

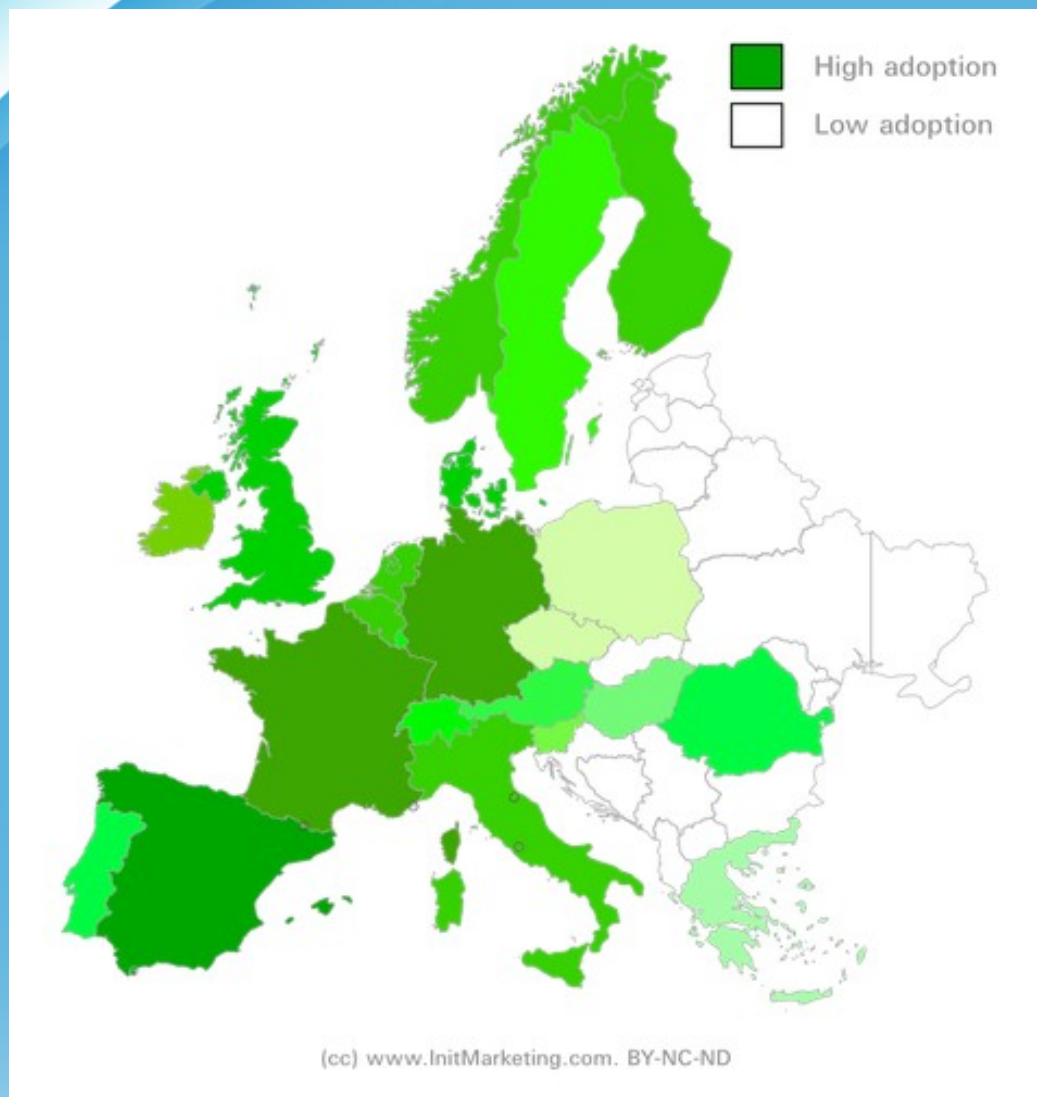


# State of FOSS4G in Hungary

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**Budapest University of Technology and Economics**  
**Department of Geodesy and Surveying**  
**[siki@agt.bme.hu](mailto:siki@agt.bme.hu)**



