



FOSS4G2006 - Free And Open Source Software for Geoinformatics

Tuesday 12 September 2006 - Friday 15 September 2006

Lausanne, Switzerland

Conference Scientific Programme

[WKS] Workshop

Workshops are a great way to help each other learn. They are grouped into two levels: introductory and advanced, to satisfy a range of personal interests. For more details, see [Workshops page](internalPage.py?pageId=3&confId=1).

[WEB] MapServer

MapServer-based web mapping applications: news, evolution, tools, etc.

[WEB] MapServer and thematic mapping

Special topic for statistical thematic map presentation using choropleth and graduated symbol techniques.

[WEB] MapGuide Open Source

State of the art. Plan of evolution. Main algorithms. Supported formats, etc.

[WEB] Web Tools

Online mapping using CartoWeb, Chameleon, ka-Map, Mapbender, Mapbuilder, etc.

[DEV] Libraries, toolkits, utilities and components integration

Using GDAL, Proj4, Geotools, GEOS, MapNik, etc. Integrating components for custom data processing - from libraries to web services and using scripting environments.

[DEV] FOSS4G and non-FOSS4G compatibility

For mutual benefit, there need to be interfaces with non-FOSS4G tools. What are the current and upcoming middleware solutions to aid this collaboration?

[DEV] Location-Based Services (LBS) and Mobile GIS

Research and development for location-based services, facilities management, etc.

[DEV] Geospatial Databases

Developments in PostGIS and MySQL Spatial. Ability for advanced geospatial data modelling. Strength of spatial operators and relationships.

[DEV] FOSS4G in remote sensing, mapping and image processing

From satellite/aerial cameras to accurate image maps. OSSIM Project...

[DEV] Three-dimension visualization

3D viewing of geodata objects. Open 3D GIS, NASA WorldWind...

[DSK] GRASS Project

News and development of GRASS. QGIS integration...

[DSK] Desktop tools

From data viewing to analysis, including all tribes (C, C#, Java, Python, ...). What about QGIS, Thuban, MapWindow, JUMP (OpenJump, deeJump, empowering with plugins), uDig, gvSIG ...

[SDI] FOSS4G in government bodies.

Large or small, from local to national, case studies, experiences and needs.

[SDI] European context with INSPIRE directive

FOSS4G implementing « view » and « use » methods to access geospatial data.

[SDI] Geodata exchange and sharing

Access using Geoserver, deeGree, GeoNetwork, GeOxygene...

[SDI] OGC Standards in FOSS4G

FOSS4G for geospatial systems interoperability through OGC's standards adoption.

[SDI] Free Open Geospatial Data

Toward high-quality free open geospatial data in Europe ? Current situation, stakes and possible evolutions/solutions. Public Geodata Licence (PGL).

[USE] FOSS4G implementations / use cases

In regional planning, management of natural resources and infrastructures... In meteorology, climatology, agriculture... From local scale to global scale. In education : from introductory to specialized teaching. In Non-profits and Non Governmental Organizations In Disaster Preparedness and Disaster Response Managing large datasets e.g. Imagery warehouses Earth Observation applications Grid Computing applications ...

[COM] Open Source Geospatial foundation

Topic about the foundation: goals, mission statement, governance model...

[COM] Governance and collaboration of communities

Meeting to favour synergies and brain waves toward common goals...

[BIZ] Business opportunities

Presentation of typical project lead. Particular conditions, strength, disadvantages of leading a project using FOSS4G.

[BIZ] On-demand Online Geoservices

Google Maps, MSN Virtual Earth, Yahoo Maps market impact.