5as Jornadas Internatcionales
2, 3 y 4 diciembre de 2009
Centro de eventos Feria Valencia

5th International Conference
2, 3, 4 december 2009
Convention Centre-Feria Valencia

Autonomous Province of Bolzano
Autonome Provinz Bozen – Südtirol | Provincia Autonoma di Bolzano – Alto Adige

gvSIG as a standard client for an infrastructure based on GIS WebServices within the Autonomous Province of Bolzano

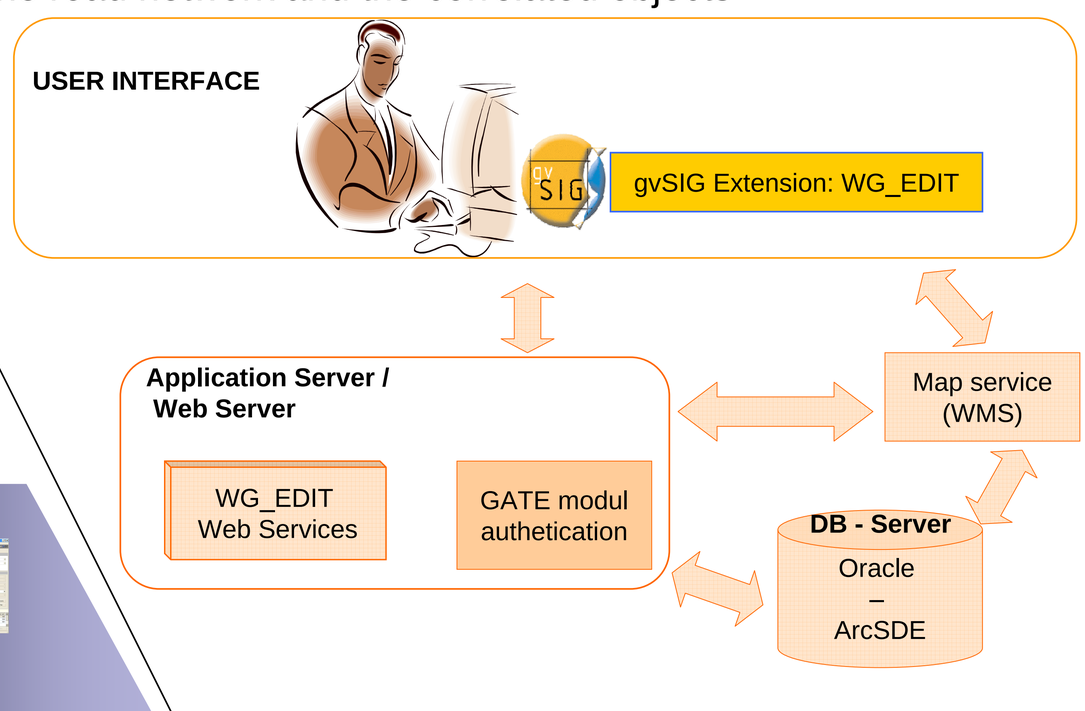
The implementation of gvSIG extensions

Objectives

- ✓ Three-tier architecture
- ✓ System has to cover a large number of requests
- ✓ System with reduced costs for maintainance
- ✓ Persistent topology
- ✓ Unified management of geodata and alphanumeric data
- ✓ Database – data integrity, data security
- ✓ Standardisation of the communication interfaces (WebServices)

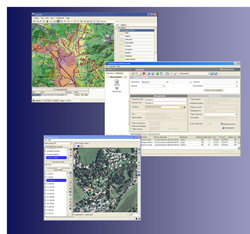
Module 1 WG_EDIT:

Introduction of gvSIG as editing client in a data management system of the road network and the correlated objects



- Editing geodata (lines)
- Editing attributes of roads
- Calculating/editing z-coordinate
- Functionalities to guarantee the network topology (snapping, managing multipart objects)
- Query functionalities

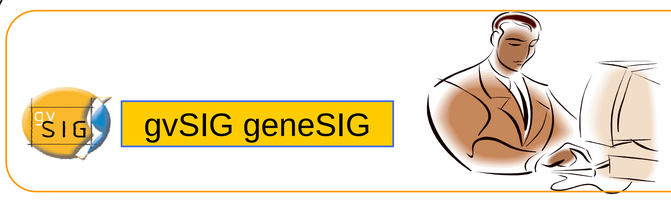
2007



Requests for solutions for Geodata management

2013

gvSIG …
as a client within a running system



gvSIG …
as client to interact with newGIS

- multilingual user interface
- load project from MetaDB
- sign on through SSO Manager
- support of topology
- support of transactions
- verify newGIS Rules
- environment for newGIS Services

Module 2 pilot project geneSIG:

Gis IT – Infrastructure based on gvSIG as standard client. geneSIG with editing functionalities to interact with the new data structure

Outlook

- ✓ gvSIG as the "Standard-GIS-Client" within the public administration
- ✓ gvSIG as substitution of ESRI-Clients
- ✓ taking advantage of OpenSource & gvSIG communities
- ✓ reduce current licence costs

Department 9 – Information Technology
Office 9.6 – Statistical and Geo- Informatics
http://www.provinz.bz.it/informatik/themen/maps-webgis.asp