# FOSS Adoption in Europe



Source: <http://www.openlogic.com/wazi/bid/188004/>



# FOSS Adoption in Europe



Source: <http://www.openlog>

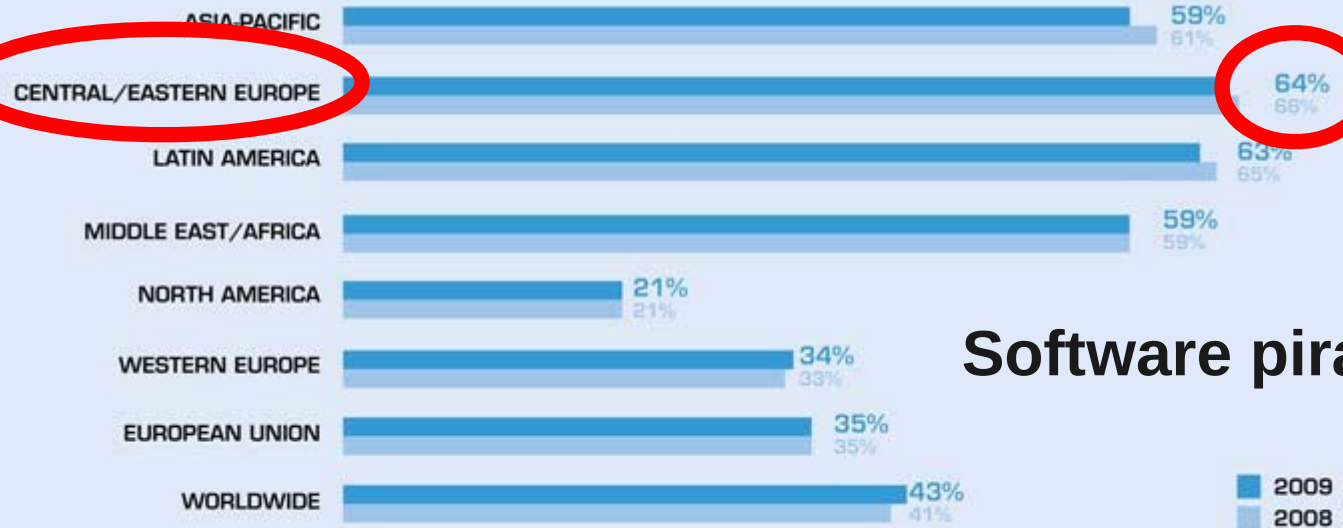
Source: <http://www.cisjournal.org/journalofcomputing/archive/vol3no11/vol3no11>

