  - provide new ideas about software production
  - promote technology independence on GIS

3. gvSIG's Community

Examples of organized communities that are on the way right now (next “La Comunità Italiana de gvSIG”):

And we are working on:

- Germany
- United Kingdom
- Uruguay
- Chile
- Venezuela

- Campus (university, etc.)
- Women (sopde.es)

3. gvSIG's Community

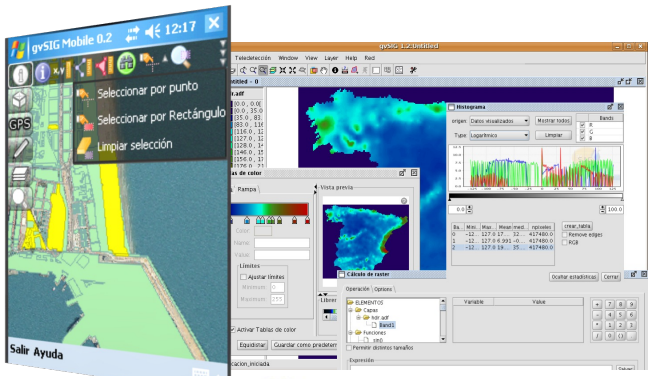
- The Community has **collaborative tools** in order to carry out its work:
  - **Technical:**
    - Open Source Observatory and Repository
    - Subversion, mailing lists, trackers, ...
    - Plone for: docs, String Internationalization, official projects, ...
  - **Spreading:**
    - Social networks, planet, spreading content, case studies,
  - **Philosophical:**
    - Blog, OpenPlanet, ...

3. gvSIG's Community

- The Community Management makes special effort in order to **promote the organization of local gvSIG and FOSS4G events**.
- For 2011 we have helped to achieve:
  - **Quarte Giornate Italiane di gvSIG (Italia – Udine)**
  - 2º gvSIG Day in Nottingham (UK – Nottingham)
  - 1º Jornadas Nacionales de gvSIG (Uruguay – Montevideo)
  - 1º Journeé gvSIG à Rennes (Rennes – France)
  - 1º Jornadas Nacionales de gvSIG Argentina (Tucumán)
  - 3º Jornadas Latinoamerica y Caribe (Itaipú – Brazil)
  - 7º Jornadas Internacionales gvSIG (Valencia - Spain)

3. gvSIG's Community

- If we achieve all these goals, we will be building:
  - a new way of **producing software**
  - a new way of **doing business**



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Part II of the Workshop

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Part II of the Workshop

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6. Case Studies

http://outreach.gvsig.org/case-studies

Africa

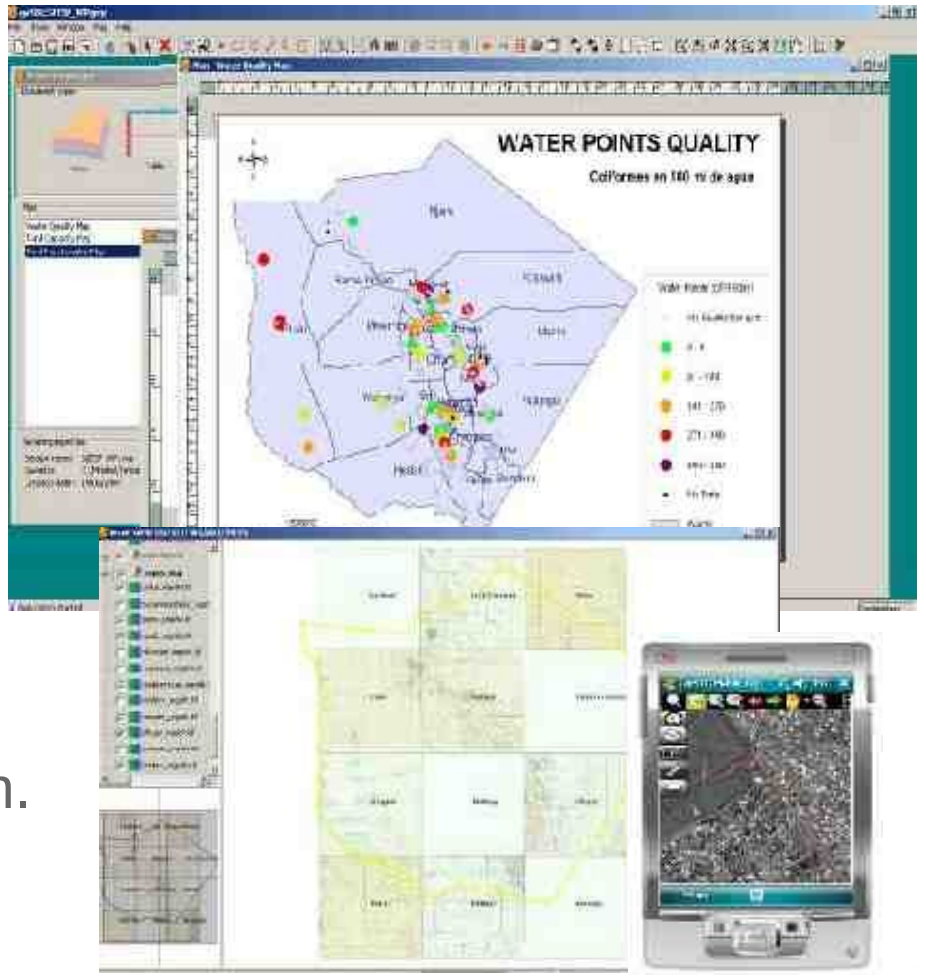
- **Tanzania**: GIS of hydro-sanitary program of Same district. gvSIG Desktop.

