OS-Seminar 'Kennis van de bron'

Open Source Geo-ICT is niet te stoppen! Het gebruik van OS neemt een steeds grotere plaats in het geodomein in. Denkt u bijvoorbeeld aan MapServer, PostGIS, Flamingo, de GDAL/OGR libraries en de talloze toepassingen daarvan.

Op dinsdag 17 juni heeft het Geo-Database Management Center van de Sectie GIS-technologie van het Onderzoeksinstituut OTB van de TU Delft in samenwerking met het Programmabureau Nederland Open in Verbinding en Rijkswaterstaat een seminar verzorgd over de toepassing van Open Source Software in het geodomein. Dit seminar was het vervolg op het succesvolle seminar dat gehouden is in oktober vorig jaar.

De doelstelling van deze dag was mensen in het geodomein op het gebied van Open Source Software bij elkaar te brengen ter versterking van de kennis van Open Source GIS-software en het toepassen daarvan. De ochtend bood een plenair programma waarin het mondiale en nationale OSS geo-landschap uiteen werden gezet. Het middagprogramma bood een aantal parallelle sessies die praktisch dan wel technisch van aard waren. Op de technische workshops werd "hands-on" ervaring opgedaan met het gebruik van PostGIS of OpenLayers.

De dag was zowel bedoeld voor ambassadeurs als technici die hun ervaringen willen delen en hun kennis willen vergroten.

Via deze pagina kunt u de presentaties en workshops downloaden. Klik hiervoor op het desbetreffende programma-onderdeel in het programma hieronder. Alle onderdelen waarvoor downloads beschikbaar zijn worden als link weergegeven.

Tijdstip	Titel		
09.15-09.45	**Ontvangst**		
09.45-09.55	**Opening door dagvoorzitter Arjen Kamphuis**		
09.55-10.00	**Welkomstwoord TU Delft door Peter van Oosterom**		
10.00-10.40	**OSS geo Landschap Paul Ramsey**		
10.40-11.00	**Pauze**		
11.00-11.30	**Nederland Open in Verbinding (Fabrice Mous)**		
11:30-12:00	**OSS in relatie tot Heemskerk (Henk van Cann)**		
12.00-12.45	**Lunch**		
12.45-16.00	**Workshop PostGIS**	**Workshop OpenLayers**	**Lezingen Gebruikerservaringen**
	Paul Ramsey	Bart van den Eijnden en Richard Duivenvoorde	1. RO-Online, open source web portal voor ruimtelijke plannen - Jeroen Smit (Logica)
			2. De impact van open vs closed source voor geo DBMS research - Wilko Quak (TUD)
			3. WAB-Info: SOA, Geo en Open Source - Wim de Haas (Rijkswaterstaat)

Dit Seminar had de volgende sponsoren:

Rijkswaterstaat

Geodan Atlis

GIN
Geo-Informatie Nederland

B3Partners

Grontmij

GIS werk

Releasing your potential
logica

GisSense

Open Source Geospatial

The **One True Path** to Enlightenment

I had the opportunity to spend a few hours walking about Delft yesterday,
and I kept coming across the same phrase, over and over.

"hup holland hup"

And I have to tell you,
I'm really impressed that Holland already has a global warming plan!
Given the potential for sea level rise in the next 20 years,
I think going Hup! is an excellent plan for Holland.

If I've misinterpreted this, and it's possible I have,
please feel free to set me straight during the soccer game tonight.

The **One True Path** to Enlightenment

I would like to address both the practical,
and the spiritual aspects of
open source geospatial software today.

It is important to our immortal souls
that we make the right choices in life.
That we care for our fellow man.
and put the needs of other before ourselves.
That we are attentive to the voices of nature
and the spirits of the animals.
And that we choose the right software.

Care for Others

Honor Nature

So, in order to protect your immortal souls,
I'd like to take you on a tour
of the right software this morning.

Enlightenment

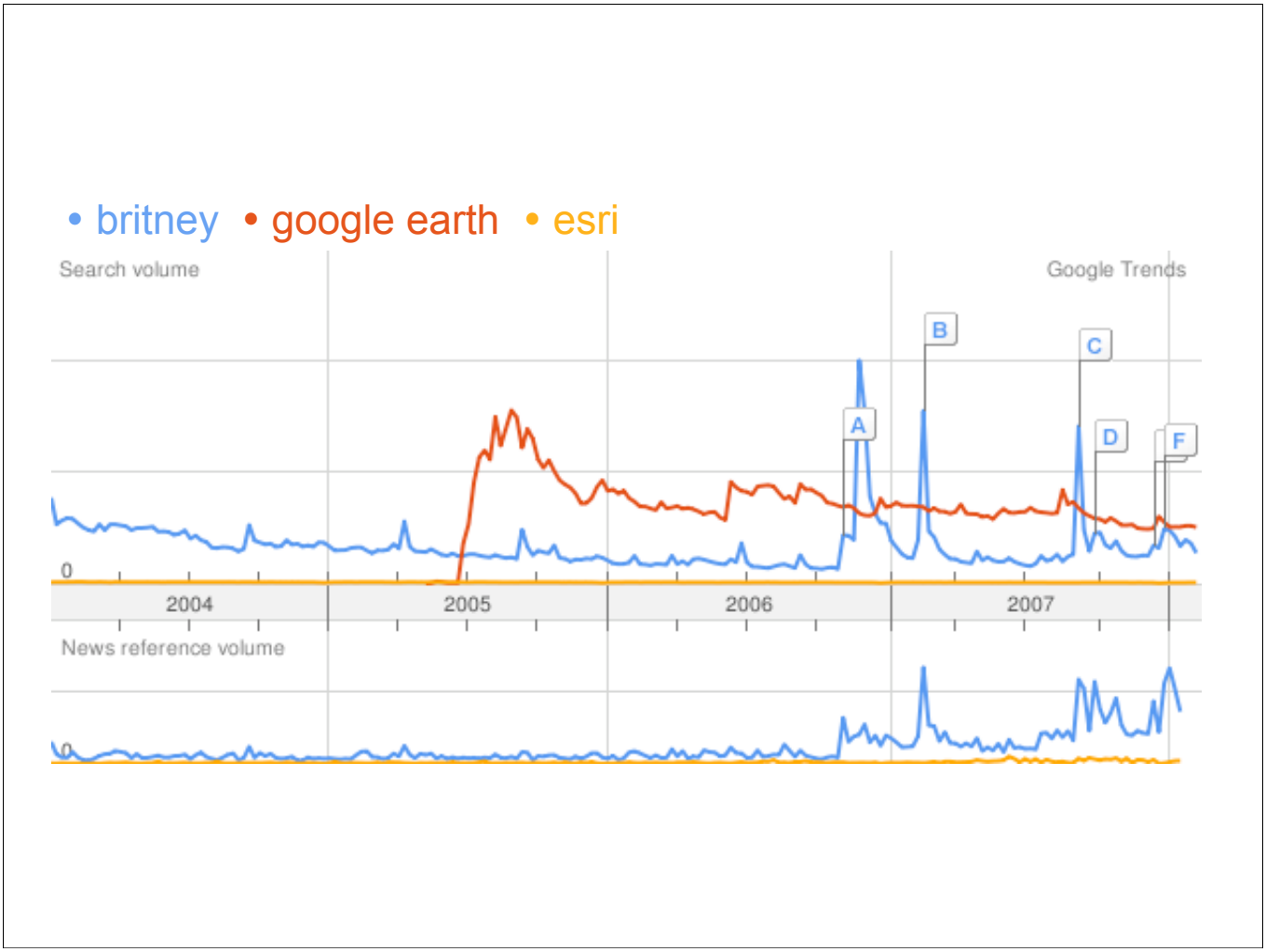
We want to use the right software,
to reach enlightenment.

But was does geospatial enlightenment look like?

I think we all know the answer...
it looks something like this.

Yes, I am being a bit sarcastic here,
but there can be no argument that the Google suite
has changed the way the world thinks about
electronic mapping.

Enlightened mapping is fast,
it is transparently easy to use,
and it looks really nice.



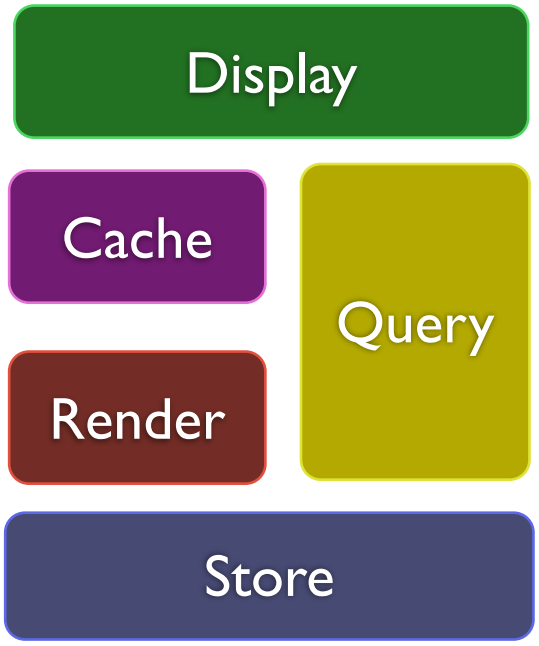
Just by way of illustrating how powerful
the impact of Google technology has been on general perceptions,
here's some searches in Google Trends.

Here's the rate of searching for the term "britney" from 2004 to the present.

In case you're interested,
"A" is filing for divorce,
"B" is entering rehab,
"C" is opening the MTV awards,
"D" is a rumor about a sex tape, and
"F" is leaving rehab.

So, a nice juicy, mass-market topic.

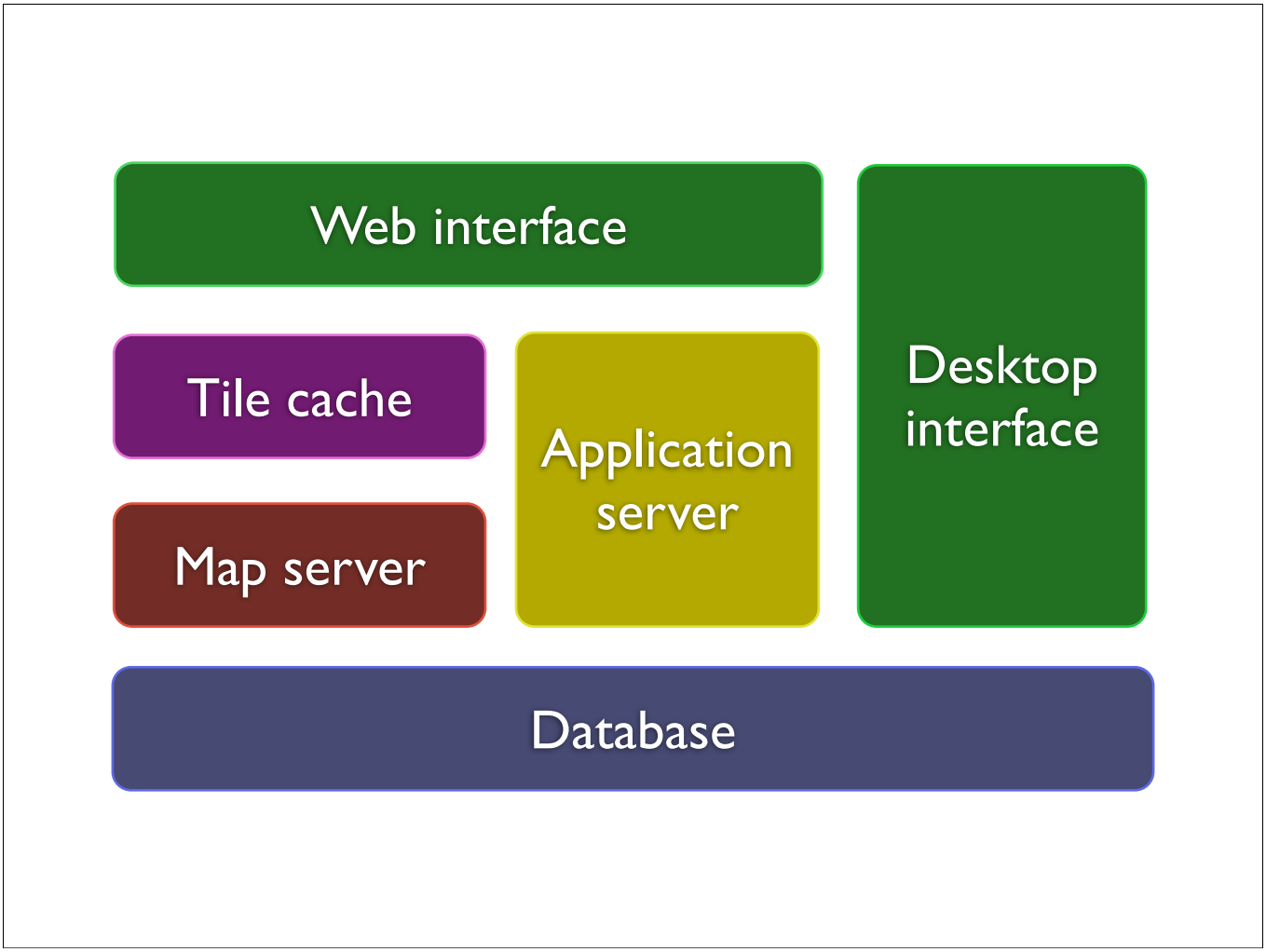
And here's the rate of searching for "google earth" superimposed on that.
And here's the rate of searching for "esri" superimposed on that.



How do they do it?
It is some kind of magic?
Voodoo, witchcraft?

No, it is the simple combination
of tools that allow them
to
Store
Render
Cache
Query and
Display
geospatial data.

That's a functional description of their architecture,
here's one using software component types.



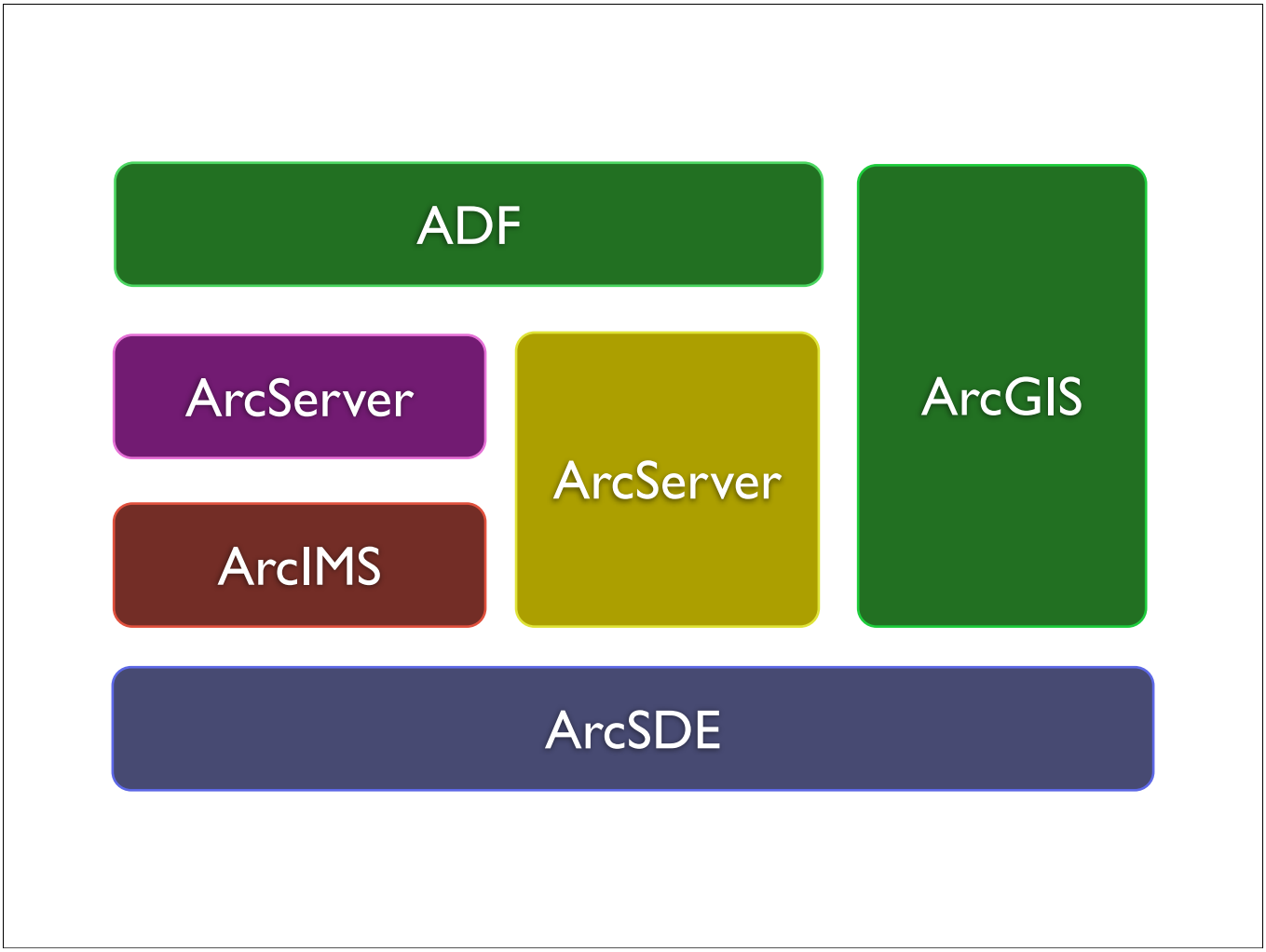
They store their data in a **database**.
It's a special database of their own design but still a database.

They combine their data with styling rules in a **map server** to build a map,
then they **cache** it as **tiles**.

They provide some routing and geocoding services,
using **application servers** for that special purpose.

They provide a **web interface**, in the clever
javascript Google Maps.

They even provide a **desktop application** that accesses
the rest of their stack, in Google Earth.



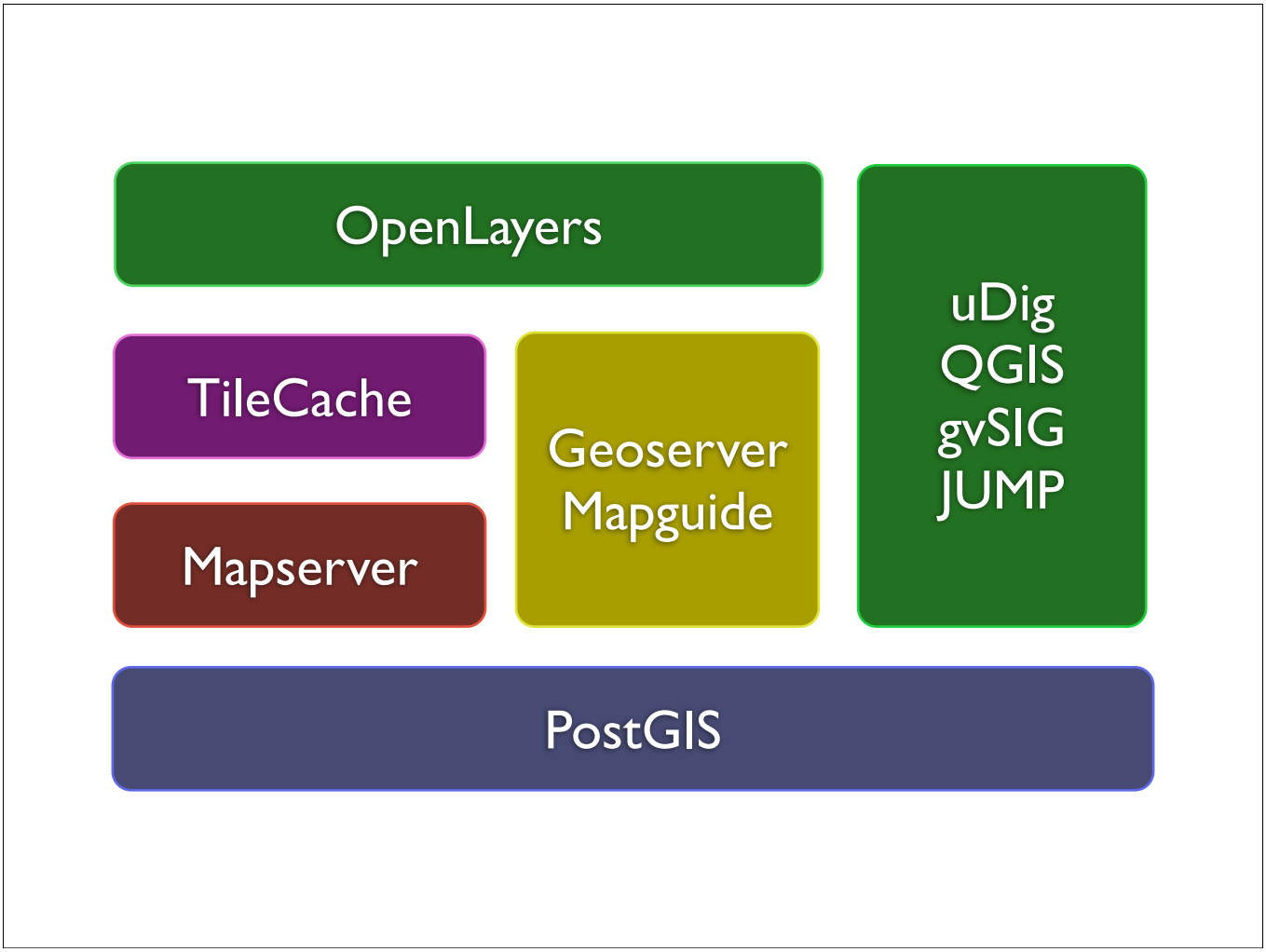
This is geospatial architecture 101.

The magic of Google is that they built an architecture
that can handle millions of simultaneous users.

You can buy the same functional architecture from ESRI,
it won't serve millions of users,
but it will have the same boxes,

The labels all just happen to start with "Arc".

However, we're trying to find the path to **ENLIGHTENMENT** here...



So here's the same architecture with open source softare.

The difference with open source, is that the components don't all start with "Arc",
and you have a lot more alternatives.

Also because it is open source,
you can scale it up
much more economically
than you can scale proprietary systems.

"Enterprise"	1 Dual-Core	2 Quad-Core
Oracle	$40,000	$160,000
DB2	$36,400	$145,600
SQL Server	$25,000	$50,000
Informix	$50,000	$200,000
PostgreSQL	$0	$0
Hardware	**US$2,000**	**US$5,000**

For example, in the database world, kitting out a single dual core, or dual quad server, is a six-figure proposition.

I took these prices from Dell.
(1 x dual core, 2gb ram, 2tb disk = $2000)
(2 x quad core, 16gb ram, 2tb disk = $5000)

Vendors like to talk about "scalability"
as if customers have infinite money to address their problems.

As if the only factor in scalability is straight performance.

But with modern hardware, the main cost driver in
scaling up an installation is no longer hardware,
it's software.

(ASIDE: Processor-based licensing provides
a financial incentive for vendors to reduce (or ignore) performance,
particularly in monopoly situations or situations
where the client has high switching costs.)

Your software licensing for that server will be many times your hardware cost, and that is not a good scalability situation.

Oracle Enterprise Edition pricing 2007-07: $40K * NCORES * 0.5 (for Standard Edition, use $15K instead of $40K)
IBM (2007-07) uses "value unit" now, https://www-112.ibm.com/software/howtobuy/passportadvantage/valueunitcalculator/vucalc.wss

Stop me now.
People love their tools.
I love open source.
“To a man with a hammer, the whole world looks like a nail.”
And I love open source. But I try to be realistic about it.
There are plusses and minuses and every case has to be evaluated individually.

Community

So, I'm going to provide a quick tour now,
of some of the more popular and useful
open source geospatial tools.

Because my time is limited
it be a mile wide and an inch deep.

I'm going to be talking about software,
but within the context of community,
because open source software can **ONLY**
be understood through an examination
of the communities that build it and use is.

Discussions about open source
bog down all too frequently
in license arcana:

GPL or BSD or LGPL or Creative Commons,
blah blah blah blah blah.

This is all chatter,
and it misses the point about open source:
Licenses are a means
not an end.

And the end is a
functioning **community** of **collaborators.**

Open source software without
a community is nonfunctional.
It a beehive without bees.

Communities are funny things,
the don't grow just anywhere,
it is hard to grow a universal global community.

Ever heard of Orkut?

It is the most popular social networking site...
in Brazil.

So, if you don't speak portuguese.
It's hard to participate in the orkut community

Communities are very sensitive to language barriers.

- Open source is about community
- Communities share a language
- Open source communities share languages

Open source communities grow within the context of TWO different language barriers,

The first is the language of the community,
The working language of the human communities is almost exclusively English.
The exceptions are gvSIG (es) and TerraView (pt) and to some extent Deegree (de).

The second is the language of the software code,
the computer dialect the humans are working with.

Most computer programmers are multi-lingual,
but, like you, they have a “native language” they are most comfortable in, which determines what projects they are most likely to be active in.

I started studying this in 2004, when writing a survey of
all open source geospatial software.

When you look at who is active in given open source geospatial communities,
you see the same names popping up again and again on different mailing lists.

But the names rarely traverse the language barriers.
An active Java developer rarely appears as an active C developer, and vice versa.

When I first talked about this, in 2004, there were only two active tribes,
but since then other distinct tribes have grown,
the .Net tribe,
and the “web” tribe with expertise in Javascript/DOM HTML and scripting languages.

I’m going to start with the oldest tribe, the “C tribe.

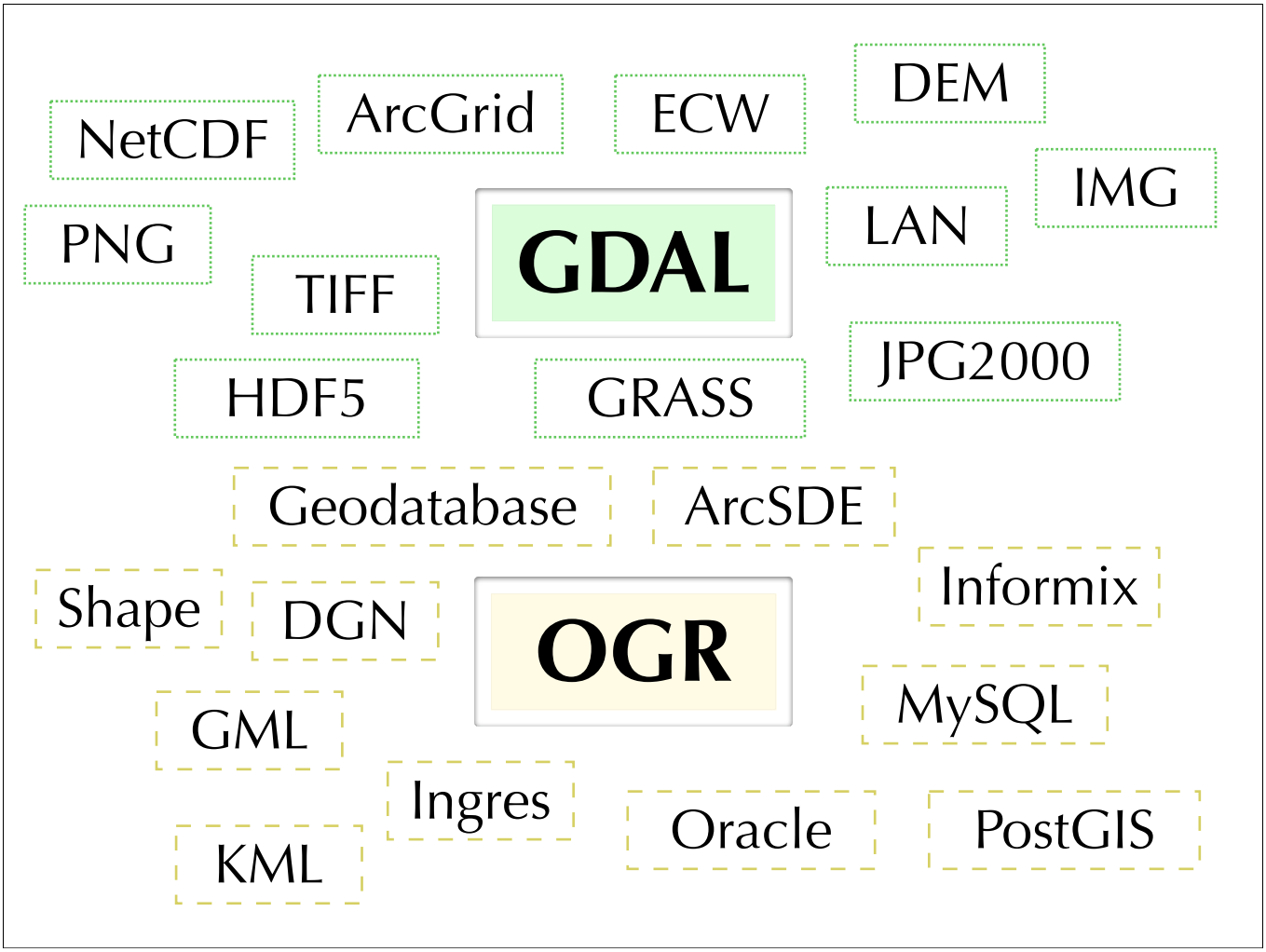
Much of the functionality shared by
the C family
is due to a powerful set of
shared libraries that
all the projects use.

.DLL .DYNLIB .SO

A code library is a piece of software that
provides generic functionality in a re-usable form.
Rather than re-write generic functionality over and over again,
programmers take the library and connect their program to it.

The .DLL files you see in Windows,
DLL stands for dynamic linking library,
the .dynlib files you see in OS/X,
the .so files you see in Linux.

These are all shared library files, that allow
multiple programs to take advantage of the same
infrastructural code.



The GDAL and OGR libraries provide support
for reading and writing multiple formats.
GDAL for raster imagery formats,
OGR for vector formats and databases.