Debrecen, 31<sup>st</sup> May 2014

GIS Conference



# FOSS Adoption in Europe



Software piracy

SOURCE: SEVENTH ANNUAL BSA/IDC GLOBAL SOFTWARE PIRACY STUDY, MAY 2010



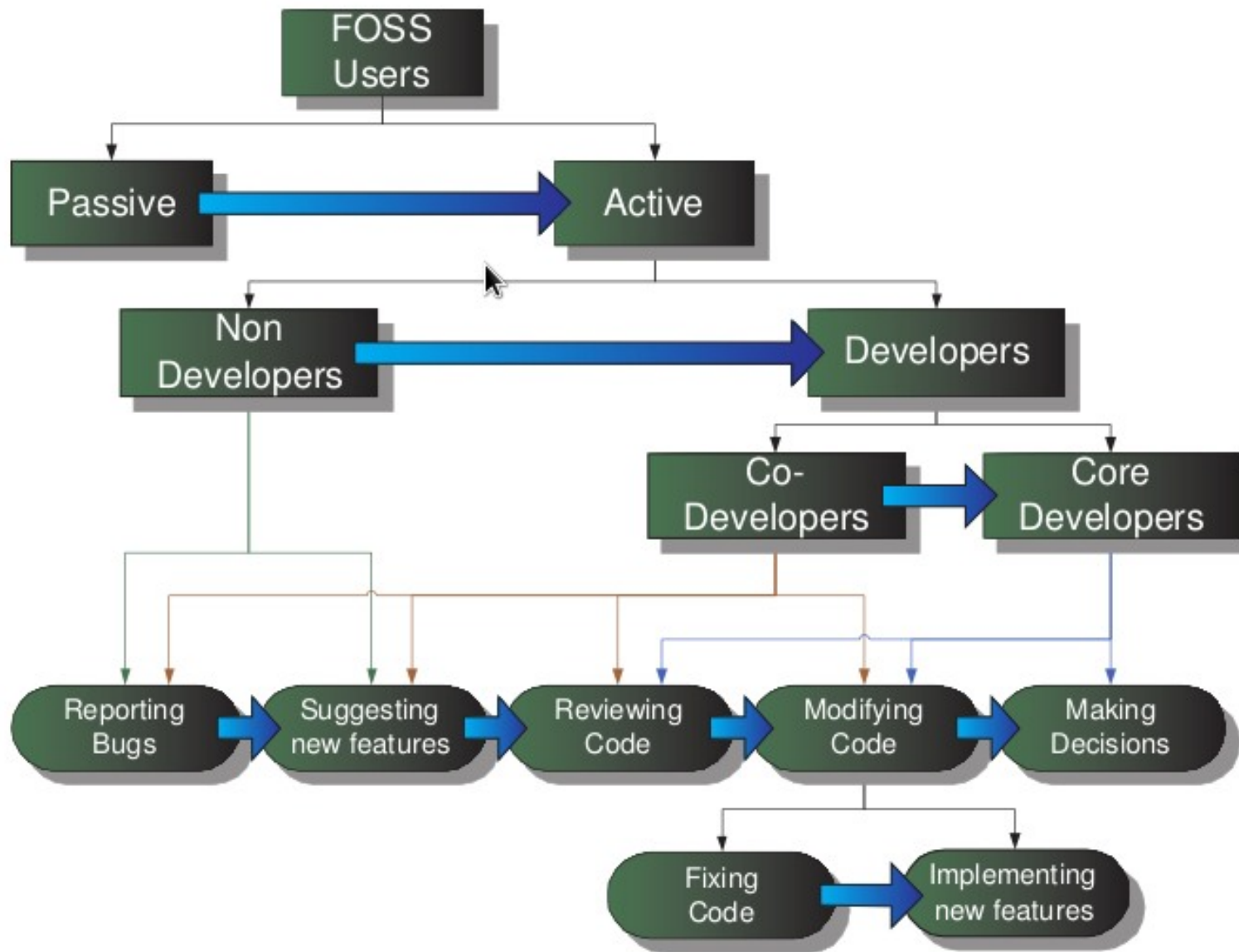
Source: <http://www.openlog>

Source: <http://www.cisjournal.org/journalofcomputing/archive/vol3no11/vol3no11>

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# FOSS user evolution



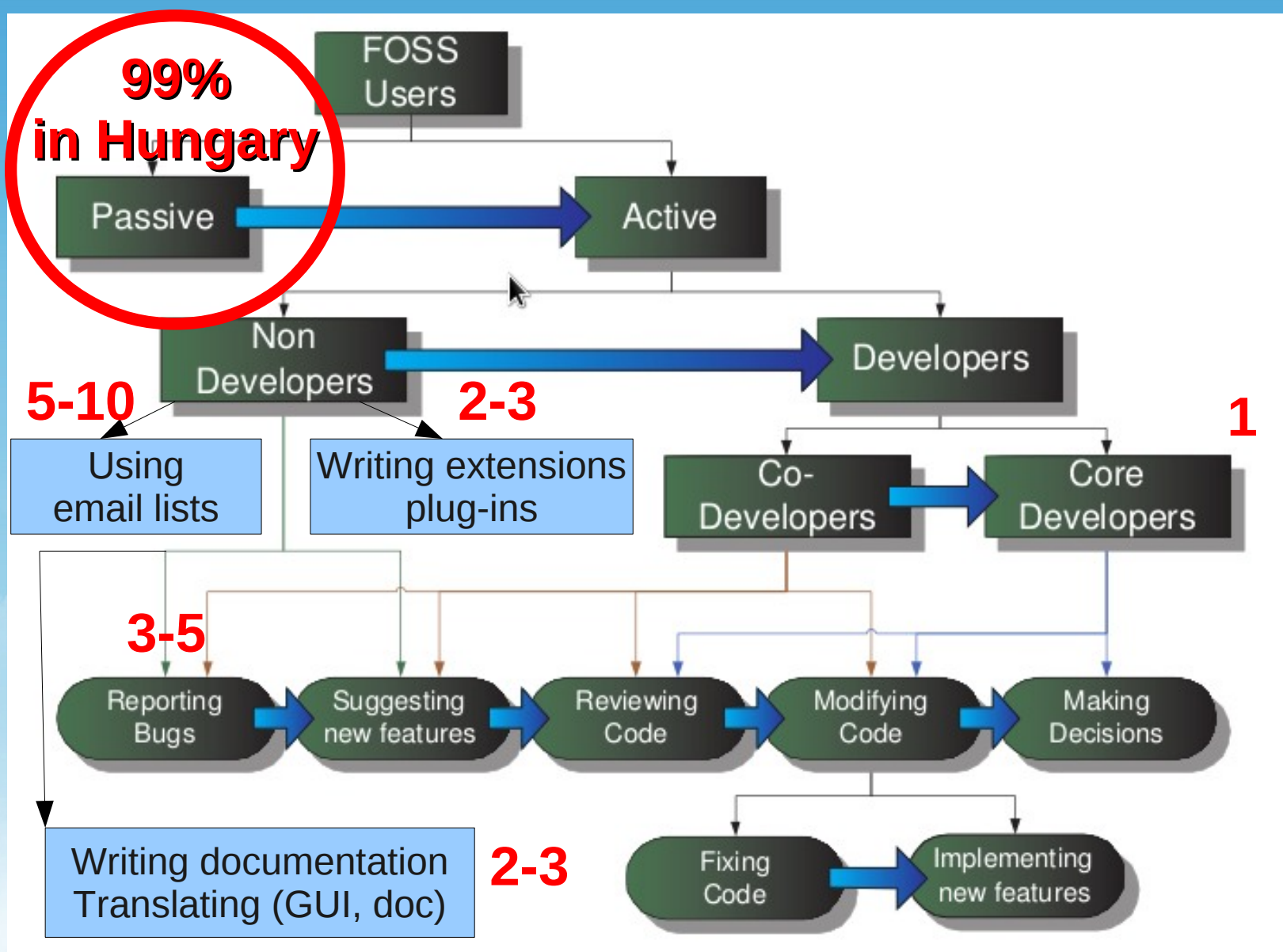
Source: [http://www.sita.co.za/FOSS/Gov\\_Canada-OSS\\_Guide-Dec04.pdf](http://www.sita.co.za/FOSS/Gov_Canada-OSS_Guide-Dec04.pdf)

