



Mapbender3 - was gibt's Neues im Projekt

Astrid Emde
FOSSGIS 2014 Berlin



Astrid Emde

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





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

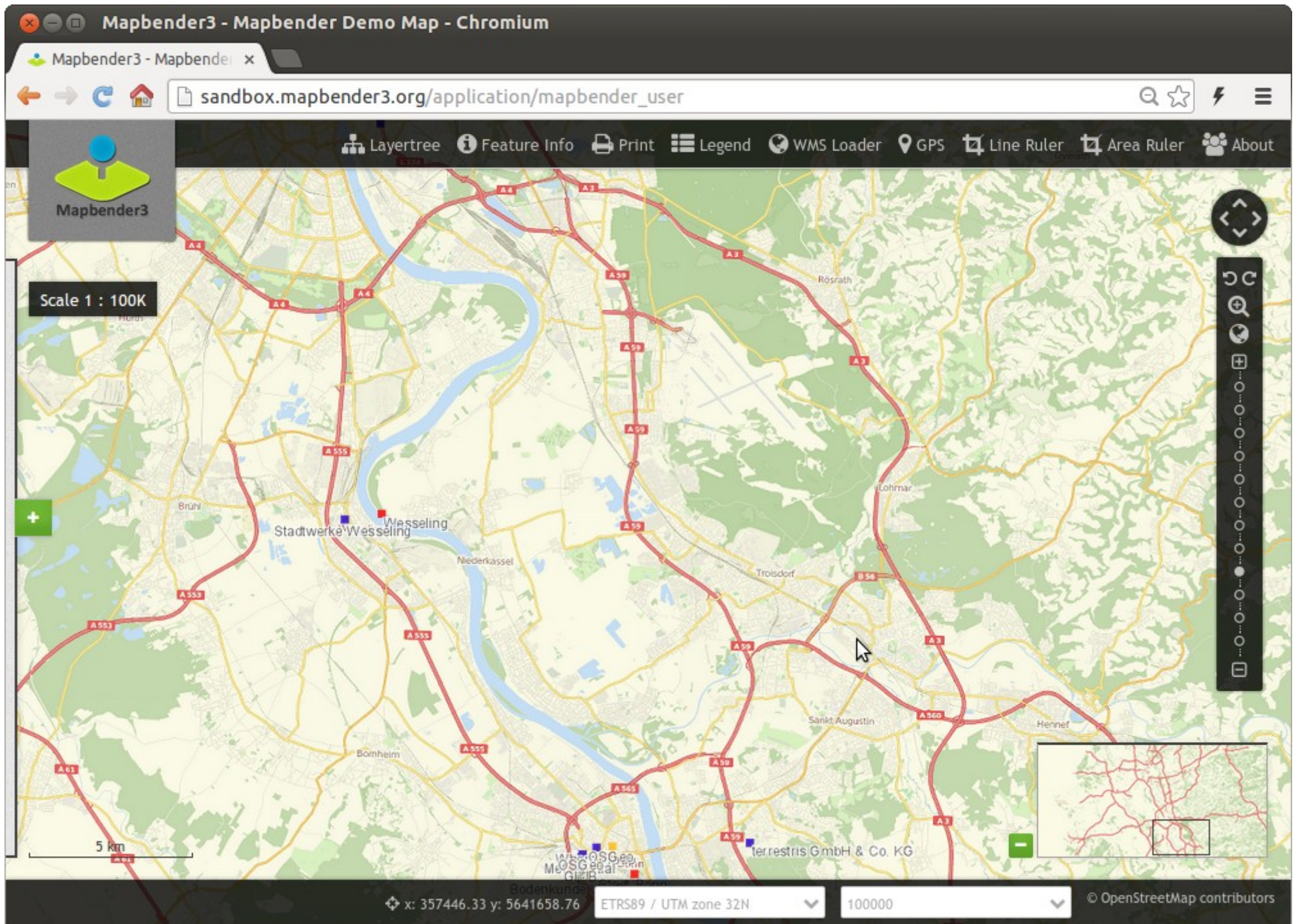


Welche Komponenten nutzt Mapbender3?

