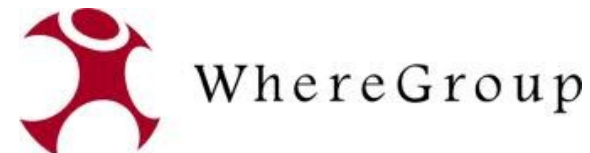


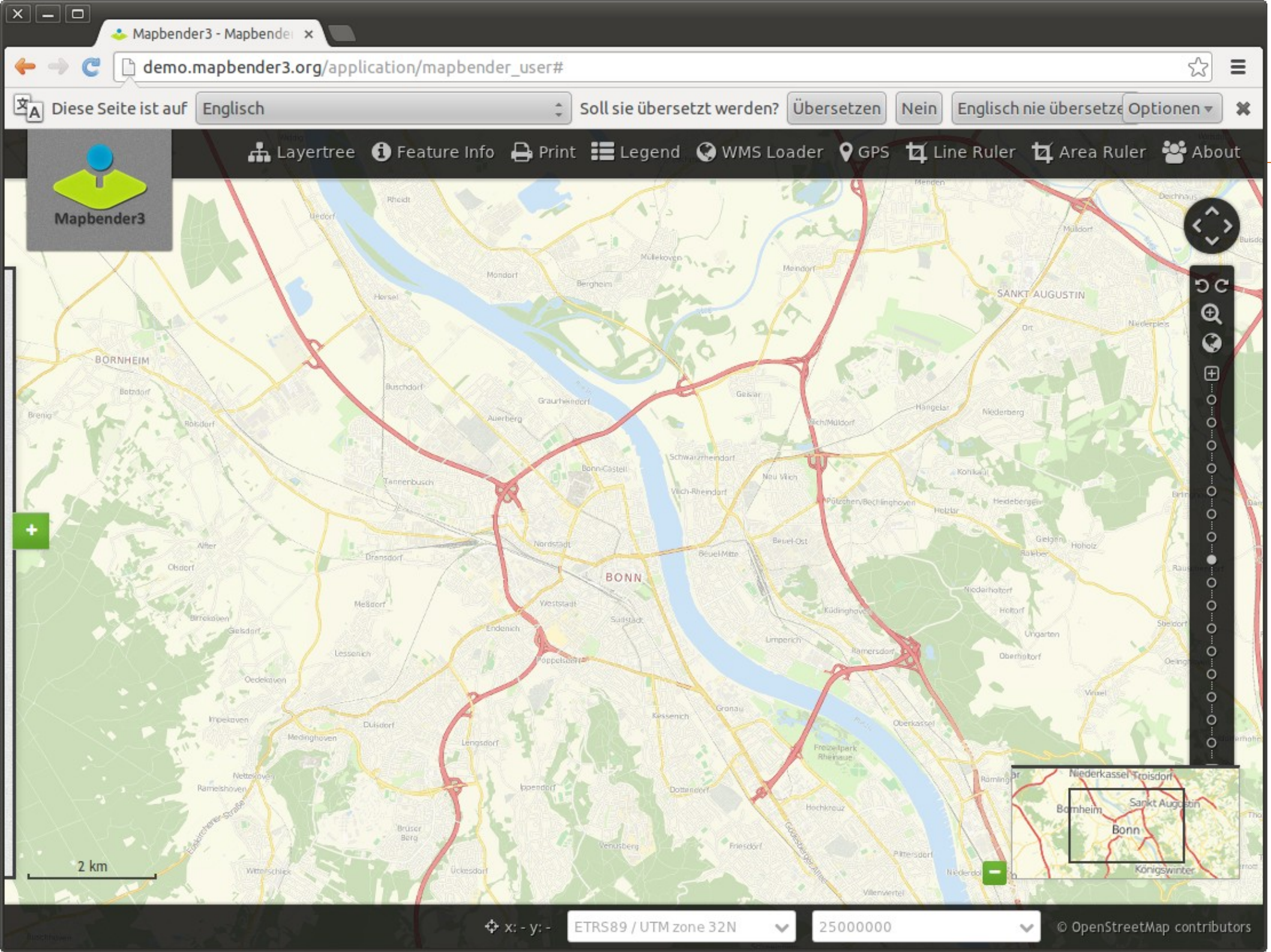
Mapbender3



Astrid Emde

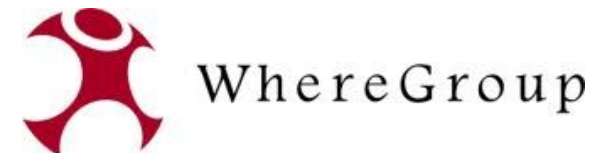
- Mapbende Developer Team
- Mapbender PSC (Project Steering Committee)
- Konzeption, Testen, Dokumentation, Release
- WhereGroup Bonn <http://wherogroup.com>



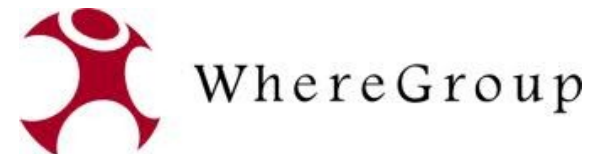


Ziele des Workshops

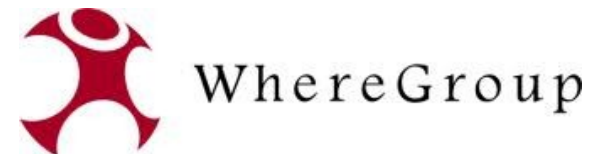
- Mapbender3 kennenlernen
- Was bietet die Anwendung?
- Architektur und Installation
- Dienste laden
- Eigene Anwendung erzeugen
- Benutzer und Gruppe anlegen
- Rechtezuweisung
- Designanpassungen



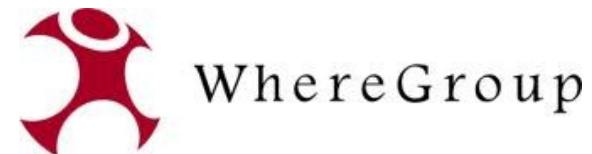
Was macht Mapbender?



WebGIS Client Suite mit Administrations-Webinterface



Erzeugen eines Geoportals ohne eine Zeile Code zu schreiben!