Debrecen, 31<sup>st</sup> May 2014



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# FOSS user evolution



Source: [http://www.sita.co.za/FOSS/Gov\\_Canada-OSS\\_Guide-Dec04.pdf](http://www.sita.co.za/FOSS/Gov_Canada-OSS_Guide-Dec04.pdf)

Debrecen, 31<sup>st</sup> May 2014



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# Why to use FOSS4G?

- The aim is to solve a problem, no other purpose in the background (innovative)
- Control is (can be) in your hand, no black boxes
- Fast error correction, faster development cycle
- No need to solve the same problem twice, reuse code from other projects (GDAL, PROJ.4, GEOS, etc.)
- Expandable without limits and compromise
- Easy localization (GUI, docs translation)
- Being part of a community (barter business)



# **Hungarian FOSS4G Efforts**

- **Government**
- **Civil Organizations**
- **Conferences**
- **Universities, Research Institutions, Enterprises**
- **FOSS4G applications, developments**





# Another Hungarian FOSS Effort



Steve Ballmer egg attacked in 2008  
at Budapest Corvinus University

We are not  
proud of it  
:-)



# State Organization

- Free Software Competence Center at Ministry of Public Administration and Justice
- National Free Software Strategy  
**GIS is not in the focus :(**
- GIS Framework contract 2013 -  
2 500 000 euro for FOSS4G server and client  
10 000 000 euro for proprietary GIS SW  
in public procurement
- More declarations, less concrete results







# Civil Organizations

## General FOSS

- BSD Foundation ([www.bsd.hu](http://www.bsd.hu))
- Free Software Network (fsn.hu) last activity 2007
- Free Software Foundation (fsf.hu), localization

## GIS/FOSS4G

- HUNAGI (hunagi.hu), umbrella organization
- Casscadoss Foundation (casscadoss.hu)
- OpenStreetMap.hu
- OSGeo Hungarian Interest Group (unofficial)  
OSGeo Hungarian Chapter in the future...



# Unofficial OSGeo Hungary Interest Group

- [LinkedIn Group](#), 64 members (started February 2013)
- Workshops ([2013 February](#) and [November](#))
- Presentations at conferences, blogs, home pages
- Collection of Hungarian tutorials
  - QGIS (more then 70), GRASS (15),  
PostGIS (3), OpenLayers (3 + 3 live demo), GDAL/ORG  
(7), [www.agt.bme.hu/gis](http://www.agt.bme.hu/gis)
- Localization
  - QGIS, OpenJump, GeoPaparazzi, p.mapper,  
OpenLayers,



