



improve access to geospatial data and information at different scales and from multidisciplinary sources, organized and documented in a consistent way and compliant with relevant international standards.

Developed and published by:

The Environment and Natural Resources Service (SDRN) - The Food and Agriculture Organization of the United Nations

With contributions from:

The Vulnerability Analysis and Mapping Branch (VAM) - The United Nations World Food Programme
 The Division of Early Warning and Assessment (DEWA) - The United Nations Environment Programme
 The Office for the Coordination of Humanitarian Affairs (OCHA) - United Nations

Contact information:

FAO UN - SDRN
 Viale delle Terme di Caracalla - 00100 Rome - Italy
 Telephone: +39 06 57051
 Web Site: www.fao.org

© FAO 2006

System requirements

Operating System:

Platform independent. Tested on MS Windows, Linux or Mac OS X

Processor:

1 GHz recommended or higher

Memory:

Minimum 64MB. Typical 256MB recommended or higher

Disk Space:

Minimal 30MB. Typical at least 250MB of free disk space. Additional space requirements depend on the amount of spatial data uploaded into the application.

Software requirements:

A Java Runtime Environment (JRE 1.5.0).

For server installations Apache Tomcat and a JDBC compliant DBMS (MySQL, Oracle) are required.

Technology

- Platform independent
- Written in Java
- Web Services and Servlet technologies
- XML/XSL technology throughout the system
- JDBC and SQL92 compliant



Get connected! | Geographic data sharing for everyone
<http://geonetwork.sourceforge.net>





a standards based Geographic Data and Information Management System for the web

Thematic geographic information is the basis for efficient and successful sustainable development planning and implementation. **GeoNetwork opensource** is the result of a common strategy to effectively share and exchange spatial databases including GIS maps, satellite images and related statistics in digital format.

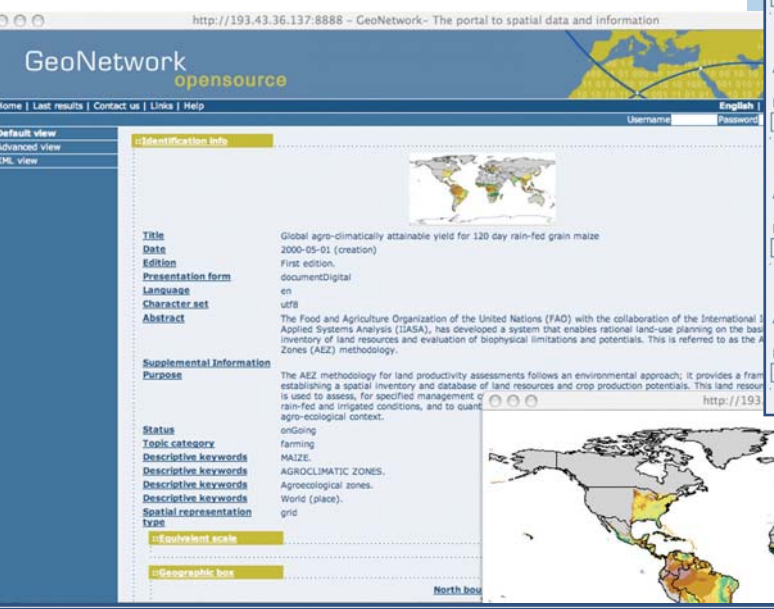


Geographic Data and Information, including those derived from satellite imagery, are effective communication tools and play an important role in the work of various types of users:

Decision Makers: e.g. Sustainable development planners and humanitarian and emergency managers in need of quick, reliable and up to date user-friendly cartographic products as a basis for action and to better plan and monitor their activities.

GIS Experts: in need of exchanging consistent and updated geographical data.

Spatial Analysts: in need of multidisciplinary data to perform geographical analysis and reliable forecasts to better plan interventions in vulnerable areas.