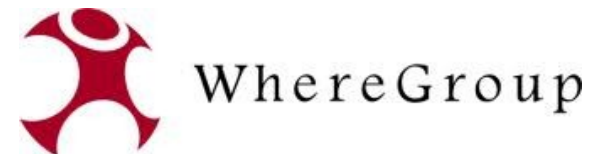
Anlegen und Pflegen eines OWS Repositories



Zuweisung konfigurierter Dienste an Anwendungen



Vergabe von Benutzer- und Gruppen-Rechten an Anwendungen und Dienste

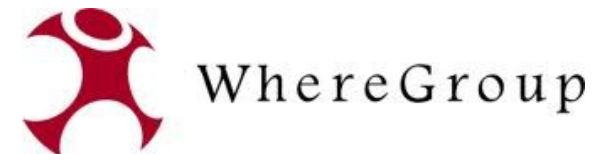


Mapbender Komponenten

Anwendungen

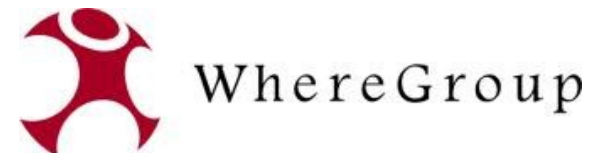
Dienste

Rollen



Welche Komponenten nutzt Mapbender3?

- Symfony2 als PHP Framework
 - Doctrine, Twig, Monolog, Bootstrap...
 - Bundles
- OpenLayers
- MapQuery
- jQuery
- SQLite, PostgreSQL, MySQL, Oracle Datenbank





Search or type a command



Explore Gist Blog Help



astroidex



Mapbender
Development
Team
mapbender

<http://mapbender3.org>

Joined on Jul 05, 2011

7

public repos

0

private repos

13

members

Repositories

Members

Edit mapbender's Profile

Find a Repository...

All Public Private Sources Forks Mirrors



mapbender-starter

Mapbender3 starter project

Last updated 4 hours ago

PHP

★ 9

🔗 0



mapbender

The PHP web mapping framework

Last updated 4 hours ago

JavaScript

★ 13

🔗 1



fom

Friends Of Mapbender Bundles

Last updated 4 hours ago

PHP

★ 1

🔗 0



owsproxy3

Owsproxy3 now Symfony2 based.

Last updated 3 months ago

PHP

★ 1

🔗 0



mapbender-print

Mapbender3 print bundle

Last updated 7 months ago

★ 1

🔗 0



mapquery

mapbender mapquery clone

Last updated 11 months ago

JavaScript

★ 3

🔗 0

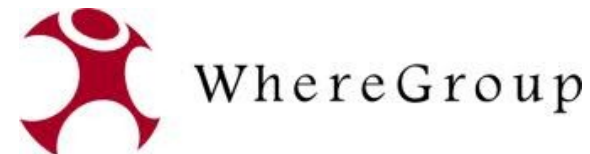
Mapbender auf Github

Installation

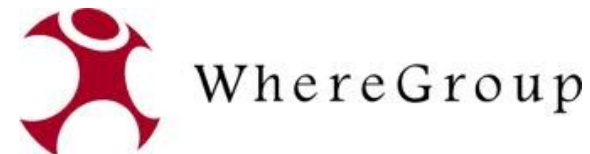


Systemvoraussetzungen

- \geq PHP 5.3.8 (php5)
- PHP CLI interpreter (php5-cli)
- PHP SQLite extension (php5-sqlite)
- PHP PostgreSQL Erweiterung (php5-pgsql)
- PHP cURL extension (php5-curl)
- PHP Alternative PHP Cache (php-apc)
- PHP Internationalisierungserweiterung (php5-intl)

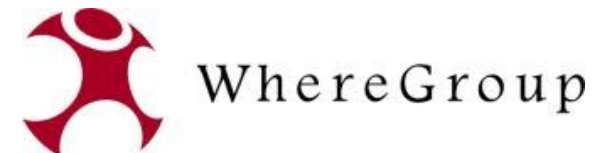


- Dokumentation der Installation
- Workshop Installation über `install_mapbender3.sh` von OSGeo-Live
- Dateien liegen unter: `/var/www/mapbender3/`
- Datenbank PostgreSQL mapbender3
- Download <http://mapbender3.org/builds/>
- Mapbender3 auf OSGeo-Live



Aufruf Mapbender3

- Developer Modus http://localhost/mapbender3/app_dev.php
- Produktiver Modus
<http://localhost/mapbender3/app.php>
- Symfony2 Test der Konfiguration
<http://localhost/mapbender3/config.php>




Symfony Configuration - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Symfony Configuration

localhost/mapbender3/config.php

Google



Welcome!

Welcome to your new Symfony project.

This script will guide you through the basic configuration of your project. You can also do the same by editing the '`app/config/parameters.yml`' file directly.

MAJOR PROBLEMS

Major problems have been detected and **must** be fixed before continuing:

1. Set the "**date.timezone**" setting in `php.ini`* (like Europe/Paris).

* Changes to the `php.ini` file must be done in "`/etc/php5/apache2/php.ini`".

[Re-check configuration >](#)

Unterstützung durch den Symfony Profiler

The screenshot displays a web browser window titled "Mapbender User Demo Map - Mapbender3 - Mozilla Firefox". The address bar shows the URL `http://localhost/mapbender-starter/app_dev.php/application/mapbender_user`, with `/app_dev.php` circled in red. A red arrow points from this text to the `/app_dev.php` portion of the URL. The browser window contains a map application with a toolbar at the top (Map Click, Map Box, Distance, Area, TOC, About, FeatureInfo) and a "Table of Contents" panel on the right. The map shows a world map with numerous blue and red markers. The Symfony Profiler overlay is visible at the bottom of the browser window, showing the application's performance metrics and the current URL: `http://localhost/mapbender-starter/app_dev.php/_profiler/4e721c007a66f?panel=db`.

Mapbender User Demo Map - Mapbender3 - Mozilla Firefox

Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

`http://localhost/mapbender-starter/app_dev.php/application/mapbender_user`

Map Click Map Box Distance Area TOC About FeatureInfo

Table of Contents

- ☒ Mapbender Users
- ☒ Demis World Map

/app_dev.php

Scale 1:91M

sf 2.0.0 PHP 5.3.2-1ubuntu4.9 | xdebug | accel | app|dev|debug|4e721c007a66f | ApplicationController::applicationAction|mapbender_application|200 | 246 ms | 8704 KB | user | 0

`http://localhost/mapbender-starter/app_dev.php/_profiler/4e721c007a66f?panel=db`

Unterstützung durch den Symfony Profiler

Profiler - Mozilla Firefox


Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

http://localhost/mapbender-starter/app_dev.php/_profiler/4e721b4d2afab?panel=config PostgreSQL

Profiler Handbook - Mapbender3 README.rst at master fro...