- **Uganda**: Management of water networks. gvSIG Desktop

- **Gambia:** Data collection process. World Food Programme. gvSIG Mobile.

- **South Africa**: gvSIG in Education. Collaborator company.

- Users in Tunisia, Egypt, Morocco...



Latin America

- **Honduras, El Salvador**: gvSIG Fonsagua. GIS application to manage water and sanitation programs. ISF. gvSIG Desktop.
- **Venezuela**: Spatial Data Infrastructure of Venezuela. SDI
- **Uruguay:** “Plan Ceibal” One Laptop Per Child. gvSIG Desktop.
- **Brazil**: Forest management.
- Users around Latin America...

Latin America

Cuba Forest Management

History GIS
Ciudad de la Habana

Evaluation of “Mariposa Monarca” reserve

Local management (Guatemala)

Catastral manag. (Méx.)

Local management (Honduras)

Water management (Venezuela)

Gardens & Infrastructures manag. (Col)

Hydroelectric management (Ven)

Risk Management (Com. Andina)

Environment Monitoring (Ar)

Evo Cumple Program manag. (Bol)

SDI Santa Fe

Yerba-mate production manag. (Br)

Politicas de habitação de interesse social

Urban Infrastructures Manag. (Ar)

Transformação de Chuva em Vazão
na sub-bacia.do Rio Pariquera-Açu

Risk Management (Ar)

Environmental Atlas

Catastral management (Ar)

Birds Population
Management

Census data analysis

Surveying usage

Asia & Oceania

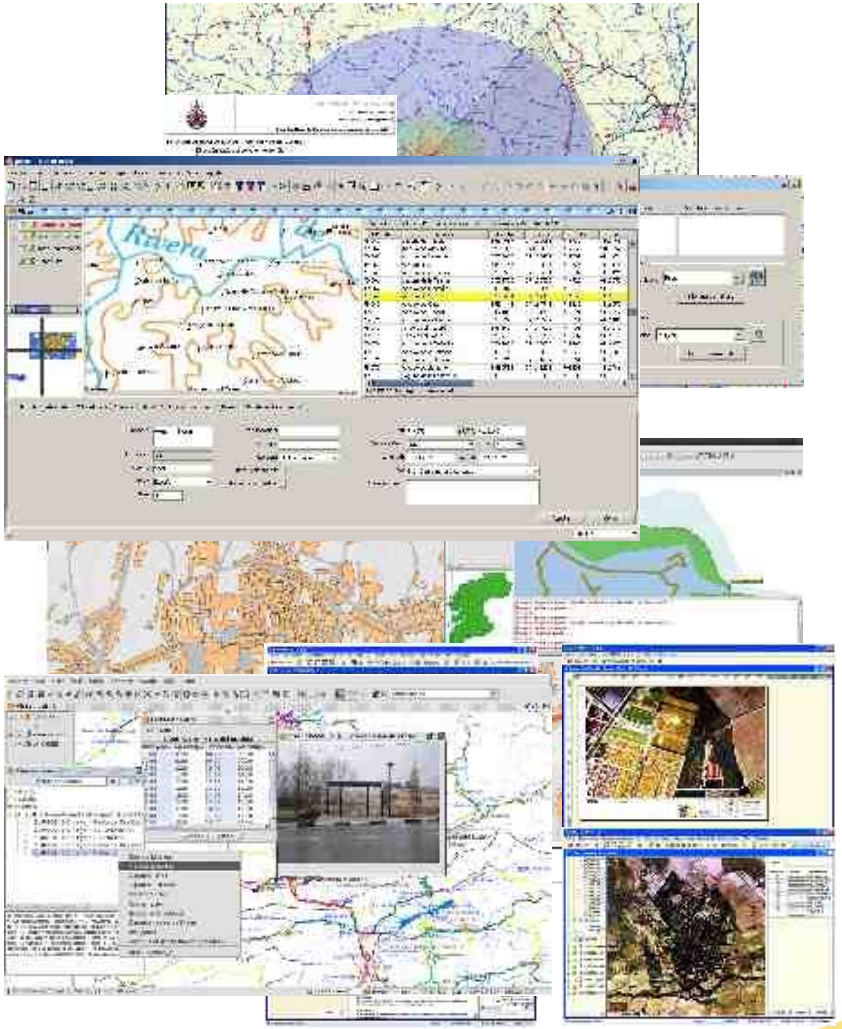
- **Australia**: Environmental Usages
- **New Zealand**: Electric company
- **Japan**: gvSIG Training
- **Cambodia:** Cadastral Management.
- Users in India, China, South Corea,....