GeoNetwork opensource provides:

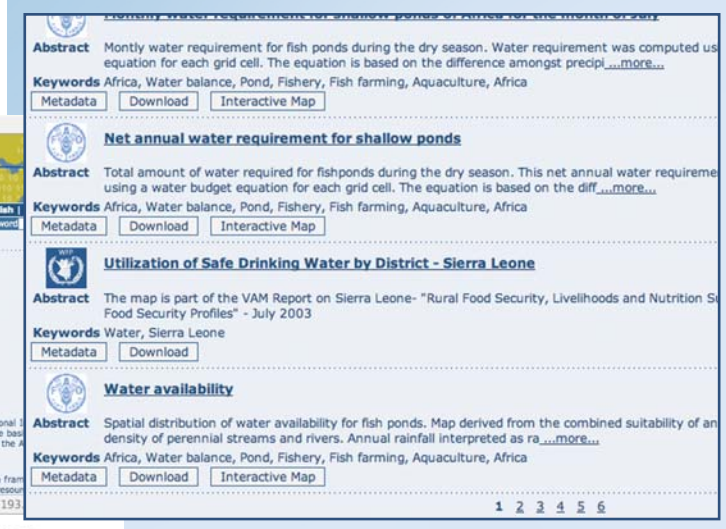
- * Immediate search access to local and distributed geospatial catalogues
- * Up- and downloading of data, graphics, documents, pdf files and any other content type
- * An interactive Web Map Viewer to combine Web Map Services from distributed servers around the world
- * A randomly selected Featured Map
- * Recently updated entries, also accessible as RSS news feeds and as GeorSS.
- * Online editing of metadata with a powerful template system
- * Native support for ISO19115, FGDC and Dublin Core formatted metadata
- * Scheduled harvesting and synchronization of metadata between distributed catalogues
- * Fine-grained access control
- * Group and user management
- * Multilingual user interface

Standards

International standards as defined by the International Standards Organization (ISO) and the Open Geospatial Consortium (OGC) are at the basis of the GeoNetwork opensource system. This ensures maximum interoperability to exchange data and information within the technical domain of Geographic Information Systems.

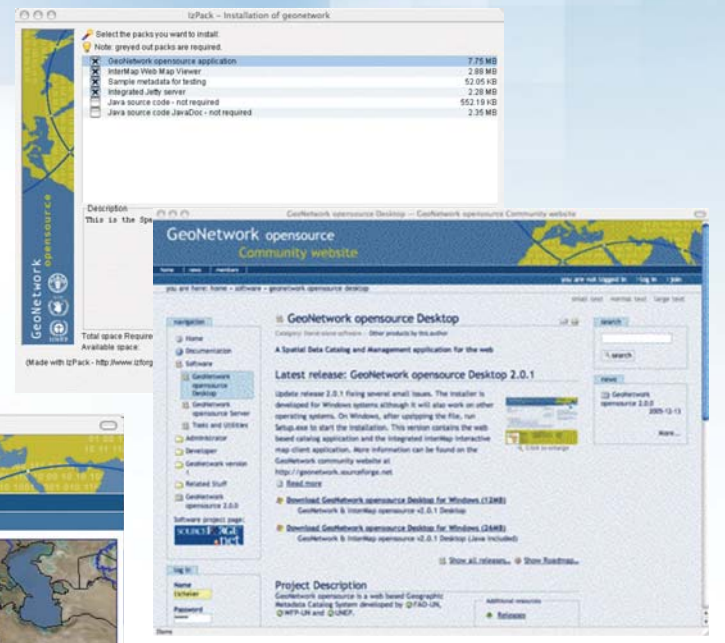
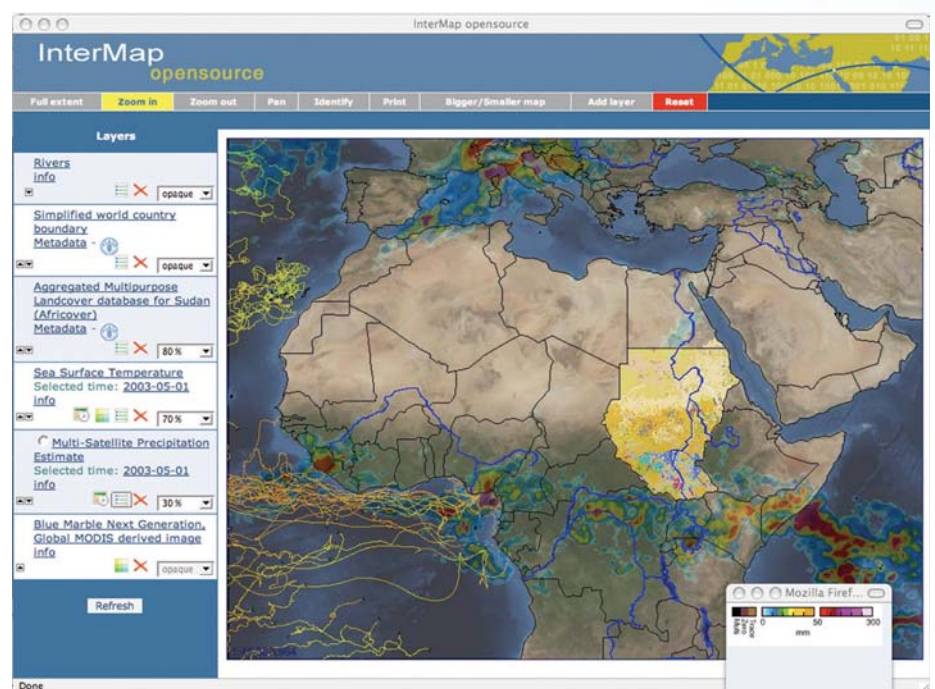
Discover more