Sf 2.0.0 PHP 5.3.2-1ubuntu4.9 xdebug accel app|dev|debug|4e721b4d2afab ApplicationController::applicationAction|mapbender_application|200 728 ms 8704 KB user

0

 **Symfony profiler**

http://localhost/mapbender-starter/app_dev.php/application/mapbender user
by 127.0.0.1 at Thu, 15 Sep 2011 17:35:41 +0200

CONFIG

REQUEST

EXCEPTION

EVENTS

LOGS

Project Configuration

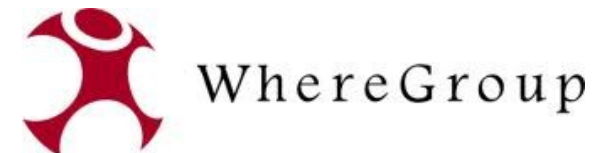
Key	Value
Symfony version	2.0.0
Application name	app
Environment	dev
Debug	enabled

PHP configuration

Fertig

Wo liegt was?

- Apache2 ALIAS mapbender3 zeigt auf:
`/var/www/mapbender3/web/`
- `app_dev.php` → `mapbender3/web/app_dev.php`
- Mapbender:
`mapbender3/mapbender/src/Mapbender/CoreBundle`



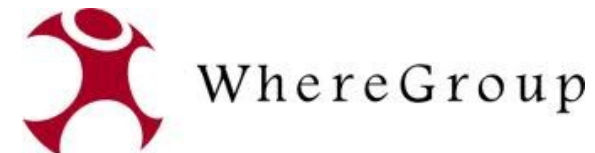
Erzeugen Sie Ihre eigene Anwendung



- root-Benutzer wird bei der Installation erzeugt
- Registrierung und Passwort anfordern kann aktiviert werden

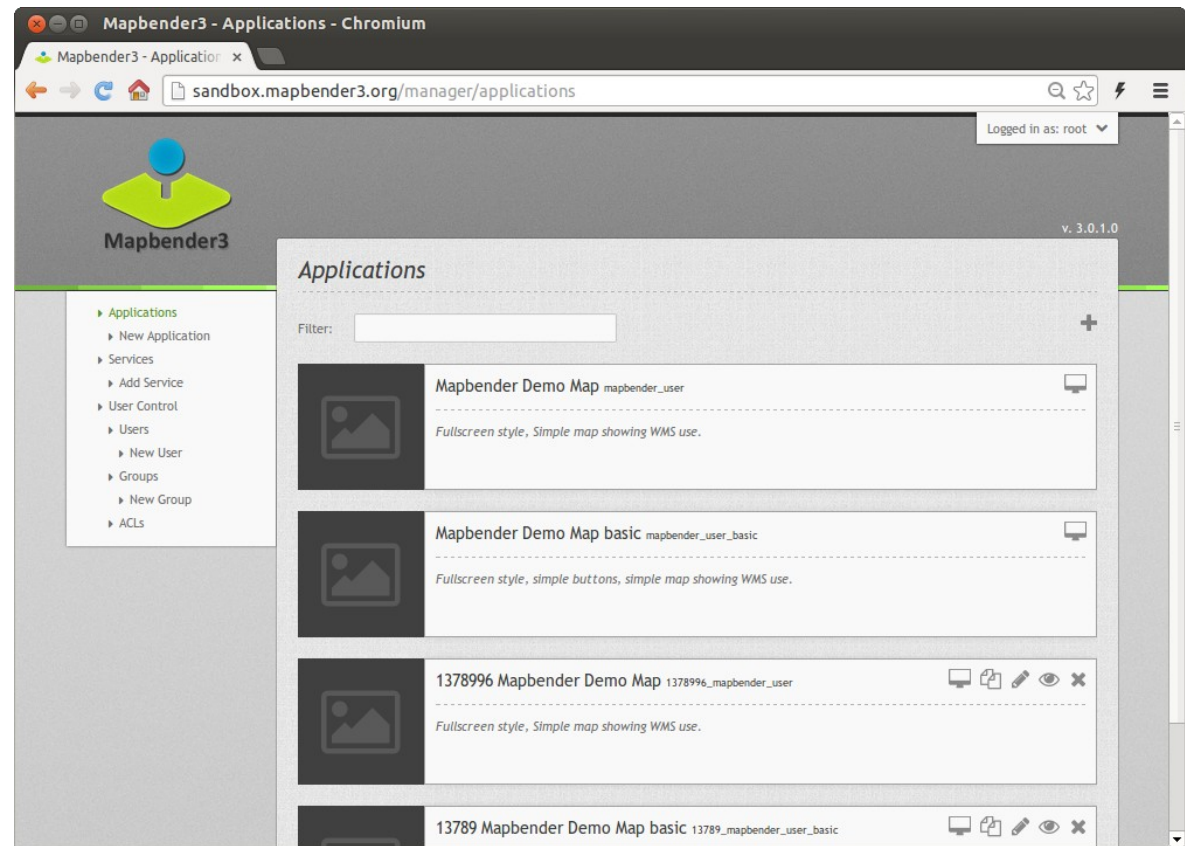


The screenshot shows a login interface with the title "Login" in a stylized font. Below the title is a dashed horizontal line. There are two input fields: "Username:" and "Password:". The "Username:" field has a green border and a cursor. Below the "Password:" field is a green "Login" button. At the bottom left of the form, there are links for "Register" and "Forgot password?".



Anwendungsübersicht

- Übersicht der Anwendungen
- Aufruf legt Session auch für anonymen Benutzer an
- Anzeige mit Titel, Beschreibung, Übersichtsbild
- Start / Bearbeitung der Anwendung



Mapbender3 - New Application - Chromium

Mapbender3 - New Applic x

sandbox.mapbender3.org/manager/application/new

Logged in as: root

v. 3.0.1.0

Mapbender3

- Applications
 - **New Application**
- Services
 - Add Service
- User Control
 - Users
 - New User
 - Groups
 - New Group
 - ACLs

New Application

Base data Security

Title* demo

URL title* demo

Description Demo application

Create a new application by providing basic information and then use the edit mode to choose template, add elements and layers.

Create Cancel

sandbox.mapbender3.org/manager/applications

Mapbender3 - demo - Chromium

Mapbender3 - demo

sandbox.mapbender3.org/manager/application/demo/edit

Mapbender3

v. 3.0.1.0

demo

Base data | Layout | Layers | Security

Template* Fullscreen template

Toolbar

Title	Type	+
No elements added.		

Sidepane

Title	Type	+
No elements added.		

