

GIS PLANET 2005

An Open Source Solution for the GI World

Looking for an Open Source/Open Standard
Solution

Infrastructures and Transport Department

Presentation

 Department of Generalitat Valenciana (Valencian Government)

 Service areas / Competitions:

 Public Works

 Transports

 Architecture

 Ports and Coast

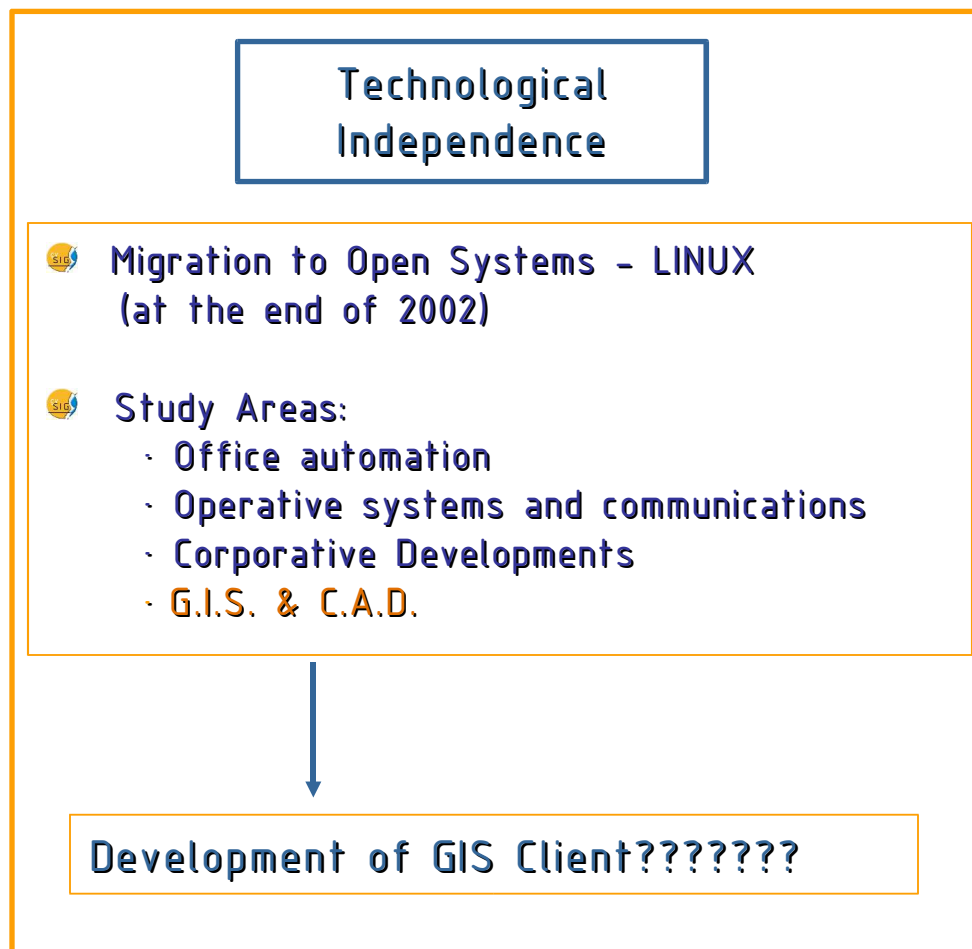
 Telecommunications

 Energy

- Great Organization
- Wide range of tasks
- Technical Staff
- GeoSpatial Information
- G.I.S.

Infrastructures and Transport Department

Migration Frame to Open Systems



Development of GIS Client: gvSIG

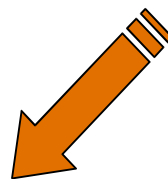
Previous work

Analysis of necessities.
Survey to users of GIS/CAD
tools.

- Visualization
- Query
- Edition
- Spatial Analysis
- Topology
- Mapping
- Print



Analysis of G.I.S.
Programs. Free software
world and proprietary
software.






Requirements definition.

- ArcView
- ArcGIS
- Jump
- Grass
- AutoCAD
- MicroStation
- IntelliCAD

Development of GIS Client: gvSIG

Frame of gvSIG

-  Public Tender: Exp. 2003/01/0090
-  Programming language selection. C++ vs Java.
-  Software Prototype → Language and company selection

-  Infrastructures and Transport Department
-  IVER TI S.A.
-  Jaume I University

Evolution of gvSIG

Spatial Data Infrastructures (SDI)

 S.D.I.: new use of spatial information.

 INSPIRE: INfrastructure for SPatial InfoRmation in Europe <http://inspire.jrc.it>

 Objective SDI: to make more and better spatial (geographical) information available for Community

 Objective gvSIG project: gvSIG evolution to SDI Client

 ISO 19115: Definition of the schema required for describing geographic information and services.

 Standards of Open Geospatial Consortium (OGC).
<http://www.opengeospatial.org>

Evolution of gvSIG

New horizons

Give solution to all necessities related to the handling of Geographic Information being based on the integration of Open Source technologies.

GIS business. New Market: Open Source Model