Possibility of Utilizing Participatory Spatial Data Sharing Platform for Hanoi Project





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Who am I ?

Research master degree in computer sciences (2004)

Founded GeoLabs company in 2006 (France)

Founded GMC-IC company in 2008 (Senegal)

Research Interests

OpenSource software

Complex GIS algorithms and models development

What kind of solutions we provide ?

- Professional Web content editing system and document management – OOCMS
- Geographic Data Infrastructure management MapJax
- Complete GNU/Linux Distribution GeoLive
- Developping complex GIS and 3D application development (IGN 3D Geoportail)
- ZOO Project

What is OOCMS ?

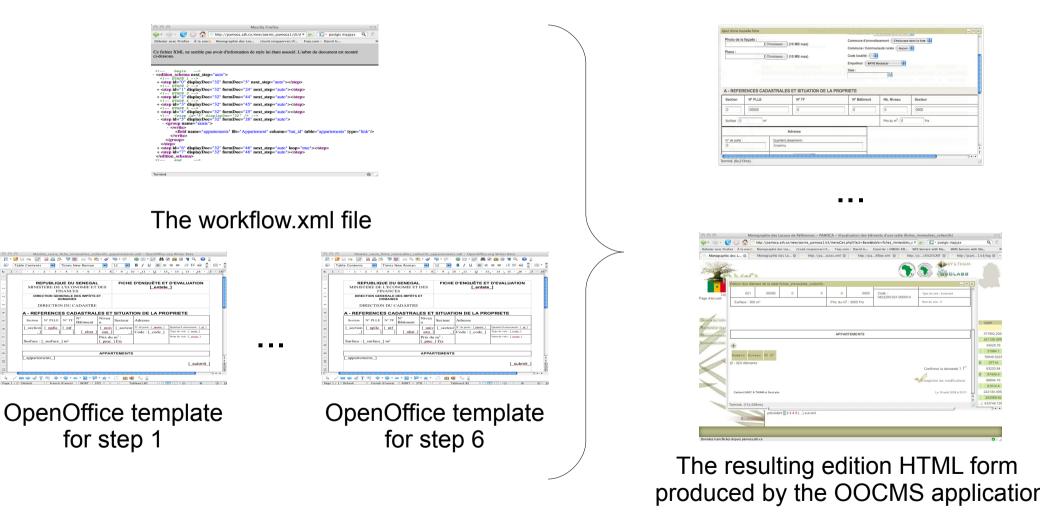
OpenOffice Content Management System.

It is a powerful system which let you easily build your own document management system.

Document production is performed by an OpenOffice server which let the user define his own edition interfaces (forms) and complex document production processes.

XML > HTML

What is OOCMS ? A brief overview of editing system



Example OOCMS applications

Regional Direction of Equipement,

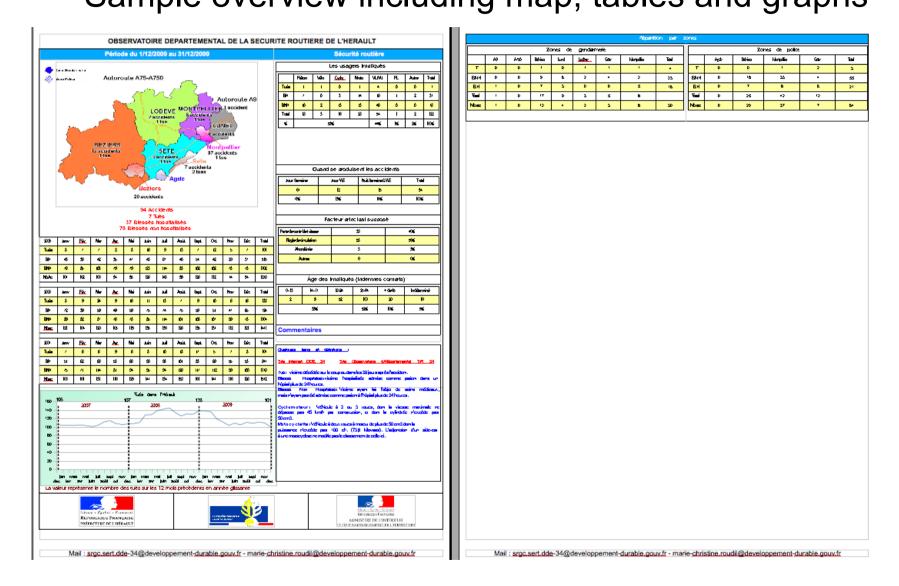
managing car accidents and providing an overview report of the regional localisation, recent numbers and kind of accidents.