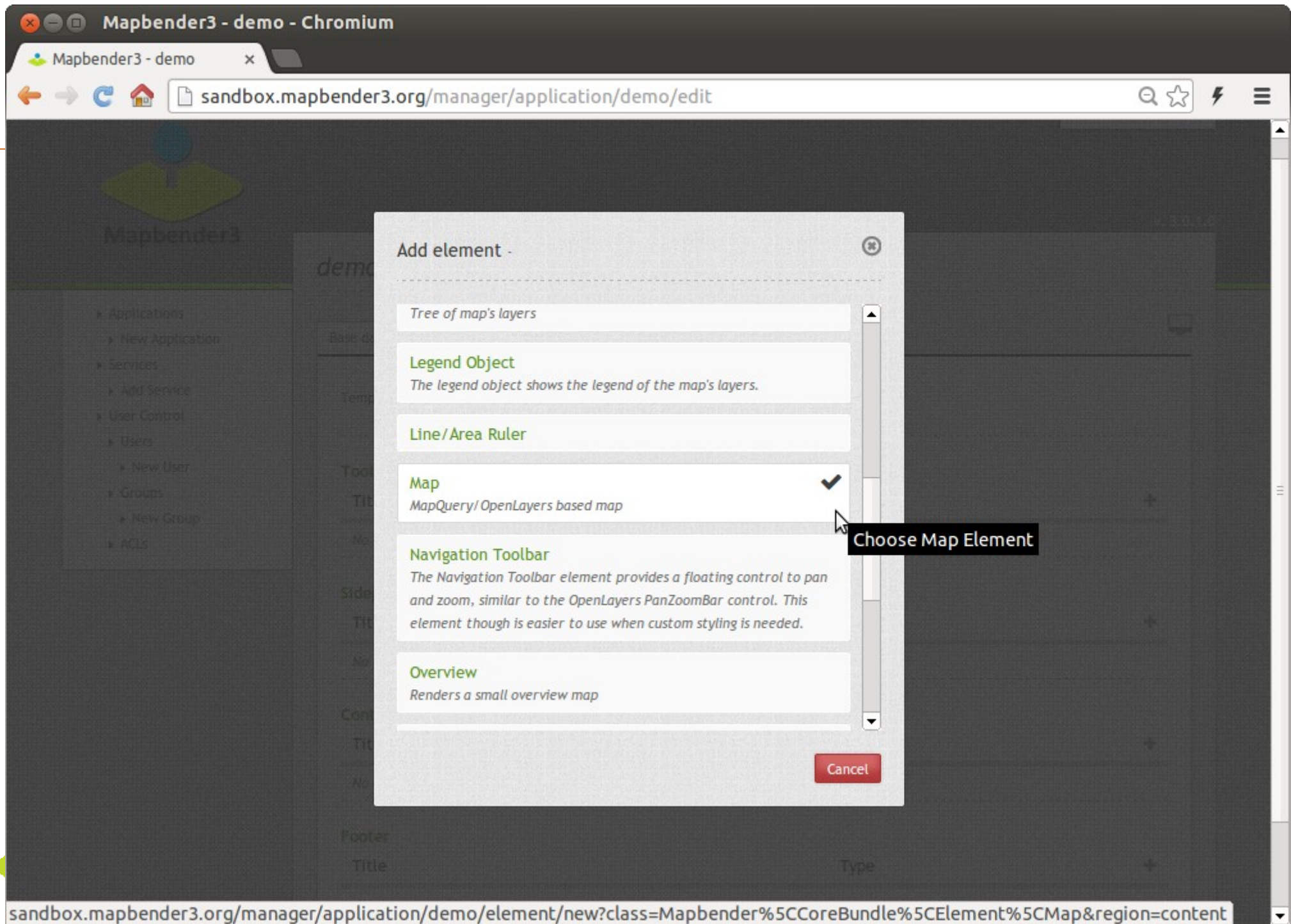
Content

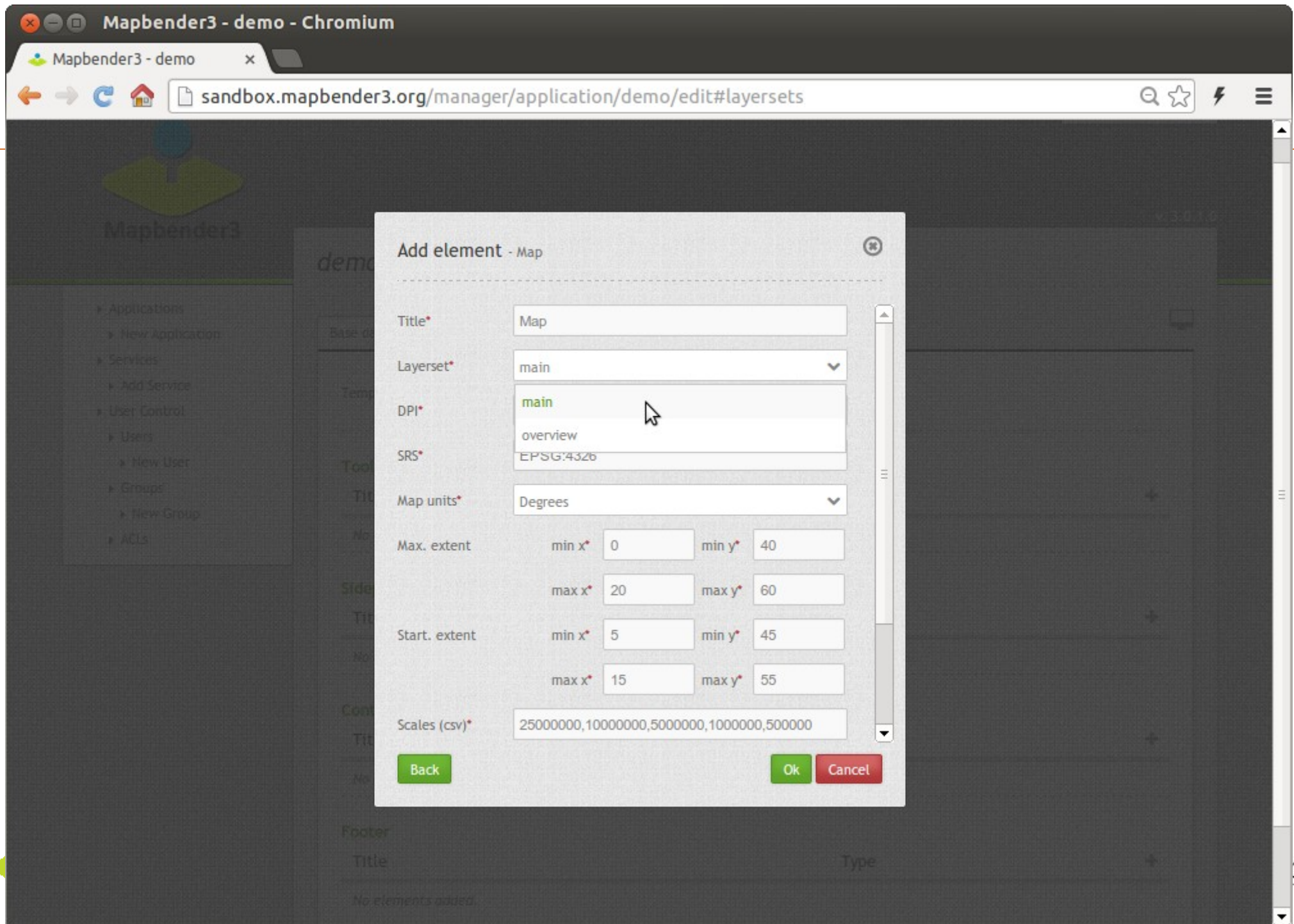
Title	Type	+
No elements added.		

