

Friendly Tour



HydroloGIS
Environmental Engineering

**A Friendly Survey of
Popular Geospatial Services**



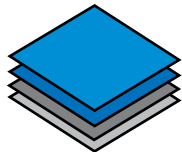


Return of the Stack



Browser

OpenLayers



Map Bender

Map**b**ender



Data Products

OSM



Mobile

gvSig Mobile



Desktop

Grass GIS



JUMP



kosmo



QuantumGIS



uDig



gvSig



TileCache



Disk Array

DMZ

MapServer

GeoServer



deegree

deegree

GeoNetwork

GeoNetwork
OpenSource

Application Server

PostGIS



Information

Enterprise Services



GeoServer

- An excellent Web Map Service
- Web Feature Service
 - offering WFS-T for editing
 - Reference for of WFS 1.1 and 1.0
- Web Coverage Service
 - Reference for of WCS 1.1.0
- GPL 2.0, Java based
- Excellent out of the box experience
- Breaking news
 - Entering the OSGeo Incubation Process!
 - New configuration user interface
 - AuScope is working hard on Application Schema support





User-friendly Desktop Internet GIS

- Example application functions as a Desktop GIS
- Excellent WMS and WFS support
- Started at Refrations in 2004, diversified with a global steering committee
- Core GeoSpatial Software Developers Kit
 - Used for BeeGIS field GIS system
- News:
 - uDig 1.2 is feature complete





GeoNetwork Open Source

- Catalogue Service
 - Reference implementation of CAT 2.0.1
- Initially development: UN Food and Agriculture
- Healthy Diverse community
- Local ANZLIC involvement (with BlueNET fork)



GeoNetwork
Opensource



deegree

- Developed by University of Bonn and Lat/Lon
- An excellent implementation of almost everything: WMS, WFS, WCS, CS-W, Gazetteer, WPS, ...
- Currently undergoing OSGeo Incubation
- Java based application with LGPL license
- Developer Community hard at work on Deegree 3
- Breaking news – waiting on incubation committee review now

deegree



MapServer

- The one the only the Original!
(FOSS4G came out the annual Map Server Users Group)
- WMS / WFS (read-only) / WCS / SOS
- Excellent performance
- Not limited by standards – PHP, Perl, Python, Java
(as the crucial difference from GeoServer)
- News – excellent code sprint and has made massive strides
on performance and capabilities

MAPSERVER



GRASS

- GRASS is just cool
- Developed by US Army Engineers in 1980s
- Swapped around on tape before the internet
- Since 1999 published as GPL
- Has thrown out more functionality than the rest of the stack combined
- A trifle hard to learn
- But where else can you play with voxels!





Jump Family

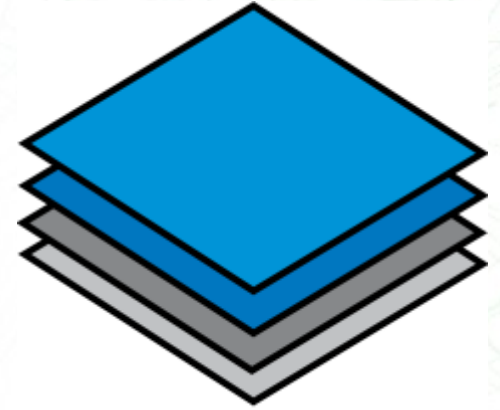
- A much loved Java application
- Built around JTS
(like our entire industry)
- Example of how closed development fragments a project
- At one point 10 forks existed
- OpenJUMP is starting to clean up the mess
- Easy of extensibility fostered many valuable plug-ins





Open Layers

- The highlander principle
there can be only one!
- The framework for web clients
(Why lock yourself into one vendor?)
- Decision taken at FOSS4G 2006 to fold
the large number of web mapping clients
in order not to duplicate effort
- A great example of collaboration



- Desktop GIS Application developed for CIT of Valencia in 2003
- Much loved for its close reproduction of ArcView
- Very strong development community centred in Spain
- GPL 2 Java Application





Quantum GIS

- Started as a PostGIS viewer in 2002
- Rapidly grew to an amazing feature set
- GPS Integration, Printing, Digitization tools
- A very active community around the world (And very vocal in Italy)
- Much loved as a front end for accessing
 - GRASS
 - Python Scripts





Workbook 4 Tour

- This workbook will take up our remaining time
- Go at your own pace – and ask questions early and often
- Question asked more than once will be answered up at the front



GeoNetwork



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MapServer



Grass GIS



JUMP



kosmo

or



gvSig



QuantumGIS





More to See

MapGuide OS

FDO

Mapserver

SAGA

WorldWind

GRASS

PROJ

MySQL

QGIS

PostGIS

ILWIS

GDAL/OGR

GEOS

OSSIM

gvSigMobile

gvSig

ImageIO-EXT

JTS

DeeGree

CatMDEdit

SEXTANTE

WKT4J

Kosmo

JUMP

GeoTools

GeoServer

GeoNetwork

OpenJump

deeJUMP

Spatial Data Intergrator

uDig

Batik

GeoAPI

GeoPISTA

DIVAGIS

JGrass

monoGIS

Geotools.Net

OpenLayers

Chameleon

MapBuilder

Ka-Map

CartoWeb

MapBender

MapWindow

SharpMap

NTS

Friendly Survey - Tour

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Thanks!

- Thanks for attending our workshop
- If you did not get a workbook ...
we will make them available online shortly
- A big thank you to our customers
(who make our involvement possible)
- If you did not get a seat ... sorry!
(Please encourage FOSS4G 2010 to promote tutorials)
- Workshop feedback at: <http://bit.ly/1Db2TE>