French local gouvernement, Building facilities management system

National Senegalese Land Registry PAMOCA Project

OSGeo Marketing Document management system

Example OOCMS report Sample overview including map, tables and graphs





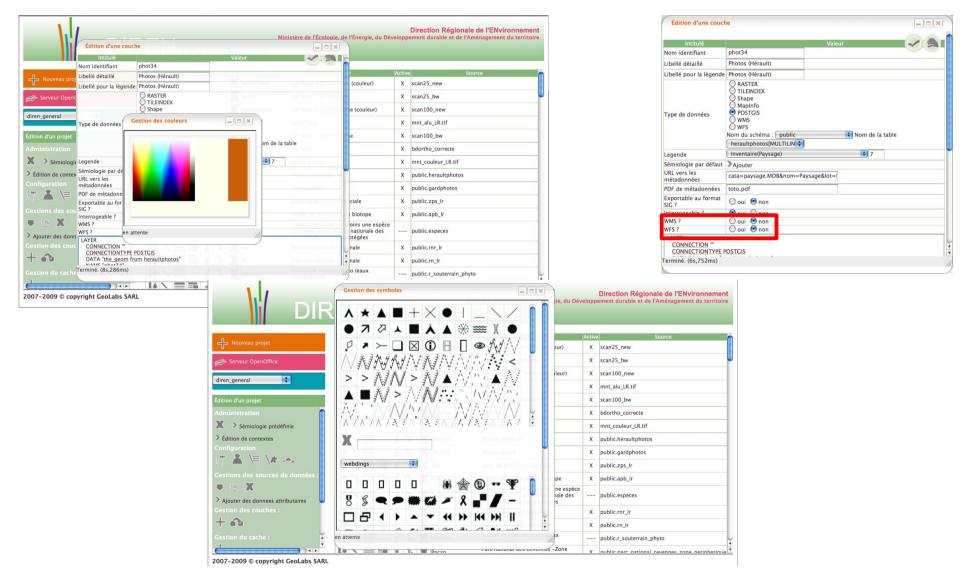
What is MapJax ?

An easy to deploy Web-GIS solution.

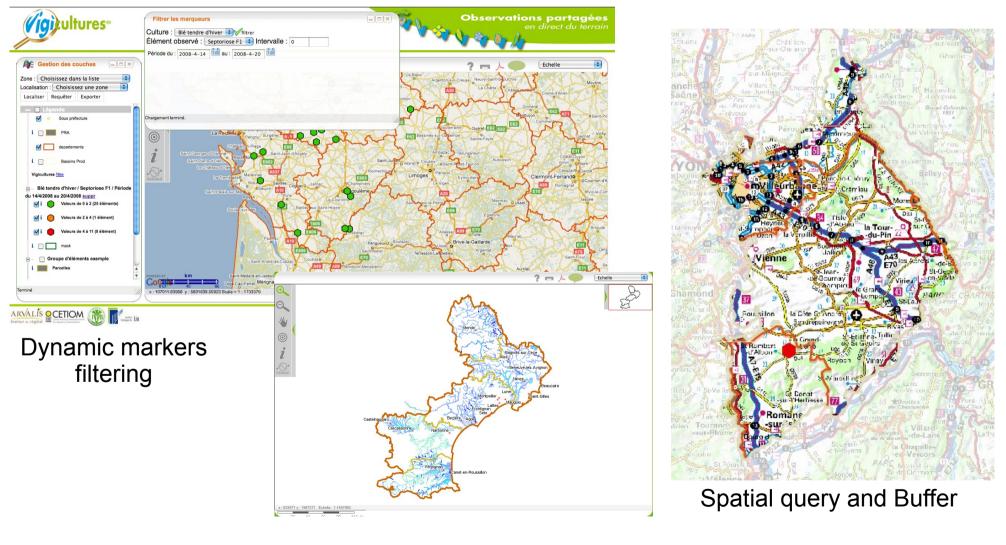
It provides numerous functionalities, including :

- Data integration in PostGIS database,
- reprojection/format convertion (using GDAL/OGR)
- metadata edition
- On demand WMS/WFS webservices (using MapServer),
- create/edit/delete data layers,
- create different cache of tiles (using Tilecache),
- OpenOffice template to output map in PDF, DOC, XLS or any other supported formats by OpenOffice (stats, graph, curves...)

What is MapJax ? A back office to configure and deploy Web Services



What is MapJax ? A front office to display and query data using OGC Web Services



Standard OpenLayers Viewer (YAC)

Example MapJax applications

Regional Directions of the Languedoc-Roussillon (our regional location).

National Senegalese Land Registry

Arvalis French Vegetal Institute

What is GeoLive ?

A complete GNU/Linux distribution which include pre-built packages requested by the pre-installed OOCMS and MapJax applications.

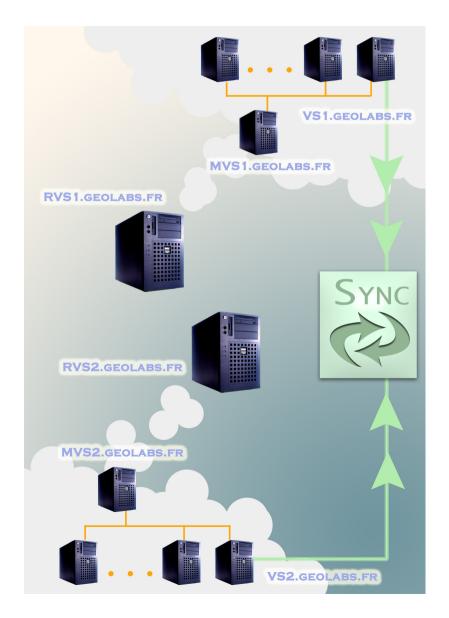
Easier, more secure and sustainable deploiement of our solutions

Ensuring easy maintenance of servers and applications.

Virtual Server support.

Synch capability.

What is GeoLive ? Overview of sync capability



Example GeoLive application

In any GeoLabs/GMC-IC projects which runs on GNU/Linux server.

Massive use of Virtualization and Synchronization Capabilities.

Orchestration

GEOLIVE

+

OOCMS

+

MapJax

Full-featured web GIS application

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