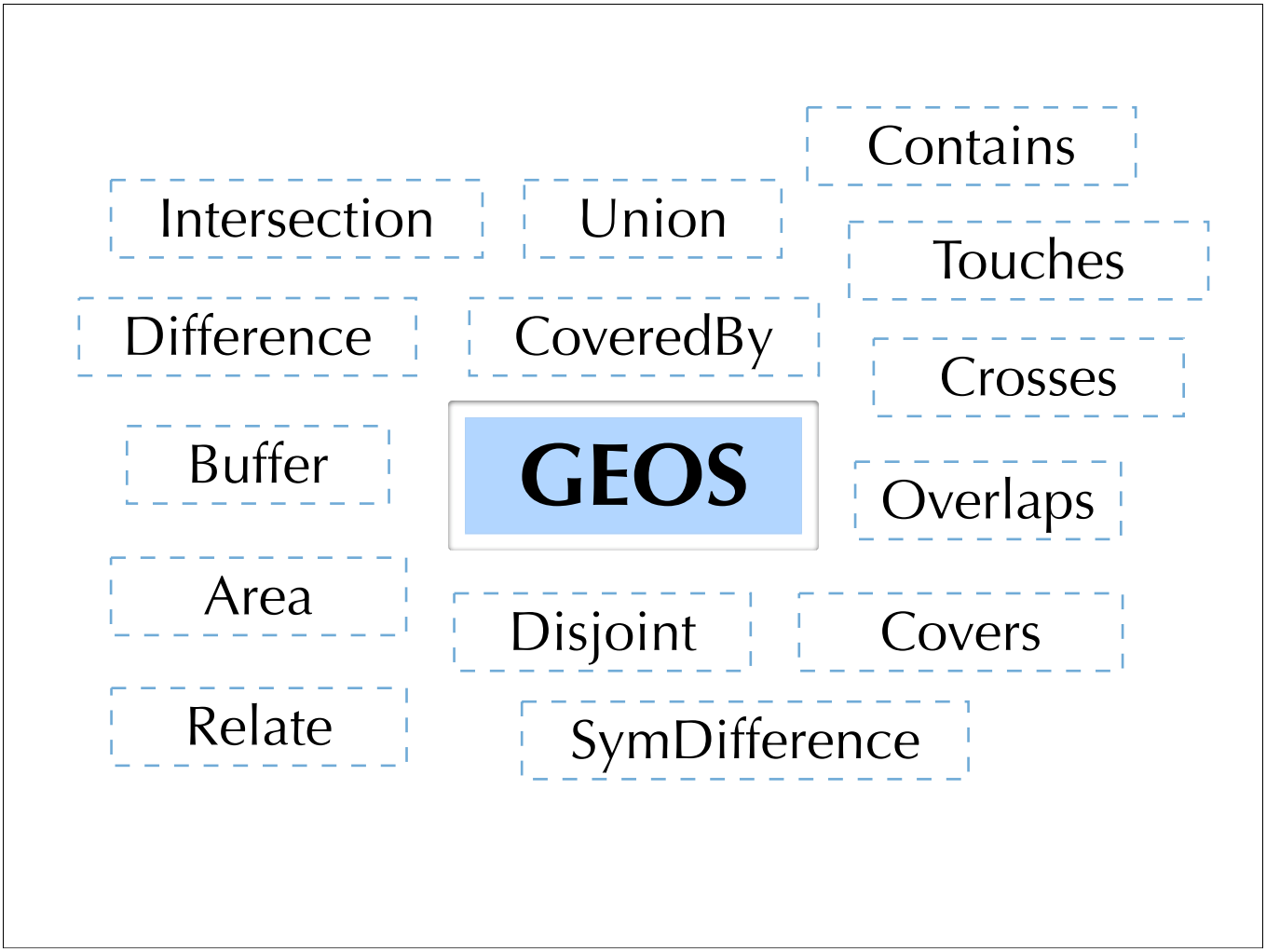
Because most of the C community programs
use GDAL/OGR for format support
they have the ability to use a
huge number of file types.

This is just a limited selection of the formats supported.

As GDAL/OGR is to formats, PROJ4 is to projections.

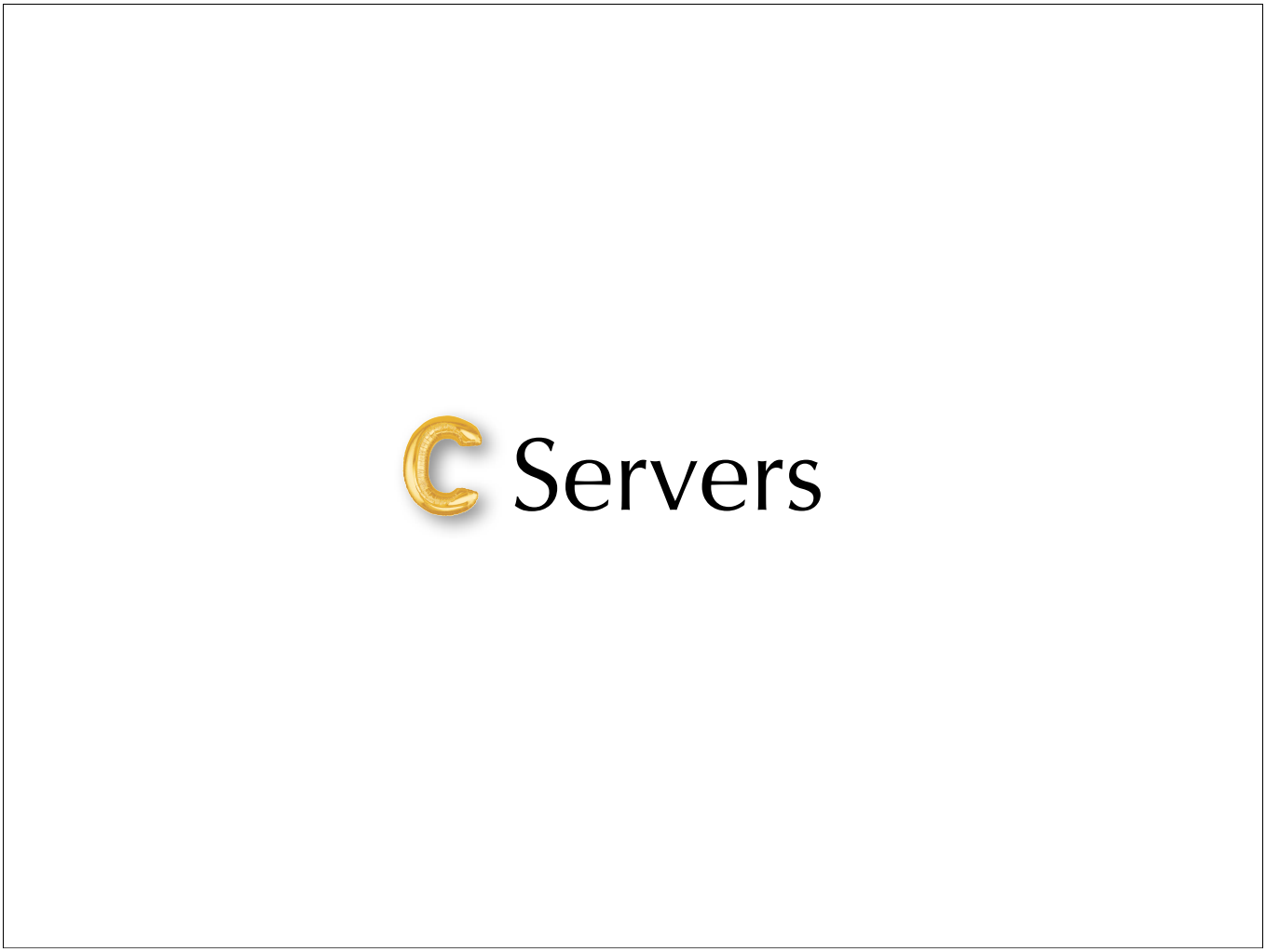
The coordinate reprojection support
in most open source geospatial software
in all languages
is derived from PROJ4,
either directly from using the library,
or through the translation of the algorithms
to a new language.

There are Java, .Net and Javascript versions of
the more common projection algorithms from Proj4 now.

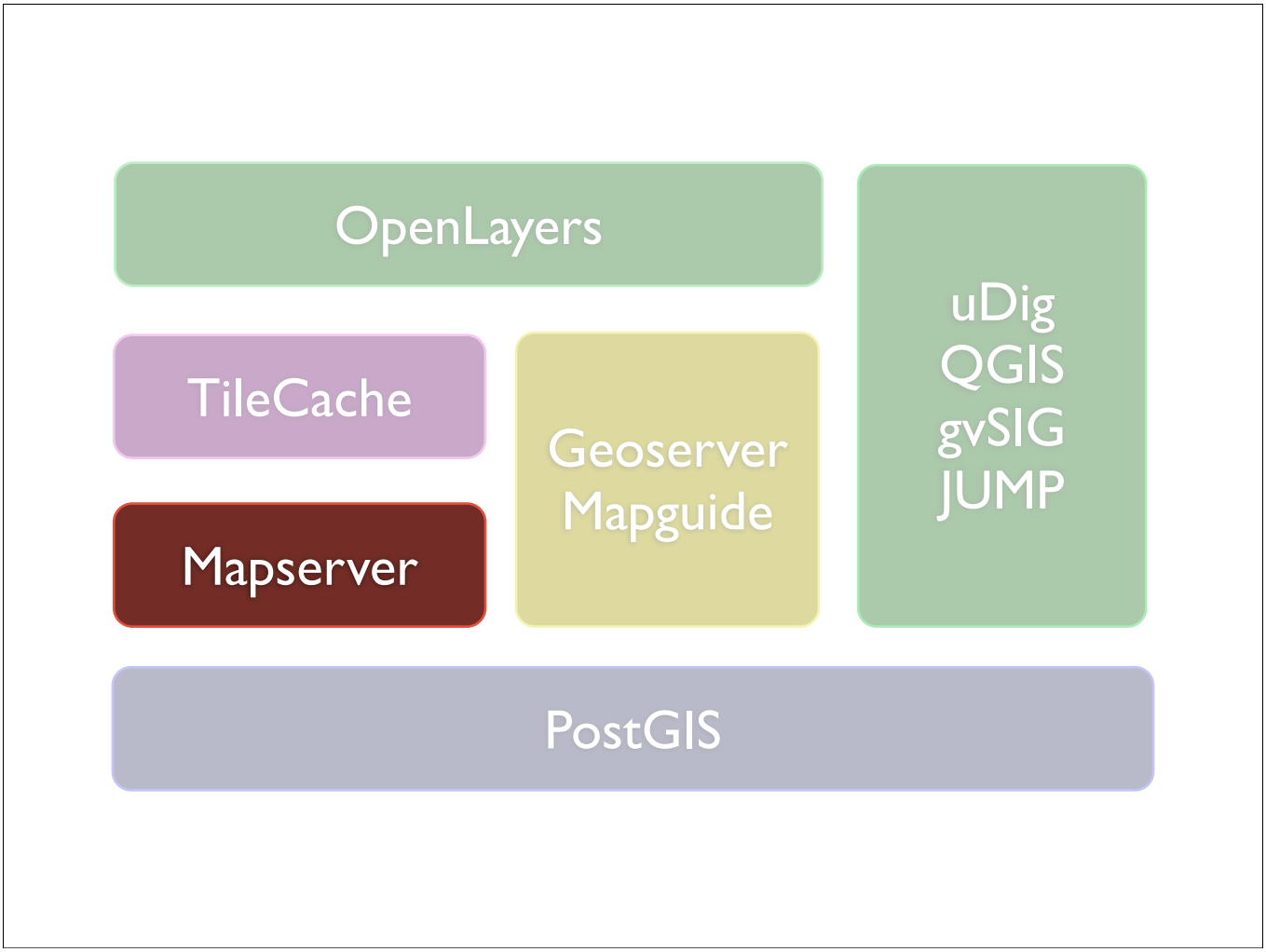


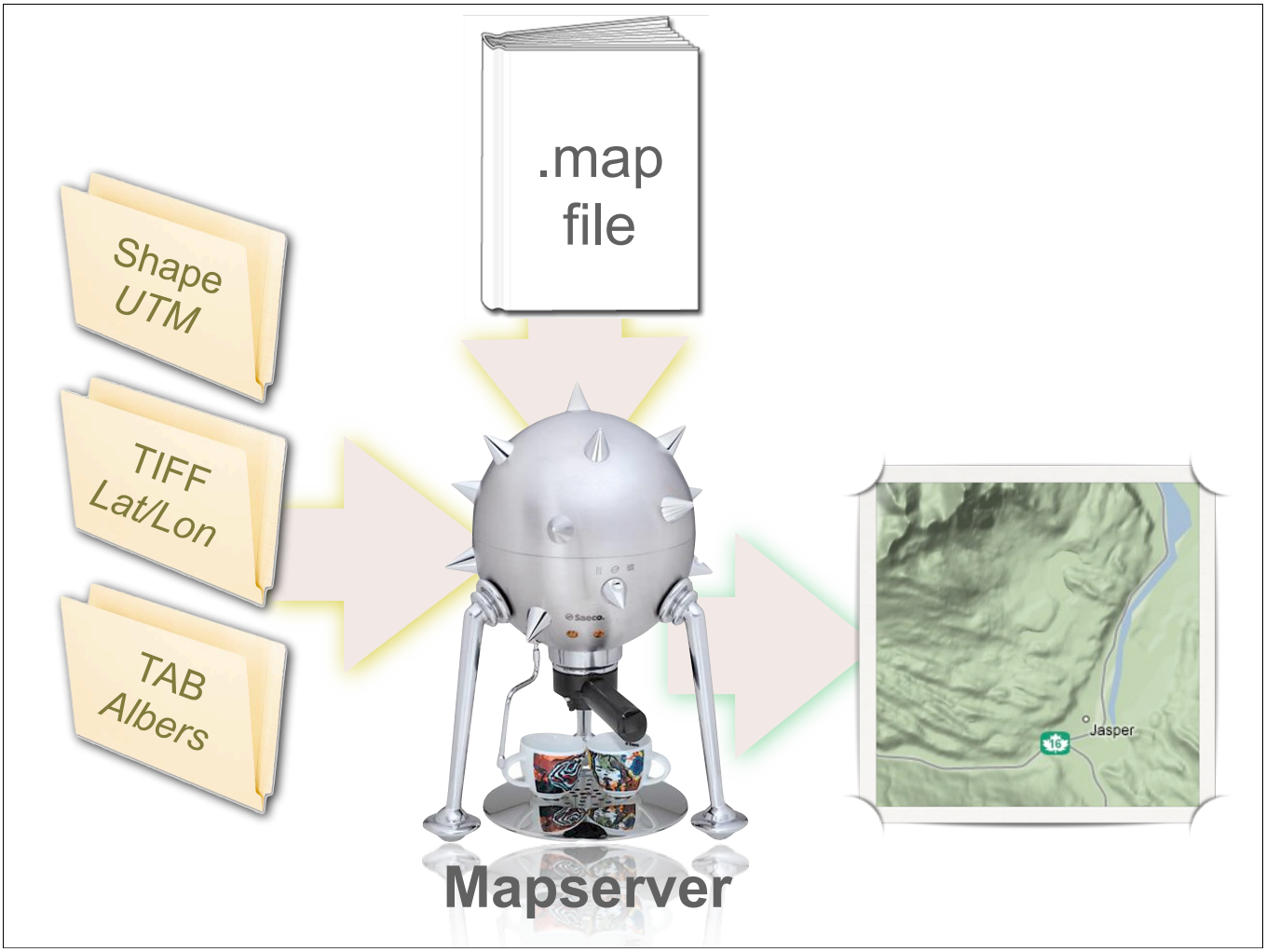
The GEOS library
provides standard geospatial functions
for testing relationships between shapes.

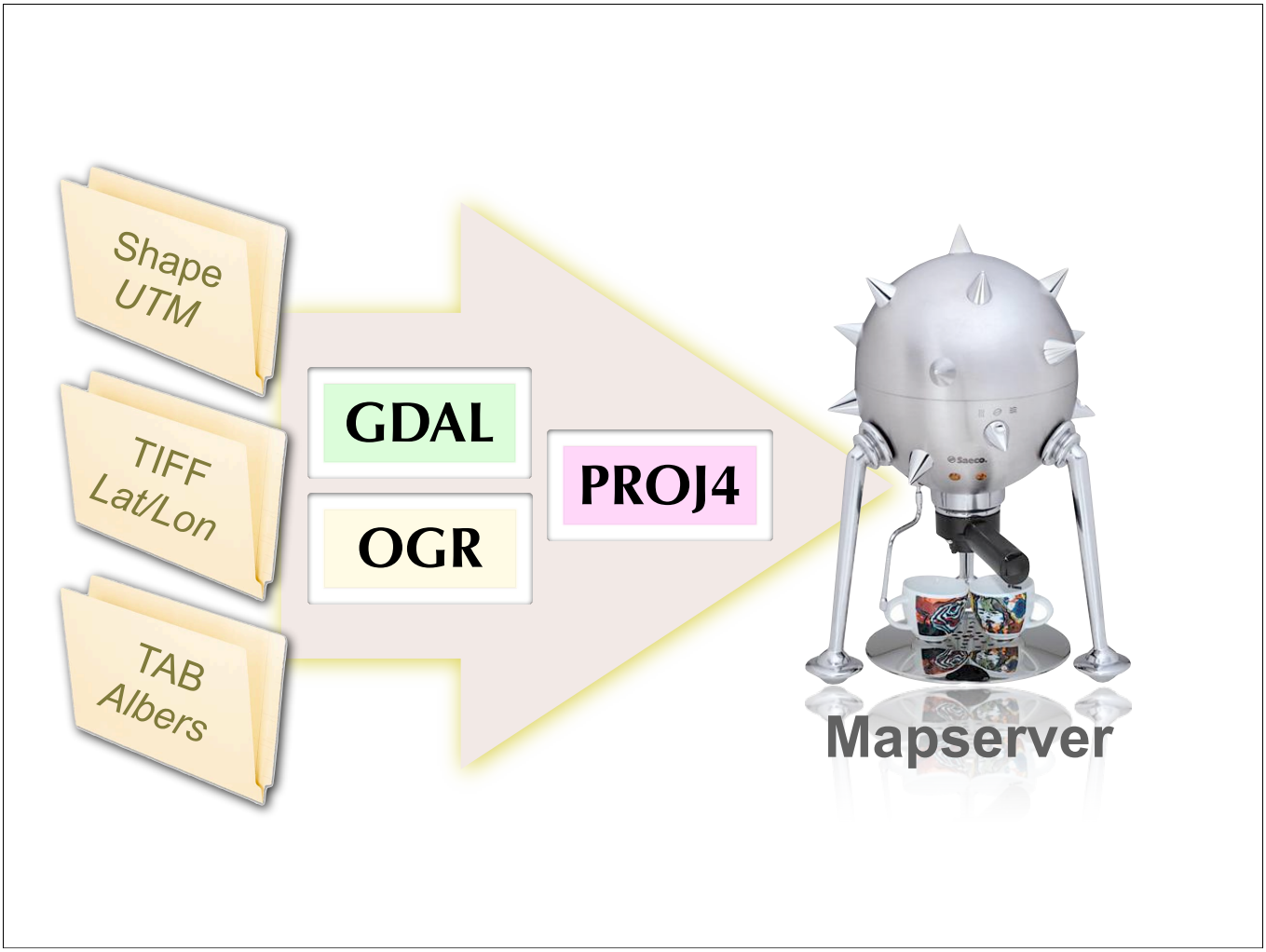
Like projections and formats,
geospatial predicates are hard to write correctly,
but used very frequently in software,
so GEOS is a very widely used library.



Servers are where open source geospatial shines,
and the C servers have the longest history.

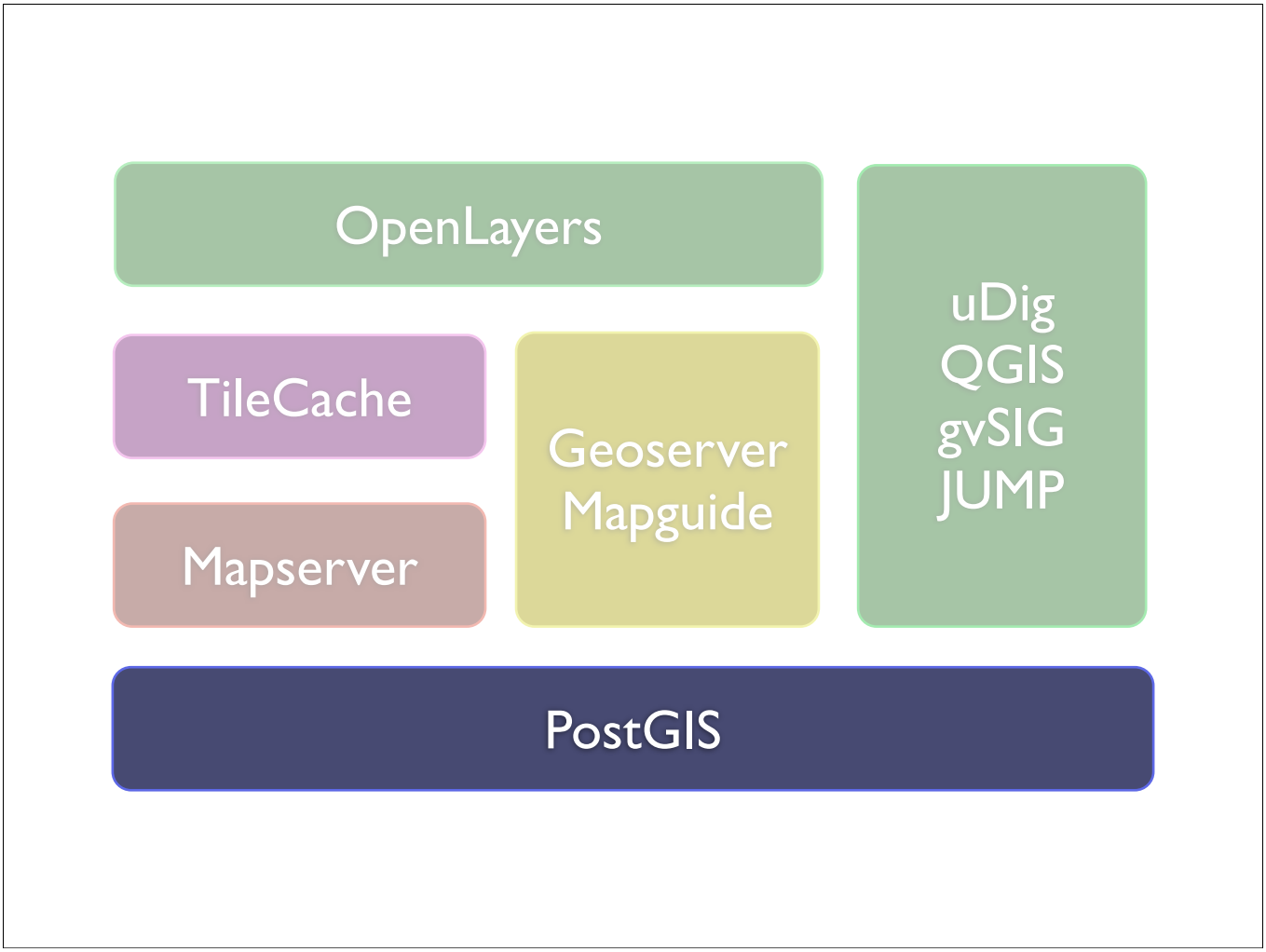

OpenLayers
TileCache
Mapserver
Geoserver
Mapguide
uDig
QGIS
gvSIG
JUMP
PostGIS

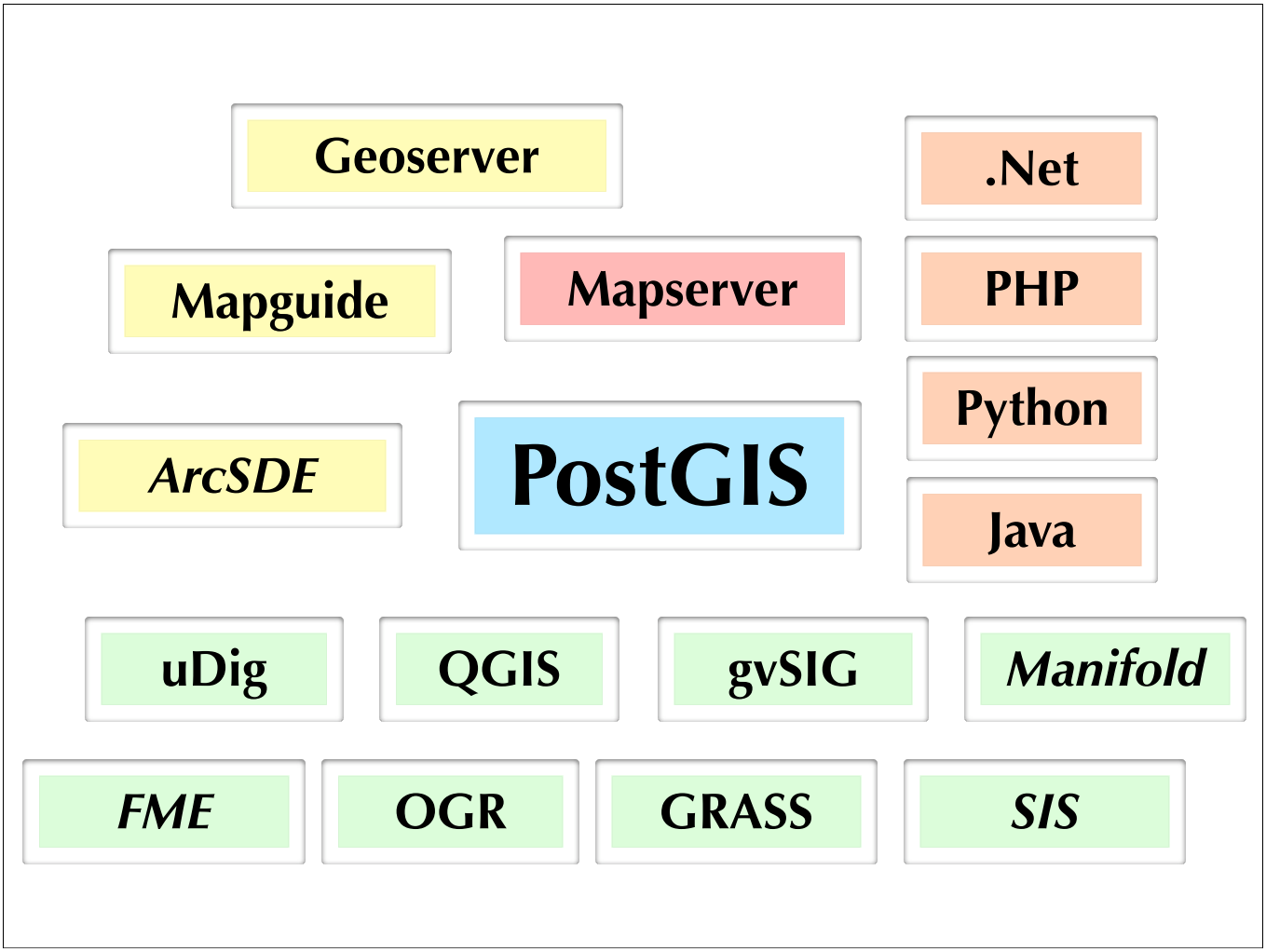

.map
file
Shape
UTM
TIFF
Lat/Lon
TAB
Albers
Jasper
15
Mapserver


Shape
UTM
TIFF
Lat/Lon
TAB
Albers
GDAL
OGR
PROJ4
Mapserver

Mapserver

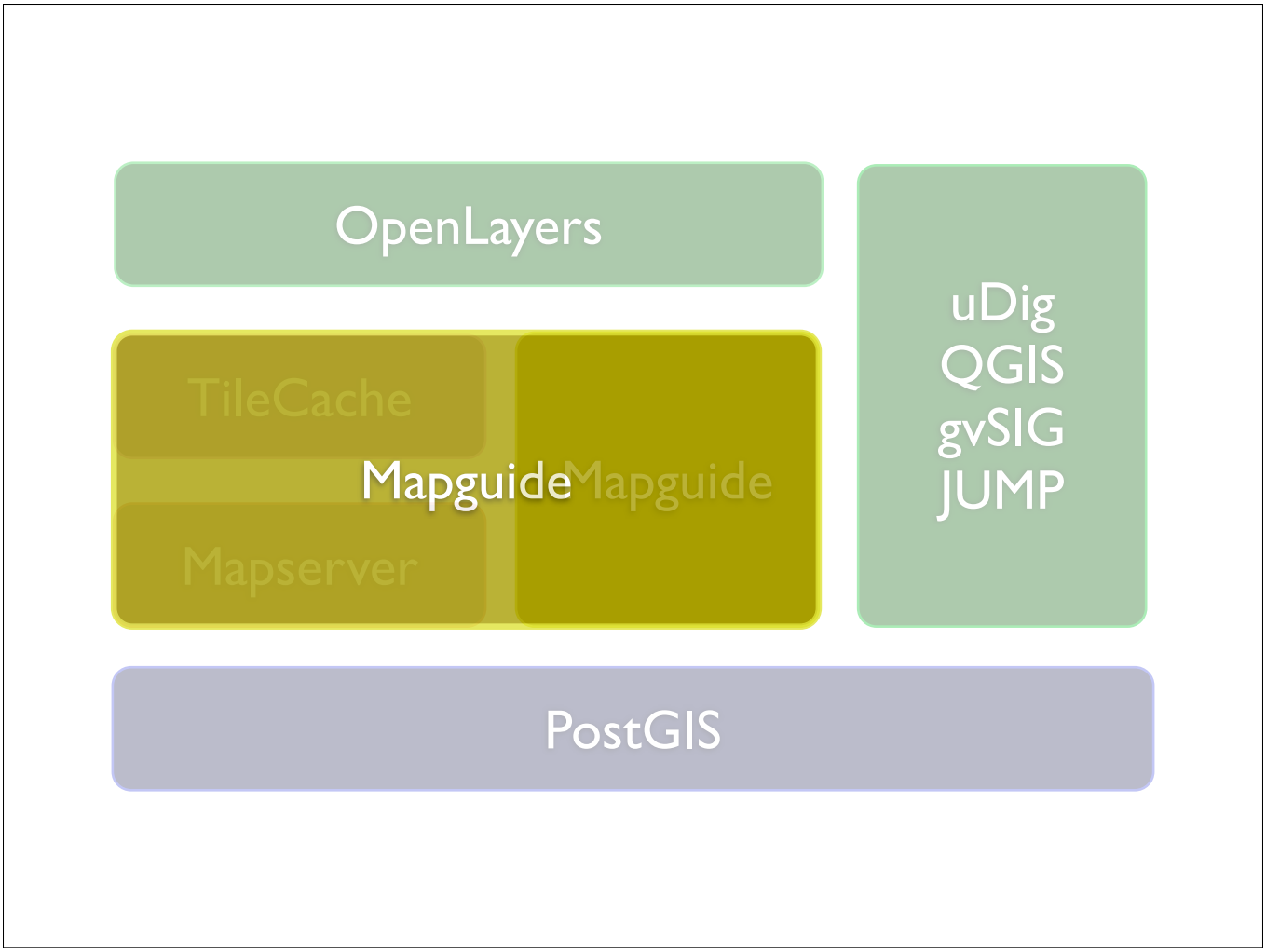
- Multi-format (GDAL/OGR/PROJ)
- Multi-protocol (WMS/WFS/CGI)
- Fast render
- Simple service