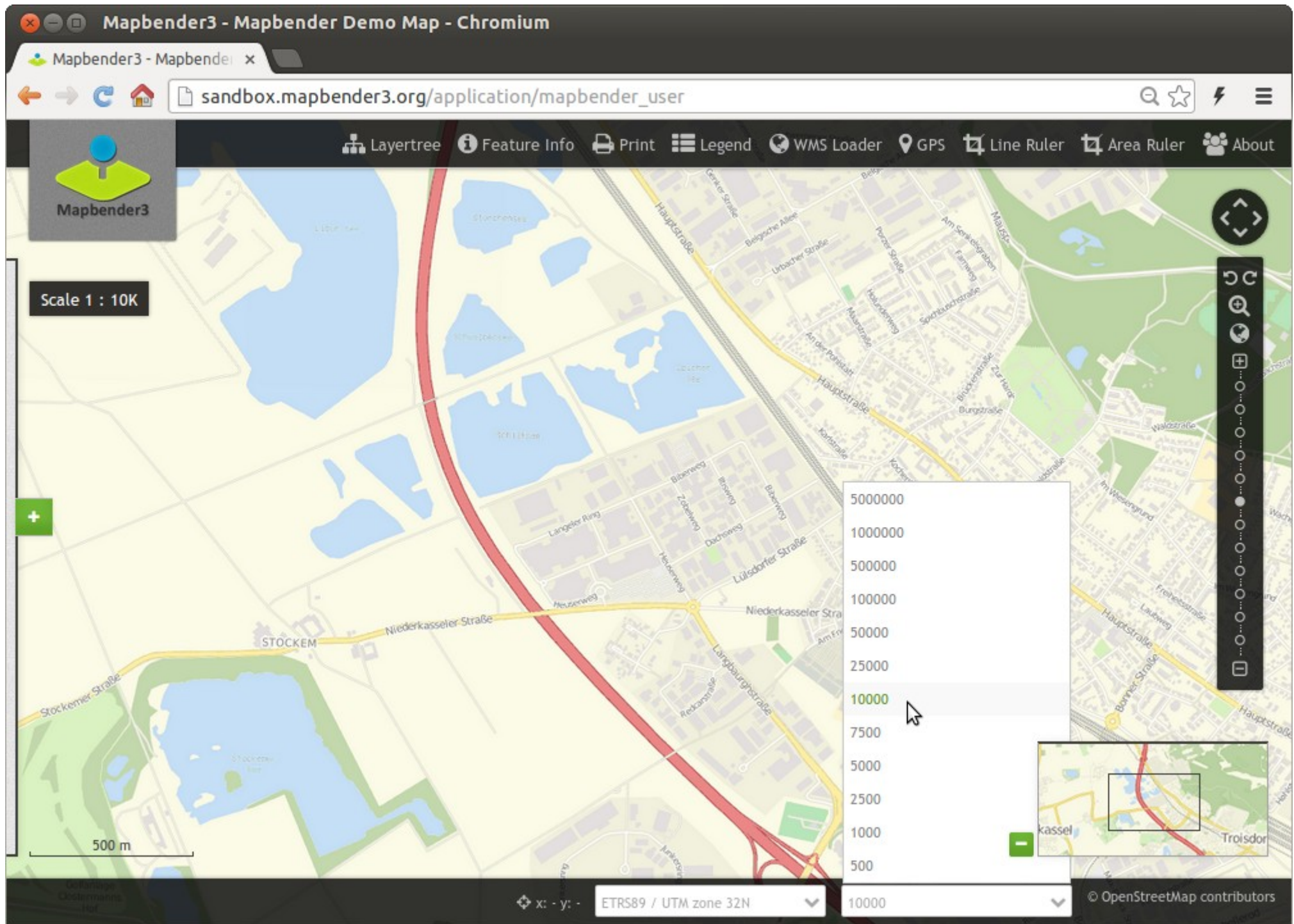
- **Symfony2 als PHP Framework**
 - **Doctrine, Twig, Monolog, Bootstrap...**
 - **Bundles**
- **OpenLayers**
- **MapQuery**
- **jQuery**
- **SQLite, PostgreSQL, MySQL, Oracle Datenbank**