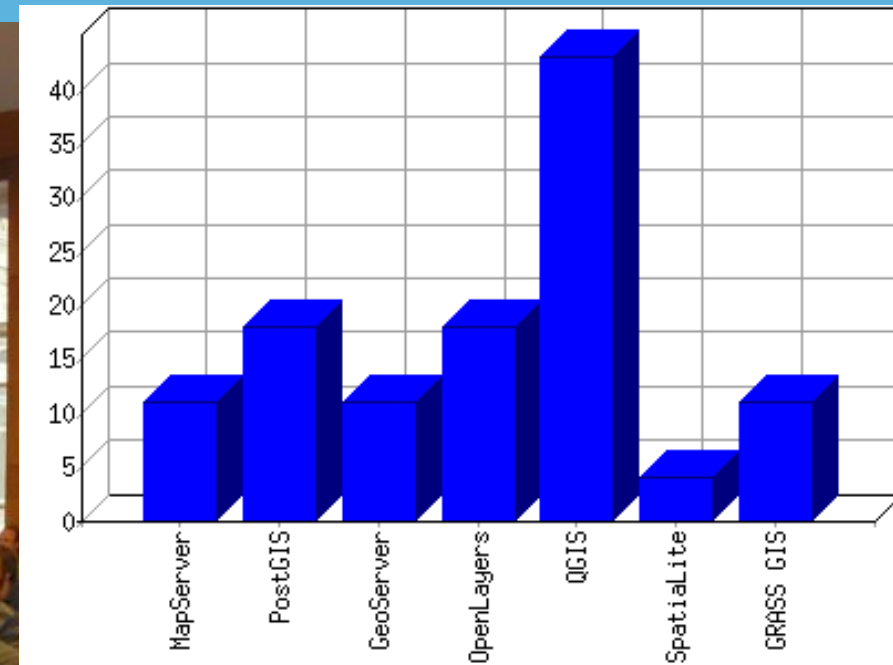
# Conferences, workshops

- Annual FOSS conferences (general)
  - Budapest, few GIS presentations
  - Szeged, GIS section (3-4 presentations)
- FOSS4G Workshops (BUTE)  
Department of Geodesy and Surveying
  - February 2013. 30 participants
  - November 2013. 108 participants
  - Next 2014 autumn (Pécs, Budapest?)
- GIS conferences, gita, Debrecen, GISOpen
  - Some presentations FOSS4G related
  - Workshops (PostGIS, GRASS GIS)





# 2nd Workshop at BUTE



## Monthly used

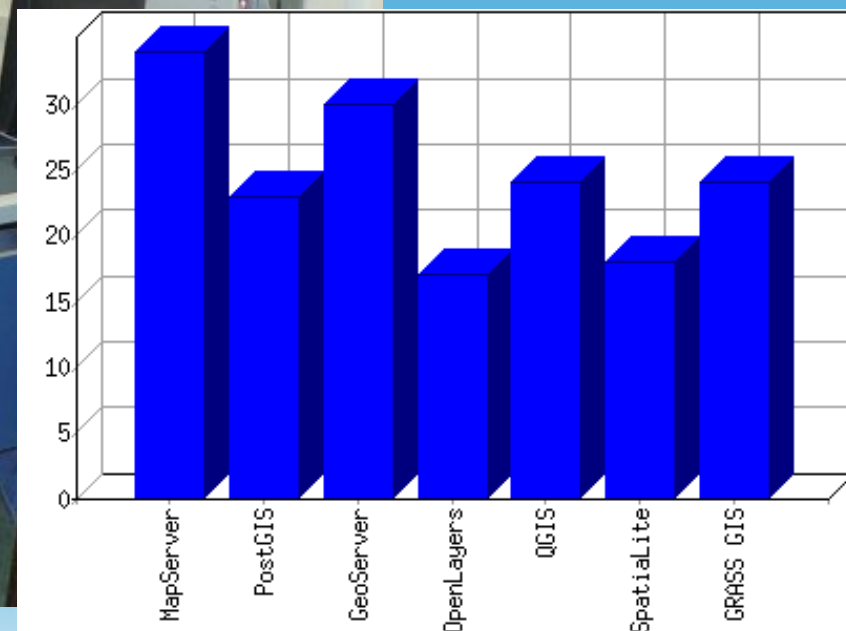
1. QGIS: 43
2. PostGIS: 18
- OpenLayers: 18
4. GRASS GIS: 11
- MapServer: 11
- GeoServer: 11
7. SpatiaLite: 4