OpenLayers
TileCache
Mapserver
Geoserver
Mapguide
uDig
QGIS
gvSIG
JUMP
PostGIS


Geoserver
.Net
Mapguide
Mapserver
PHP
Python
ArcSDE
PostGIS
Java
uDig
QGIS
gvSIG
Manifold
FME
OGR
GRASS
SIS

PostGIS

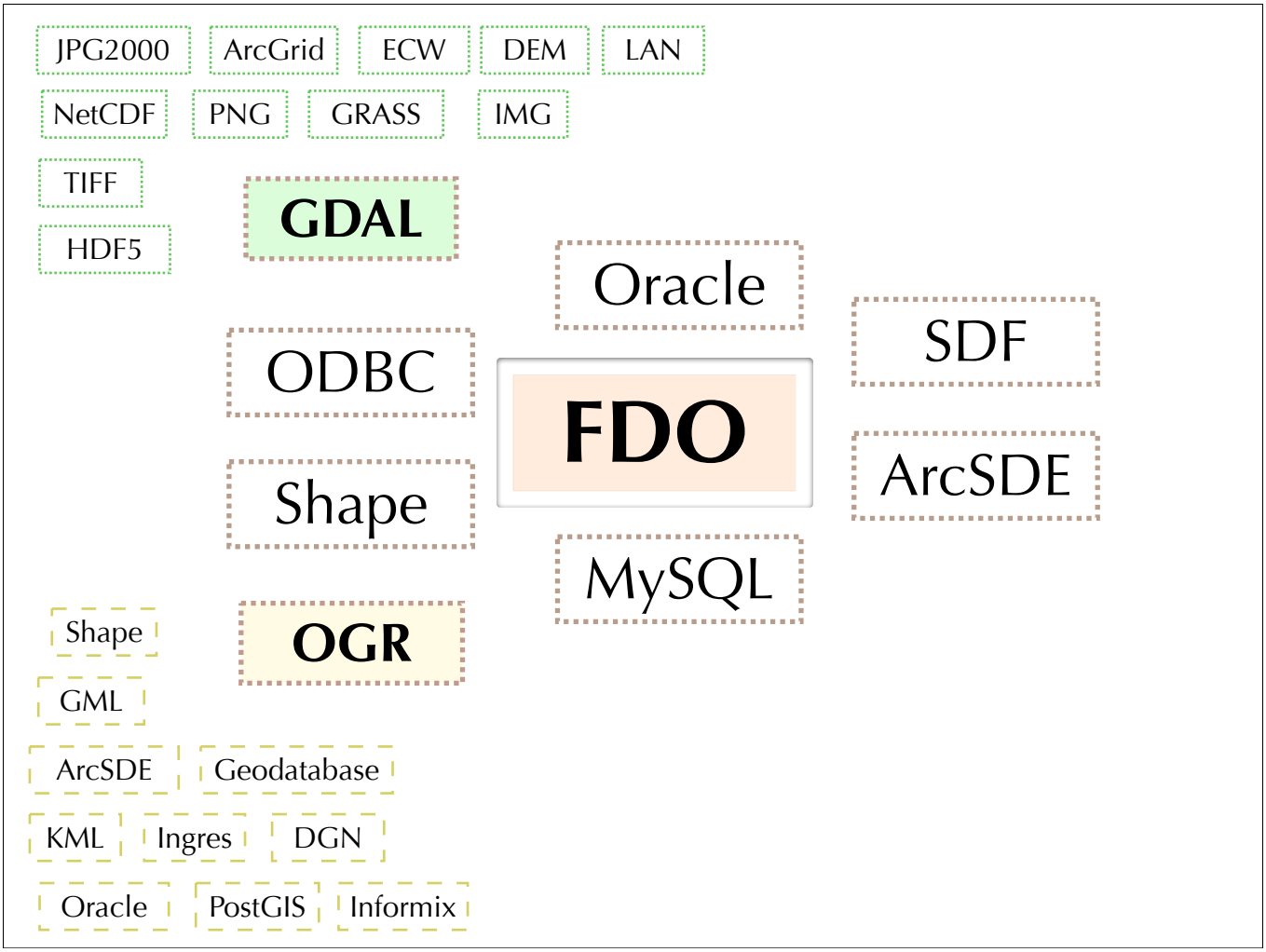
- Fast
- Cheap
- Supported
- Complete


OpenLayers
TileCache
Mapguide
Mapguide
Mapserver
uDig
QGIS
gvSIG
JUMP
PostGIS

MapGuide

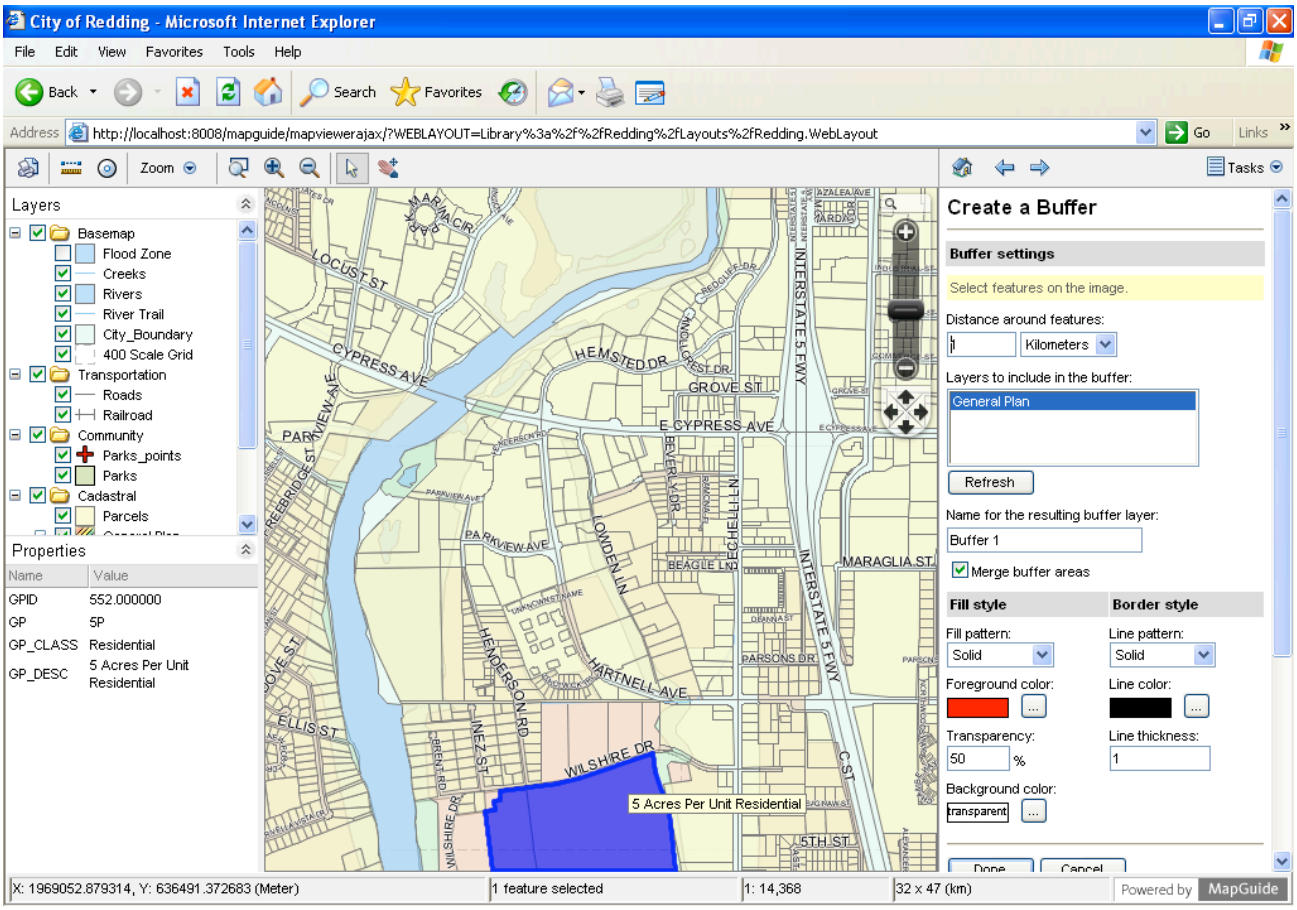
2000

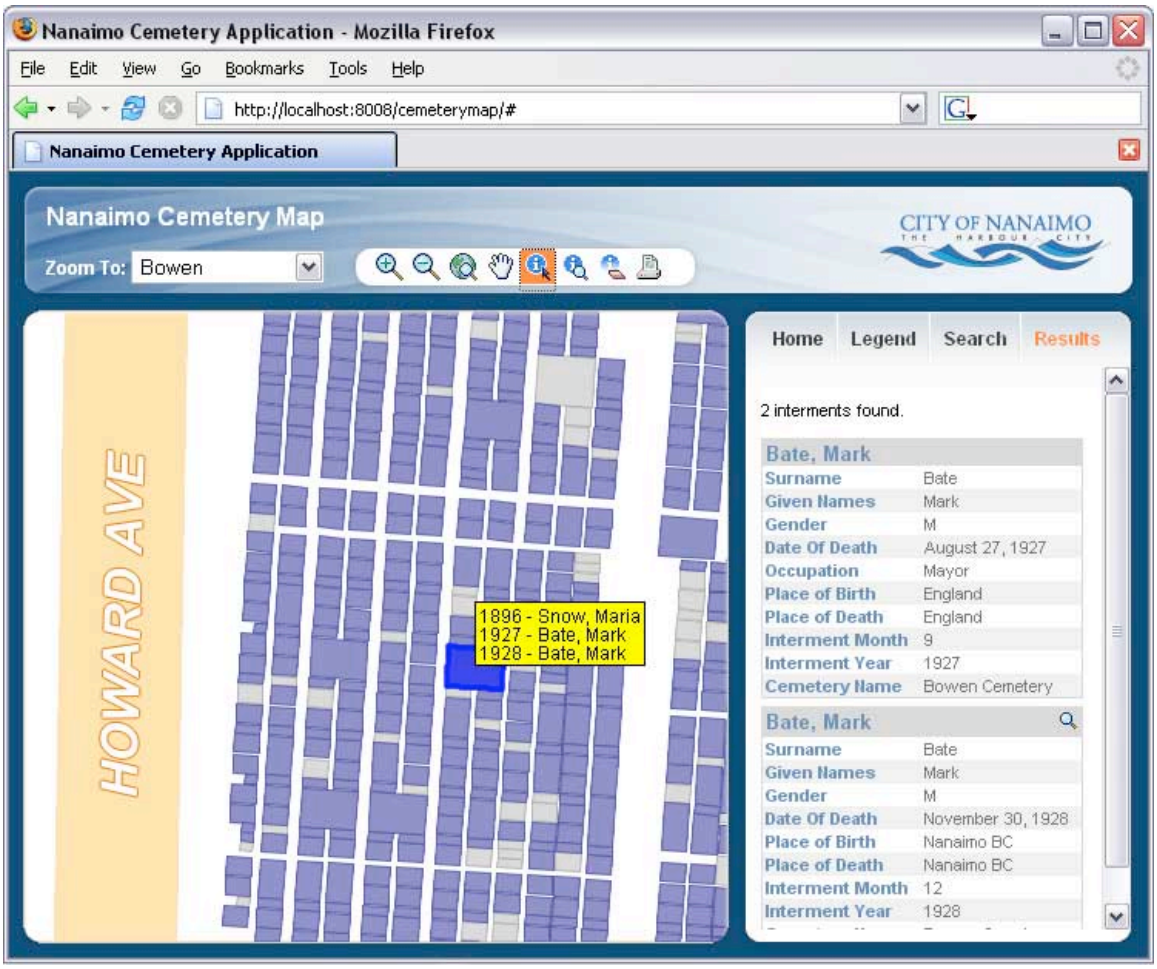
2006


JPG2000
ArcGrid
ECW
DEM
LAN
NetCDF
PNG
GRASS
IMG
TIFF
HDF5
GDAL
Oracle
SDF
ODBC
FDO
ArcSDE
Shape
MySQL
Shape
OGR
GML
ArcSDE
Geodatabase
KML
Ingres
DGN
Oracle
PostGIS
Informix

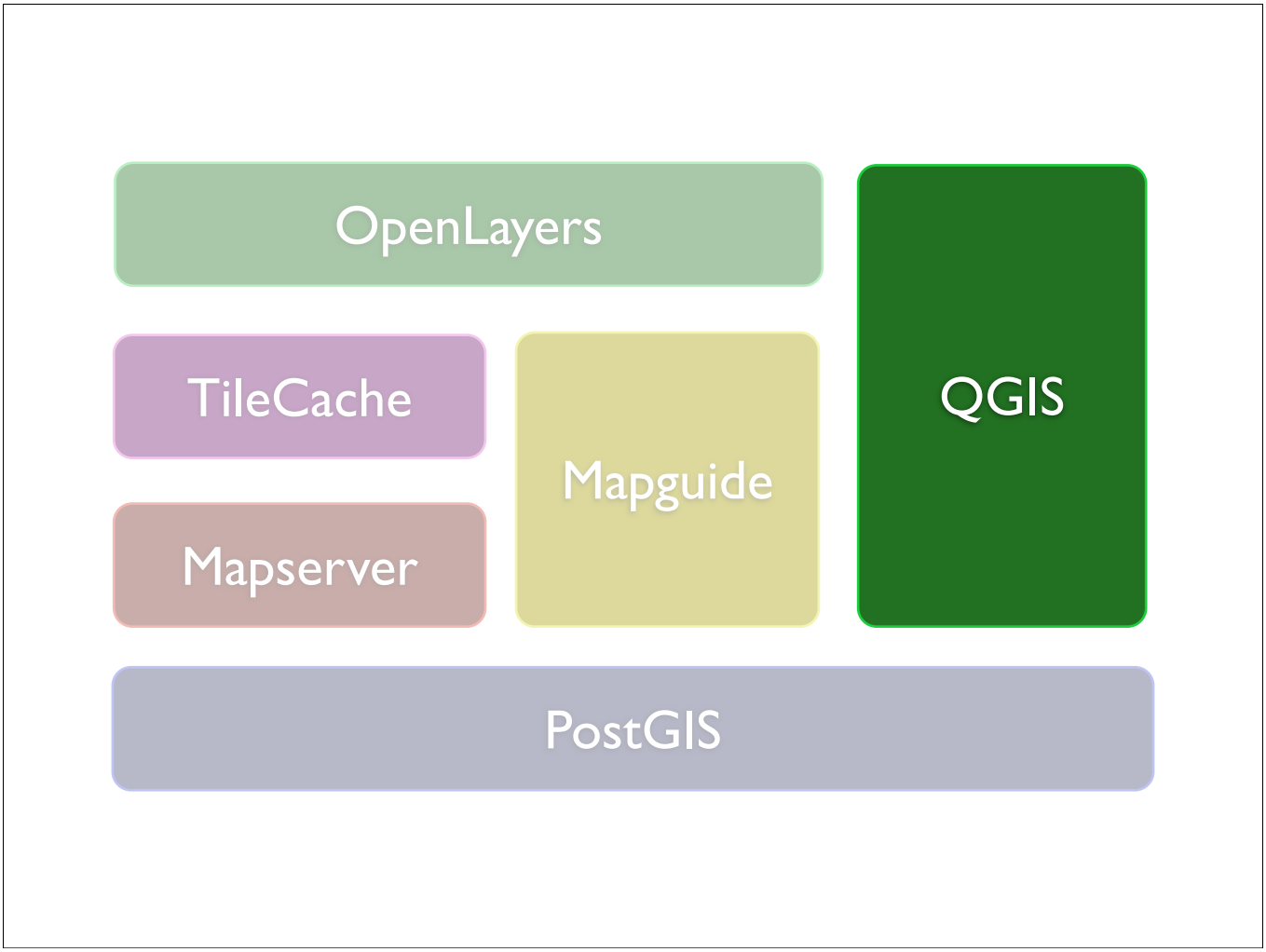
Mapguide

- Multi-format (FDO/GDAL/OGR)
- Multi-protocol (WMS/WFS/CGI)
- Scriptable (PHP/Java/.Net)
- Read / write (FDO)
- Easy deploy (GUI/Fusion)

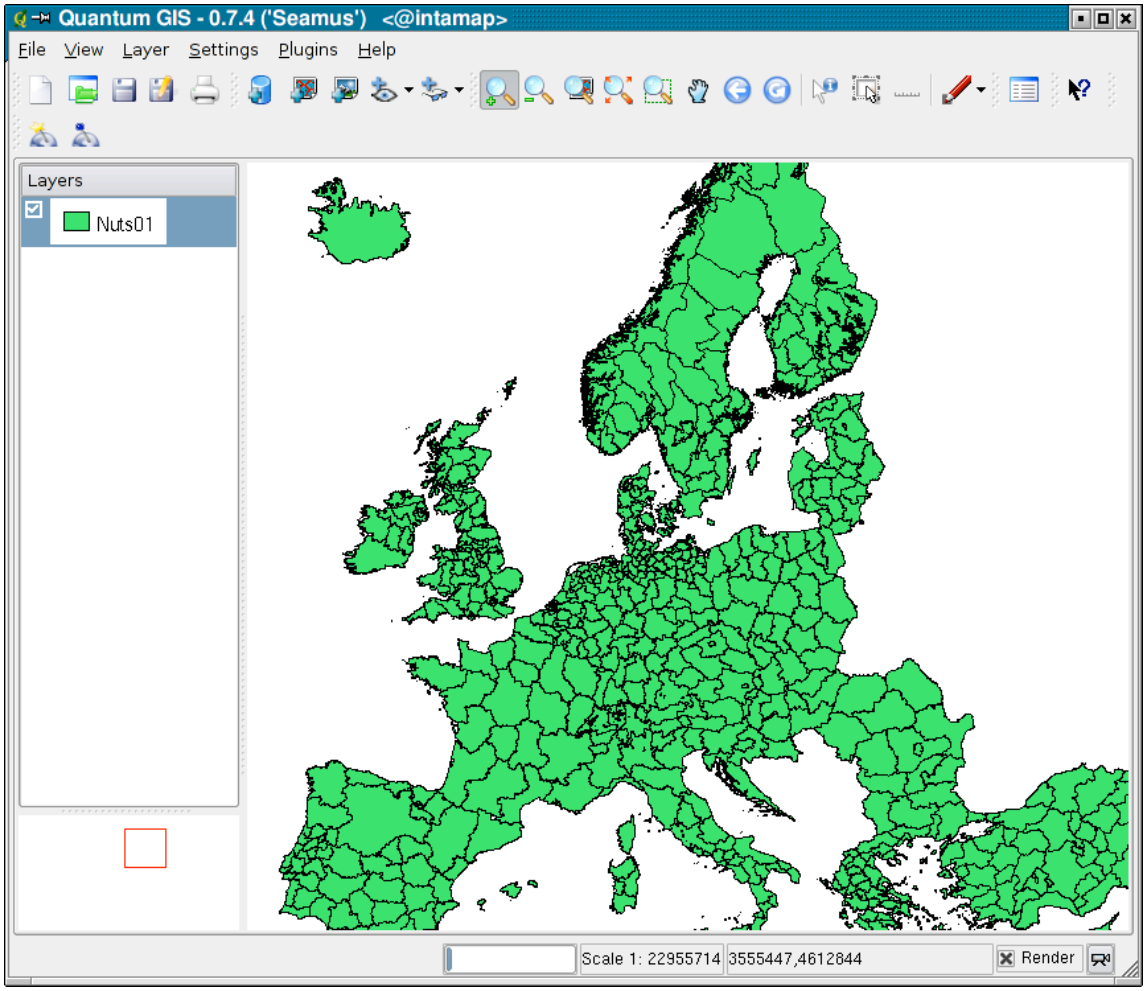

City of Redding - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://localhost:8008/mapguide/mapviewerajax/?WEBLAYOUT=Library%3a%2f%2fRedding%2fLayouts%2fRedding.WebLayout
Go Links
Zoom
Tasks
Layers
Basemap
Flood Zone
Creeks
Rivers
River Trail
City_Boundary
400 Scale Grid
Transportation
Roads
Railroad
Community
Parks_points
Parks
Cadastral
Parcels
Properties
Name Value
GPID 552.000000
GP SP
GP_CLASS Residential
GP_DESC 5 Acres Per Unit Residential
LOCUST ST
CYPRESS AVE
HEMSTED DR
GROVE ST
E CYPRESS AVE
INTERSTATE 5 FWY
PARKVIEW AVE
LONDEN LN
BEAGLE LN
MARAGLIA ST
PARSONS DR
HARTNELL AVE
HENDERSON RD
ELLIS ST
WILSHIRE DR
5TH ST
5 Acres Per Unit Residential
Create a Buffer
Buffer settings
Select features on the image.
Distance around features:
1
Kilometers
Layers to include in the buffer:
General Plan
Refresh
Name for the resulting buffer layer:
Buffer 1
Merge buffer areas
Fill style
Border style
Fill pattern:
Solid
Line pattern:
Solid
Foreground color:
Line color:
Transparency:
50 %
Line thickness:
1
Background color:
transparent
Done
Cancel
X: 1969052.879314, Y: 636491.372683 (Meter)
1 feature selected
1: 14,368
32 x 47 (km)
Powered by MapGuide

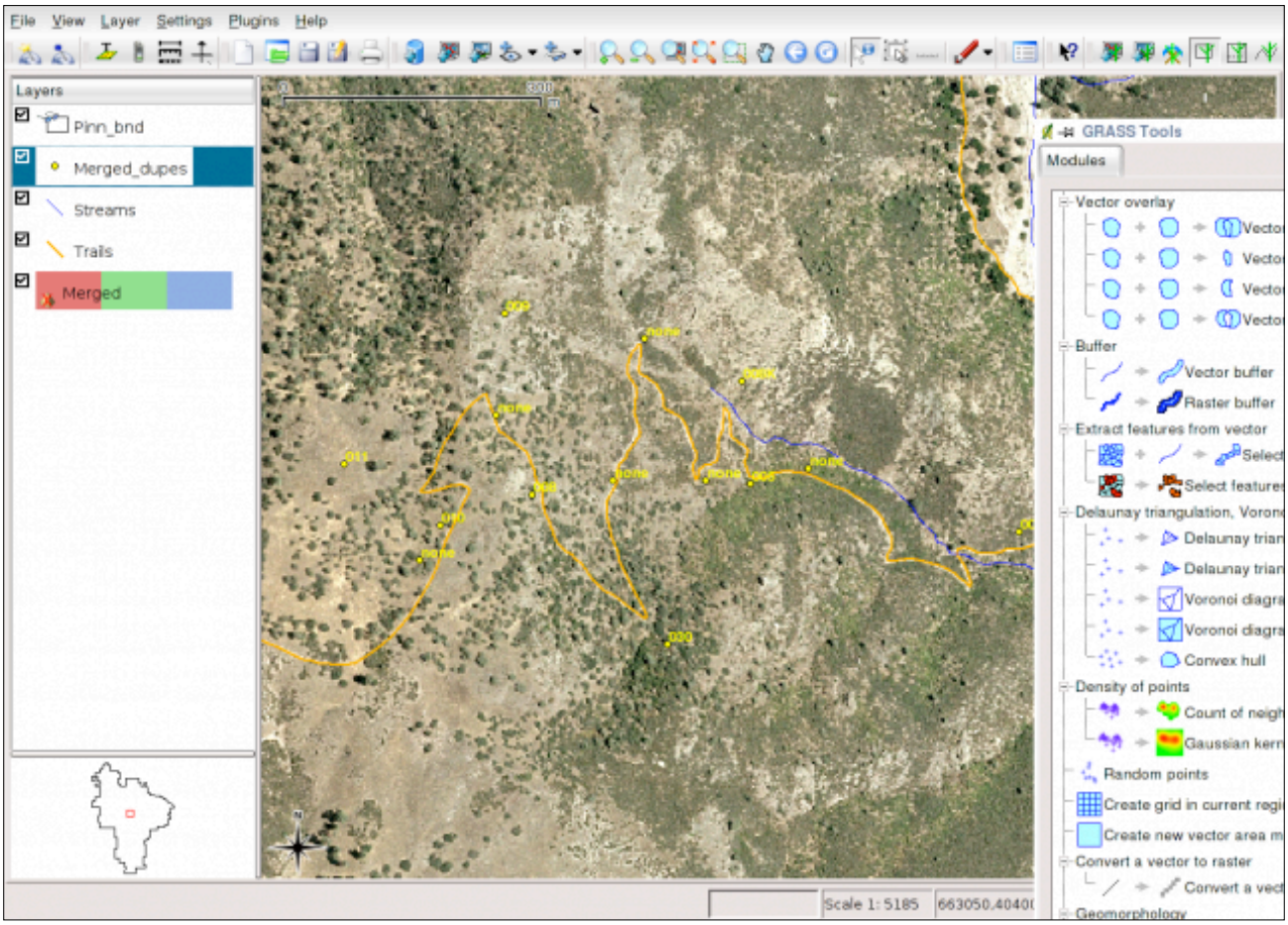

Nanaimo Cemetery Application - Mozilla Firefox
File Edit View Go Bookmarks Tools Help
http://localhost:8008/cemeterymap/#
Nanaimo Cemetery Application
Nanaimo Cemetery Map
Zoom To: Bowen
CITY OF NANAIMO
HOWARD AVE
1896 - Snow, Maria
1927 - Bate, Mark
1928 - Bate, Mark
Home Legend Search Results
2 interments found.
Bate, Mark
Surname Bate
Given Names Mark
Gender M
Date Of Death August 27, 1927
Occupation Mayor
Place of Birth England
Place of Death England
Interment Month 9
Interment Year 1927
Cemetery Name Bowen Cemetery
Bate, Mark
Surname Bate
Given Names Mark
Gender M
Date Of Death November 30, 1928
Place of Birth Nanaimo BC
Place of Death Nanaimo BC
Interment Month 12
Interment Year 1928