Anwendungen



Mapbender3 Astrid Emde FOSSGIS 2014 Berlin





Scale 1 : 6341



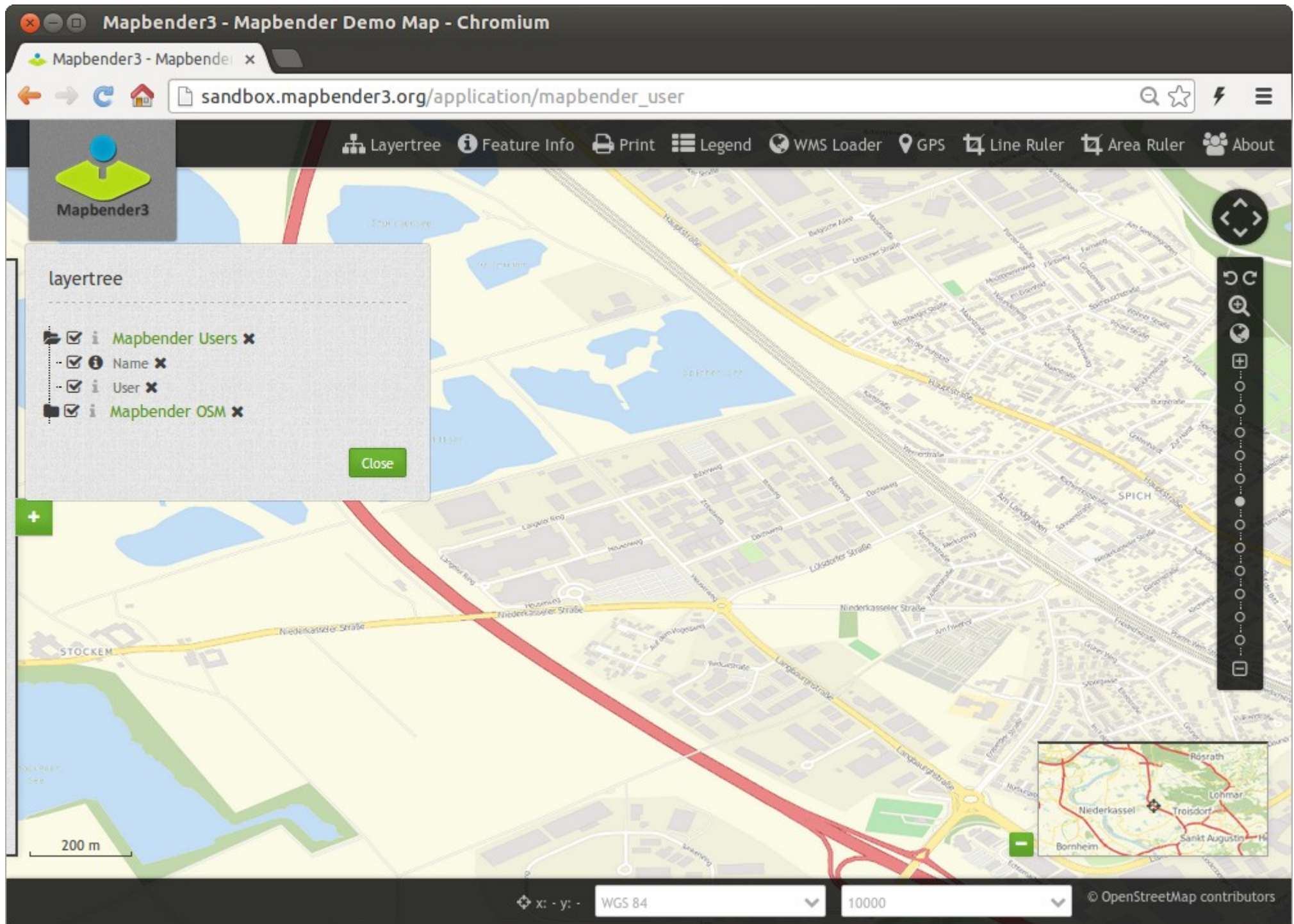
200 m

- ETRS89 / UTM zone 32N
- ETRS89 / UTM zone 33N
- DHDN / 3-degree Gauss-Kruger zone 2
- DHDN / 3-degree Gauss-Kruger zone 3
- WGS 84**

