

GIS-Community “on the hill”



Discovering the World Through GIS

November 16, 2011

Community communication and support

- Communication

- GIS user mailing list
- GIS wiki
- Zeigertelegraph (Blog)
- Geoinformatics colloquium

- Support

- GIS software (commercial and FOSS)
- GIS computation with cluster and GRASS
- Geospatial data for GIS
- FOSS hosting



GIS user mailing list

gis-user@gfz-potsdam.de



- Subscribe to the list by sending an email to gis-user-on@gfz-potsdam.de
- You will receive an automated message (containing a confirmation ID)
- Confirm the subscription by using the reply command in your mail client
- Participate in the list by asking questions and providing support
- Access the archive at <https://gfz-potsdam.de/Lists/gis-user/List.html>
Username: Your mail address used for subscription
Password: The confirmation ID used to confirm subscription

GIS wiki

dokuwiki.gfz-potsdam.de/gis/

- Find information about GIS
- No registration required
- Participate by transferring and archiving GIS knowledge via our wiki platform
- Register online at dokuwiki.gfz-potsdam.de/gis/doku.php?do=register
- Receive an automated message with username and password



Zeigertelegraph

zeigertelegraph.gfz-potsdam.de

- Find information related to GIS in a broader sense
- Published irregularly
- Participate by contributing articles
- Become an author by contacting active authors
zeigertelegraph.gfz-potsdam.de/?page_id=144
- Subscribe to articles
zeigertelegraph.gfz-potsdam.de/?feed=rss2
- Subscribe to comments
zeigertelegraph.gfz-potsdam.de/?feed=comments-rss2
- Follow on twitter.com/#!/zeigertelegraph



Geoinformatics colloquium

- Geoinformatics colloquium is a forum for presentation and discussion of topics in computer science and geoinformatics
- Date: every first Wednesday of the month starting at 3pm
- Receive latest event information and subscribe to gi-kolloquium-subscribe@gfz-potsdam.de
 - Or visit www.gfz-potsdam.de/portal/gfz/cegit/Aktuelles
- Access the archive at www.gfz-potsdam.de/portal/gfz/cegit/Aktuelles/Archiv
- Contribute by giving a talk
- Contact Jens or Joachim, propose a topic and a date
 - jens.klump@gfz-potsdam.de, and joachim.waechter@gfz-potsdam.de



GIS software

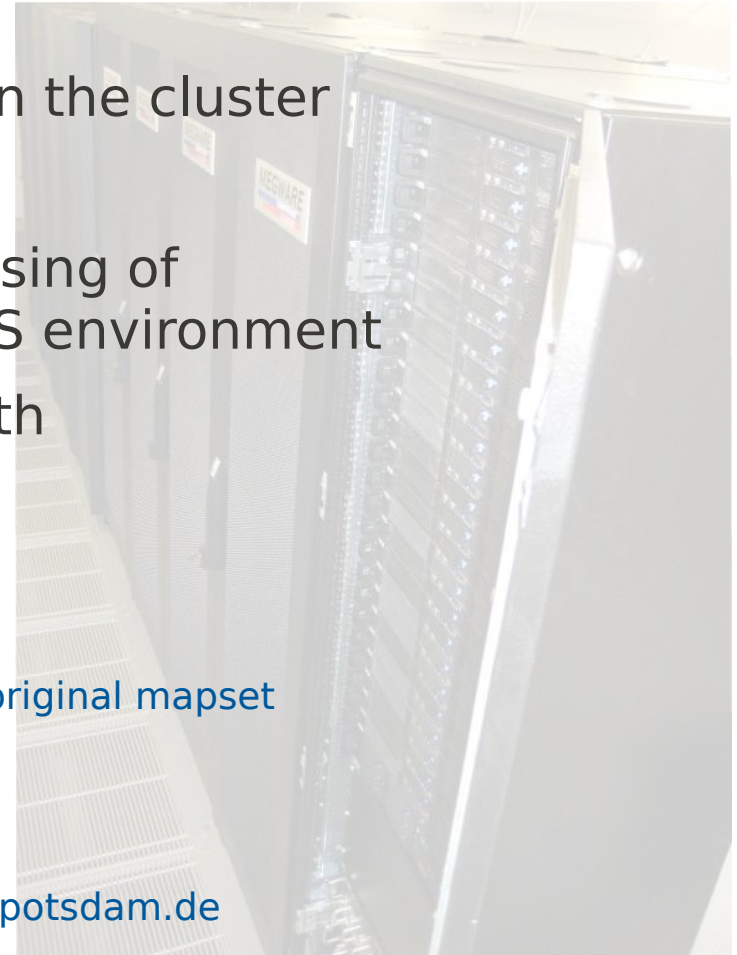
- Commercial GIS software from ESRI (Arc* products)
 - Campus license for GFZ, University Potsdam and PIK
 - Installation and download from FTP server
 - Find further information at www.gfz-potsdam.de/portal/gfz/cegit/SoftLAB/GIS-Software
 - Contact Matthias at matthias.schroeder@gfz-potsdam.de
- Free and Open Sources Software (FOSS) GIS software
 - Get and provide support for GRASS GIS, Quantum GIS (QGIS), uDig ...
 - Use GIS user mailing list and GIS wiki