Europe (Spain)

- Central Administration: IGN, Ministry of the Environment and Rural and Marine Affairs, Ministry of Public Works, Ministry of Science and Innovation, AECID, CSIC, …

- Regional Administration: Junta de Andalucía, Junta de Extremadura, Generalitat Valenciana, Gobierno de La Rioja, Gobierno Vasco,...

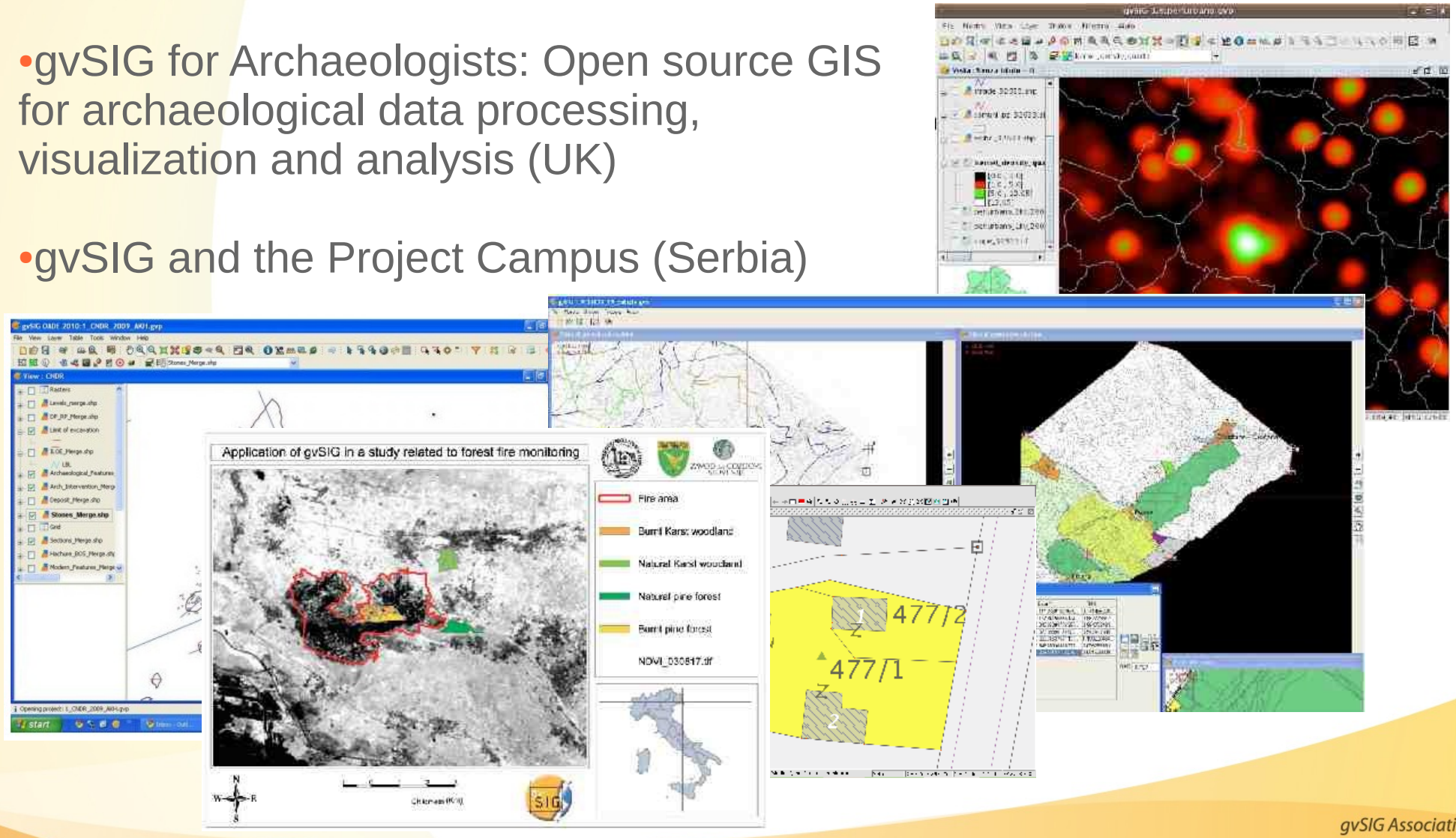
- Local Administration: Diputación de Málaga, Dip. de Pontevedra, Dip. de Jaén,...



Europe:UK, France, Italy,Germany...

- gvSIG for Archaeologists: Open source GIS for archaeological data processing, visualization and analysis (UK)

- gvSIG and the Project Campus (Serbia)



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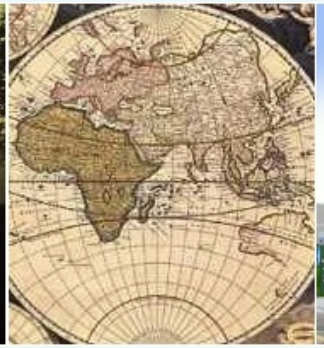

OSGIS 2011
22nd June

Thank you very much!!!

“gvSIG Project”

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gvSIG association

creative commons

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