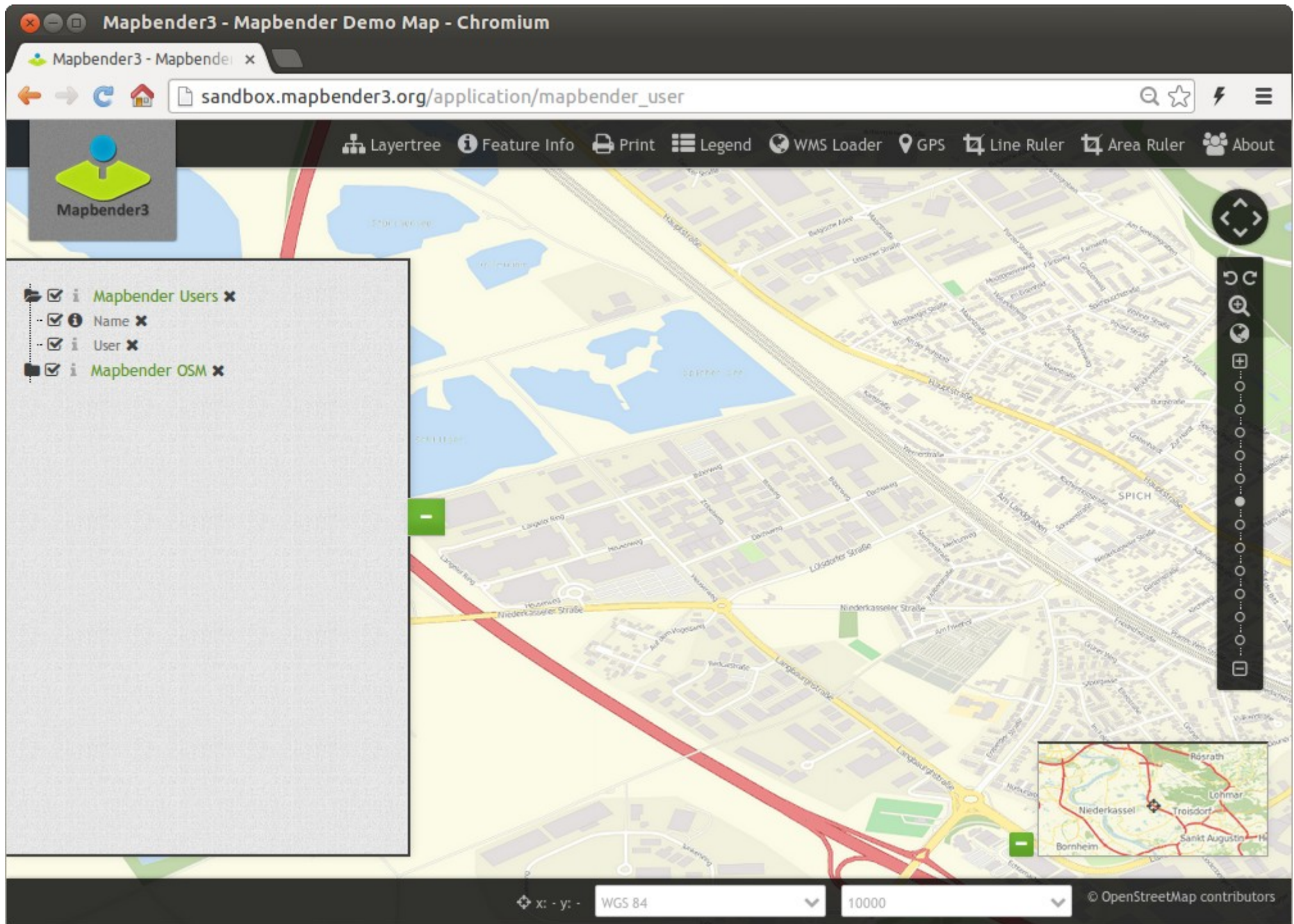
WGS 84

