
OSGeo Journal

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Dr. Markus Lupp (aka Markus Müller)

About deegree

deegree¹ is a Java-based Open Source / Free Software framework for the implementation of Spatial Data Infrastructures (SDI). It contains the services needed for SDI (deegree Web Services) as well as portal components (deegree iGeoPortal), mechanisms for handling security and access control issues (deegree iGeoSecurity) and storage / visualization of 3D geodata (deegree iGeo3D).

deegree is conceptually and interface-wise based on the standards of the Open Geospatial Consortium (OGC) and ISO / TC 211. At the time of writing it is the most comprehensive implementation of those standards in one Open Source framework. The framework is component-based to a high degree, allowing the flexible creation of solutions for a wide variety of use cases.

deegree is the official reference implementation of the OGC for the Web Map Service and Web Coverage Service standards. It is published under the GNU Lesser General Public License.

¹deegree web site: <http://www.deegree.org>

²deegree SVN: <http://deegree.wald.intevation.org/>

Release management in deegree2

With the 2.1 release a number of changes took place concerning code management in deegree:

- deegree moved from CVS to SVN²
- a stable branch was introduced that is used as the base for releases
- a testing process was installed that results in more stable releases
- demos (packages containing a specific, pre-configured component that is part of deegree) are managed in the SVN and are published as WAR-archives.

All these measures aim at a more professional and open development of the project.

deegree 2.1 rc1 demo releases

On June 11th (in time for deegree day) the 2.1 release candidates for the following demos were published:

- deegree Web Map Service (the designated official Reference Implementation of the OGC for WMS 1.3 and WMS 1.1.1)
- deegree Web Feature Service (WFS 1.1.0)

- deegree Web Coverage Service (the designated official Reference Implementation of the OGC for WCS 1.0)
- deegree iGeoPortal
- deegree Catalogue Service – Web (CS-W 2.0 ISO application profile)
- deegree Web Perspective View Service / Web Terrain Service (WPVS/WTS)

The publication as WAR-archives including pre-configured data sources makes the installation and deployment of the demos very easy. WMS, WFS, WCS and iGeoPortal can be installed **within seconds** assuming that a Servlet Engine like Tomcat is already installed.

For installation of the Catalogue Service, setup of a PostgreSQL/PostGIS is necessary. For the WPVS/WTS an OpenGL-enabled graphics card is necessary.

Great effort was also put into the creation of documentation for these six demo releases.

The demo releases can be accessed online³ and downloaded from www.deegree.org.

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Open Source GIS: A GRASS GIS Approach, 3rd Edition

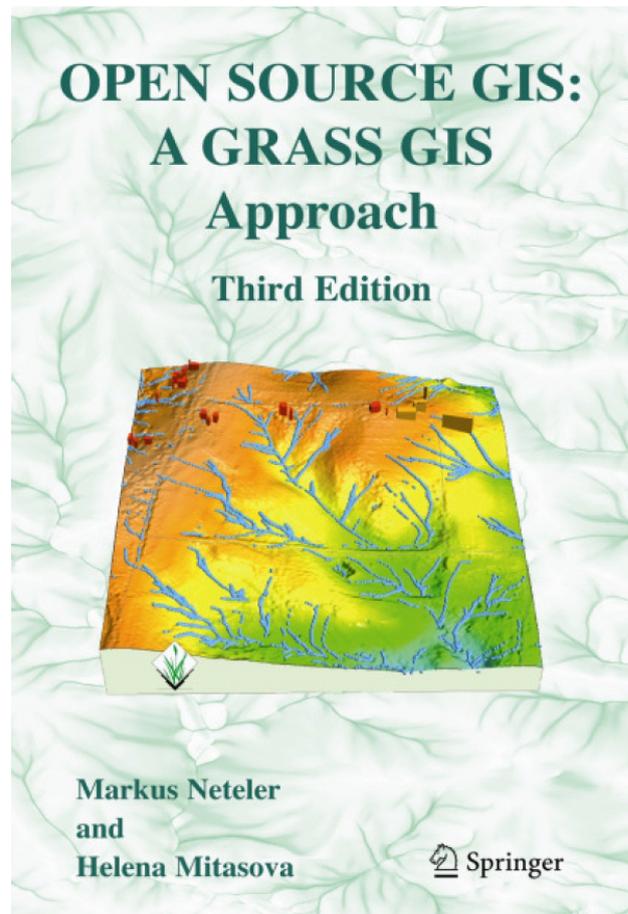
Markus Neteler, Helena Mitsova

With this third edition of **Open Source GIS: A GRASS GIS Approach**, we enter the new era of GRASS 6, the first release that includes substantial new code developed by the International GRASS Development Team. The dramatic growth in open source software libraries has made the GRASS 6 development more efficient, and has enhanced GRASS interoperability with a wide range of open source and proprietary geospatial tools.

Thoroughly updated with material related to the GRASS 6, the third edition includes new sections on attribute database management and SQL support, vector networks analysis, lidar data processing and new graphical user interfaces. All chapters were updated with numerous practical examples using the first release of a comprehensive, state-of-the-art geospatial data set.

Open Source GIS: A GRASS GIS Approach (third edition) preserves the continuity of previous editions by maintaining the proven book's structure and continues to target professional audience composed of researchers and practitioners in government and industry as well as graduate students interested in geospatial analysis and modeling.

Written for: Professionals, researchers and practitioners, graduate students. For more information see the GRASSbook.org website.



³Demo releases: <http://demo.deegree.org/>

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