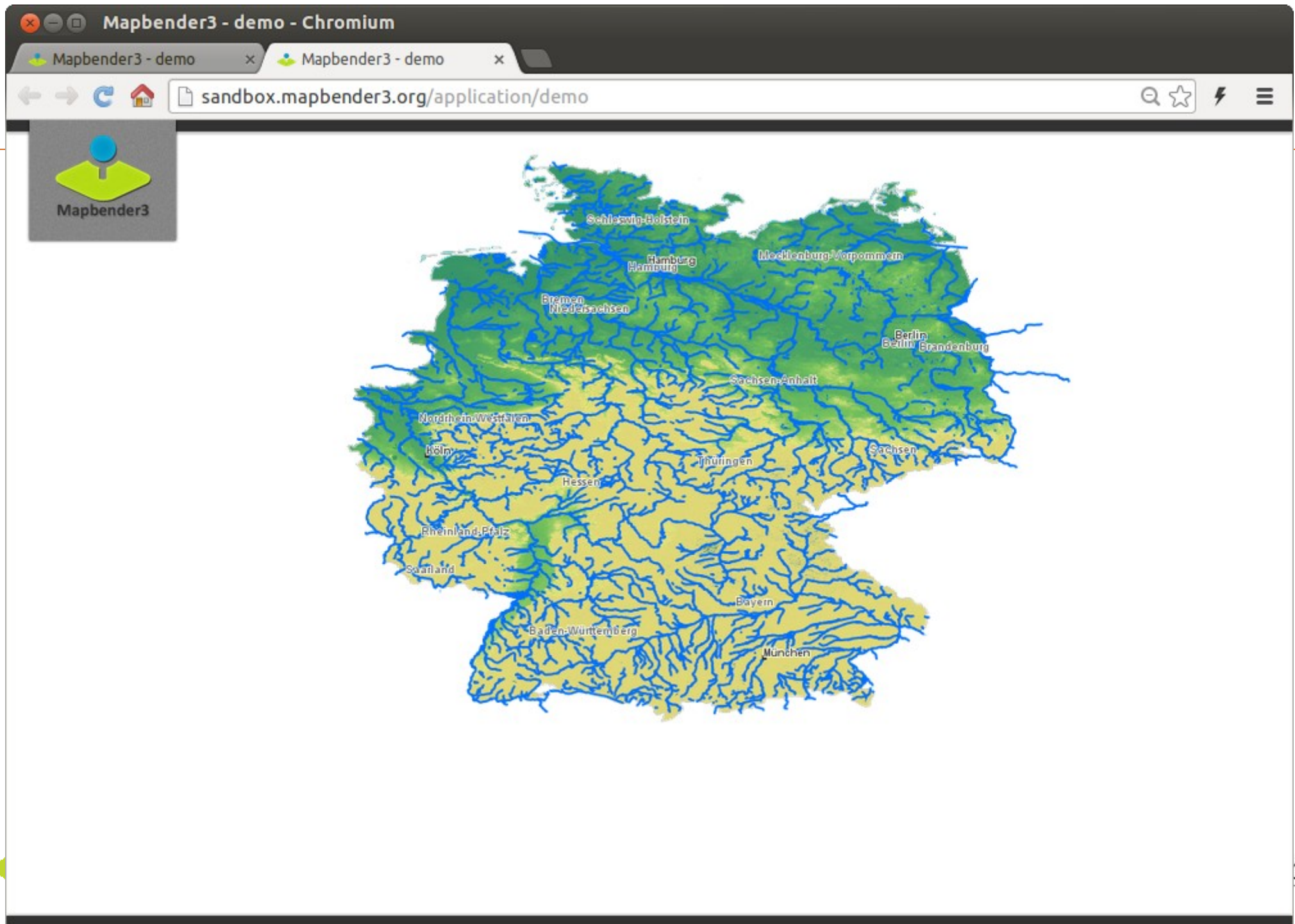
Footer

Title	Type	+
No elements added.		

- Applications
 - New Application
- Services
 - Add Service
- User Control
 - Users
 - New User
 - Groups
 - New Group
 - ACLs



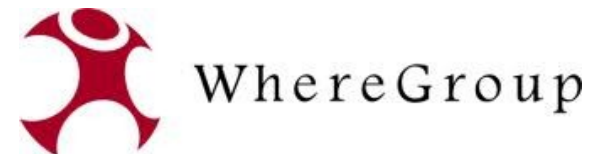






Dienste

Einmaliges Veröffentlichen
Konfiguration
Zugriffskontrolle



Mapbender3 - Add Service - Chromium

Mapbender3 - Add Service x

sandbox.mapbender3.org/manager/repository/new

Logged in as: root

v. 3.0.1.0

Mapbender3

- Applications
 - New Application
- Services
 - Add Service
- User Control
 - Users
 - New User
 - Groups
 - New Group
 - ACLs

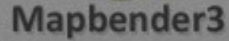
Add Service

OGC WMS

Serviceurl:

Username:

Password:



Filter

+

Germany



Germany

BGS 50000 scale digital geology



Note: This dataset is designed for the 1:50000 scale but can be viewed in this WMS between 1:100000 and 1:25000 (Only). The 1:50 000 DiGMapGB data covering the whole of the United Kingdom is available in this OGC WMS service for your personal, non-commercial use only. Separate bedrock geology, superficial deposits, artificial ground, mass movement deposits and geological linear features layers are available in this service. For information about more of the British Geological Survey's maps that are available digitally please visit <http://www.bgs.ac.uk/products/digitalmaps/digmapgb.html>. These data are delivered under the terms of the Open Government Licence (<http://www.nationalarchives.gov.uk/doc/open-government-licence/>), subject to the following acknowledgement accompanying the reproduced BGS materials: Contains British Geological Survey materials copyright NERC [year]. Contact us if you create something new and innovative that could benefit others using bgsdata@bgs.ac.uk.