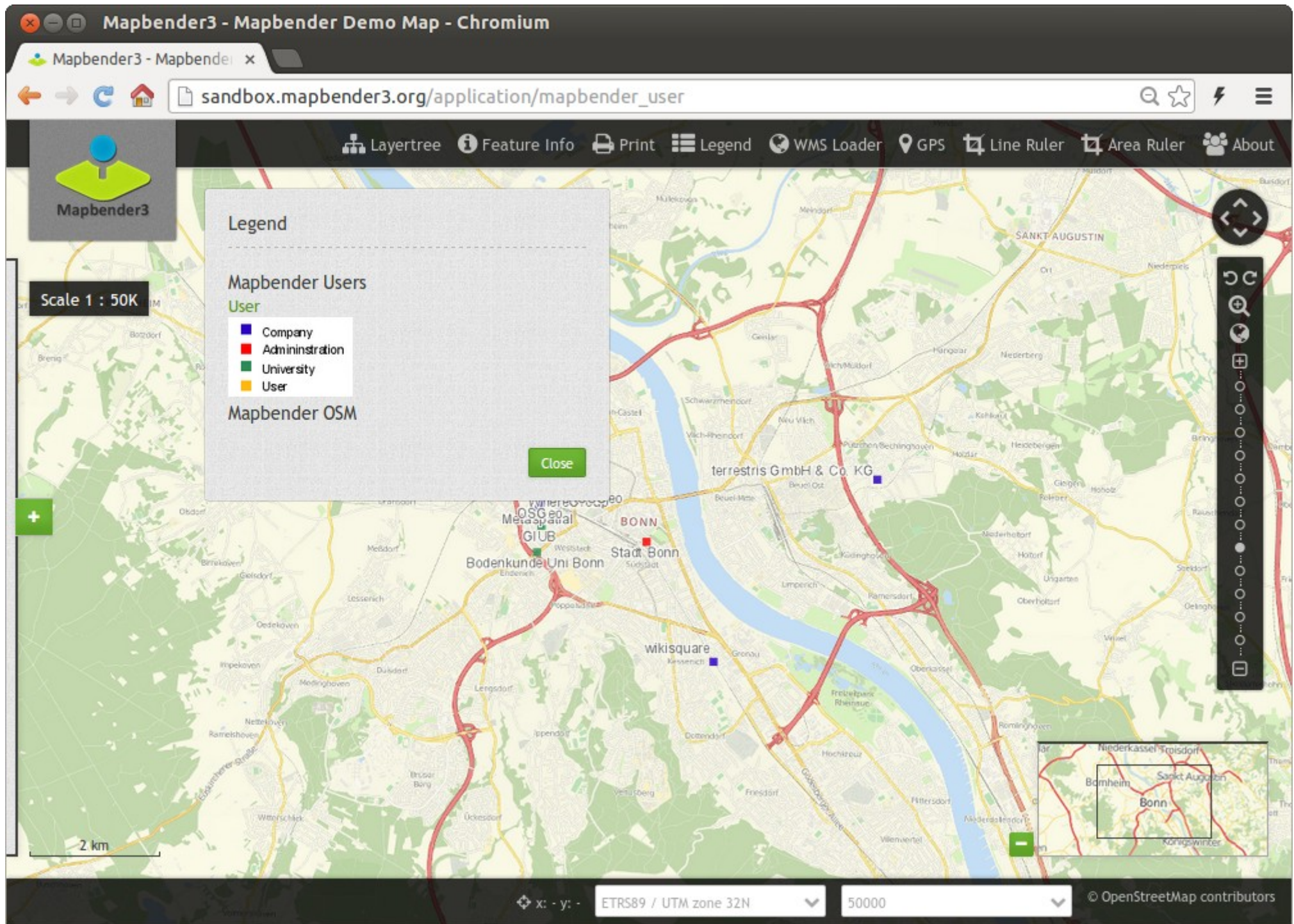
10000

© OpenStreetMap contributors