# 2nd Workshop at BUTE

25% FOSS4G  
usage

## Want to learn

1. MapServer: 34
2. GeoServer: 30
3. GRASS GIS: 24
4. PostGIS: 23
5. QGIS: 24
6. SpatiaLite: 18
7. OpenLayers: 17





# Universities



- University of West Hungary, Faculty of Geoinformatics, ICA-OSGeoLab
- University of Pécs
- University of Szeged
- University of Debrecen
- Eötvös Lóránd University, Budapest
- Budapest University of Technology and Economics
- ...
- Lab practices, diploma works, PhD thesis



# FOSS4G applications, developments

- QGIS, GDAL developer – Tamás Szekeres
- Applications
  - OKIR (VM) (MapServer) Environment protection
  - VinGIS (FÖMI) (MapServer) Vineyard register
  - KIRA (KKK) (GeoServer) Transport IS
  - Local municipalities, Mapserver, GeoServer, MapGuide OS, OpenLayers, QGIS, etc.
- More and more enterprises offer FOSS4G applications/customization/development
- **Few people are involved in community**



# FOSS4G developments

plugins.qgis.org/plugins/realcentroid/

[QGIS HOME](#)[ABOUT PLUGINS](#)[PLUGINS](#)[PLANET](#)[USER MAP](#)[LOGOUT](#)[Share a plugin](#)

## Plugins

[My plugins](#)[Featured](#)[All](#)[Stable](#)[Experimental](#)[Popular](#)[Most voted](#)[Top downloads](#)[Most rated](#)

## Plugin tags

analysis cad cadastre calculator centroid  
composer csv database dem digitizing  
ecology export feature field geometry  
google html import inspire labeling land  
cover layers legend line load map metadata  
network analysis openlayers openstreetmap OSM

## QGIS Python Plugins Repository

### Plugin: realcentroid

★★★★★ (1) votes

This plugin creates a point shape file with internal points of a polygon shape, similar to the ST\_PointOnSurface function of PostGIS. The point will be inside the polygon all cases. Not only the geometries are created but the attributes are also copied from the polygon to the internal point.

[Details](#)[Versions](#)[Manage](#)

Version	Approved	Experimental	Minimum QGIS version	Downloads	Uploaded by	Date	Manage
0.4	yes	no	2.0.0	228	Siki	May 24, 2014, 10:42 a.m.	<a href="#">Edit</a> <a href="#">Delete</a>
0.3	yes	no	2.0.0	503	Siki	May 12, 2014, 10:18 a.m.	<a href="#">Edit</a> <a href="#">Delete</a>
0.2	yes	no	2.0.0	1343	Siki	March 9, 2014, 4:18 a.m.	<a href="#">Delete</a>
0.1	yes	no	2.0.0	949	Siki	Dec. 30, 2013, 10:18 a.m.	<a href="#">Delete</a>

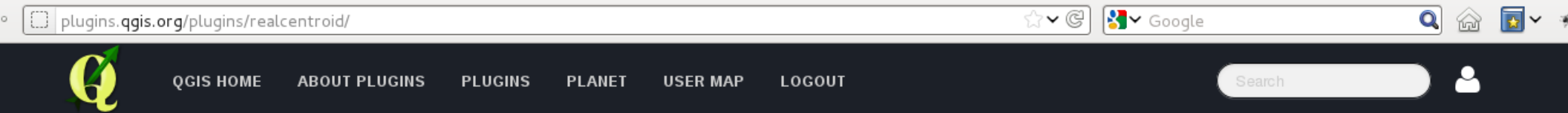


**More than 3000 downloads in half a year!**

Debrecen, 31<sup>st</sup> May 2014

GIS Conference

# FOSS4G developments



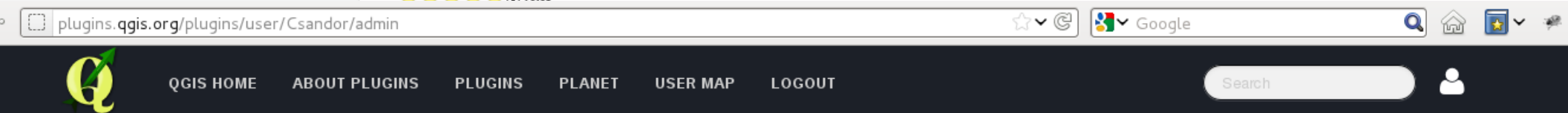
Share a plugin

## QGIS Python Plugins Repository

### Plugins

### Plugin: realcentroid

★★★★★ (1) votes





Share a plugin

## QGIS Python Plugins Repository

### Plugins

### Plugins from Csandor

2 records found — [Click to toggle descriptions.](#)