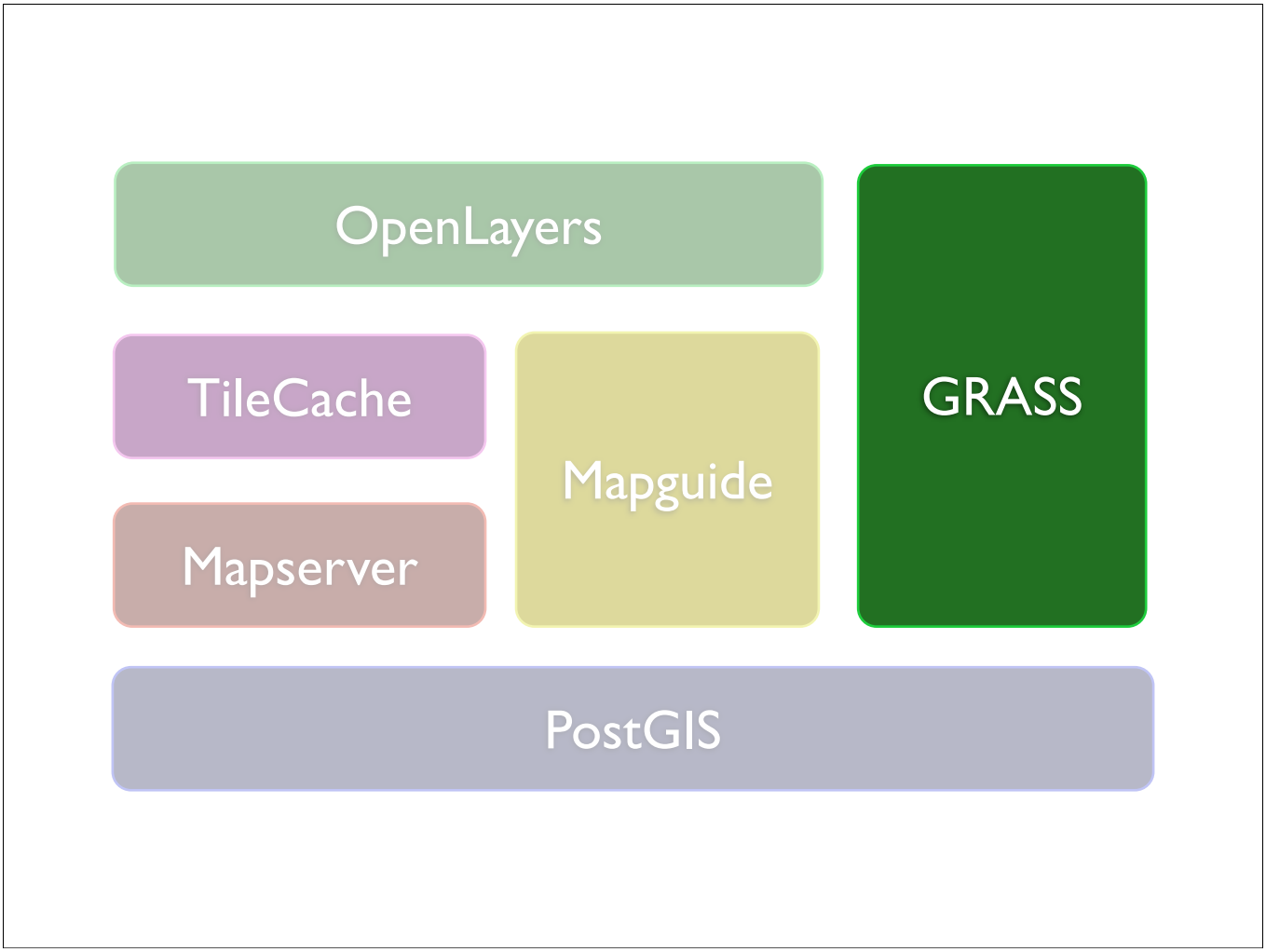
Applications

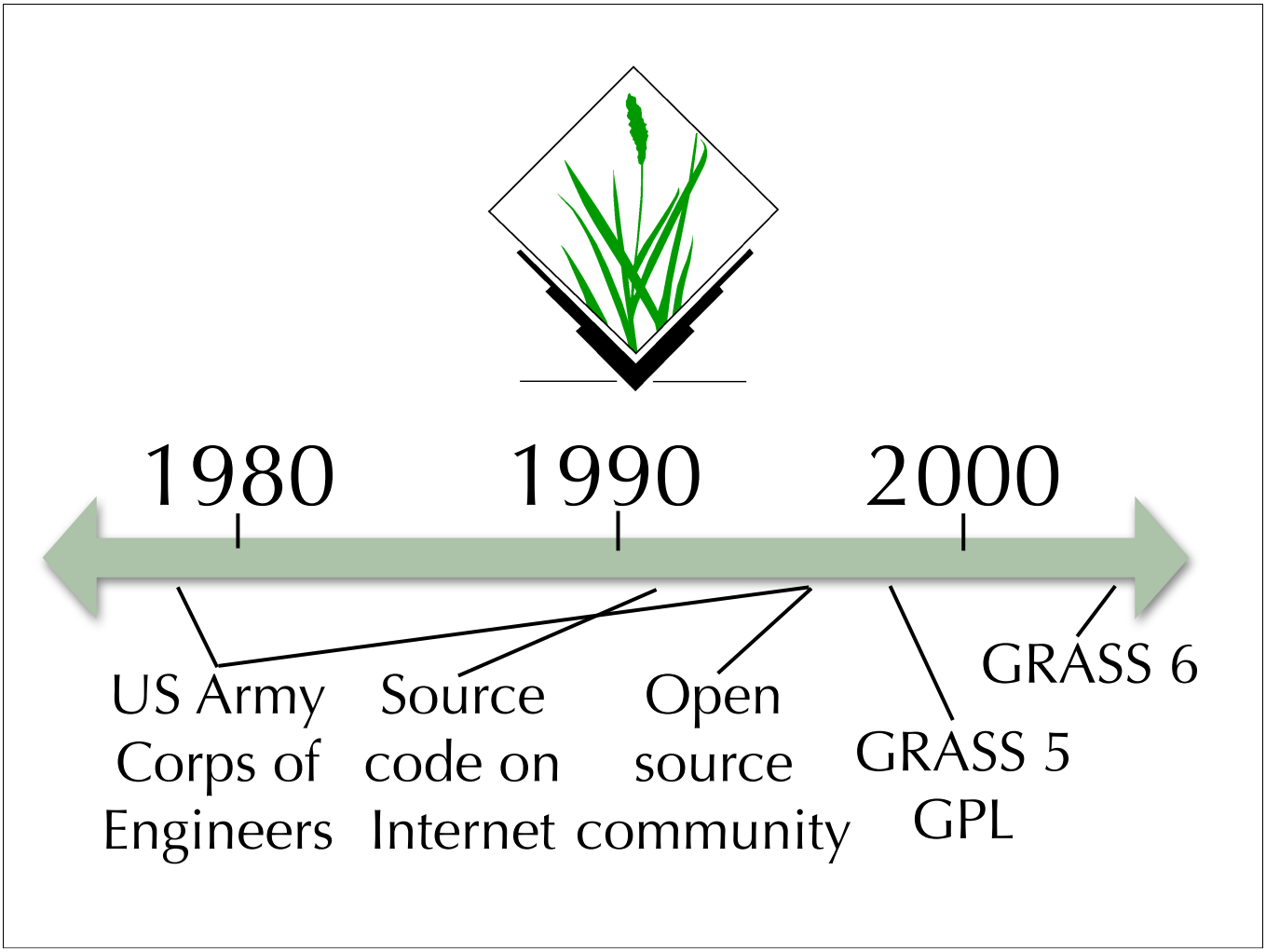

OpenLayers
TileCache
Mapserver
Mapguide
QGIS
PostGIS

GEOS
GDAL
PROJ4
OGR

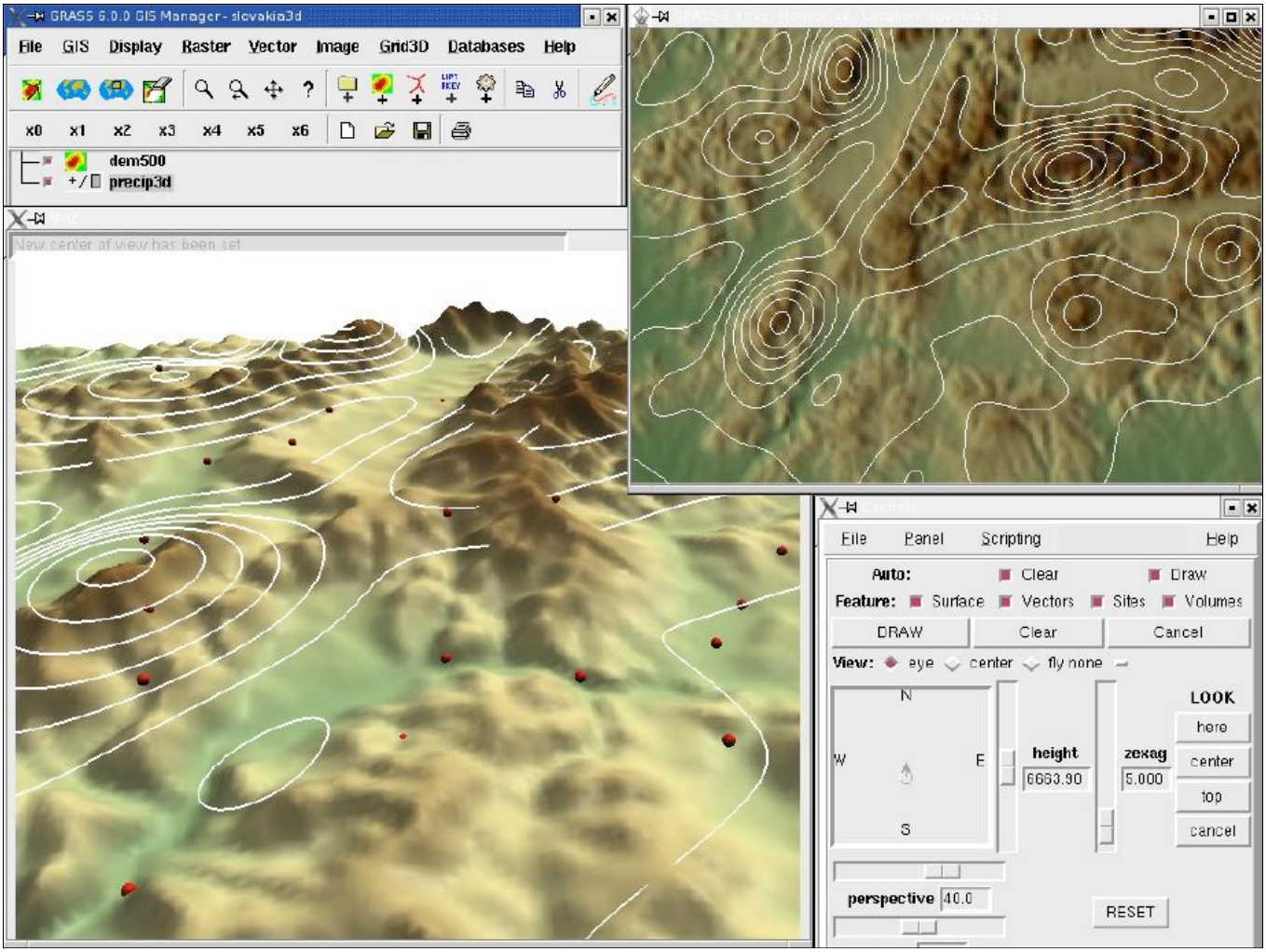

Quantum GIS - 0.7.4 ('Seamus') <@intamap>
File View Layer Settings Plugins Help
Layers
Nuts01
Scale 1: 22955714
3555447,4612844
Render

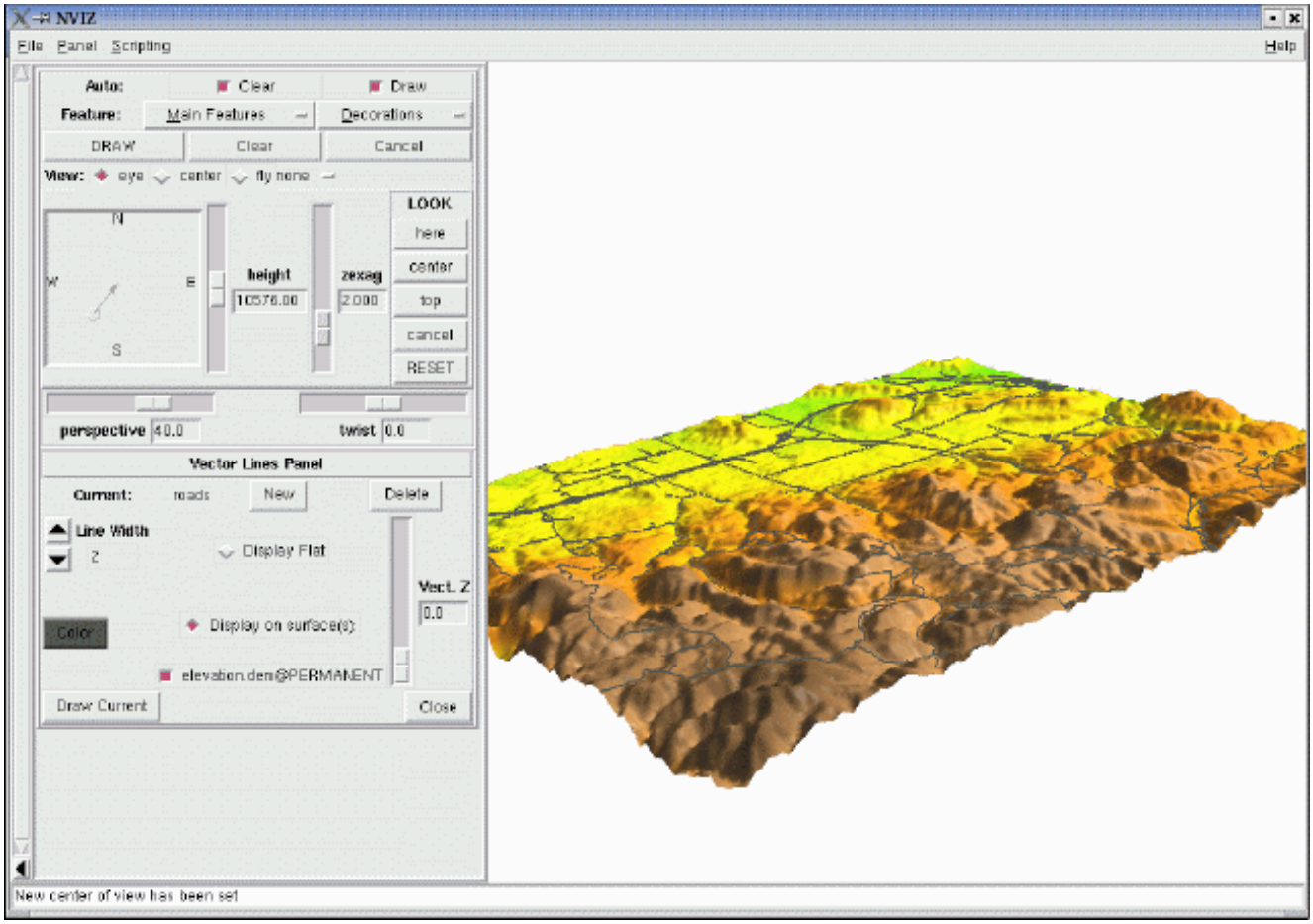

File View Layer Settings Plugins Help
Layers
Pinn_bnd
Merged_dupes
Streams
Trails
Merged
GRASS Tools
Modules
Vector overlay
Buffer
Vector buffer
Raster buffer
Extract features from vector
Delaunay triangulation, Voron
Delaunay trian
Delaunay trian
Voronoi diagra
Voronoi diagra
Convex hull
Density of points
Count of neigh
Gaussian kern
Random points
Create grid in current regi
Create new vector area m
Convert a vector to raster
Convert a vect
Geomorphology
Scale 1: 5185

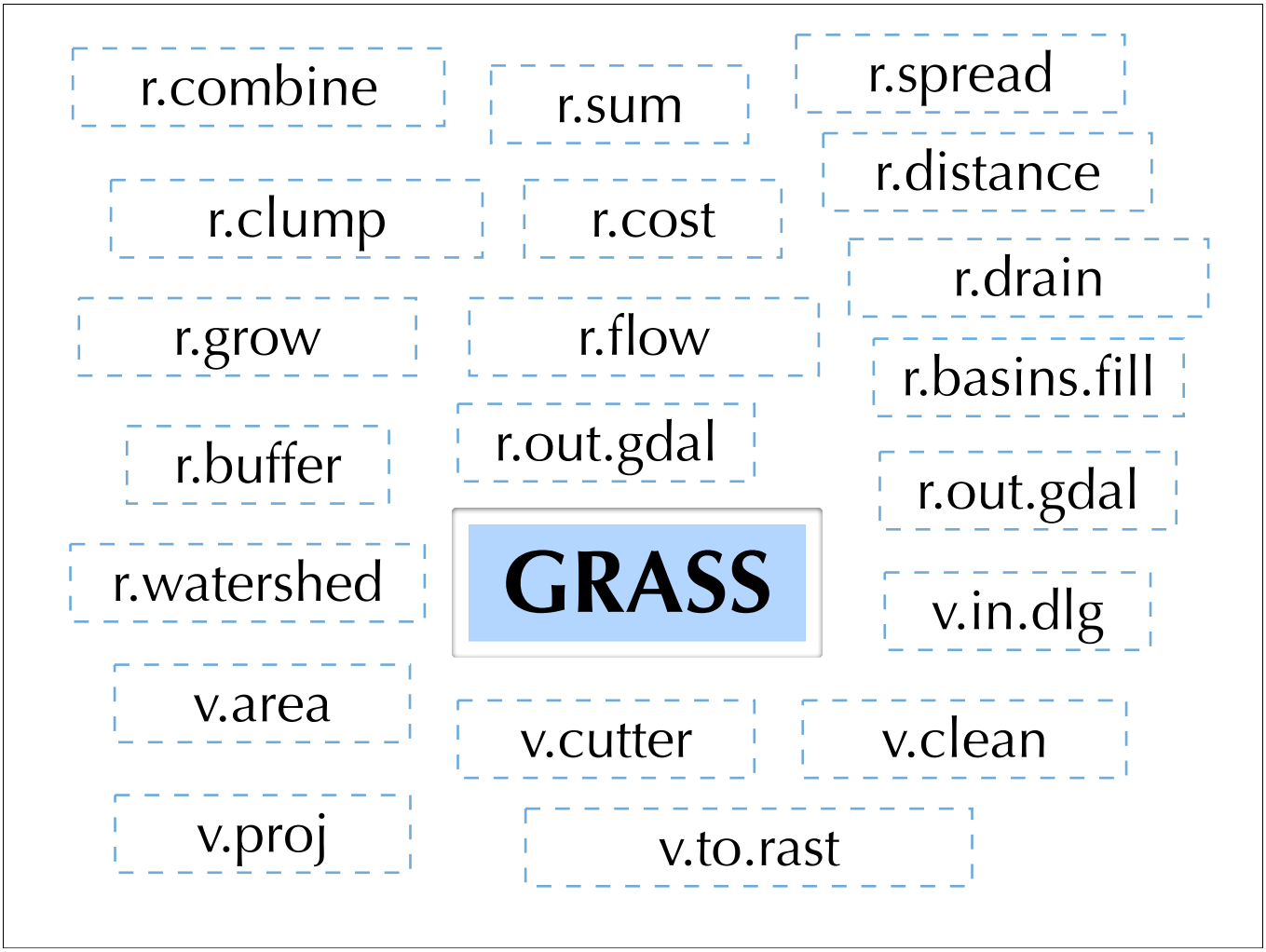

OpenLayers
TileCache
Mapserver
Mapguide
GRASS
PostGIS



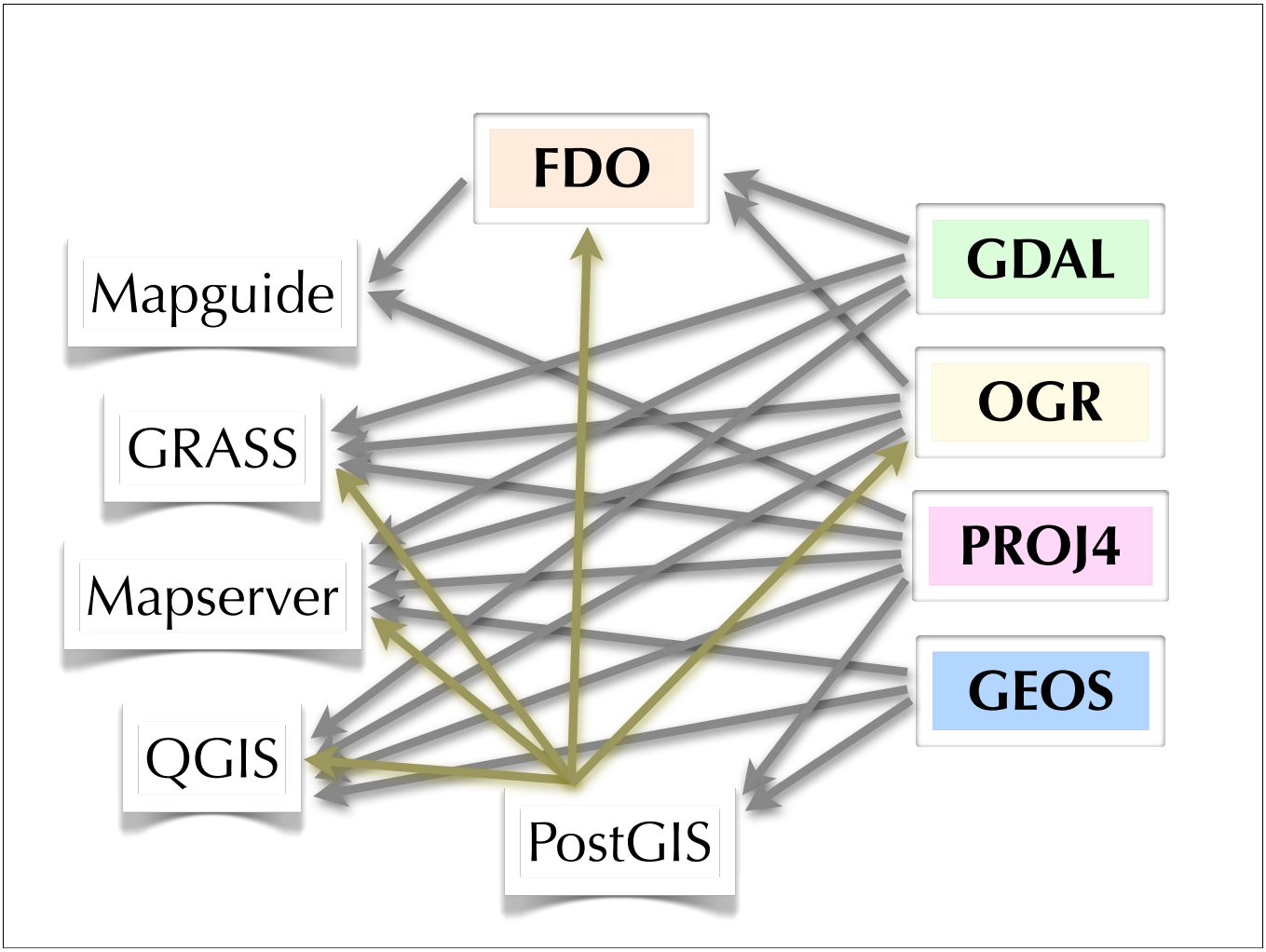
1980s US Army Corps of Engineers
Construction Engineering Research Lab (CERL)
1991 First internet release
1997 Open source development
(CERL no longer leading)
1999 GRASS 5.0, GPL license
2007 GRASS 6.2.2


GRASS 6.0.0 GIS Manager - slovakia3d
File GIS Display Raster Vector Image Grid3D Databases Help
x0 x1 x2 x3 x4 x5 x6
dem500
precip3d
New center of view has been set
File Panel Scripting Help
Auto: Clear Draw
Feature: Surface Vectors Sites Volumes
DRAW Clear Cancel
View: eye center fly none
N
W E
S
height
6663.90
zexag
5.000
LOOK
here
center
top
cancel
perspective
40.0
RESET

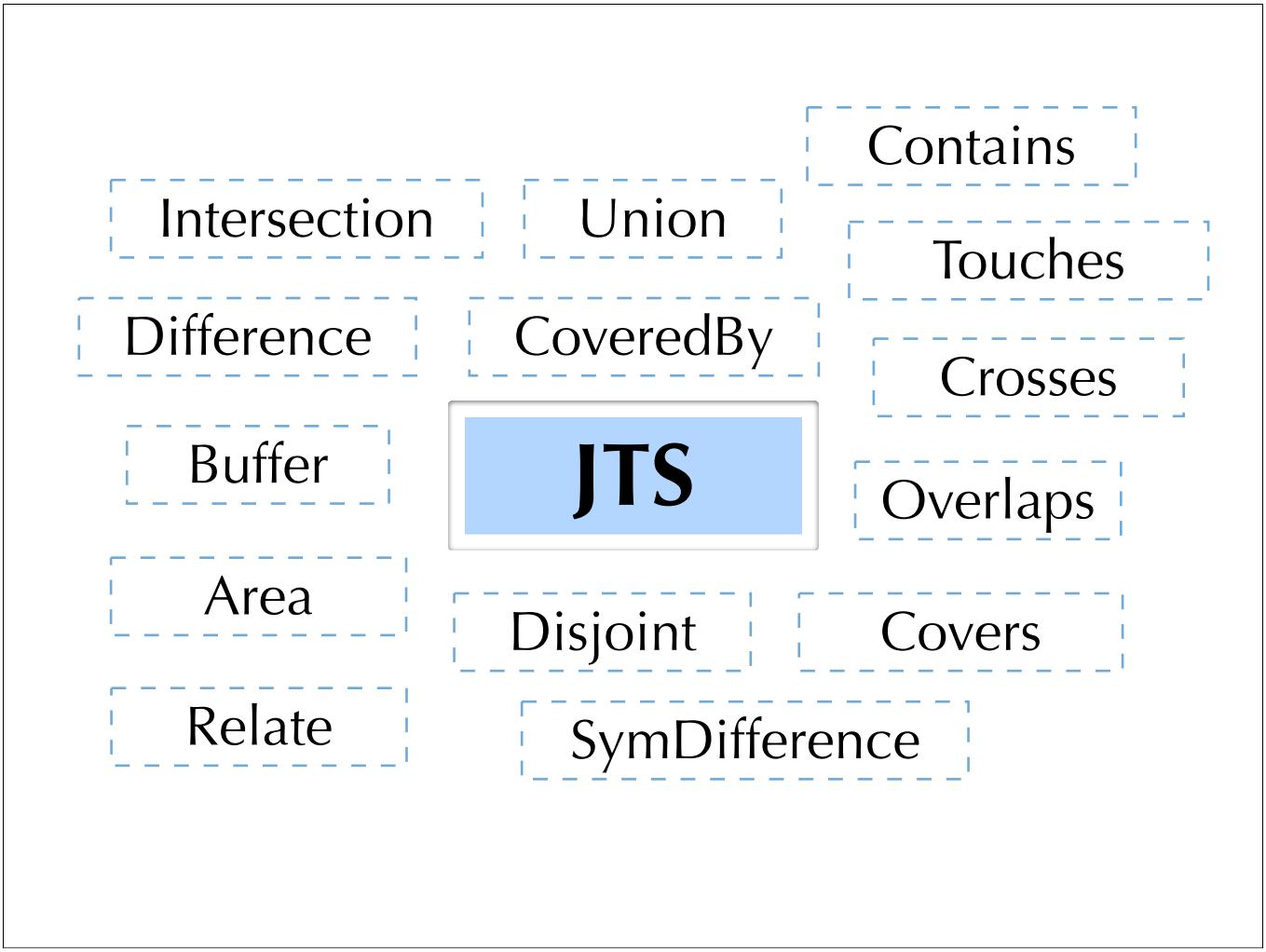

NVIZ
File Panel Scripting
Help
Auto:
Clear
Draw
Feature:
Main Features
Decorations
DRAW
Clear
Cancel
View:
eye
center
fly none
N
W
E
S
height
10576.00
zexag
2.000
LOOK
here
center
top
cancel
RESET
perspective
40.0
twist
0.0
Vector Lines Panel
Current:
roads
New
Delete
Line Width
2
Display Flat
Vect. Z
0.0
Color
Display on surface(s):
elevation.dem@PERMANENT
Draw Current
Close
New center of view has been set

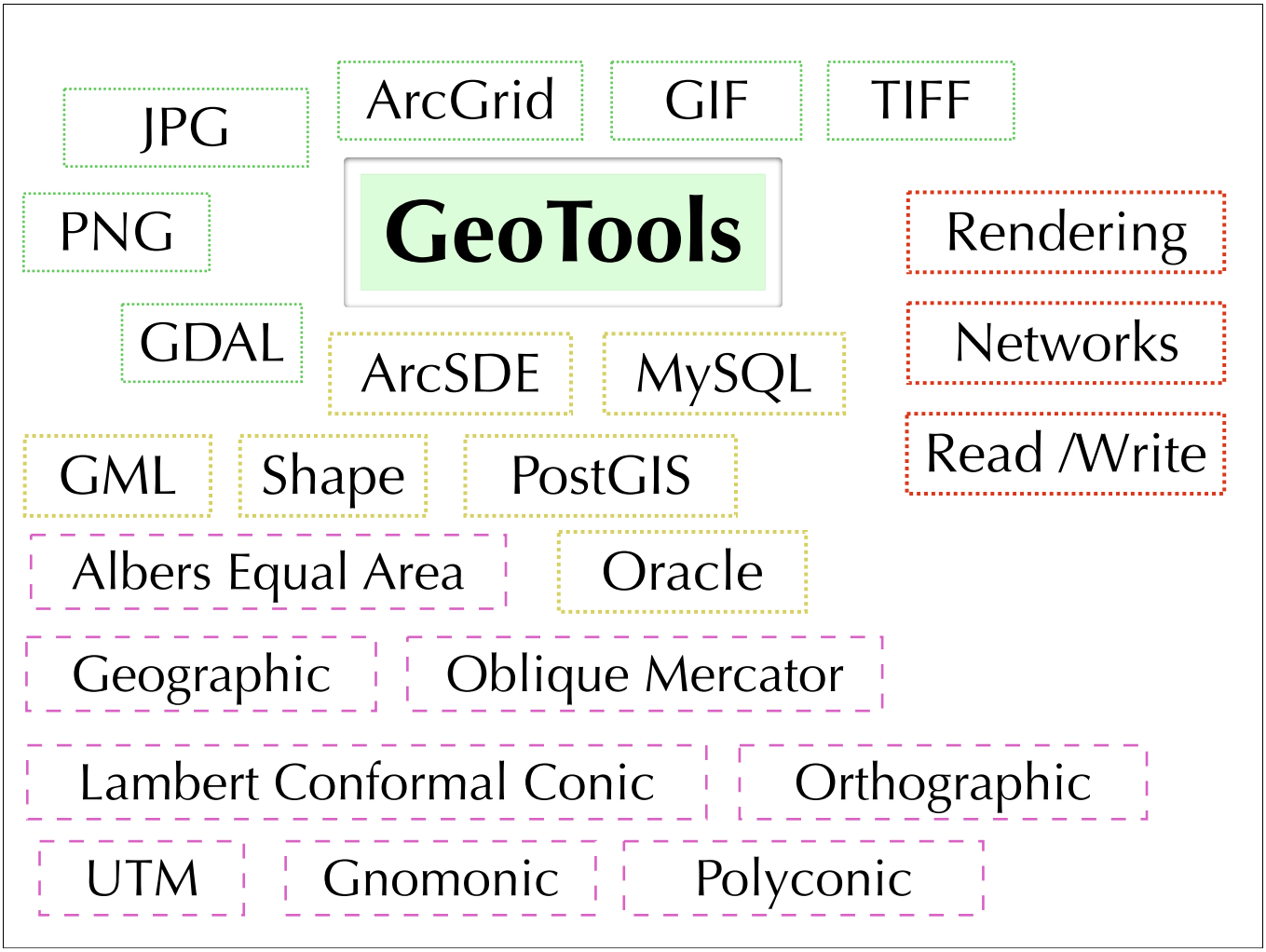

r.combine
r.sum
r.spread
r.distance
r.clump
r.cost
r.drain
r.grow
r.flow
r.basins.fill
r.buffer
r.out.gdal
r.out.gdal
GRASS
r.watershed
v.in.dlg
v.area
v.cutter
v.clean
v.proj
v.to.rast