uDig

GIS computation on cluster with GRASS

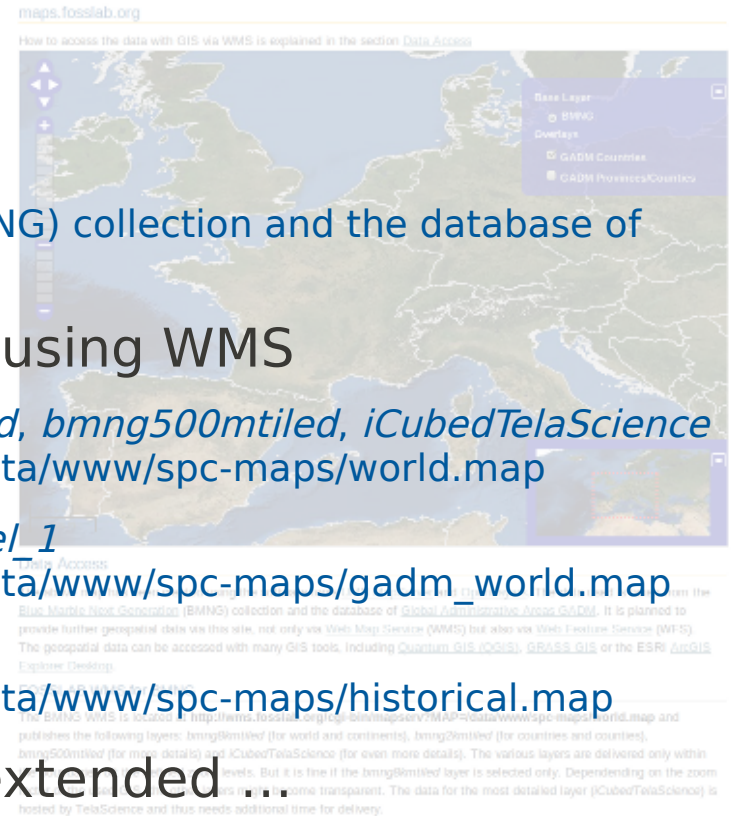
- Test installation of GRASS is running on the cluster
- Official one will follow soon
- Prepared wrapper scripts allow processing of GRASS script files in the Cluster GRASS environment
- Wrapper scripts take care of issues with parallel operation on a mapset
 - Creation of a temporary copy of the mapset
 - Calculation on the execution node's local storage
 - Conversion of computation results back into the original mapset
- Ask Peter or Jan for processing
 - peter.loewe@gfz-potsdam.de and jan.thaler@gfz-potsdam.de



Geospatial data for GIS

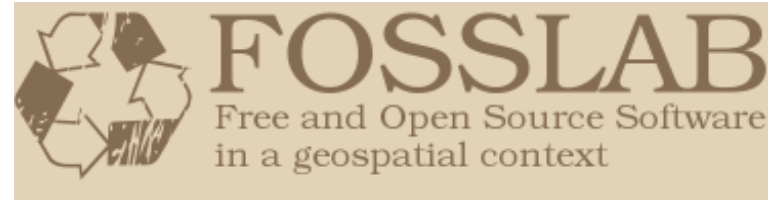
maps.fosslab.org and wms.fosslab.org

- Free online maps
 - Created using UMN MapServer and OpenLayers
 - Data based on Blue Marble Next Generation (BMNG) collection and the database of Global Administrative Areas GADM
- Access geospatial data with GIS tools using WMS
 - BMNG WMS layers: *bmng8kmtiled*, *bmng2kmtiled*, *bmng500mtiled*, *iCubedTelaScience*
<http://wms.fosslab.org/cgi-bin/mapserv?MAP=/data/www/spc-maps/world.map>
 - GADM WMS layers: *gadm_level_0* and *gadm_level_1*
http://wms.fosslab.org/cgi-bin/mapserv?MAP=/data/www/spc-maps/gadm_world.map
 - Proof-of-concept for historical maps
<http://wms.fosslab.org/cgi-bin/mapserv?MAP=/data/www/spc-maps/historical.map>
- Services (WFS, CSW) and data to be extended ...
- Share your geospatial data that is not currently accessible via WMS or WFS



FOSS project hosting

www.fosslab.org



- Save, transfer, reuse and advance results achieved in previous and on-going project activities
- Establish a source for FOSS solutions in a geospatial context
- Present activities and results to encourage re-use of results developed and to involve others in development
- Enable further development and collaboration with a wide community including scientists, developers, users and stakeholders
- Share and publish FOSS produced on FOSSLAB
 - FOSSLAB constitutes an umbrella encompassing a number of related geoinformatic activities
 - Publicly available software repository with website, version control, issue tracker ...
 - Separation of the different sub-projects/communities with
 - Clear distinction between the activities of the sub-projects
 - Different pool of users with different rights to participate in the communities

Community tombola

- Win wonderful prizes
 - **GPS Logger / Trip Recorder** for data recording and navigation
 - Record your travels and show on Google Earth
 - Show your photos/tracks on Google Map and share with your friends
 - Record points of interest
 - **Magic Floater - Magnetic Levitating Globe**
 - White LED illumination
 - Rotating globe
 - **Berlin transit network map**
 - Super-sized traditional paper map of Berlin transit network
- Participate and strengthen the community by providing
 - Your GIS interests
 - Your ideas for GIS-Day in 2012