British Geological Survey (BGS) 1:625 000 scale digital hydrogeological data



The hydrogeological map indicates aquifer potential in generalised terms using a threefold division of geological formations: those in which intergranular flow in the saturated zone is dominant, those in which flow is controlled by fissures or

Mapbender3 - WMS BGS 50000 scale digital geology - Chromium

Mapbender3 - WMS BGS 5 x

sandbox.mapbender3.org/manager/repository/source/2

Logged in as: root

v. 3.0.1.0

Mapbender3

- Applications
 - New Application
- Services
 - Add Service
- User Control
 - Users
 - New User
 - Groups
 - New Group
 - ACLs

WMS BGS 50000 scale digital geology

Back

Metadata	Contact	Details	Layers
Title:	BGS 50000 scale digital geology		
Name:	OGC:WMS		
Version:	1.1.1		
Origin URL:	http://maps.bgs.ac.uk/ArcGIS/services/BGS_Detailed_Geology/MapServer/WMSServer?service=WMS&version=1.1.1&request=GetCapabilities		
Abstract:	<p>Note: This dataset is designed for the 1:50000 scale but can be viewed in this WMS between 1:100000 and 1:25000 (Only). The 1:50 000 DiGMapGB data covering the whole of the United Kingdom is available in this OGC WMS service for your personal, non-commercial use only. Separate bedrock geology, superficial deposits, artificial ground, mass movement deposits and geological linear features layers are available in this service. For information about more of the British Geological Survey's maps that are available digitally please visit http://www.bgs.ac.uk/products/digitalmaps/digmapgb.html. These data are delivered under the terms of the Open Government Licence (http://www.nationalarchives.gov.uk/doc/open-government-licence/), subject to the following acknowledgement accompanying the reproduced BGS materials: Contains British Geological Survey materials copyright NERC [year]. Contact us if you create something new and innovative that could benefit others usingbgsdata@bgs.ac.uk.</p>		
Online Resource:	http://www.bgs.ac.uk/products/digitalmaps/digmapgb_50.html		
Exception Formats:	application/vnd.ogc.se_xml , application/vnd.ogc.se_inimage , application/vnd.ogc.se_blank		
Fees:	none		
Access constraints:	<p>Note: This dataset is designed for the 1:50000 scale but can be viewed in this WMS between 1:100000 and 1:25000 (Only). These data are delivered under the terms of the Open Government Licence (http://www.nationalarchives.gov.uk/doc/open-government-licence/), subject to the following acknowledgement accompanying the reproduced BGS materials: Contains British Geological Survey materials copyright NERC [year]. Contact us if you create something new and innovative that could benefit others</p>		

Logged in as: root



Mapbender3

v. 3.0.1.0

Wms Instance - Germany

Origin URL

<http://wms.wherogroup.com/cgi-bin/germany.xml?VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS>

Format* image/png ☒ Visible

Infoformat ☐ Proxy

Exceptionformat application/vnd.ogc.se_xml ☒ Transparency

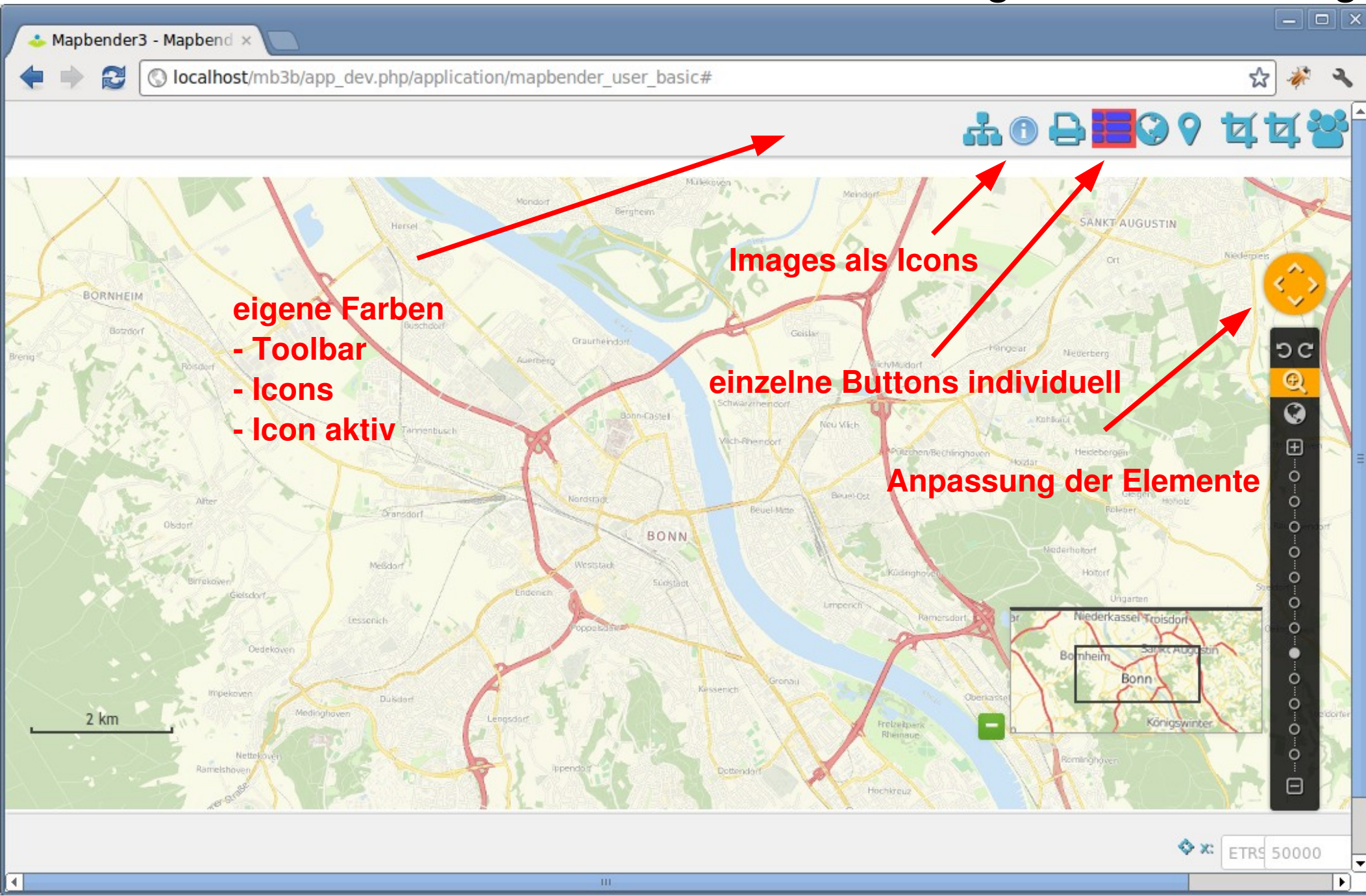
Opacity* 100  ☐ Tiled

Save

Cancel

Title		Minsc	Maxsc	Active	Select		Info		Toggle		Reorder
					allow	on	allow	on	allow	on	
				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="text" value="Germany"/>		<input type="text" value="1"/>	<input type="text" value="9.99999460"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ...
▶ <input type="text" value="topography"/>		<input type="text" value="1"/>	<input type="text" value="9.99999460"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> ...
▶ <input type="text" value="border"/>		<input type="text" value="750000"/>	<input type="text" value="1249999329"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> ...
▶ <input type="text" value="federal states"/>		<input type="text" value="750000"/>	<input type="text" value="7999996"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> ...
▶ <input type="text" value="places"/>		<input type="text" value="0"/>	<input type="text" value="8999995"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> ...