	Name	✓	★	↓	Author	Stars (votes)	Stable	Exp.	Manage
	Bulk vector export	✓	—	1561	ViaMap Ltd.	★★★★★ (3)	—		
	Polygon Splitter	✓	—	1010	ViaMap Ltd.	★★★★★ (1)	—		

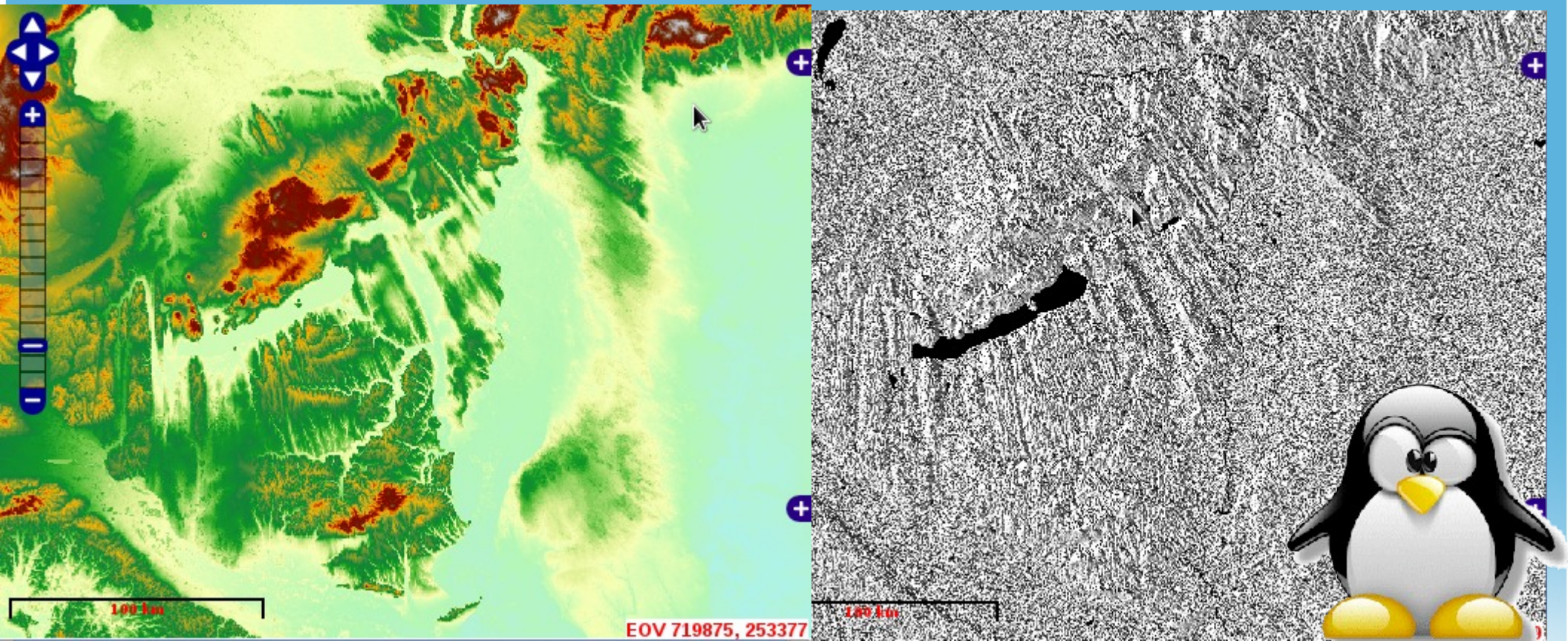
Deprecated plugins are printed in red.