GeoNetwork opensource can be used to access a wide selection of maps and other geospatial information stored in different databases around the world through a single entry point on the Internet while ensuring proper attribution to the originator.



InterMap opensource

You can combine interactive maps and satellite images from different sources on the fly using the embedded InterMap opensource Web Map Viewer. The viewer supports Open Geospatial Consortium Web Map Service (OGC-WMS) compliant map services as well as ESRI® ArcIMS map services. It also supports OGC Web Map Context project files.



A Desktop and Server installer for use on any platform

A universal installer allows you to quickly install and configure your own spatial data management system. GeoNetwork opensource is available for installation on your personal computer as well as for more complex server installations. GeoNetwork opensource is developed to run on any operating system and has been developed and tested on Windows, Linux and Mac OS X.

Community website

A GeoNetwork opensource Community Website provides up to date information on the project. With a Documentation Center and a Software Center as core components, this site offers you the essential tools to find answers to your questions, provide feedback and even contribute content.

Find the GeoNetwork community website at <http://geonetwork.sourceforge.net>

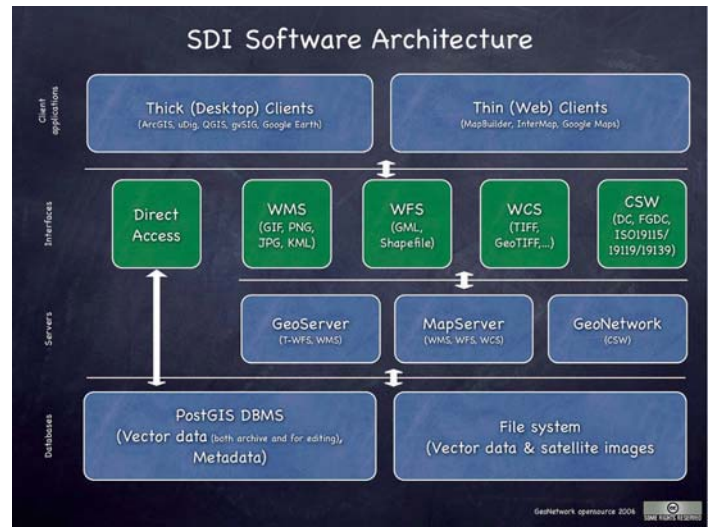
Free and Open Source Software

Following the Free and Open Source Software (FOSS) development process, GeoNetwork opensource significantly reduces costs to all its stakeholders. Particularly developing countries benefit from getting freely available software capacities to support sustainable development programmes. Resources otherwise spent on license fees can go exclusively towards developing human skills and local capacity.

The glue in a Spatial Data Infrastructure

GeoNetwork opensource has been developed to connect spatial information communities and their data using a modern architecture, which is at the same time powerful and low cost. The system seamlessly integrates with a range of closely related specialized systems, both commercial and open source. GeoNetwork opensource fulfills the role of the glue that connects the parts. Together, these systems form the basis of a modern Spatial Data Infrastructure (SDI). (see picture on the right)

You can use GeoNetwork opensource in combination with Map Server technologies as provided by e.g. ESRI® ArcIMS™, MapServer or GeoServer to allow geospatial data services to be accessed and combined interactively through GeoNetwork opensource's embedded Web Map Viewer, InterMap opensource.



GeoNetwork OpenSource | a major step towards faster and better responses to the complex information needs of decision makers.