Eigene Anwendung



Rollen



Mapbender3 - New User - Chromium

Mapbender3 - New User x

sandbox.mapbender3.org/manager/user/new

Logged in as: root

v. 3.0.1.0

Mapbender3

- Applications
 - New Application
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 - Add Service
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 - New User
- Groups
 - New Group
- ACLs

New User

Base data Profile Groups Security

Username* Astrid Emde

E-Mail* astrid.emde@wherogroup.com

Choose password:*

Confirm password:*

Create Cancel

Erweiterbare Benutzerinformation

Base data	Profile	Groups	Security
First name	<input type="text" value="Astrid"/>		
Last name	<input type="text" value="Emde"/>		
Notes	<input type="text"/>		
Phone	<input type="text" value="0228-909039-0"/>		
Organization	<input type="text" value="WhereGroup"/>		
Role	<input type="text" value="Author"/> ▼		
Street	<input type="text" value="Eifelstr. 7"/>		
Zip code	<input type="text" value="50119"/>		
City	<input type="text" value="Bonn"/>		
Country	<input type="text" value="Germany"/>		

- Basiseingaben
 - Benutzer
 - Passwort
 - Email
- Profilkategorie mit erweiterter Information
 - nach INSPIRE

Save

Cancel

Mapbender3 - demo - Chromium

Mapbender3 - demo

sandbox.mapbender3.org/manager/application/demo/edit

Logged in as: root

v. 3.0.1.0

Mapbender3




- Applications
 - New Application
- Services
 - Add Service
- User Control
 - Users
 - New User
 - Groups
 - New Group
 - ACLs

demo

Base data Layout Layers **Security**

☐ Publish

Filter

	view	edit	delete	operator	master	owner	
 Astrid Emde	view	edit	delete	operator	master	owner	×
 root	view	edit	delete	operator	master	owner	×
 IS_AUTHENTICATED_ANONYMOUSLY	view	edit	delete	operator	master	owner	×

Save Cancel



Mapbender3

[Download](#)[Home](#) [Was ist Mapbender3?](#) [Los geht's](#) [Dokumentation](#) [Community](#) [Download](#)

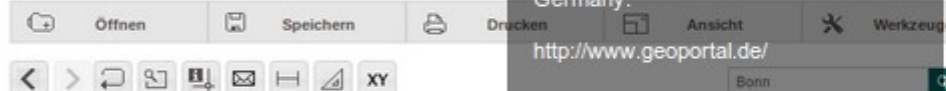
Karten-Client für die Darstellung von
Landkarten, Luftbilder, Themenkarten
und Suchmaschine für Geodaten aus
ganz Deutschland.

Mappingclient for visualization of
maps, aerial views, thematic maps
and search engine for geodata from
Germany.

<http://www.geoportal.de/>

Geoportal » **Karten**

Suche nach Karten:



Willkommen auf mapbender3.org

Willkommen auf der Mapbender3-Seite

Mapbender ist ein Content Management System für Kartenanwendungen und Geodatendienste. Die Software ist in PHP und JavaScript implementiert. Mapbender wird mit vorkonfigurierten Anwendungen zur Anzeige, Navigation und Abfrage von Karten ausgeliefert. Alle Anwendungen können über die Weboberfläche den eigenen Bedürfnissen angepasst oder komplett neu implementiert werden.

Mapbender3 ist der Nachfolger der erfolgreichen Mapbender Version 2 und basiert auf aktuellen Technologien wie dem Web Application Framework Symfony2, JQuery und OpenLayers.

[Weiterlesen](#)

Rapperswil 12.-14. Juni
2013



17.-23.
September
2013



Mapbender ist ein offizielles
OSGeo-Projekt.

Chloh Mapbender

Mapbender.org

Projekt-Wiki zu Mapbender 2
und Mapbender 3:

- Informationen zur Community, PSC ...
- <http://www.mapbender.org>



Table Of Contents

Welcome to Mapbender3's
documentation!

- Indices and tables

Previous topic

Welcome to the Mapbender3
documentation

Next topic

The Book

This Page

Show Source

Quick search

Go

Enter search terms or a module, class
or function name.

Welcome to Mapbender3's documentation!

Contents:

- The Book
 - Installation
 - Git-based installation
 - Concepts
 - Configuring the database
- Bundle Documentation
 - MapbenderCoreBundle
- The Developer's Book
 - Introduction
 - API documentation
 - Understanding Elements
 - Quick primer on using Git
 - Friends of Mapbender

Indices and tables

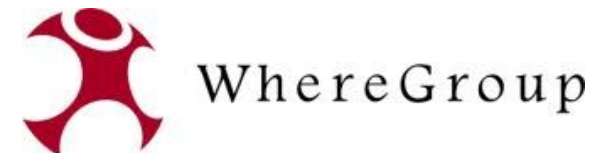
- [Index](#)
- [Module Index](#)
- [Search Page](#)

Hands on



Die Aufgabe

- WMS laden
- Anwendung erzeugen
- Anwendung mit Elementen bestücken
- Anwendung mit WMS bestücken
- Benutzer anlegen
- Anwendung diesem Benutzer zuweisen

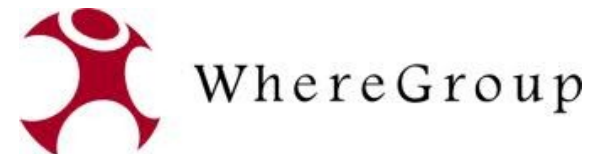


Mapbender3 Quickstart

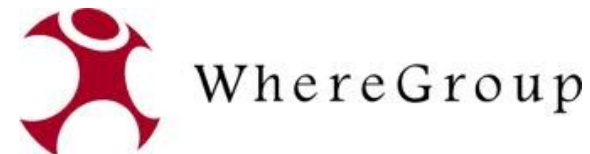
- <http://doc.mapbender3.org/en/book/quickstart.html>

Elementdokumentation

- <http://doc.mapbender3.org/en/bundles/Mapbender/CoreBundle/index.html>

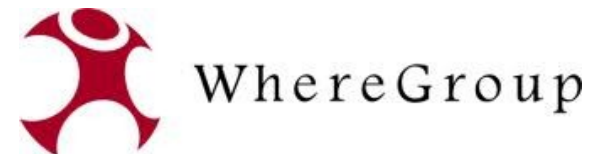


- WMS laden in Version 1.1.1 oder 1.3.0
- <http://osm-demo.wherogroup.com/service?REQUEST=GetCapabilities&Service=WMS&Version=1.1.1>
- <http://wms.wherogroup.com/cgi-bin/germany.xml?VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS>
- http://wms.wherogroup.com/cgi-bin/mapbender_user.xml?VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS
- <http://www.geoportal.de/DE/Geoportal/geoportal.html?lang=de>