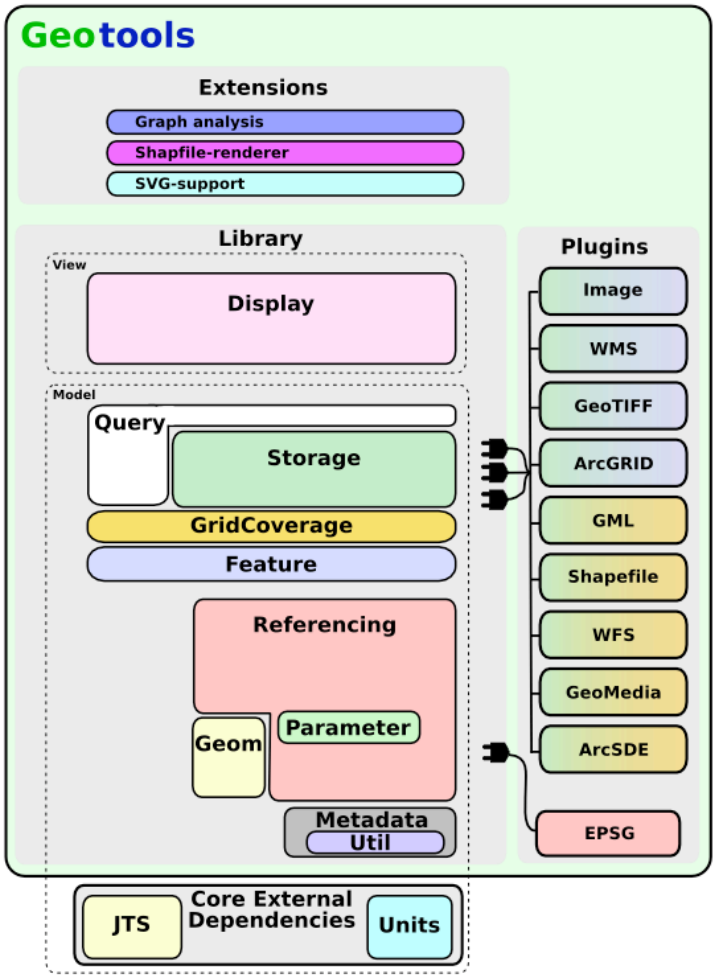
Tribe


FDO
Mapguide
GRASS
Mapserver
QGIS
PostGIS
GDAL
OGR
PROJ4
GEOS

JAVA™ Libraries


Contains
Intersection
Union
Touches
Difference
CoveredBy
Crosses
JTS
Buffer
Overlaps
Area
Disjoint
Covers
Relate
SymDifference


JPG
ArcGrid
GIF
TIFF
PNG
GeoTools
Rendering
GDAL
ArcSDE
MySQL
Networks
Read /Write
GML
Shape
PostGIS
Albers Equal Area
Oracle
Geographic
Oblique Mercator
Lambert Conformal Conic
Orthographic
UTM
Gnomonic
Polyconic


Geotools
Extensions
Graph analysis
Shapfile-renderer
SVG-support
Library
View
Display
Model
Query
Storage
GridCoverage
Feature
Referencing
Geom
Parameter
Metadata
Util
Plugins
Image
WMS
GeoTIFF
ArcGRID
GML
Shapefile
WFS
GeoMedia
ArcSDE
EPSG
JTS
Core External Dependencies
Units

JAVA™ Applications

deegree

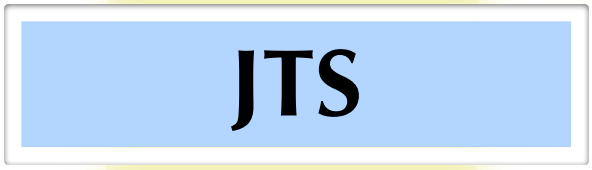
OpenMap™

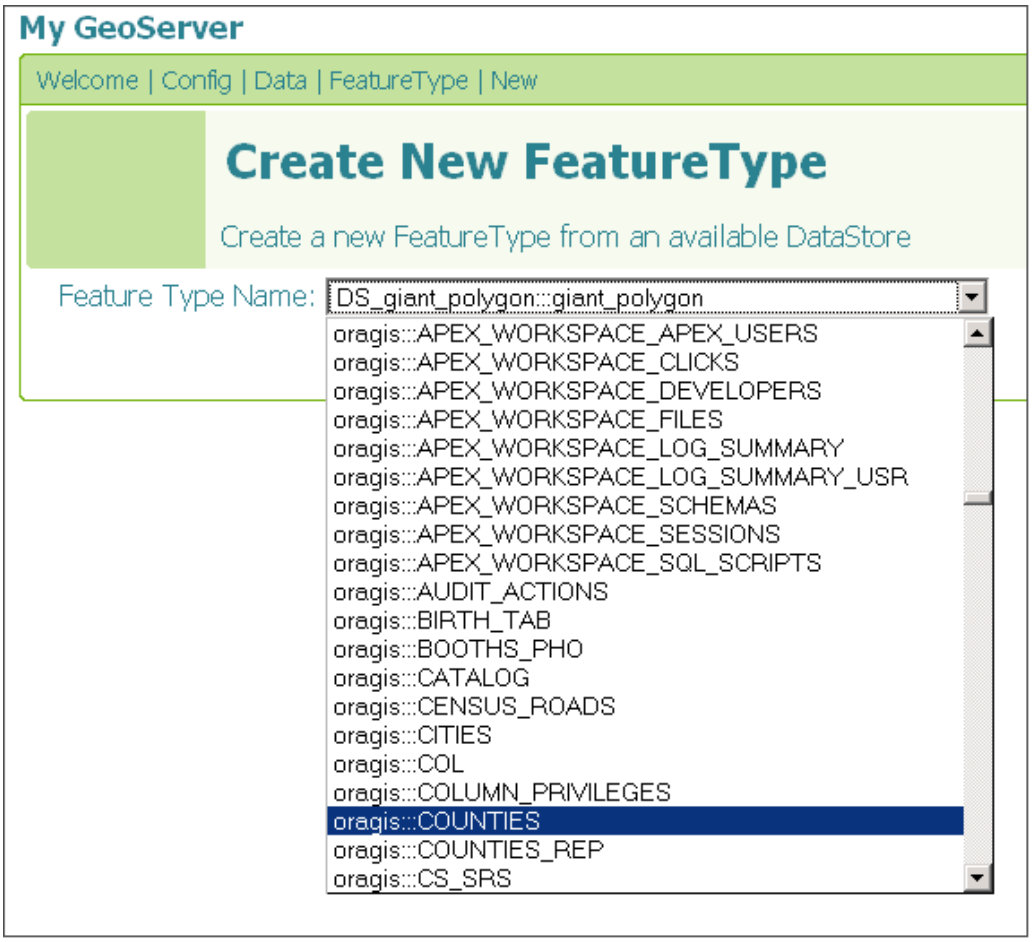
Open Systems Mapping Technology

uDig
User-friendly Desktop Internet GIS

GeoServer
Open Gateway for Geospatial Data

GeoTools
The open source Java GIS toolkit


JTS


My GeoServer
Welcome | Config | Data | FeatureType | New
Create New FeatureType
Create a new FeatureType from an available DataStore
Feature Type Name:
DS_giant_polygon:::giant_polygon
oragis:::APEX_WORKSPACE_APEX_USERS
oragis:::APEX_WORKSPACE_CLICKS
oragis:::APEX_WORKSPACE_DEVELOPERS
oragis:::APEX_WORKSPACE_FILES
oragis:::APEX_WORKSPACE_LOG_SUMMARY
oragis:::APEX_WORKSPACE_LOG_SUMMARY_USR
oragis:::APEX_WORKSPACE_SCHEMAS
oragis:::APEX_WORKSPACE_SESSIONS
oragis:::APEX_WORKSPACE_SQL_SCRIPTS
oragis:::AUDIT_ACTIONS
oragis:::BIRTH_TAB
oragis:::BOOTHS_PHO
oragis:::CATALOG
oragis:::CENSUS_ROADS
oragis:::CITIES
oragis:::COL
oragis:::COLUMN_PRIVILEGES
oragis:::COUNTIES
oragis:::COUNTIES_REP
oragis:::CS_SRS

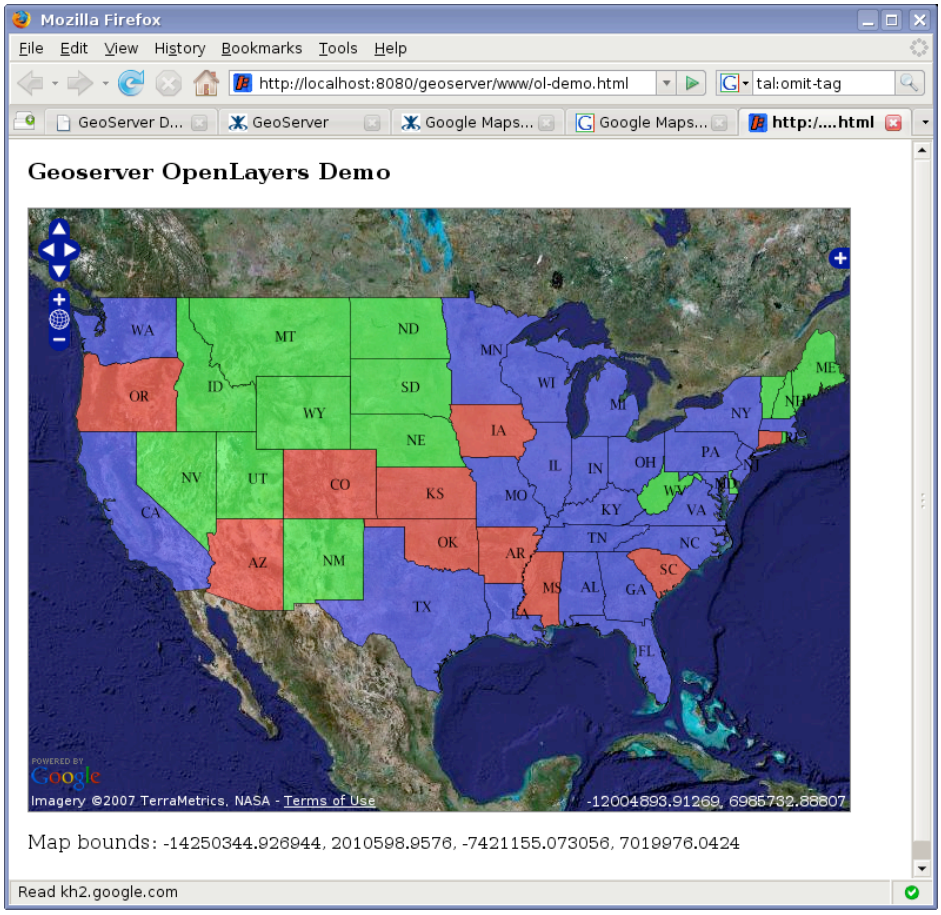
Inputs

- TIFF
- Shape
- PostGIS
- Oracle
- ArcSDE

Geoserver

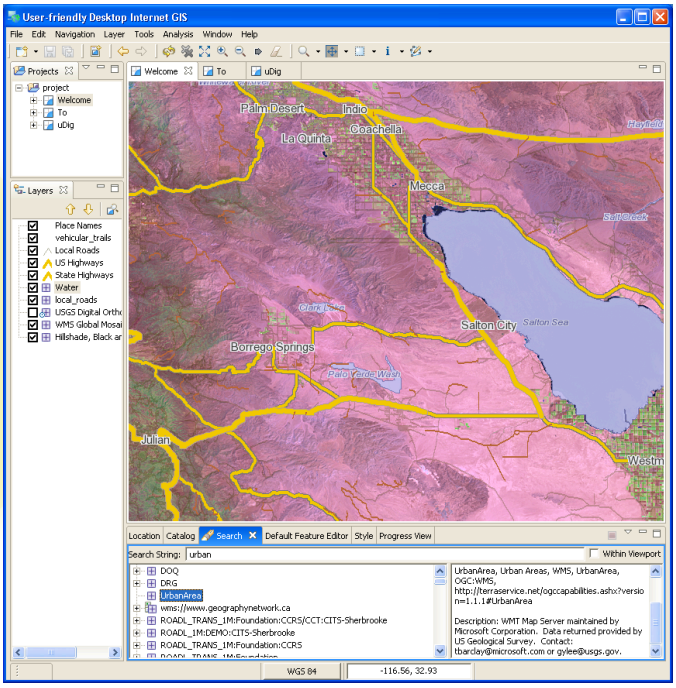
Outputs

- WMS
- WFS
- KML
- GeoJSON
- GeoRSS

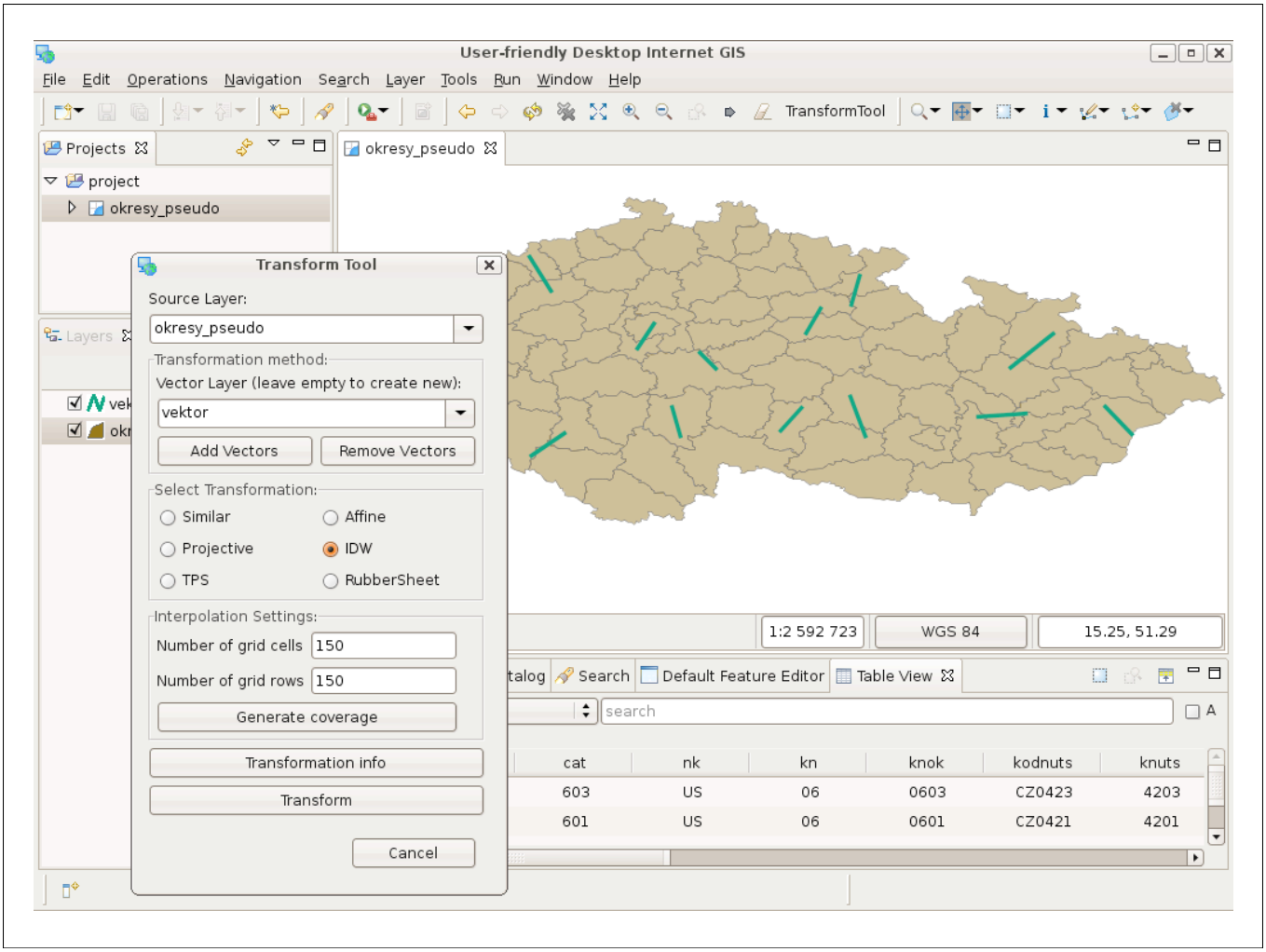

Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost:8080/geoserver/www/ol-demo.html
tal:omit-tag
GeoServer D...
GeoServer
Google Maps...
Google Maps...
http:/....html
Geoserver OpenLayers Demo
WA
MT
ND
MN
OR
ID
SD
WI
MI
WY
NY
IA
NE
IL
IN
OH
PA
NV
UT
CO
KS
MO
WV
VA
CA
KY
TN
NC
AZ
NM
OK
AR
SC
MS
AL
GA
TX
LA
FL
ME
NH
Imagery ©2007 TerraMetrics, NASA - Terms of Use
-12004893.91269, 6985732.88607
Map bounds: -14250344.926944, 2010598.9576, -7421155.073056, 7019976.0424
Read kh2.google.com

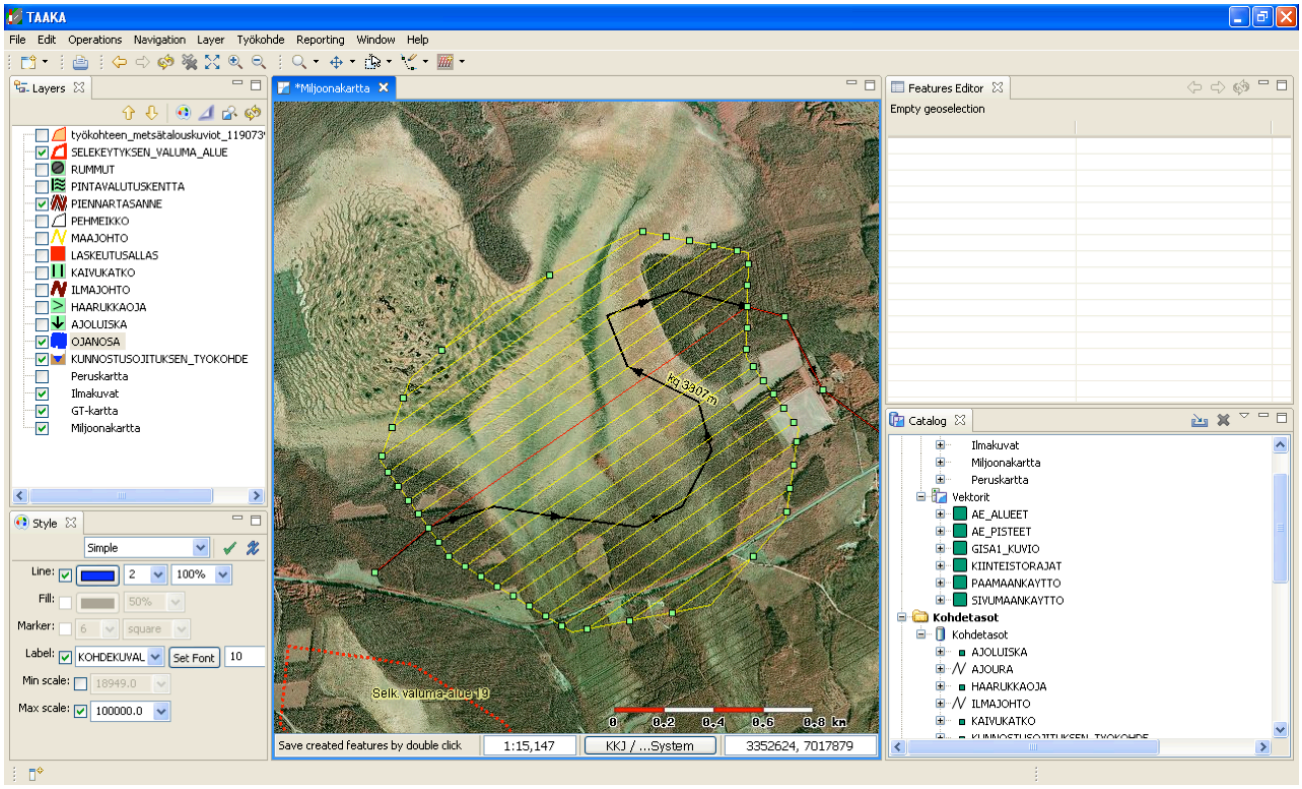
- WMS
- WFS
- KML
- TIFF
- Shape
- PostGIS
- Oracle
- ArcSDE

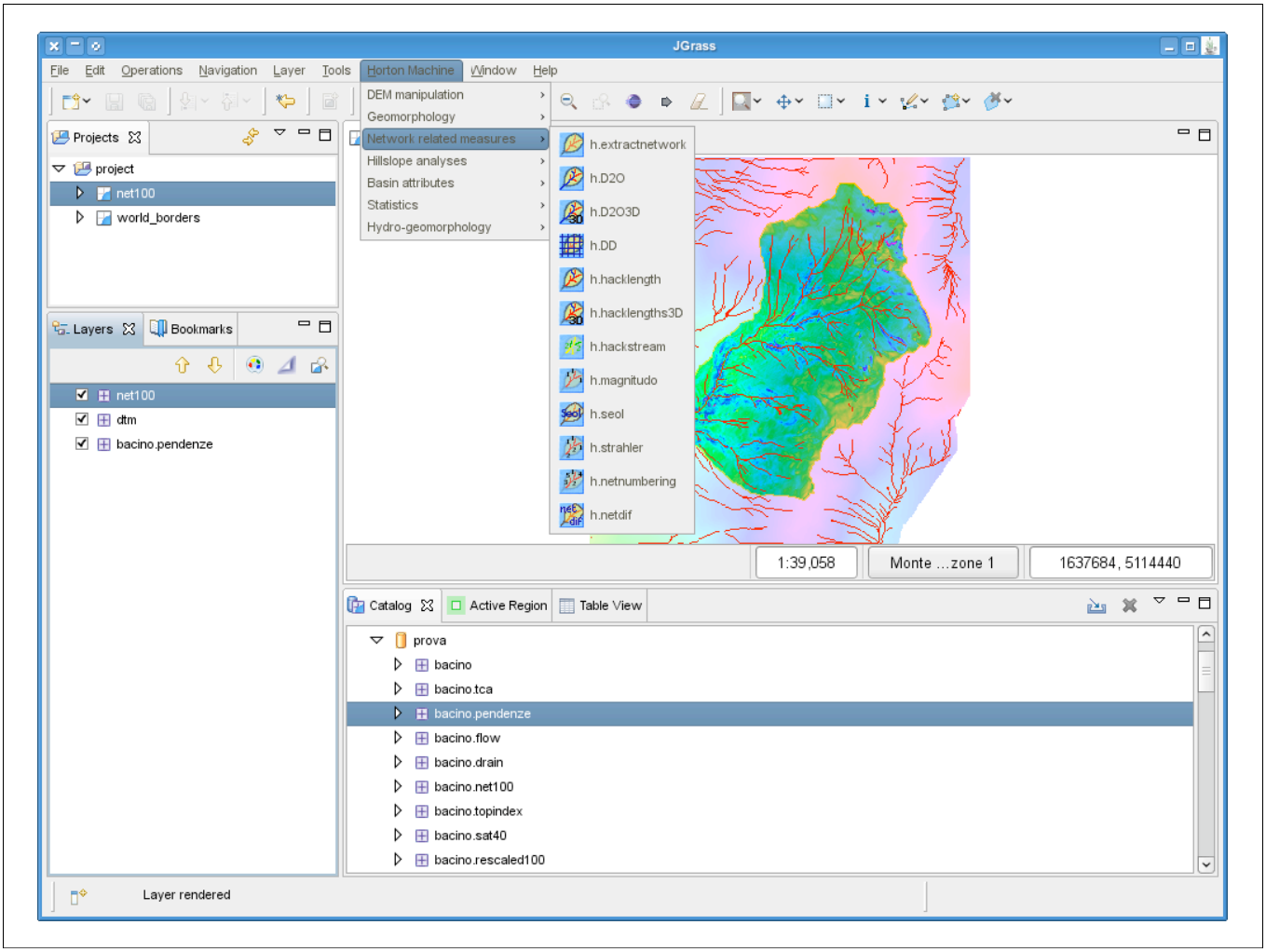
uDig
User-friendly Desktop Internet GIS

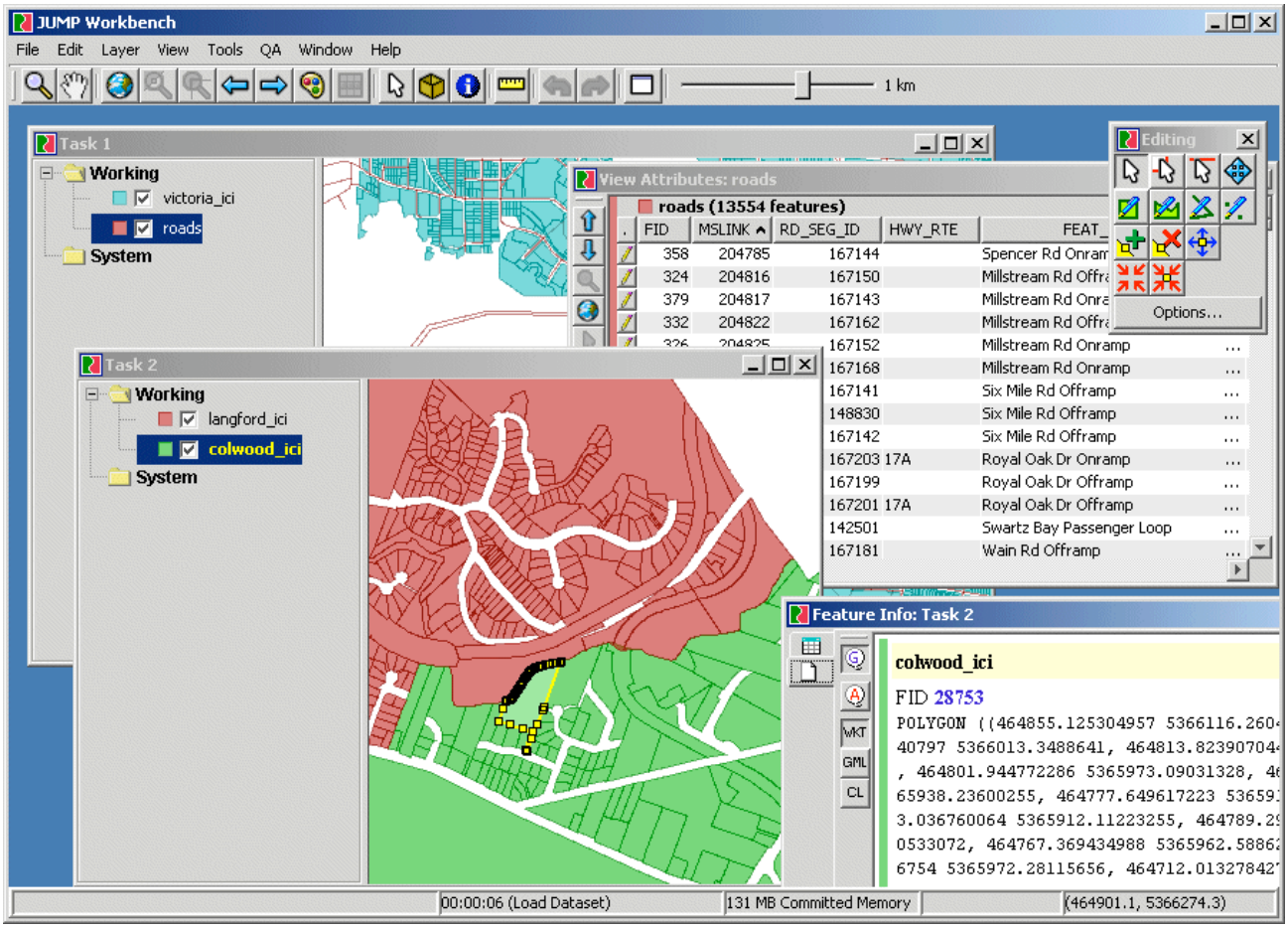


eclipse
Rich
Client
Platform

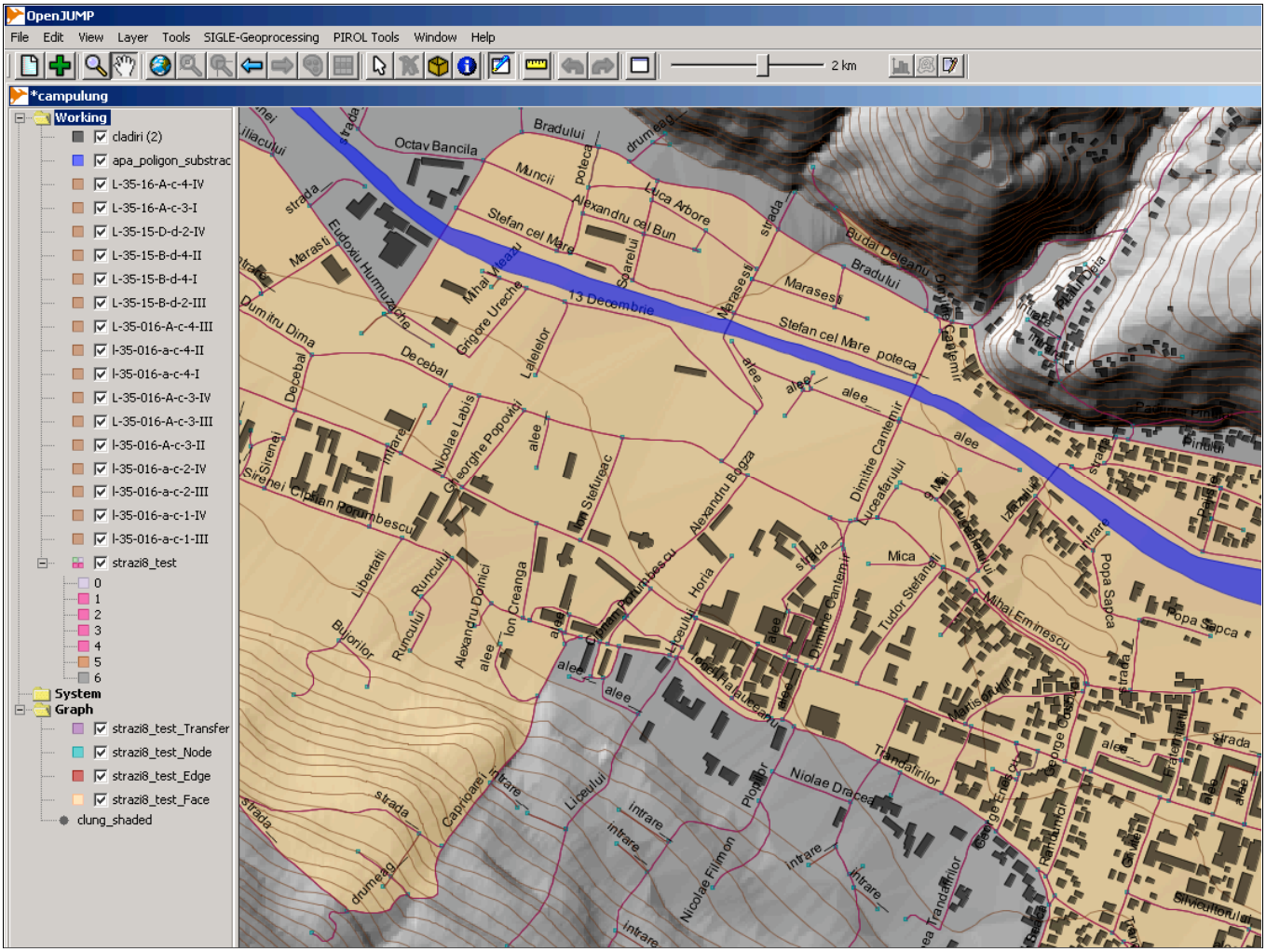

User-friendly Desktop Internet GIS
File Edit Operations Navigation Search Layer Tools Run Window Help
TransformTool
Projects
project
okresy_pseudo
okresy_pseudo
Transform Tool
Source Layer:
okresy_pseudo
Transformation method:
Vector Layer (leave empty to create new):
vektor
Add Vectors
Remove Vectors
Select Transformation:
Similar
Affine
Projective
IDW
TPS
RubberSheet
Interpolation Settings:
Number of grid cells 150
Number of grid rows 150
Generate coverage
Transformation info
Transform
Cancel
1:2 592 723
WGS 84
15.25, 51.29
Search
Default Feature Editor
Table View
search
cat nk kn knok kodnuts knuts
603 US 06 0603 CZ0423 4203
601 US 06 0601 CZ0421 4201