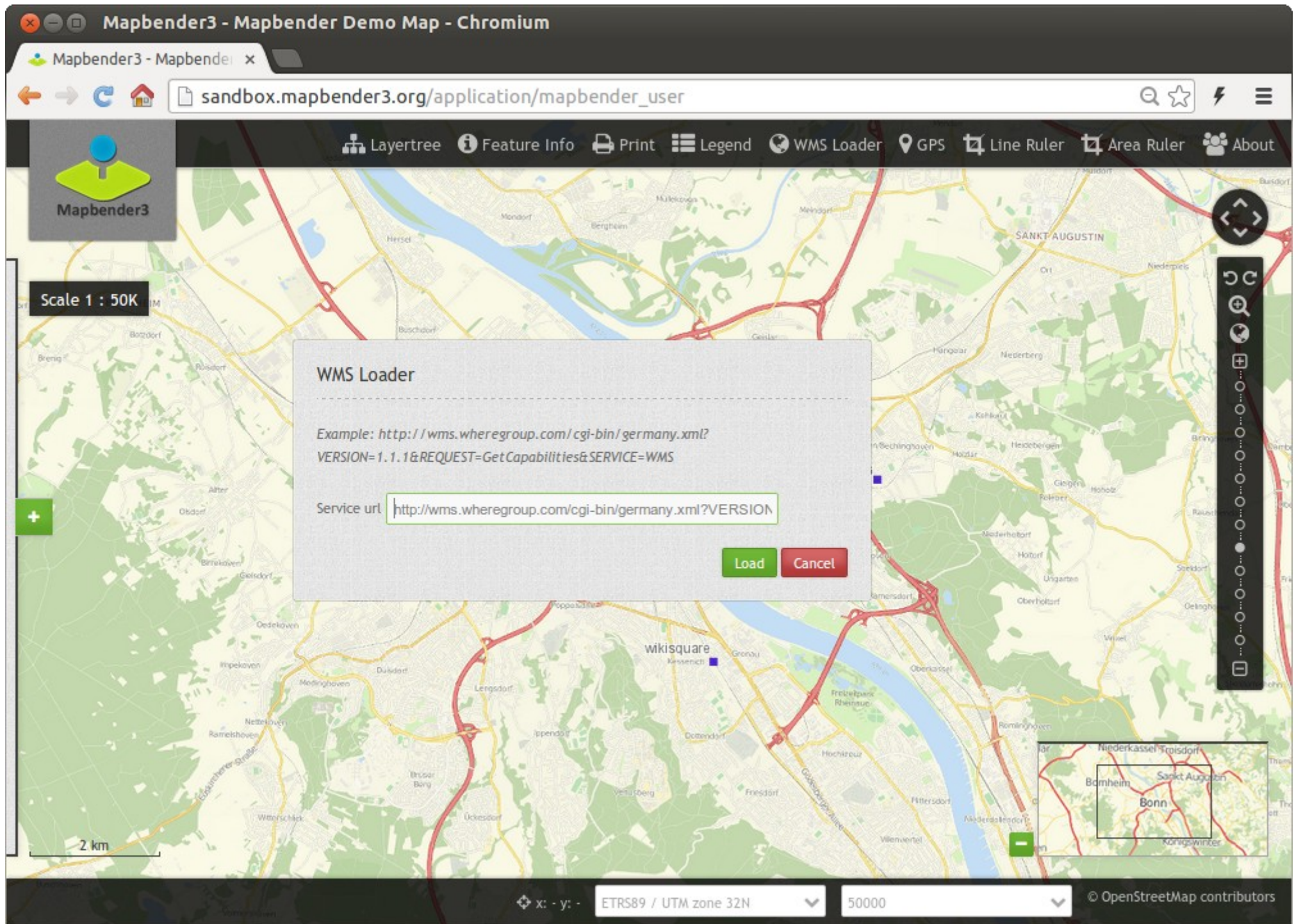


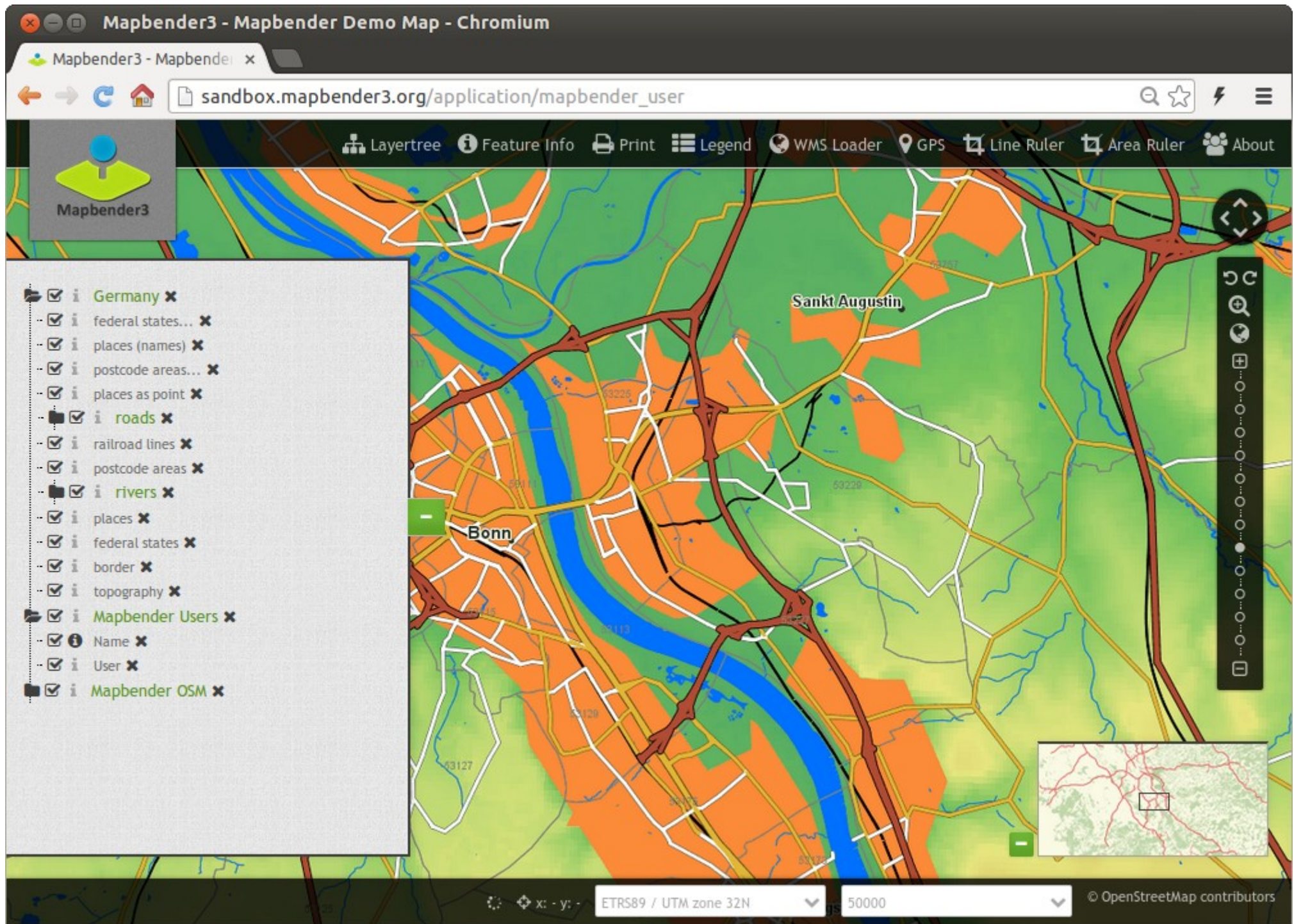
Mapbender3 Astrid Emde FOSSGIS 2014 Berlin

