

Contract no. 030776	Workpackage WP1	Delivery D1.6	Delivery Date 2007-07-02
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CASCADOSS

Development of a trans-national cascade training programme on Open Source GIS&RS Software for environmental applications

SPECIFIC SUPPORT ACTION

PRIORITY 1.2.4.2.2: IDENTIFICATION OF NEW METHODS OF PROMOTING AND ENCOURAGING TRANSNATIONAL TECHNOLOGY TRANSFER

Evaluation and Documentation of open source GIS/RS software projects

QuantumGIS

Start date of project: 2007-05-01

Duration: 24M

Documentation table

QGIS

Classification Type	GIS Application
Software Description	
<i>Short Description</i>	Quantum GIS is a desktop GIS that makes possible browse, edit and create map data. Quantum GIS supports vector, raster data and database handling and being compatible with many common spatial data formats. QGIS supports plugins and comes with 12 default ones. Quantum GIS also acts as a front end of GRASS. Main features: Raster and vector support, digitizing tools, print composer, Python language bindings, OGC support (WMS, WFS), overview panel, spatial bookmarks, Identify/Select features, edit/View attributes, feature labelling, on the fly projection.
<i>General Use / Goal / Aim</i>	General GIS application.
<i>Owner / History</i>	Owner: Gary Sherman, 2002-2007
<i>Variant Name</i>	QGIS
<i>Operating System (underline OS used for evaluation)</i>	Linux, BSD, Unix, Mac OSX, and Windows
<i>Programming Language / Compiler</i>	C++, gnu-compiler g++, make, qt4, the qt4 development tools qmake, moc, uic, cmake.
<i>Auxiliary Programmes</i>	Grass, and 12 plug-ins
<i>Language Version</i>	Czech 100%, English 100%, German 95%, Italian 50%, Romanian 60%, Slovak 100%, French 90%, Spanish 100% ,Polish 70%, Latvian 100%, Turkish ?, Danish ?
<i>National Version</i>	No direct support for national versions.

	<ul style="list-style-type: none"> - Not all the EPSG projection is set up. projection set up needs in depth knowledge - No national sample data sets are provided - No national sample data sets are provided
<i>Current Version</i>	Version 0.9.1
<i>Update Frequency</i>	min. 2 important versions per year, minor changes almost daily
<i>Type of License</i>	GNU General Public
<i>References</i>	American –museum of Natural History’s Center for Biodiversity and Conservation Latvian Cultural Affairs (there was a reported bug by them)
<i>Link(s)</i>	Status of translations, languages: http://wiki.qgis.org/qgiswiki/TranslatorsCorner History: http://spatialserver.net/foss4g2007/presentation/qgis_update.pdf Update: http://spatialserver.net/foss4g2007/presentation/qgis_update.pdf
Main Features	
<i>Development Libraries</i>	Not Applicable

<i>Database Management</i>	PostGIS Connection, Importing (SPIT plugin), editing PostGIS data, Using PostGIS Layers: QGIS can find all spatial tables in the PostgreSQL database, Layers can be loaded multiple times with different subsets
<i>Desktop Applications</i>	OGR formats, GRASS plugin for digitizing, browser
<i>Server Applications</i>	MapServer Export: Exports a saved QGIS project file to a map file Provides access to WMS layers, WFS (latter is experimental)
<i>Modelling</i>	Not applicable
<i>Spatial Analysis</i>	Not applicable
<i>Decision-Support Software</i>	DSR Application can be developed as plug-in or python script
<i>Other</i>	plug-in, python scripting, Uses OGR and supports the following file formats: ESRI ShapeFile, ArcInfo coverages, spatially enabled PostGIS tables, MapInfo mid/mif and TAB, GRASS raster and vector, geotiff, etc..DEM, ArcGrid, ERDAS, SDTS, and GeoTIFF <u>Commercial Support for QGIS:</u> 1. Faunalia based in Italy, 2. GDF Hannover, 3. HUGIS (based in Zurich)
Installation	Direct support for the latest version to Windows, Mac OS and SUSE, FEDORA, MANDRIVA. Linux other Linux distributions needs compilation or using older versions that the distributions usually provide.
Software Limits / Known Issues	-
Manual / FAQ / Acronyms	Brochure (ENG, GER), User Guide (ENG, GER, ITA),

Tutorial and or Sample Data	<p>Sample Data download from the main page, under the Download menu:</p> <p>http://qgis.org/index.php?option=com_content&task=view&id=65&Itemid=71</p> <p>The file contains 5 shp file and a tif. Its size is about 33 Mb.</p> <p>Short flash demo:</p> <p>http://qgis.org/index.php?option=com_content&task=view&id=24&Itemid=104</p> <p>Tutorial:</p> <p>http://blog.qgis.org/?q=node/86</p> <p>The workbook from the "Shuffling Quantum GIS into the Open Source Software Stack" workshop at FOSS4G2007 is available as a PDF (1.3MB). There are some exercise in it, which was used during the workshop.</p> <p>The liveCD was used at the FOSS4G2007 QGIS workshop, can be downloaded from here (569Mb):</p> <p>http://blog.qgis.org/?q=node/85</p> <p>Some different blogs as tutorials can be visited here:</p> <p>http://blog.qgis.org/?q=taxonomy/term/3</p>
Mailing list/Forums	<p>User mailing list:</p> <p>http://lists.qgis.org/cgi-bin/mailman/listinfo/qgis-user</p> <p>Developer mailing list:</p>

	<p>http://lists.qgis.org/cgi-bin/mailman/listinfo/qgis-commit</p> <p>Documentation mailing list:</p> <p>http://lists.qgis.org/cgi-bin/mailman/listinfo/qgis-doc</p> <p>Project management mailing list:</p> <p>http://lists.qgis.org/cgi-bin/mailman/listinfo/qgis-trac</p> <p>Project Steering Committee mailing list:</p> <p>http://mrcc.com/cgi-bin/mailman/listinfo/qgis-psc</p> <p>Forum:</p> <p>http://forum.qgis.org/</p>
WIKI	<p>http://wiki.qgis.org/qgiswiki</p>