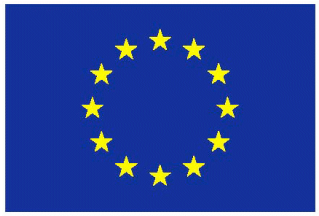

TAAKA
File Edit Operations Navigation Layer Työkohde Reporting Window Help
Layers
työkohteen_metsätalouskuviot_119073
SELEKEYTYKSEN_VALUMA_ALUE
RUMMUT
PINTAVALUTUSKENTTA
PIENNARTASANNE
PEHMEIKKO
MAAJOHTO
LASKEUTUSALLAS
KAIVUKATKO
ILMAJOHTO
HAARUKKAOJA
AJOLUISKA
OJANOSA
KUNNOSTUSOJITUKSEN_TYOKOHDE
Peruskartta
Ilmakuvat
GT-kartta
Miljoonakartta
Style
Simple
Line:
Fill:
Marker:
Label:
KOHDEKUVAL
Set Font
Min scale:
Max scale:
*Miljoonakartta
kg 9307 m
Selk. valuma-alue 19
0 0.2 0.4 0.6 0.8 km
Save created features by double click
1:15,147
KKJ / ...System
3352624, 7017879
Features Editor
Empty geoselection
Catalog
Ilmakuvat
Miljoonakartta
Peruskartta
Vektorit
AE_ALUEET
AE_PISTEET
GISA1_KUVIO
KIINTEISTORAJAT
PAAMAANKAYTTO
SIVUMAANKAYTTO
Kohdetasot
Kohdetasot
AJOLUISKA
AJOURA
HAARUKKAOJA
ILMAJOHTO
KAIVUKATKO


JGrass
File Edit Operations Navigation Layer Tools Horton Machine Window Help
DEM manipulation
Geomorphology
Network related measures
Hillslope analyses
Basin attributes
Statistics
Hydro-geomorphology
h.extractnetwork
h.D2O
h.D2O3D
h.DD
h.hacklength
h.hacklengths3D
h.hackstream
h.magnitudo
h.seol
h.strahler
h.netnumbering
h.netdif
Projects
project
net100
world_borders
Layers
Bookmarks
net100
dtm
bacino.pendenze
1:39,058
Monte ...zone 1
1637684, 5114440
Catalog
Active Region
Table View
prova
bacino
bacino.tca
bacino.pendenze
bacino.flow
bacino.drain
bacino.net100
bacino.topindex
bacino.sat40
bacino.rescaled100
Layer rendered


JUMP Workbench
File Edit Layer View Tools QA Window Help
1 km
Task 1
Working
victoria_ici
roads
System
View Attributes: roads
roads (13554 features)
FID MSLINK RD_SEG_ID HWY_RTE FEAT_
358 204785 167144 Spencer Rd Onram
324 204816 167150 Millstream Rd Offra
379 204817 167143 Millstream Rd Onra
332 204822 167162 Millstream Rd Offra
167152 Millstream Rd Onramp
167168 Millstream Rd Onramp
167141 Six Mile Rd Offramp
148830 Six Mile Rd Offramp
167142 Six Mile Rd Offramp
167203 17A Royal Oak Dr Onramp
167199 Royal Oak Dr Offramp
167201 17A Royal Oak Dr Offramp
142501 Swartz Bay Passenger Loop
167181 Wain Rd Offramp
Editing
Options...
Task 2
Working
langford_ici
colwood_ici
System
Feature Info: Task 2
colwood_ici
FID 28753
POLYGON ((464855.125304957 5366116.260
40797 5366013.3488641, 464813.82390704
, 464801.944772286 5365973.09031328, 4
65938.23600255, 464777.649617223 53659
3.036760064 5365912.11223255, 464789.2
0533072, 464767.369434988 5365962.5886
6754 5365972.28115656, 464712.01327842
WKT
GML
CL
00:00:06 (Load Dataset)
131 MB Committed Memory
(464901.1, 5366274.3)

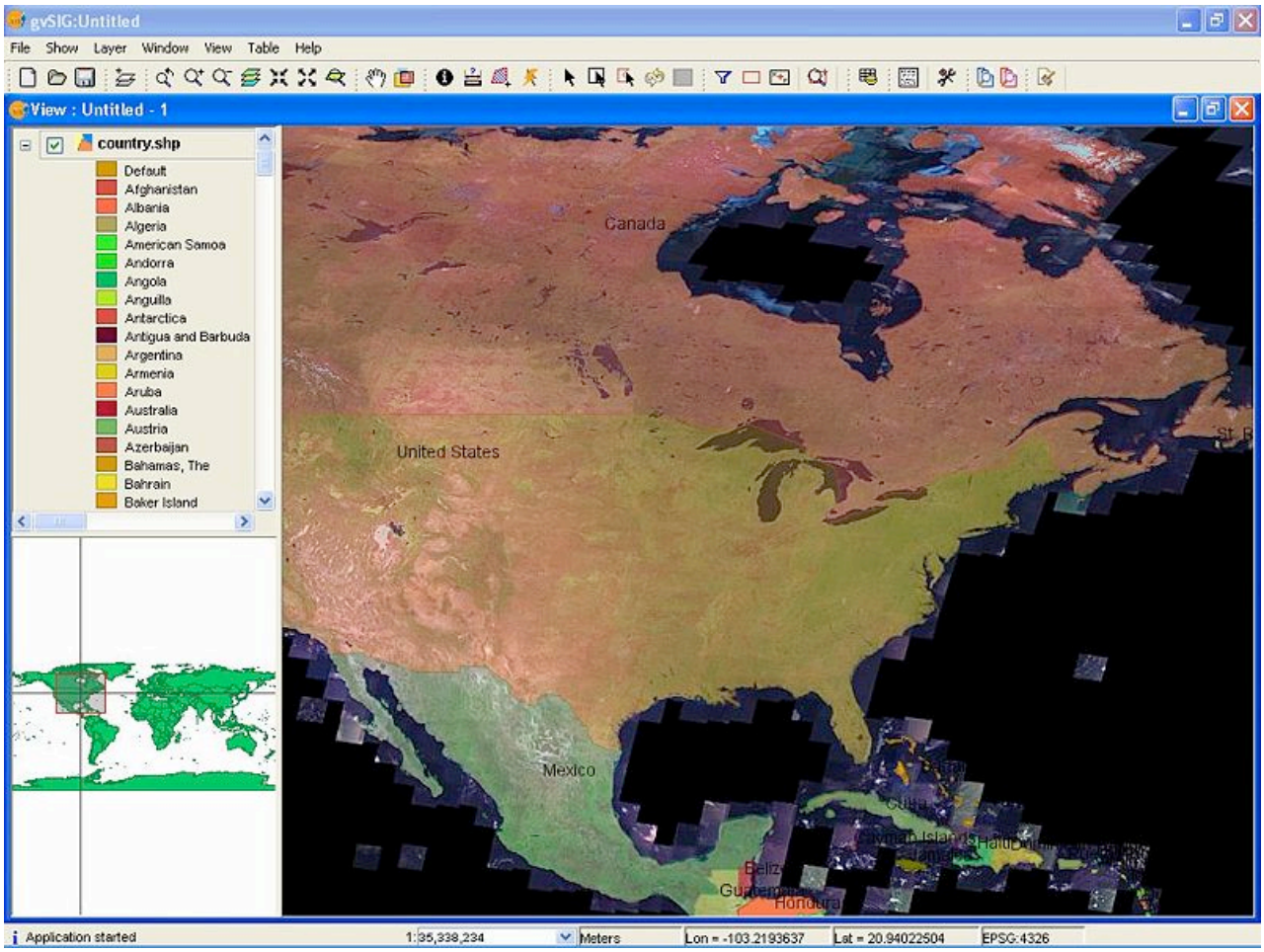
JUMP
OpenJUMP
Kosmo
SkyJUMP
PirolJUMP

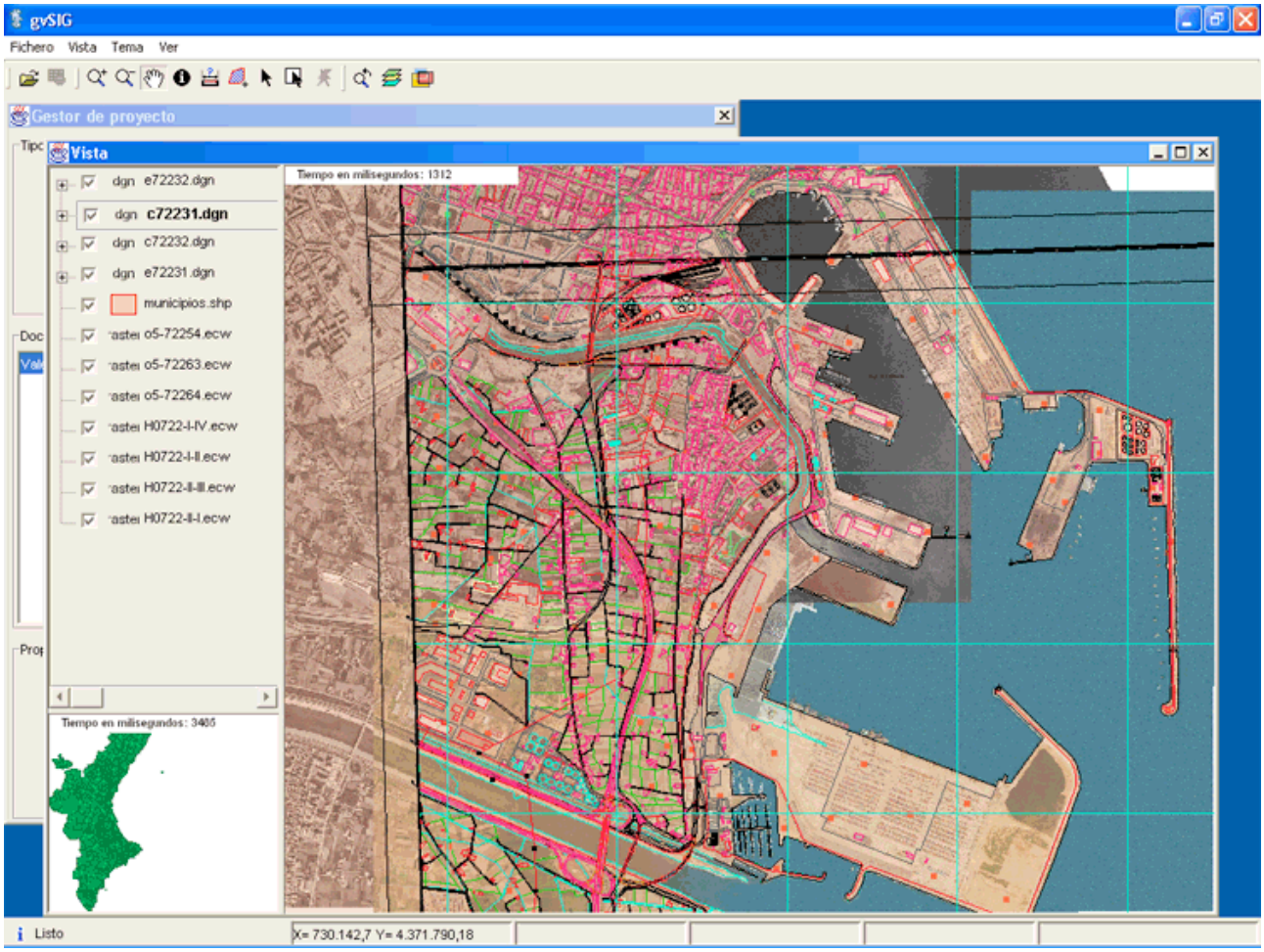

OpenJUMP
File Edit View Layer Tools SIGLE-Geoprocessing PIROL Tools Window Help
2 km
*campulung
Working
cladiri (2)
apa_poligon_substrac
L-35-16-A-c-4-IV
L-35-16-A-c-3-I
L-35-15-D-d-2-IV
L-35-15-B-d-4-II
L-35-15-B-d-4-I
L-35-15-B-d-2-III
L-35-016-A-c-4-III
I-35-016-a-c-4-II
I-35-016-a-c-4-I
L-35-016-A-c-3-IV
L-35-016-A-c-3-III
I-35-016-A-c-3-II
I-35-016-a-c-2-IV
I-35-016-a-c-2-III
I-35-016-a-c-1-IV
I-35-016-a-c-1-III
strazi8_test
0
1
2
3
4
5
6
System
Graph
strazi8_test_Transfer
strazi8_test_Node
strazi8_test_Edge
strazi8_test_Face
clung_shaded
Bradului
Octav Bancila
Muncii
poteca
drumeag
Luca Arbore
Alexandru cel Bun
Stefan cel Mare
strada
Marasti
Eudoxiu Hurmuzachie
Mihai Viteazu
Grigore Ureche
13 Decembrie
Marasesti
Budai Deleanu
Dumitru Dima
Decebal
Lalelelor
Stefan cel Mare poteca
alee
Dimitrie Cantemir
Nicolae Labis
Gheorghe Popovici
intrare
Sirenei
Ciprian Porumbescu
Ion Stefureac
Alexandru Bogza
Luceafarului
Libertatii
Bujorilor
Alexandru Donici
Ion Creanga
Horia
Liceului
Mica
Tudor Stefanei
Mihai Eminescu
Popa Sapca
Trandafirilor
Nicolae Dracea
Capriorei
Nicolae Filimon
Silvicultorilor



GPL

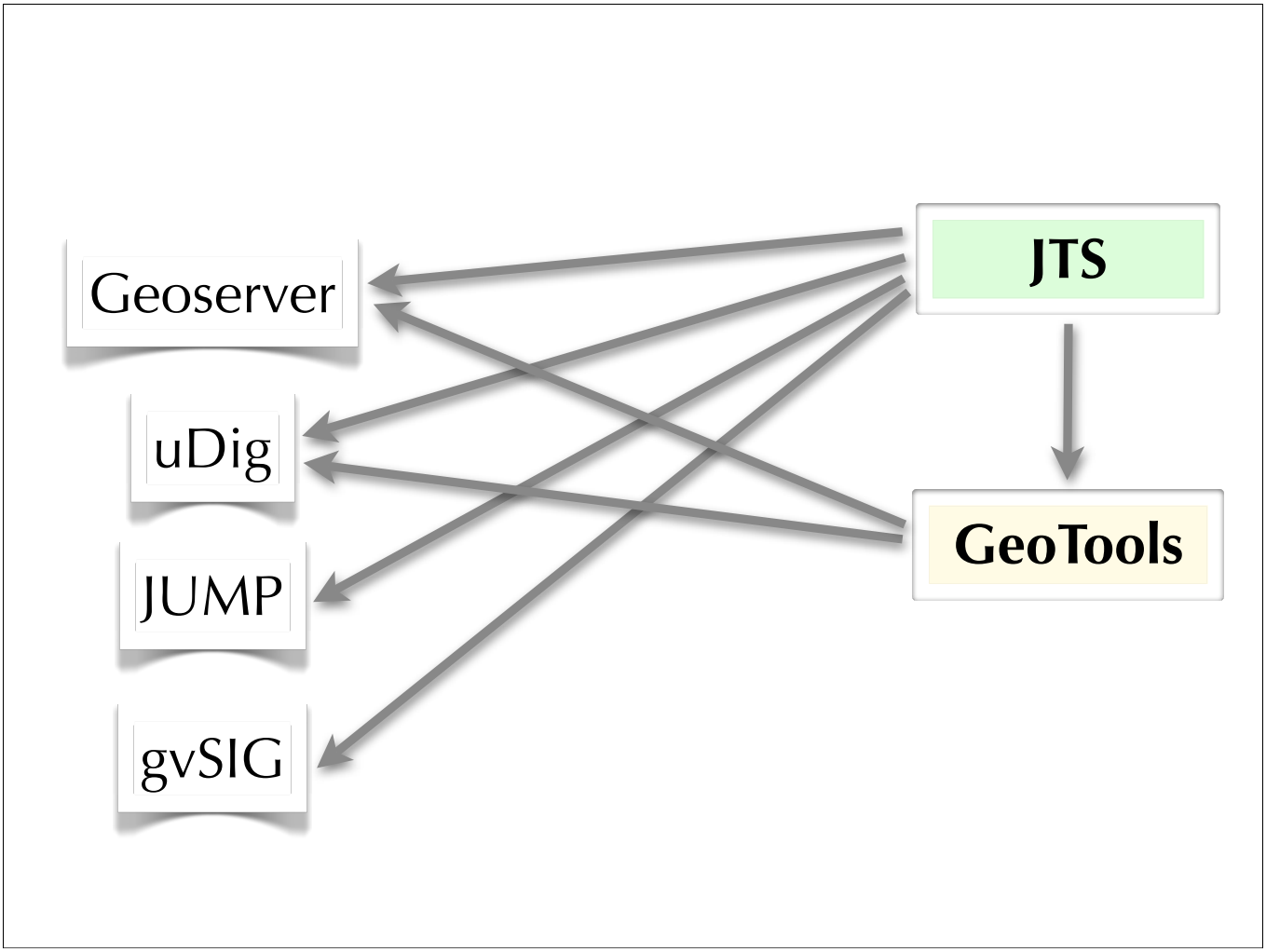
€2.000.000


gvSIG:Untitled
File Show Layer Window View Table Help
View : Untitled - 1
country.shp
Default
Afghanistan
Albania
Algeria
American Samoa
Andorra
Angola
Anguilla
Antarctica
Antigua and Barbuda
Argentina
Armenia
Aruba
Australia
Austria
Azerbaijan
Bahamas, The
Bahrain
Baker Island
Canada
United States
Mexico
Cuba
Belize
Honduras
Application started
1:35,338,234
Meters
Lon = -103.2193637
Lat = 20.94022504
EPSG:4326


gvSIG
Fichero Vista Tema Ver
Gestor de proyecto
Vista
dgn e72232.dgn
dgn c72231.dgn
dgn c72232.dgn
dgn e72231.dgn
municipios.shp
o5-72254.ecw
o5-72263.ecw
o5-72264.ecw
H0722-I-IV.ecw
H0722-I-II.ecw
H0722-II-III.ecw
H0722-II-I.ecw
Tiempo en milisegundos: 1312
Tiempo en milisegundos: 3485
Listo
X= 730.142,7 Y= 4.371.790,18

uDig
User-friendly Desktop Internet GIS
Galacia
Rioja
Castilla y Leon
Catalunia
Costa
Brava
Aragon
Costa Dorado
Madrid
Minorca
Majorca
gv
SIG
Extremadura
Castilla La Mancha
Ibiza
Costa Blanca
Kosmo
Murcia
Costa Calida
Lanzarote
Tenerife
Fuerteventura
Costa Almeria