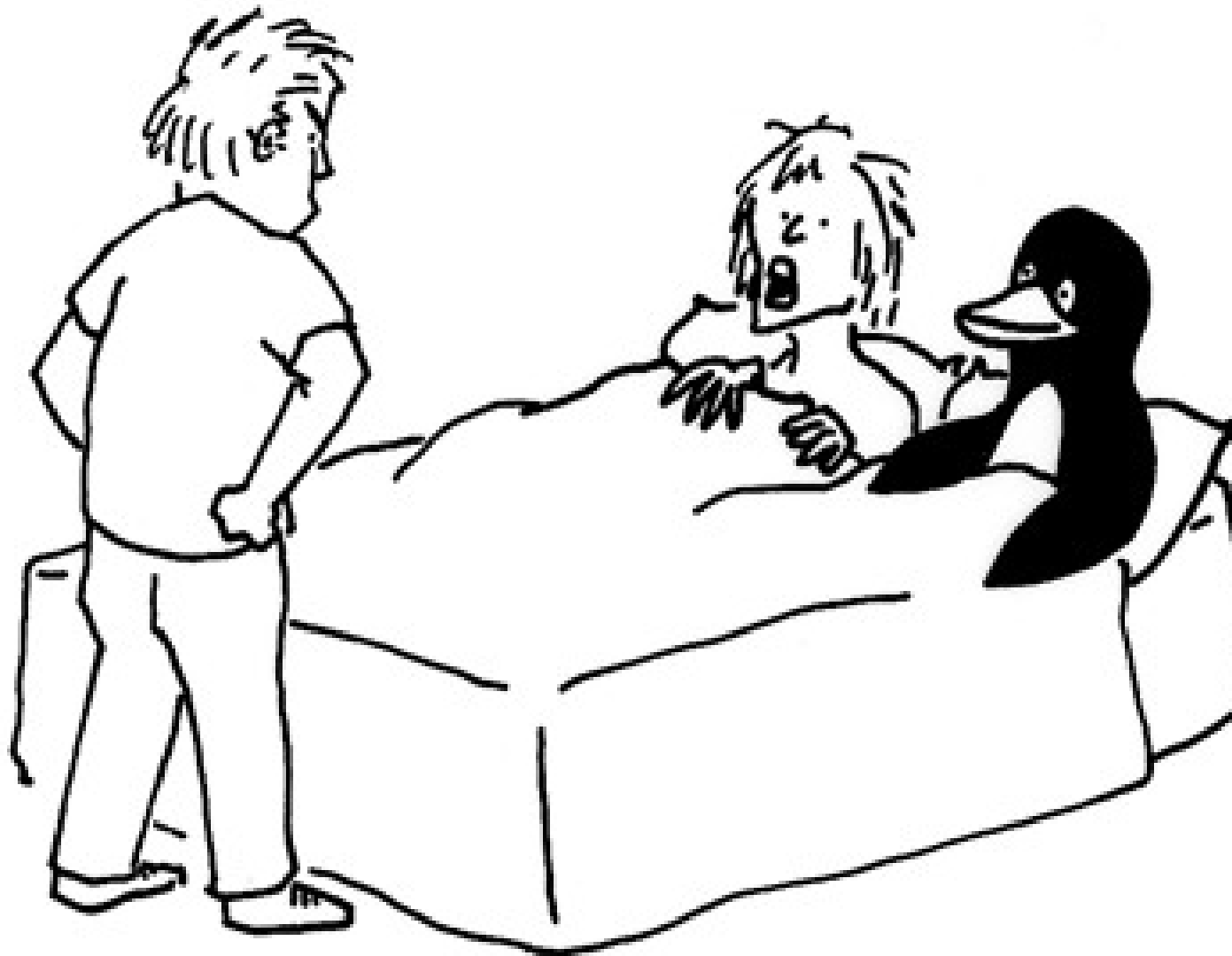


# Public service

- Public WMS service for EU DEM using Hungarian projection, [http://www.agt.bme.hu/cgi-bin/eu\\_dem](http://www.agt.bme.hu/cgi-bin/eu_dem)
- Elevation, slope, hill shade, aspect



**I ♥  
OPEN  
SOURCE**



Oh, come on. You must have suspected something when I switched to Linux.





# Plans

- Giving more information about FOSS4G/OSGEO making it well-known
- More Hungarian tutorials, workshops, meetings
- Wider use at universities, secondary schools, local municipalities, etc.
- Building an active community
- Giving alternative solution
- Answers to special Hungarian demands  
GRASS 7 translation,  
Hungarian projections,
- ...



**I ♥  
OPEN  
SOURCE**

**uDig**  
Do what you dig™

**GeoTools**

**GEOS**

**OSGeo**  
Your Open Source Compass

**PostGIS**

**GeoServer**

**Let's continue free!**

**QGIS**

**OpenLayers™**

**GDAL**

**MAPWINDOW 4.x**



**OPEN JUMP**  
collaborative mapping platform

**APACHE  
HTTP SERVER**

**mapfish**

**MapServer**  
open source web mapping

**gvSIG**