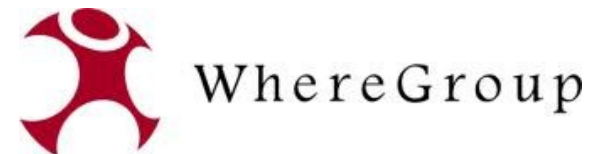
Anwendung erzeugen

- Anwendung mit individuellem Namen z.B. demo erzeugen
- Map-Element in content einfügen
 - EXTENT Deutschland
 - minx 5.6 miny 47.24
 - maxx 15.4 maxy 55.02
 - Maßstäbe kommasepariert angeben
 - 5000000,100000,50000,25000,10000,7500,5000,2500,1000,500
 - Projektionen angeben z.B. EPSG:4326



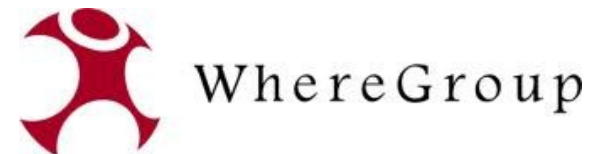
WMS zu Anwendung hinzufügen

- Layerset für Map und ggf. Overview anlegen
- Geladenen WMS in Layerset einfügen
- Ggf. Layer konfigurieren



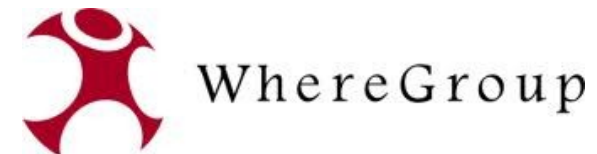
Anwendung mit Elementen bestücken

- Infos zu den Elementen gibt es unter
 - <http://doc.mapbender3.org/en/bundles/Mapbender/CoreBundle/>
- Legende, Overview, Measure usw.
- Achtung: Elemente brauchen oft einen Button, um sie zu aktivieren



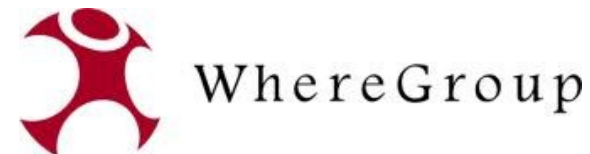
Benutzer anlegen

- Benutzer mit Ihrem Namen oder dem Namen Schulung anlegen



Anwendung User zuweisen

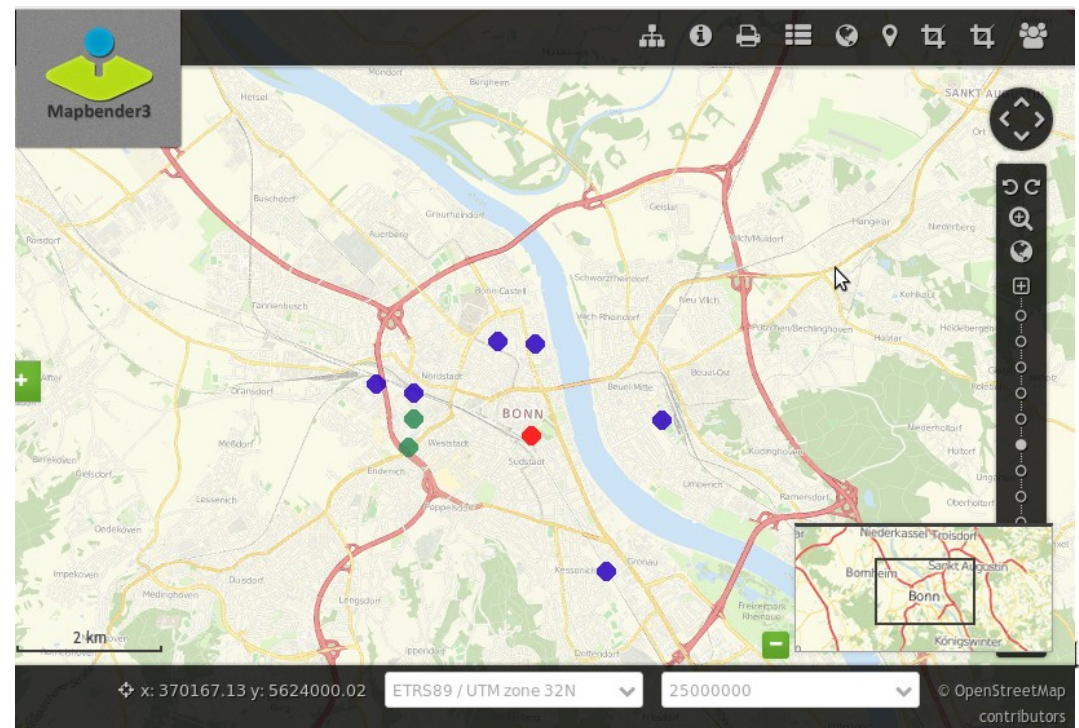
- Über Application → Stift → Application Security
- + → User auswählen → Recht view zuweisen
- Test der Freigabe über Anmeldung als Benutzer Schulung



Mapbender3 Demo

Testen Sie Mapbender3

<http://mapbender3.org/demo/>



Installieren Sie Mapbender3 über das Download Paket

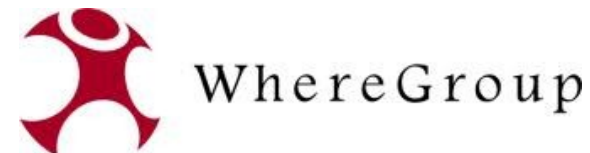
<http://mapbender3.org/builds/>

Oder über Git-Repositories

<https://github.com/mapbender/mapbender-starter>

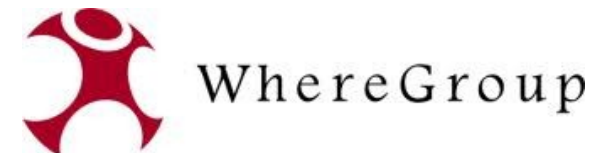
Dokumentation zur Installation

<http://doc.mapbender3.org>



Wo finden Sie uns?

- <http://mapbender3.org>
- Mapbender3 Code <http://github.com/mapbender>
- Roadmap <http://mapbender3.org/de/roadmap>
- Milestones / Bugtracker
<https://github.com/mapbender/mapbender/issues>
- <http://osgeo.org/mapbender>



Vielen Dank für ihre Aufmerksamkeit

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