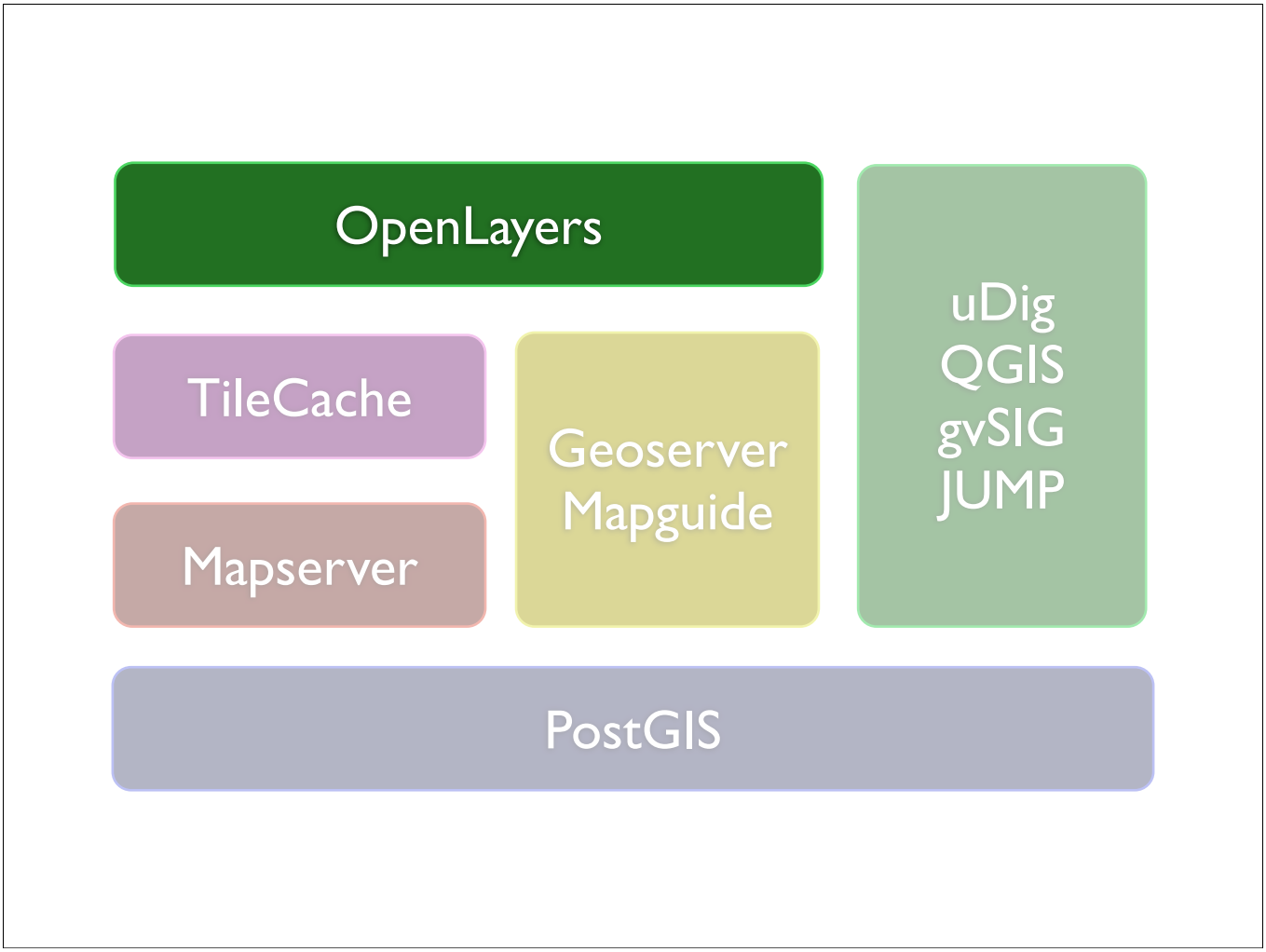
JAVA™ Tribe


JTS
GeoTools
Geoserver
uDig
JUMP
gvSIG

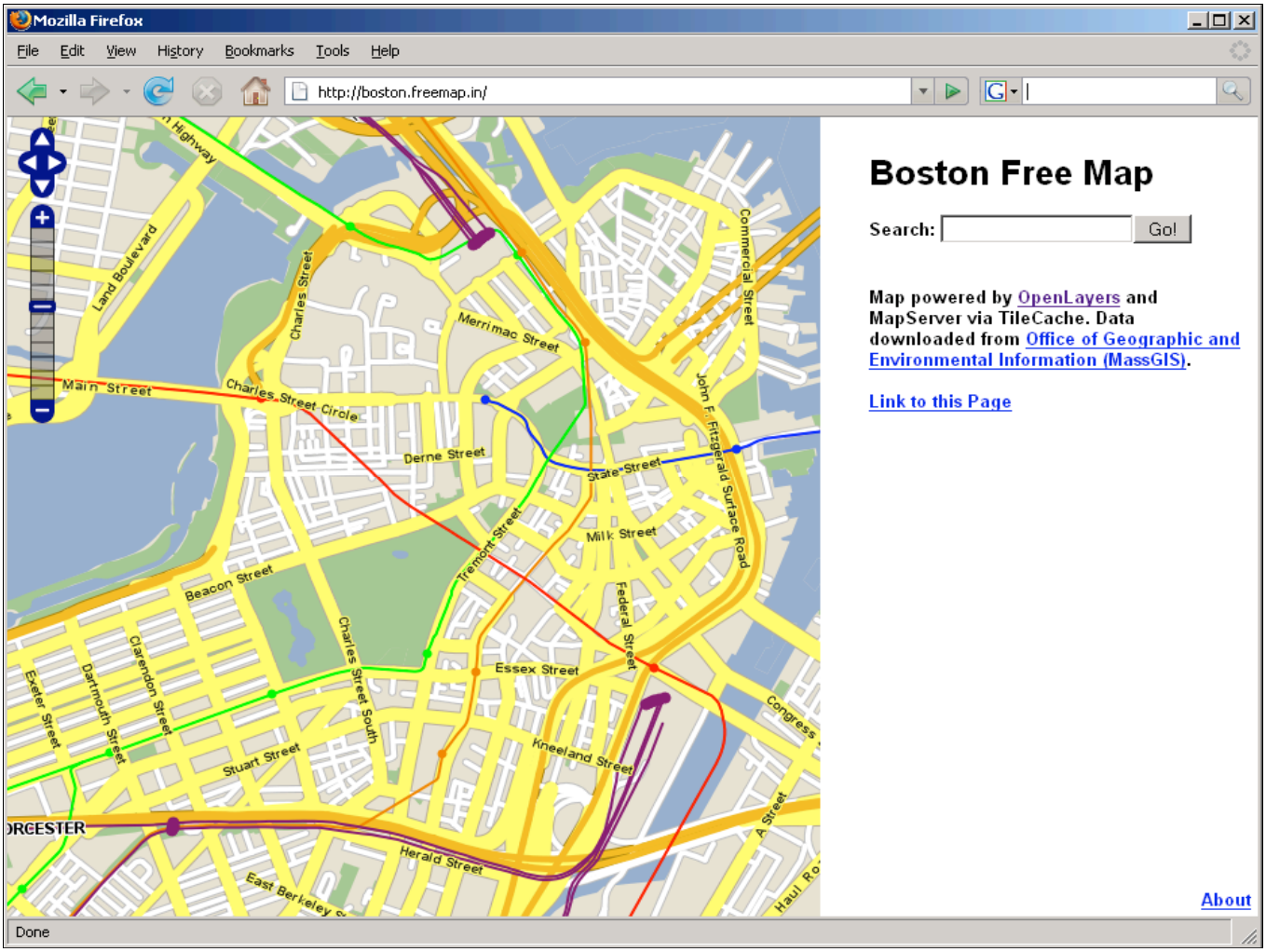
Tribe

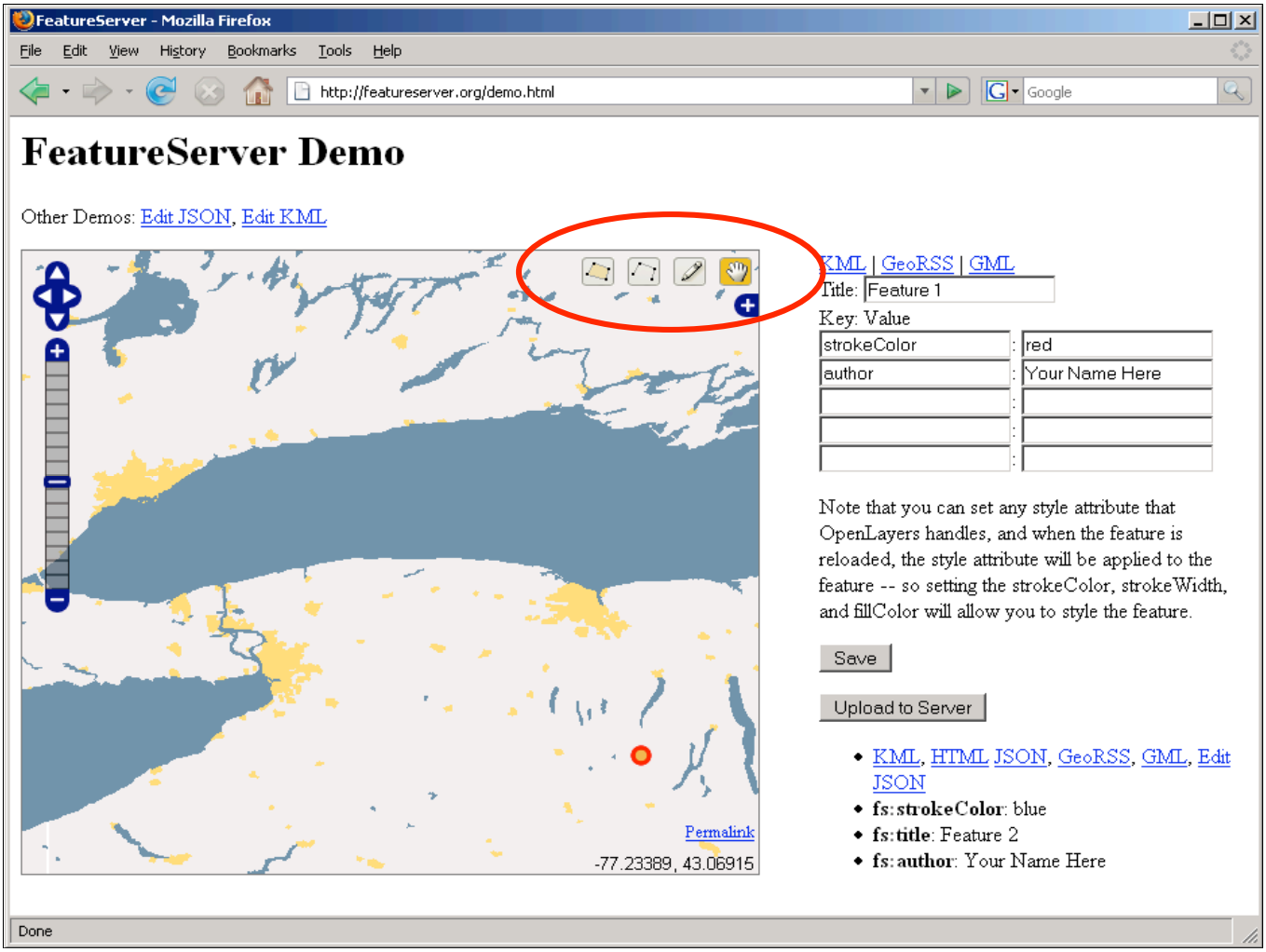
ALGARVE GOLD

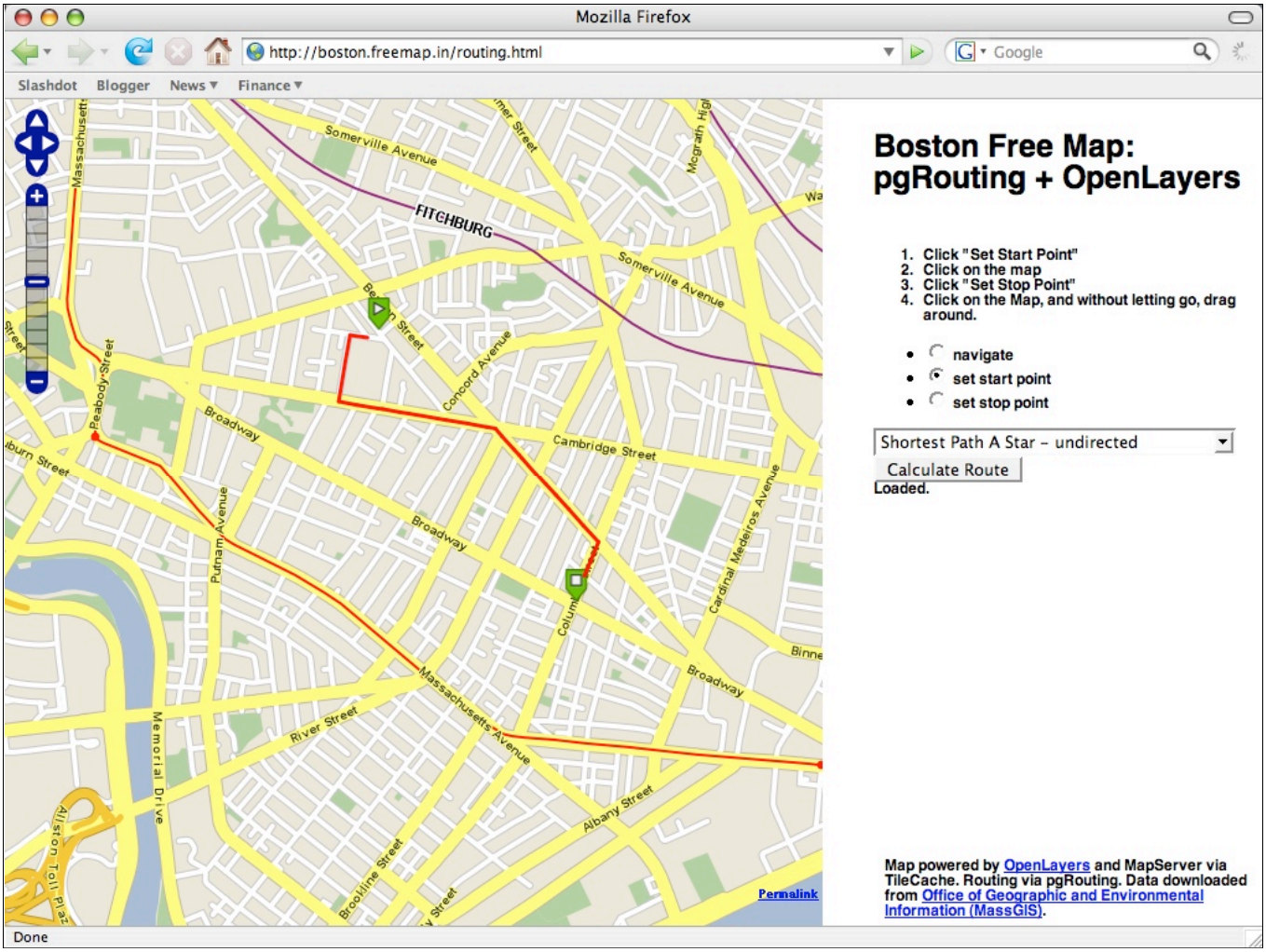
HTML
php
Javascript
AJAX
Tribe


OpenLayers
TileCache
Mapserver
Geoserver
Mapguide
uDig
QGIS
gvSIG
JUMP
PostGIS

- Tile based, continuous pan, discrete zoom levels (ala Google Maps)
- Pure Javascript, no server-side
- Component, very re-usable
  - Fusion for Mapguide
  - CartoWeb
- Multiple tile sources
  - MS Virtual Earth
  - Worldwind
  - Yahoo Maps
  - Google Maps
  - WMS
  - TMS


Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://boston.freemap.in/
Boston Free Map
Search:
Go!
Map powered by OpenLayers and MapServer via TileCache. Data downloaded from Office of Geographic and Environmental Information (MassGIS).
Link to this Page
About
Done
Land Boulevard
Charles Street
Merrimac Street
Commercial Street
Main Street
Charles Street Circle
Derne Street
State Street
John F. Fitzgerald Surface Road
Milk Street
Tremont Street
Beacon Street
Federal Street
Charles Street South
Clarendon Street
Exeter Street
Dartmouth Street
Essex Street
Kneeland Street
Stuart Street
Herald Street


FeatureServer - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://featureserver.org/demo.html
Google
FeatureServer Demo
Other Demos: Edit JSON, Edit KML
Permalink
-77.23389, 43.06915
KML | GeoRSS | GML
Title: Feature 1
Key: Value
strokeColor : red
author : Your Name Here
Note that you can set any style attribute that OpenLayers handles, and when the feature is reloaded, the style attribute will be applied to the feature -- so setting the strokeColor, strokeWidth, and fillColor will allow you to style the feature.
Save
Upload to Server
KML, HTML JSON, GeoRSS, GML, Edit JSON
fs:strokeColor: blue
fs:title: Feature 2
fs:author: Your Name Here
Done


Mozilla Firefox
http://boston.freemap.in/routing.html
Google
Slashdot
Blogger
News
Finance
Somerville Avenue
FITCHBURG
Somerville Avenue
Concord Avenue
Cambridge Street
Broadway
Broadway
Broadway
Massachusetts Avenue
River Street
Albany Street
Memorial Drive
Putnam Avenue
Cardinal Medeiros Avenue
Permalink
Boston Free Map:
pgRouting + OpenLayers
1. Click "Set Start Point"
2. Click on the map
3. Click "Set Stop Point"
4. Click on the Map, and without letting go, drag around.
navigate
set start point
set stop point
Shortest Path A Star – undirected
Calculate Route
Loaded.
Map powered by OpenLayers and MapServer via TileCache. Routing via pgRouting. Data downloaded from Office of Geographic and Environmental Information (MassGIS).
Done

fin

NOiV

Nederland Open in Verbinding

Open Source Geo-ICT “Kennis van de bron”

Delft, 17 juni 2008

Fabrice Mous <Fabrice.Mous@ictu.nl>

Voorstellen

Programma NOiV (onderdeel ICTU)
'Nederland Open in Verbinding'

Fabrice Mous
Adviseur Overheid

... vanuit NOiV verantwoordelijk voor actielijn ODF

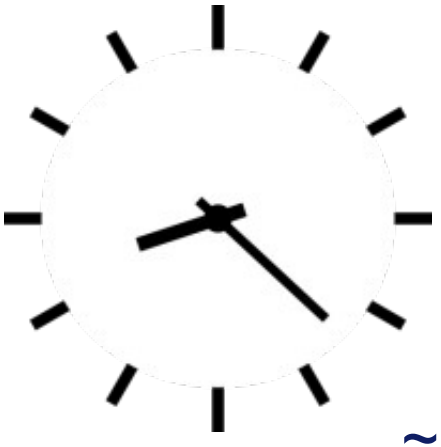
NOiV

Open Clip Art Library

Open Clip Art Library @ http://www.openclipart.org/
Creative Commons @ http://creativecommons.org/

Programma

- Interoperabiliteit, open source software en open standaarden
- Politieke context
- Actieplan 'Nederland Open in Verbinding”
- Stand van zaken
- Vragen



~ 30 mins

NOiV

Interoperabiliteit, open source software en open standaarden

NOiV

NOiV

NOiV

NOiV

Interoperabiliteit (1)

*"Interoperability means the **ability** of information and communication technology (ICT) systems and of the business processes they support to **exchange data** and to enable the **sharing** of **information** and **knowledge**".*

European Interoperability Framework, IDABC 2004

European Communities. (2004). European Interoperability Framework http://europa.eu.int/idabc/en/document/3761

Interoperabiliteit (2)

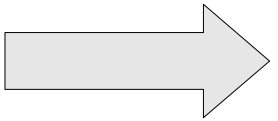
*“Het Kabinet spreekt van interoperabiliteit als het vermogen van **(informatie)systemen** om op elektronische wijze **gegevens** en **informatie** te kunnen **uitwisselen** binnen en tussen organisaties.“*

Actieplan 'Nederland Open in Verbinding', 2007

NOiV

Broncode

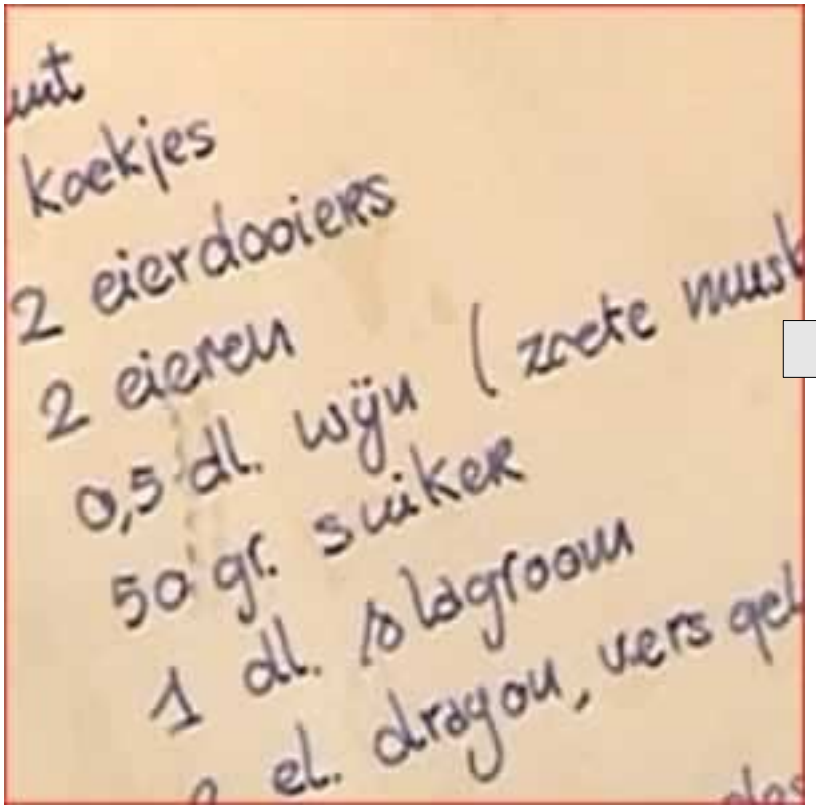
```
int main(int, char*)
{
   int i, x;
   i = 0;
   x = 100;
   while (i < x) {
     printf("Hello World");
   }

   return 0;
}
```



Executeerbare Code

```
…  00 35 65 B8 1F 38
8C FF E3 B8 E4 03 B3
8C 0F 48 1C 00 00 00
33 BD 93 A3 08 0F 58
4B 00 11 00 B8 E7 C1
B8 3E 81 B3 8F 27 04
B2 8F BE 12 33 FF B3
BF 47 F2 75 05 15 8E
DC 41 12 00 AC 4C 0C
B3 7C 47 02 B3 3C E7
97 CF E5 02 47 03 92
64 C1 B8 EE 81 B2 8F
03 6C 75 05 65 8E D9
```

NOiV


uit
koekjes
2 eierdooiers
2 eieren
0,5 dl. wijn (zoete muskaat
50 gr. suiker
1 dl. slagroom
el. dragon, vers gehakt

Open source software

- Geen restricties op gebruik
- Vrije vermenigvuldiging en verspreiding
- Vrije aanpassing
- Vrije en eenvoudige toegang tot broncode

Välimäki, M. (2005). The rise of open source licensing. http://pub.turre.com/openbook_valimaki.pdf

Voorbeelden open source software

- Linux
- Apache
- MySQL
- SendMail
- OpenOffice.org
- Firefox

Open standaarden

- Standaard is gepubliceerd
- Eigendom van een non profit organisatie
- Beheer op basis van een open beslissingsprocedure
- Eventuele IE-rechten zijn vrij gegeven
- Vrij hergebruik

European Communities. (2004). European Interoperability Framework http://europa.eu.int/idabc/en/document/3761

NOiV

"The name is not the thing named."
Gottlob Frege (1848-1925)

YES...WE ARE
OPEN

Definitie Europese Commissie

- ✔ standaard is gepubliceerd
- ✔ belegd bij een non-profit organisatie
- ✔ vastgesteld op basis van een open beslissingsprocedure
- ✔ intellectueel eigendom royalty-free beschikbaar gesteld
- ✔ vrij hergebruik

European Communities. (2004). European Interoperability Framework
http://europa.eu.int/idabc/en/document/3761

Definities, definities ... definities

Interoperabiliteit
- European Interoperability Framework
  http://europa.eu.int/idabc/en/document/3761

Open soure software
- Open Source Definition
  http://www.opensource.org/docs/definition.php
- Website NOiV
  http://www.noiv.nl/wat_is_open_source_software

Open standaarden
- European Interoperability Framework
  http://europa.eu.int/idabc/en/document/3761
- website NOiV
  http://www.noiv.nl/wat_zijn_open_standaarden

Ministerie van Economische Zaken
Nederland Open in Verbinding
Een actieplan voor het gebruik van Open Standaarden en Open Source Software bij de (semi-) publieke sector

NOiV

Politieke context

Open source software @ Tweede Kamer

- 1999 – Ursie Lambrechts (D66)
- kamervragen open source software
- Europees perspectief > concurrentiepositie

Onderzoek

- zomer 2002
- kabinet Kok II
- onderzoek welke wijze bevordering OS en OSS
- resultaat: programma OSOSS (2003)

NOiV

Motie Vendrik

- november 2002
- kabinet Balkenende I
- unaniem aangenomen door Tweede Kamer
- Nederland koploper!

MOTIE VAN HET LID VENDRIK C.S.

Voorgesteld 20 november 2002

De Kamer,

gehoord de beraadslaging,constaterende, dat software een cruciale rol speelt in de kennissamenleving; voorts constaterende, dat de aanbodzijde van de softwaremarkt op dit moment sterk geconcentreerd is en het veranderen van leverancier vaak hoge overstapkosten met zich brengt; van mening, dat dit de mededinging beperkt en de samenleving niet optimaal profiteert van de mogelijkheden die software biedt; verzoekt de regering zich maximaal in te zetten om hier verbetering in aan te brengen;

verzoekt voorts de regering ervoor te zorgen dat in 2006 alle door de publieke sector gebruikte software aan open standaarden voldoet; verzoekt voorts de regering actief de verspreiding en ontwikkeling van software met een open broncode (open source software) in de publieke sector te stimuleren en hiervoor concrete en ambitieuze doelstellingen te formuleren, en gaat over tot de orde van de dag,

Vendrik

Stuger, Netelenbos, Gerkens, Giskes, Jense, Van Dijke, Hessels

MOTIE VAN HET LID VENDRIK C.S.

Voorgesteld 20 november 2002

De Kamer,

***dat in 2006 alle door de publieke sector gebruikte software aan open standaarden voldoet**;*

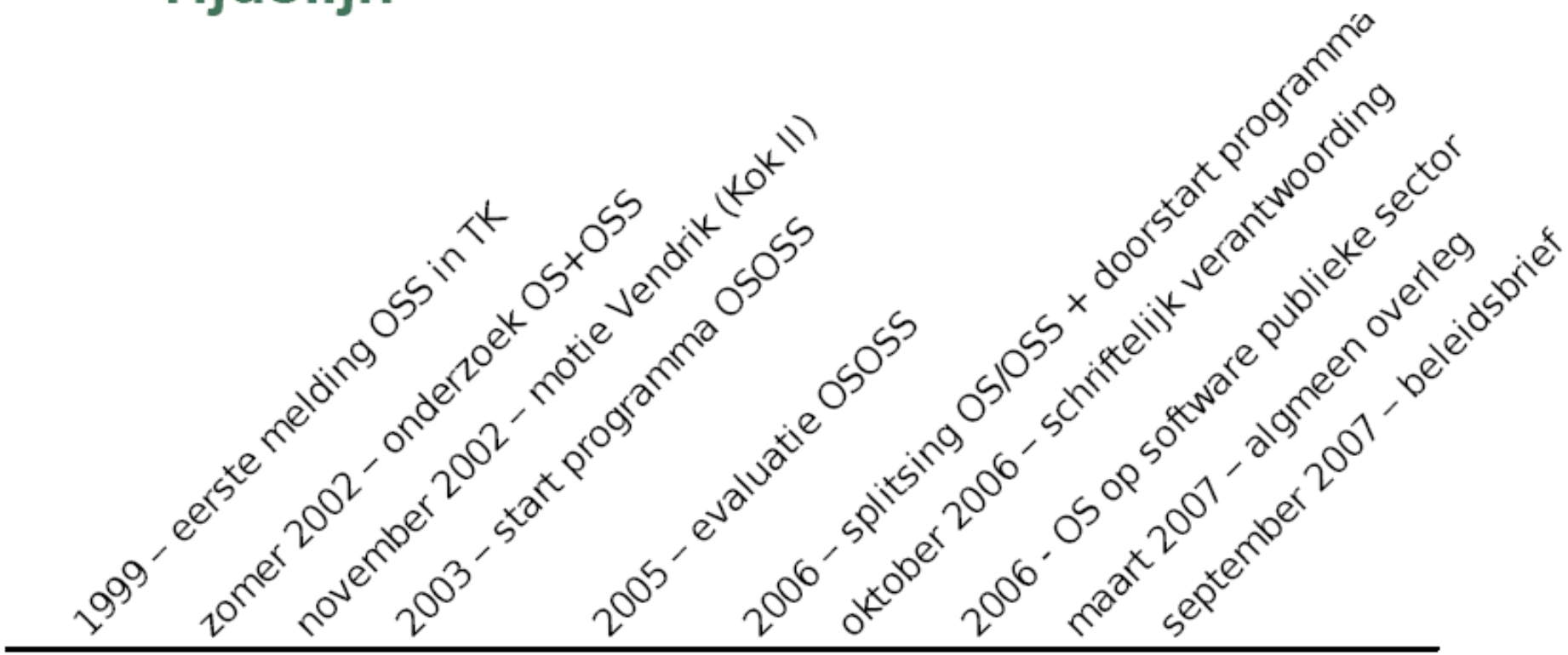
Vendrik
Stuger, Netelenbos, Gerkens, Giskes, Jense, Van Dijke, Hessels

Verantwoording beleid

oktober 2006 schiftelijke beantwoording minister EZ

maart 2007 algemeen overleg TK staatssecretaris EZ

Tijdslijn


1999 – eerste melding OSS in TK
zomer 2002 – onderzoek OS+OSS
november 2002 – motie Vendrik (Kok II)
2003 – start programma OSOSS
2005 – evaluatie OSOSS
2006 – splitsing OS/OSS + doorstart programma
oktober 2006 – schriftelijk verantwoording
2006 - OS op software publieke sector
maart 2007 – algmeen overleg
september 2007 – beleidsbrief

NOiV

Moeizame beweging naar open alternatieven

- “Legacy"-problematiek
- "Vendor lock-in"
- Terughoudendheid organisatie
- Beperkte beschikbaarheid open standaarden

Niveau's

- Operationeel
- Tactisch
- Politiek

NOiV

"Cost gaat voor de baet uyt"

Actieplan “Nederland Open in Verbinding”

NOiV

Verkrijgbaar @

http://www.ososs.nl/noiv

NOiV

Doelstellingen actieplan

vergroten onderlinge **interoperabiliteit** dienstverlening eOverheid dmv versnelling gebruik open standaarden;

Verminderen afhankelijkheid ICT-leveranciers dmv versnelling gebruik open standaarden en open source software;

Bevorderen gelijk speelveld op softwaremarkt en bevorderen innovatie en economie dmv stimuleren open source software en bij gelijke geschiktheid prefereren.

NOiV

Doelstellingen actieplan

interoperabiliteit

Verminderen afhankelijkheid ICT-leveranciers

Bevorderen gelijk speelveld

Beleidsaccenten

➔ **toepassing open standaarden**
'comply-or-explain and commit'

➔ **implementatiestrategieën aanbesteding, inkoop en gebruik**

➔ **invoering Open Document Format**

NOiV

Dus ...

... open source software als voorkeur

... open standaarden als norm

NOiV

Van plan naar uitvoering

Open standaarden
actielijn 1-6

Open source software
actielijn 7-9

Flankerende acties
actielijn 10-17

Open standaarden (AL 1-6)

(1) Basislijst open standaarden
(2) Invoering principe *Comply or Explain*
(3) Interoperabiliteitsraamwerk
(4) Programmabureau
(5) Handhaving obv *High Trust*
(6) Invoering ODF

Open source software (AL 7-9)

(7) Implementatiestrategie Rijk
(8) Implementatiestrategie medeoverheden
(9) Stimuleren voorlopers

Stand van zaken: open standaarden

- Basislijst open standaarden
  - 1e versie gereed
  - momenteel testperiode

- Interoperabiliteitsraamwerk opgenomen in NORA 3.0 (juni 2008)

- Comply or Explain
  - publicatie, notificatie Europa
  - RijkInstructie ligt tot 9 juli bij EC, daarna open standaarden verplicht

Stand van zaken: ODF-invoering

- ODF-invoering bij het Rijk
- ODF-invoering Decentrale en medeoverheden
- Participatie marktpartijen
- Handboek ODF gereed

ISO-goedkeuring OOXML heeft hier geen invloed op

Stand van zaken: implementatiestrategie open source software

- Vier organisaties gereed
- Overige ministeries aan de slag of in planfase
- Samenwerking & individueel

Evolutie van het onderwerp

- *ontdekken, agenderen en proberen (1999 – 2005)*

- *kennisdelen, expertise en strategie (2006 – 2007)*

- *benutting en governance (2008 - 2011)*

Op weg naar een Open Overheid

“The more extensive a man's knowledge of what has been done, the greater will be his power of knowing what to do."

Benjamin Disraeli (1804 - 1881)

Vragen

?

Meer informatie

Actieplan “Nederland Open in Verbinding”
http://www.noiv.nl/noiv

Programmabureau NOiV
http://www.noiv.nl

Bureau Forum Standaardisatie
www.forumstandaardisatie.nl

NOiV

Nederland Open in Verbinding

Open Source Geo-ICT “Kennis van de bron”

Delft, 17 juni 2008

Fabrice Mous <Fabrice.Mous@ictu.nl>

Intrinsieke Innovatie

- short time to value
- 24/7 support
- Localisatie en vertaling
- OPEN source: toegankelijk, scratch own itch
- Vendor freedom
- e art

Nederland Open in Verbinding

- “Nederland open in verbinding”
- Verminder vendor lock-in
- Bij gelijke geschiktheid ....
- bruggen bouwen

Henk van Cann

Source Comp

Henk van Cann 2value bv 17 juni 2008

OS GEO

Henk van Cann

Op deze dag willen wij mensen in het geodomein op het gebied van Open Source Software bij elkaar brengen ter versterking van de kennis van Open Source GIS-software en het toepassen daarvan: *Is dat nu het belangrijkste om te doen??*

De dag is zowel bedoeld voor ambassadeurs als technici die hun ervaringen willen delen en hun kennis willen vergroten.

En wat willen we deze ambassadeurs dan eigenlijk mee geven??

<hier sprekers voor mij samenvatten op relevante punten>

Inventarisatie in de zaal:
technici 70%
klanten 4 stuks!
ambassadeurs 15%
system integrators 5-7 stuks

Free / Open

free software is useless without data

ensure a high degree of quality in foundation projects

provide support for the use of OSGeo software in education

Henk van Cann

www.osgeo.org

OSGeo Goals

The following more detailed goals support the overall mission:

* To provide resources for foundation projects - eg. infrastructure, funding, legal.
* To promote freely available geodata - free software is useless without data.
* To promote the use of open source software in the geospatial industry (not just foundation software) - eg. PR, training, outreach.
* To encourage the implementation of open standards and standards-based interoperability in foundation projects.
* To ensure a high degree of quality in foundation projects in order to build and preserve the foundation "brand".
* To make foundation and related software more accessible to end users - eg. binary "stack" builds, cross package documentation.
* To provide support for the use of OSGeo software in education via curriculum development, outreach, and support.
* To encourage communication and cooperation between OSGeo communities on different language (eg. Java/C/Python) and operating system (eg. Win32, Unix, MacOS) platforms.
* To support use and contribution to foundation projects from the worldwide community through internationalization of software and community outreach.
* To operate an annual OSGeo Conference, possibly in cooperation with related efforts (eg. EOGEO).
* To award the Sol Katz award for service to the OSGeo community.

Klanten...

But let us step back a bit: why in the world are you here? Anyone of the end-user visitors?

In the end he/she is here for advice and assistance towards a solution, delivered by trustworthy parties.
They might not be that much interested in techniques, servers, website, Open Source, Closed Source, MapServer, Geoserver, Mapguide, Flamingo, Openlayers, even though they might say otherwise. -> But we are!! <next build>

SCHAAR+PEN+BOOR

Top 50 system integrators

We all have an idea of the top 50 system integrators in the Netherlands and the rest of Europe (IBM, Microsoft, Atos, Logica, Getronics, Sogeti,)

please those who are working for one these big companies, raise your hand please!
...perfectly get a birds eye view on Open Source Content Management and what we think is needed to make its applications more professional.

<Public: > How many of them have an Open Source product portfolio? -> <next>
<Public: >FORGET OS & JOOMLA: Service provider - Mainly enduser web CMS - Medium sized/big enduser organisation + decides over it-budgets

Now these 5% visitors that raised their hands, Ladies&gentlemen, is our faith and mission in one, Open Source is not yet on the agenda. We advocates have to teach more and learn more too. Well at least during this <next>

System integrator dilemma

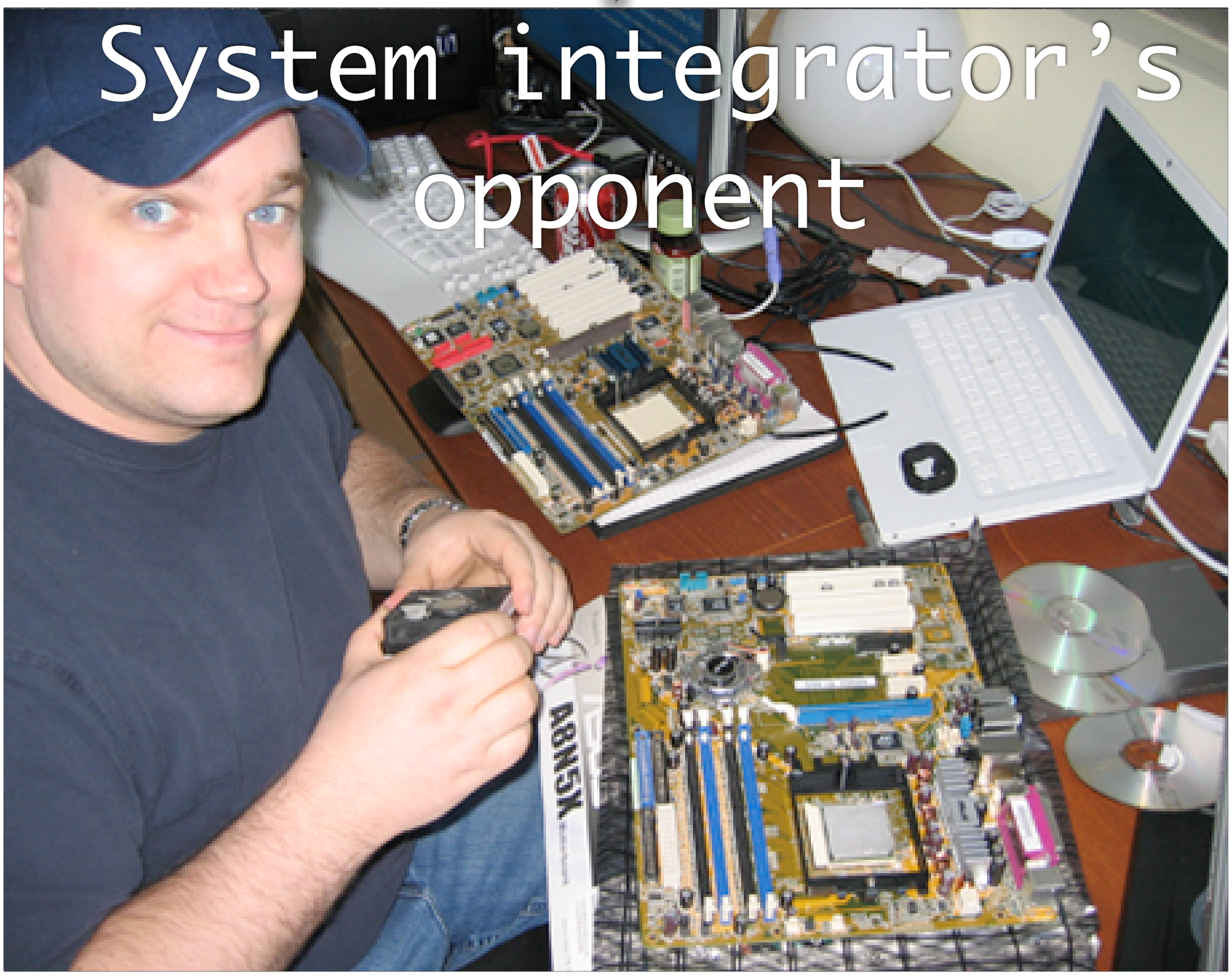
- 1) Willen geen kleine klanten
- 2) Verdienen genoeg met closed source
- 3) Geen interesse om personeel nieuwe truuks te leren

Henk van Cann

Their dilemma: (what is their problem, why aren't they steaming up with Open Source?)
We can see for aspects: 1) for obvious reasons we discussed before
2) shortage of capacity in the IcT market
3) do not underestimate the number history teachers that never had a fundamental IcT education but work as highly skilled and paid SAP consultants, arcGIS, Intergraph,...

But they have an enemy they really ought to fear… (what enemy is that? Who knows?)

System integrator's opponent



It is Hank! He is a nerd, a hacker <....> a communityworker in an Open Source project,
the nightmare of his boss because he skips the work he is paid for and instead:
skypes and msns secretly to all parts of the world that have this same passion: PostGIS and OpenLayers!. He works day and night on his computer for free, for honour for glory, for the good cause, not for cash.
He terrorizes his wife and kids to be able to go to a OSGEO day op een vrije dag omdat z'n baas dat niet zit zitten:
This man is unbeatable, he is a perfectly self trained, highly motivated, adorable, Open Source checkbox-ticker.
Watch him make grown up cry with their 6 figure salary in their lease automobiles in the next 5 to 10 years …

But there is some gap to close between them if I might say.

Wat passeert de revu?

- 1) What verbindt ons (Open/Closed)?
- 2) ‘Open’ met GEO als stralend middelpunt
- 3) plan Heemskerk: wat hebben we eraan?
- 4) HollandOpen GEO track 2007-2008

Their dilemma: (what is their problem, why aren’t they steaming up with Open Source?)

The last two bullets will be quickies: Some people MIGHT WANT to KNOW what to CHOOSE: Flamingo, OpenLayers, ...: I have bad news for them later and a question for them now:
Have you got your selection criteria sorted out?

Huiswerk

- Vraag om Open standaarden
- Bouw bruggen
- Professionaliseer verder

Many developers that have their own business work for various customers in different lines of work. Your marketvalue goes up when you specialize along two axes:
a) Technique
b) line of business, economic sector

Other OS GEO projects
Other OS project
Other platforms
Closed Source competitors, especially those where customers have invested in. If you can’t beat them join them
Network

Build bridges
SOAP, xmlrpc
Database
Closed/Open: LDAP

Remember what did we say about customers: why would they talk to us:
In the end he/she is here for advice and assistance towards a solution, delivered by trustworthy parties.

Proff:
SLA, php/ mysql / training / verkopen

1) Zelf leren selecteren: nu – hier en meteen toepassen tijdens de volgende presentaties
niet alleen open source

2) Om er in te komen noem eens wat frisse vooroordelen over Open Source en haar specialisten.

General Principles of Incubation

Document Status

Version: 1.0
Status: approved
Last Edited: July 2, 2006

Purpose

The purpose of the OSGeo incubation process is to ensure that projects that are officially part of OSGeo:

- have a successfully operating open and collaborative development community
- have clear IP oversight of the code base of the project
- adopt the OSGeo principles and operating principles
- are mentored through the incubation process

Principles of OSGeo Projects (The OSGeo Way)

- Projects should manage themselves, striving for consensus and encouraging participation from all contributors - from beginning users to advanced developers.
- Contributors are the scarce resource and successful projects court and encourage them.
- Projects are encouraged to adopt open standards and collaborate with other OSGeo projects.
- Projects are responsible for reviewing and controlling their code bases to insure the integrity of the open source baselines.

Operating Principles

- Projects should document how they manage themselves.
- Projects should maintain developer and user documentation.
- Projects should maintain a source code management system.
- Projects should maintain an issue tracking system.
- Projects should maintain project mailing lists.
- Projects should actively promote their participation in OSGeo.
- Projects are encouraged to adopt OSGeo look and feel, branding, logos on their project sites.
- Projects are encouraged to participate in OSGeo standardization efforts to present a common interface for OSGeo visitors and members.
- Projects should have automated build and smoke test systems.

FOSS4G 2008
2008 FREE AND OPEN SOURCE SOFTWARE FOR GEOSPATIAL CONFERENCE

OSGeo Projects

Web Mapping
- deegree *
- Mapbender
- MapBuilder
- MapGuide Open Source
- MapServer *
- OpenLayers

Desktop Applications
- GRASS GIS
- OSSIM *
- Quantum GIS
- gvSIG *

Geospatial Libraries
- FDO
- GDAL/OGR
- GEOS *
- GeoTools *

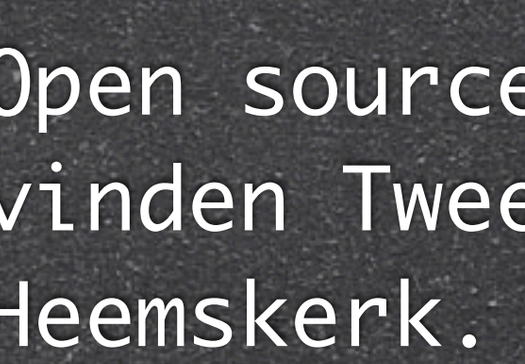
Metadata Catalog
- GeoNetwork

Other Projects
- Public Geospatial Data Education and Curriculum

(* in incubation)

Achterhoede gevecht?

- Open source moet de standaard worden, vinden Tweede Kamer en staatssecretaris Heemskerk. Maar Erik van der Meijden, CEO van Getronics, noemt de discussie over open source een achterhoedegevecht. “De bouwstukjes zijn niet het belangrijkste.



Henk van Cann

20 maart 2008 - Open source moet de standaard worden, vinden Tweede Kamer en staatssecretaris Heemskerk. Maar Erik van der Meijden, CEO van Getronics, noemt de discussie over open source een achterhoedegevecht. “De bouwstukjes zijn niet het belangrijkste.”

Verderop zegt ie:
De Getronics-werkplek kan overigens open source geleverd worden. “Maar dat is maatwerk, en daar betaal je dus meer voor. Met alles wat je extra doet, wordt het duurder.” Door de basisstandaarden gaan de kosten omlaag, zegt Van der Meijden. “Je kunt met standaarden veel verder komen dan met niet-standaarden.”

-> zoals het er staat is het onzin. 1) Open standaarden nodig; niet standaarden, en maatwerk is al helemaal geen reden waarom Open Source duurder zou zijn.

http://digitaalbestuur.nl/nieuws/getronics-kiest-voor-microsoft-als-standaard

Open Ethiek

- Bert Boerland over Nederlandse Getronics-PinkRoccade entry:

  “Als je kijkt op "geschiedenis" zie je dat het IP adres "144.44.150.152" een aantal veranderingen heeft gedaan. De gebruikers achter dit NAT IP adres hebben veel goede veranderingen gedaan. Maar de "verbetering" op de pagina van Getronics ruikt een beetje, nee stinkt...

Henk van Cann

BERT BOERLAND BLOG
http://willy.boerland.com/myblog/hoe_getronics_pinkroccade_haar_eigen_wikipedia_opleukt

Steeds meer bedrijven gebruiken open-sourcesoftware. Misschien wel vaker dan zijzelf denken. De vraag is dan ook of er geen oneigenlijk gebruik van wordt gemaakt. Men denkt dat open-sourcesoftware altijd gratis is, maar dat is een vergissing. Een denkfout die kan leiden tot hoge kosten en gezichtsverlies, zegt **Dirk Jan van der Pol.**

Open source niet gratis

Zonder hulpmiddelen niet te bepalen wat de licentie verplichtingen zijn

Het gebruik van open-sourcesoftware is populair. Steeds meer bedrijven maken er gebruik van of brengen closed software naar de open-sourcewereld. Het gebruik van open source is in een groot aantal gevallen een bewuste keuze, maar het komt ook vaak voor dat dit onbewust gebeurt. Uit een onderzoek uitgevoerd onder 955 lokale overheden uit dertien Europese landen blijkt dat 79 procent van hen gebruikmaakt van enige vorm van open-sourcesoftware (Ghosh & Glott, 2005). In Nederland is dit 55 procent van de 141 ondervraagden.

Ondanks de populariteit en het veelvuldig gebruik van open-sourcesoftware zijn er ook aspecten die een bedreiging vormen. Een belangrijke bedreiging is het juridisch aspect. Computersoftware is een vorm van intellectueel eigendom die onder dezelfde copyrightwet valt die bescherming biedt om alle licenties op elkaar af te stemmen zonder gebruik te maken van hulpmiddelen zoals 'software compliance management tooling'.

Met behulp van deze hulpmiddelen kunnen licentieanalyses worden uitgevoerd. Deze analyses geven inzicht in de gebruikte open-sourcecomponenten, de licentieverplichtingen en eventuele licentieconflicten die ontstaan door het inzetten van (combinaties van) open-source- en commerciële producten. Het inzetten van 'software compliance management tooling' voorkomt misbruik van open-sourceproducten en ondersteunt hiermee het beveiligen van het intellectueel eigendom.

Op dit moment zijn twee producten verkrijgbaar op het gebied van software-compliancemanagement. Het product protexIP van Black Duck Software is momenteel de beste keuze. De functionaliteit

2 VALUE OPEN SOURCE PROFESSIONALS

Black Duck So
is opgericht in
Het bedrijf is
aantal leiders
Intel, SAP en
producten en
software-com
vlaggenschip
texIP. Deze to
het beheersha
plichtingen in
open-sourceco
vroegtijdig op
wikkelproces,
verlaagd.
De tool identi
bijbehorende
proprietary en
geeft hierbij a
en restricties
licenties en w
door gecombi
software. Wan
wordt geconst
een alternatie
functionaliteit
de gewenste li
ProtexIP werk
naamde codep
meertaalonafh
vergelijkbaar
code heeft een
Codeprints wo
hele bestande
(kleine stukje
het mogelijk o
code die bijvoo
zijn gekopieer
boek met code
bepaalde licen

— FOSSOL

Gratis

Het open-sourc
is een open-so
ontstaan is als
Packard (HP).
ondersteuning
nanceproces.
zijn om snel e
van de licentie
product. Hierb
van de licentie
van de open-so
maar van een t
naar licenties k
begin van het

Gezamenlijke uitdaging

Henk van Cann

Imago probleempje?...

dit is ons emotionele leven
dit is hoe we eruit zien
en dit is wat we tijdens vakantie doen

- OSS CMS-es, CRM, ...
- Business / Project Management

We do IT projects using Open Source Software. 2value TALKS TO the Business, we DO the Project Management.
We make a BALANCED team of specialists to fulfill the job and the service and maintenance afterwards.
Our parole: open-minded, stronger together.

2value: generate added value genereren
- solutions for business problems
- with open source frameworks
- by open source professionals

Our current situation in a nutshell

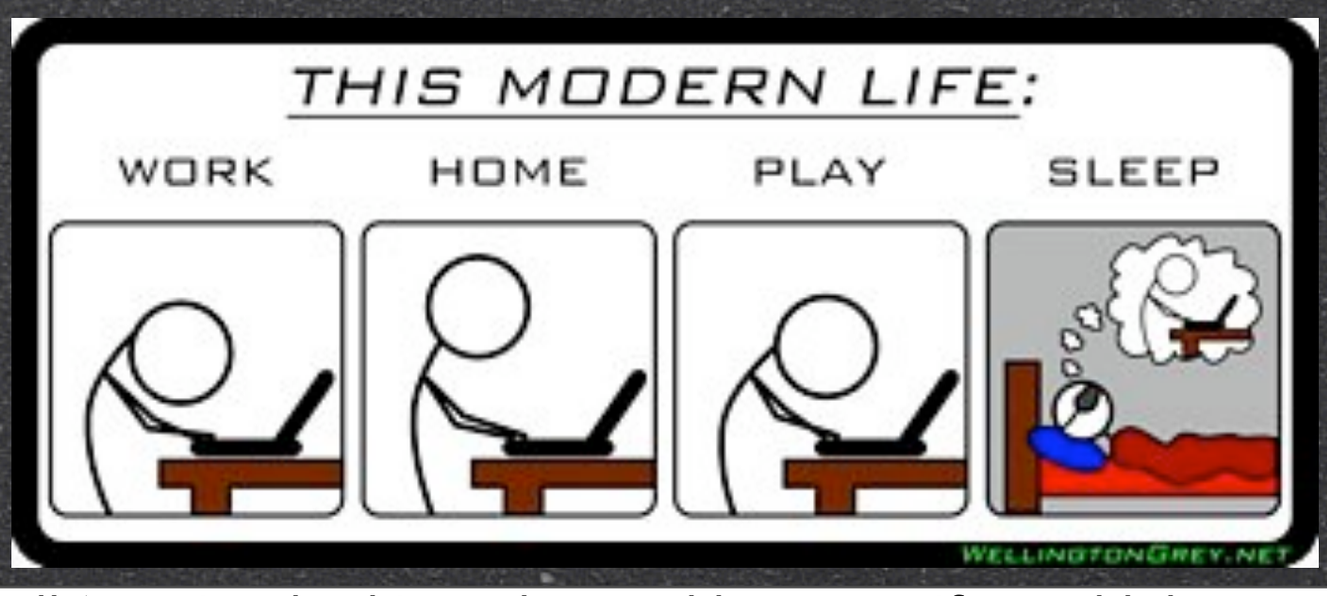
Smaken ‘personeel’

Consultants
Designers
Template bakkers
Vinkjes zetter
Code plakkers
SQL hakkers
Hosters

Beware of the checkbox-tickers: they are going to conquer the world.
I forgot to list the Content heros, they are working their way through Mickeysoft and alike makeup that of course won’t stick in the right manner and won’t validate.

2value community work

- Stichting POST: Joomladagen
- Regionale meetings: deel OSS kennis
- Holland Open 2008



This slide lists the community work we (and me personally) are involved in and .... and how my wife would draw my life.

Intrinsieke Innovatie

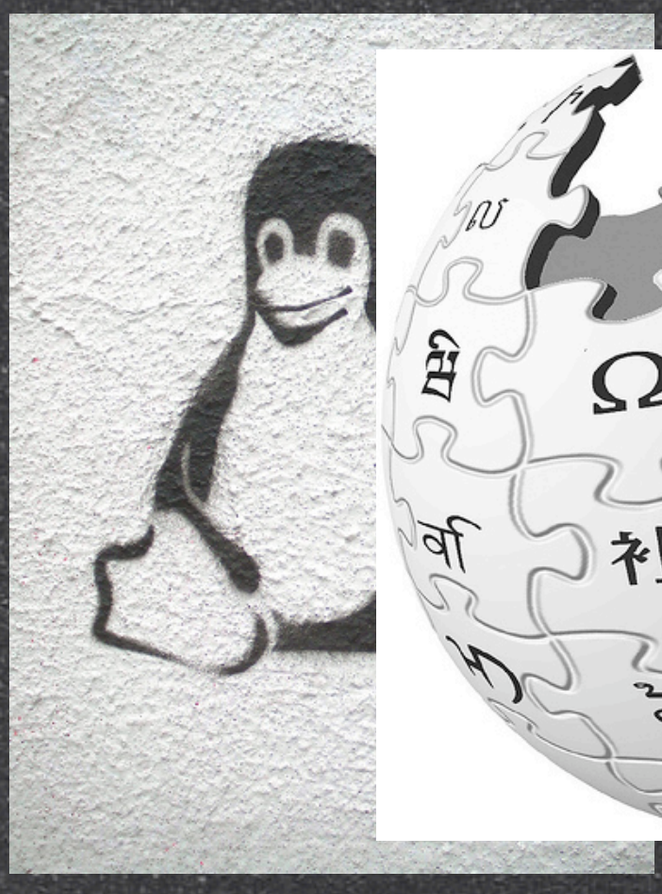
- short time to value
- 24/7 support
- Localisatie en vertaling
- OPEN source: toegankelijk, scratch own itch
- Vendor freedom
- State of the art

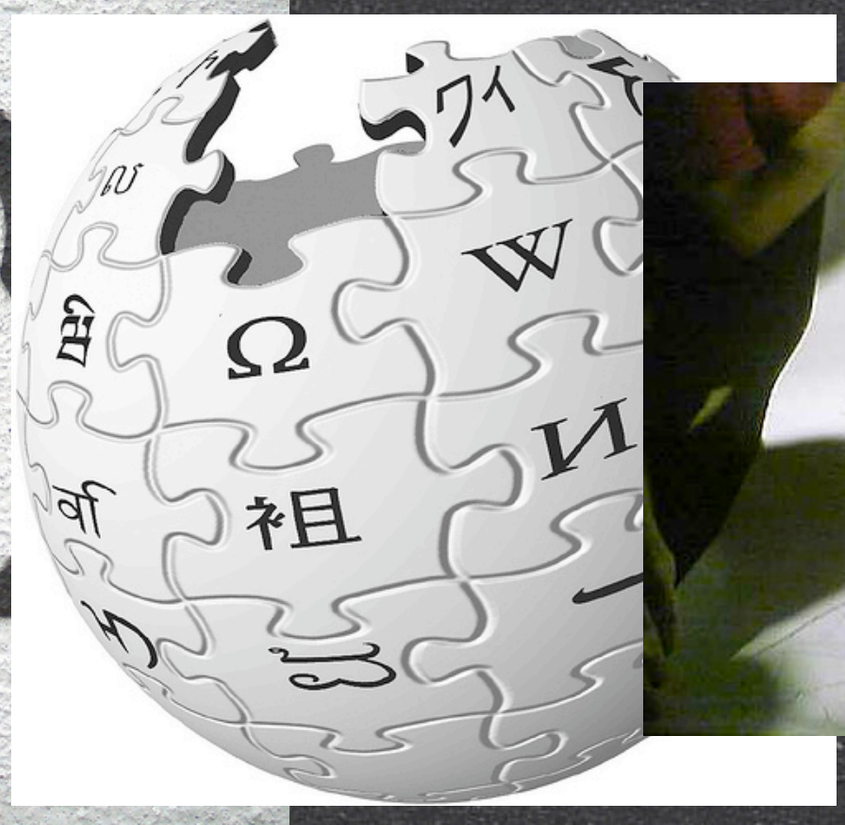
Intrinsic Innovation: locked up inside, these advantages / features were there from the beginning, but yet there are still not very well known.
To customers and services suppliers: All these features are available at no cost. Right away 6 advantages closed source environments for customers.
short t2v: download, install, customize, prototype, direct learning organization, whereas with closed source: trials, investing in what?, development

24/7: FORUM: somewhere in the world somebody is waiting, eager to give the best answer
When a release is near local translation teams are up & running to translate the language files. A day after the final release you will have the product available in many languages

“Open” landschap

- Open Source Software (vb.: Linux)
- Open Content (vb.: Wikipedia)
- Open Data (vb.: Open streetmap)
- Open Standards (vb.: OGC, ODF, ...)





Henk van Cann

“Open” landschap

Koepel organisaties

OSOSS/NOIV

Holland Open

Stg POST

t-dose

OSGEO

etc.

- Community
- Kleine bedrijven
- Commercieele dienstverleners
- Eindgebruikers organisaties

Henk van Cann

Projects of course -> no community without projects

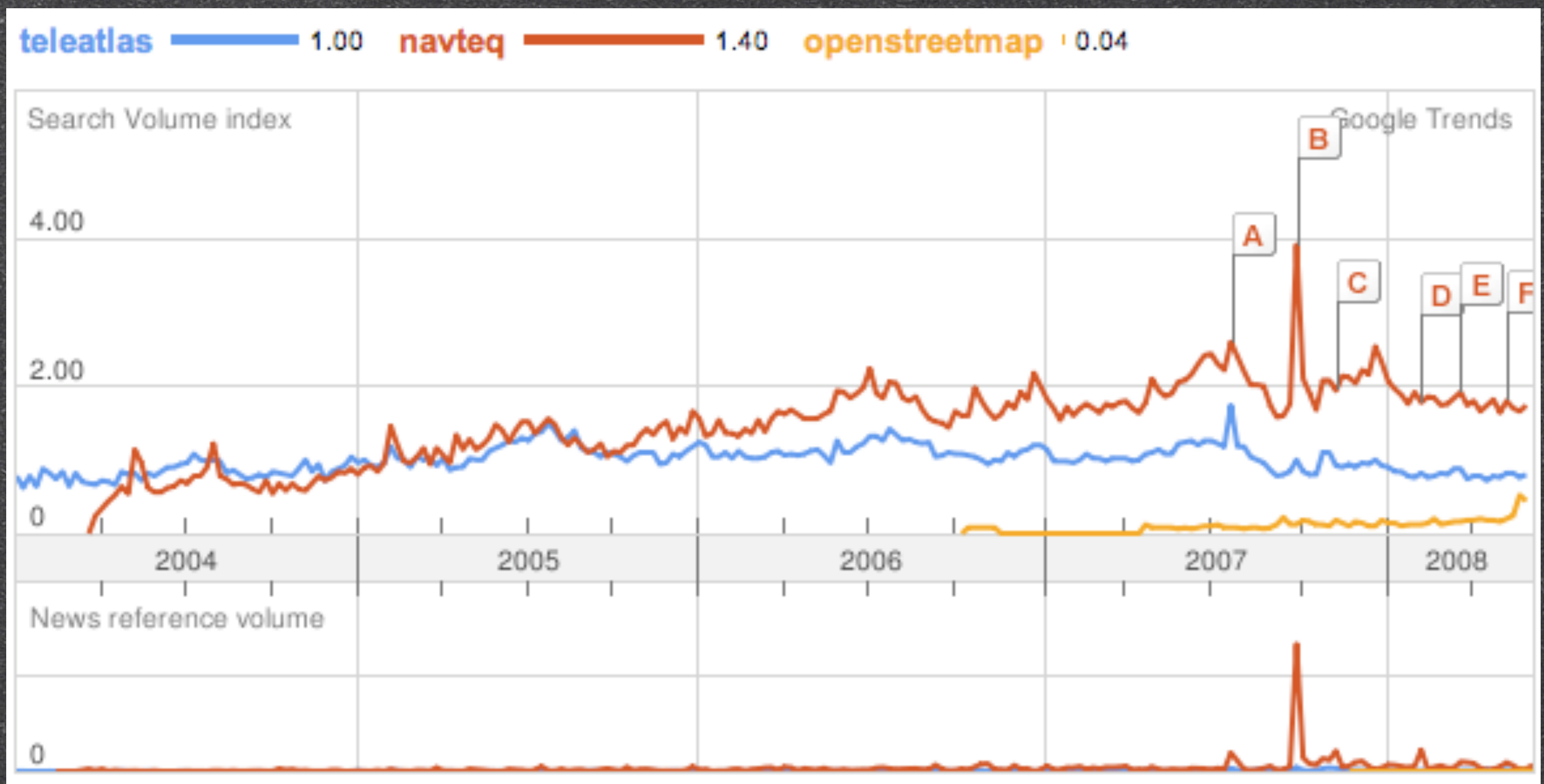
attic artists

Umbrellas are Open minded too and organise strength in one way or another to promote and roll out Open Source, Standards & Content and to take a stand for the good cause.

Open Source Geo

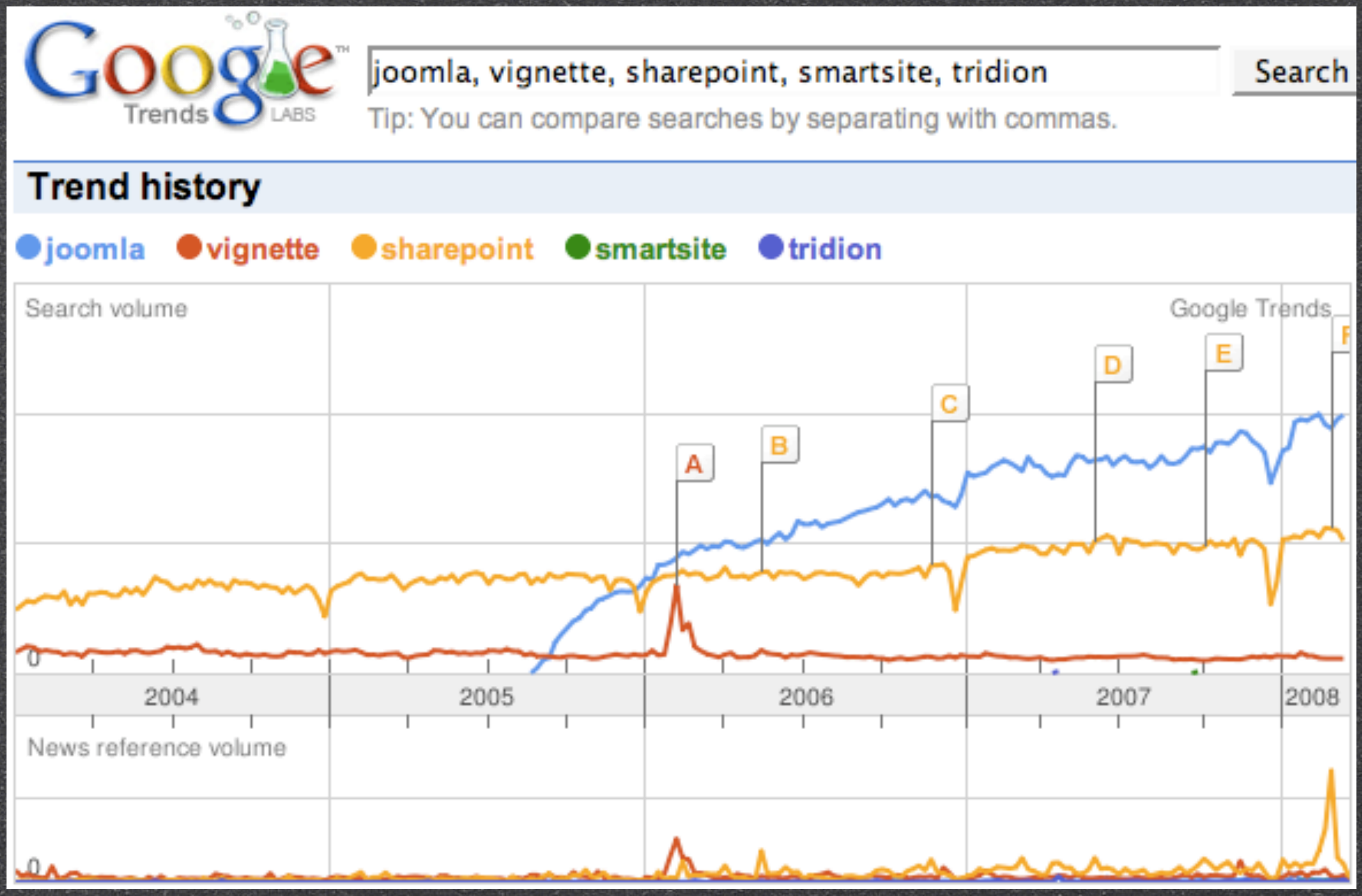
Hoe vaak een woord “gezocht” wordt over tijd.

Open Source Geo



Henk van Cann

Hoe vaak een woord “gezocht” wordt over tijd.



Henk van Cann

sept 17, 2007: Open in Connection charter -> no sanctions yet ...
Number of posts: 1243645 Posts per day: 1304.48
Number of topics: 275229 Topics per day: 288.69
Avg New Users per day: 188.02

Nederland Open in Verbinding

- “Nederland open in verbinding”
- Verminder vendor lock-in
- Bij gelijke geschiktheid ....
- bruggen bouwen / spoorrails uniform

Henk van Cann

Bruggen bouwen: between building blocks and interoperablility of government

now some people write requests for proposals in such a way that Open could never fit the needs or be competent and there is no sanction. But anyway: it is a good start in the Netherlands!

Heeft het plan ook maar een beetje succes....: geen capaciteit meer.

A. Handhaven van beleid: mooi gezegd.
    1. Geld is een groot probleem
    2. Verder zijn bepaalde gegevens wettelijk niet vrij of openbaar
    3. Wil je handhaven: eenzijdige berichtgeving en piraterij tegen gaan: Laat advertorials schrijven, reacties op artikelen,
B. Uitvoerbaarheid:
    1. Daar moeten we flink aan werken: stappen terug zijn voor eindgebruikers taboe! Goed werk: pilots, bruggen bouwen, niet frontend dan backend
    2. Goed werk: Nieuw wetsvoorstel dat overheden tegen verstrekkingskosten mogen vrij geven

Welke vragen kun je ter controle stellen. Uit het publiek kwamen de betere vragen:

Heeft u toestemming van uw klant om de code/data vrij te geven?

Fabrice Mous stelt voor www.noiv.nl/verwerving te bekijken.

Geodata en de weg naar Open

BGI/Grontmij, Gijs Boekelo:

- Wallage-Postma belangrijker dan NOIV
- Open standaarden hebben in 2007 goede vlucht genomen
- Vb. GBKN bijhouding enorme kapitaal vernietiging. Foto’s nodig.
- Vastgoed zit gevangen in wetgeving

Henk van Cann

(drog)redenen?!

- Variatie in vraagstelling:
  winter-zomer, resolutie, etc
- Tijdigheid van de gegevens
- “Ja, we houden met de dogeverkoop prijs onder deels op ...”
- “Dit is marktverstoring!!”

Waarom vliegen we niet landelijk, betalen 1 keer, kopen auteursrecht af en geven vrij onder “Creative” Commons?!

Henk van Cann

Geodata en de weg naar Open

TU Delft, Frederika Welle Donker:

- Geld is het grootste probleem
- BZK voorstel: nu eenmalig vliegen en alle lagere overheden kunnen gebruiken
- Nieuw wetsvoorstel om overheidsdata tegen verstrekkingskosten vrij te geven
- Aanbieders, verander je denken van product naar service

Henk van Cann

Closed koppigheid?

Henk van Cann

Personally I am convinced of that:
Intrinsic Innovative
If you use Open Source your Available budget is well used for implementation and for licenses
Large numbers of (home) users & developers
Anyway: customers want the best of both worlds...