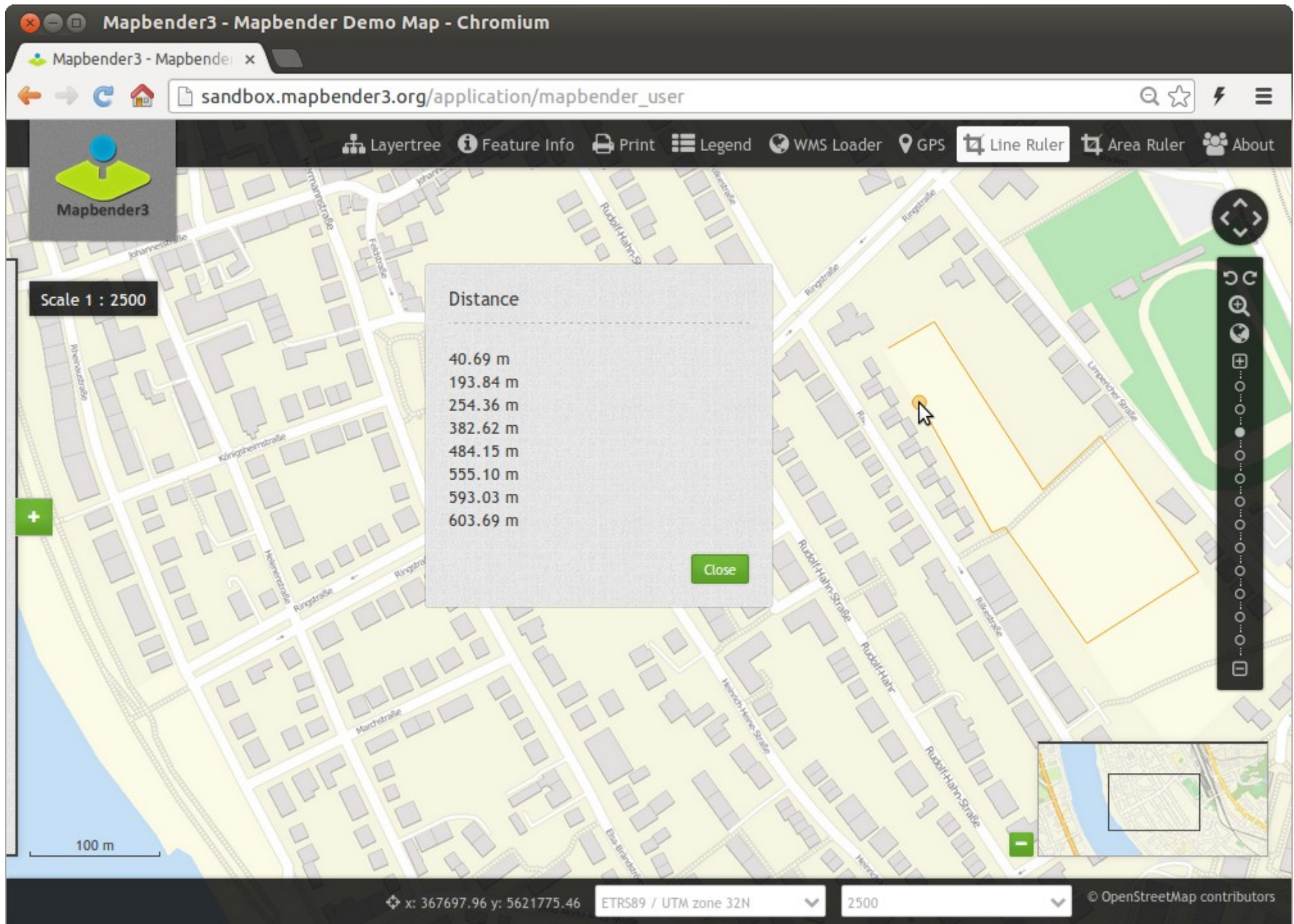


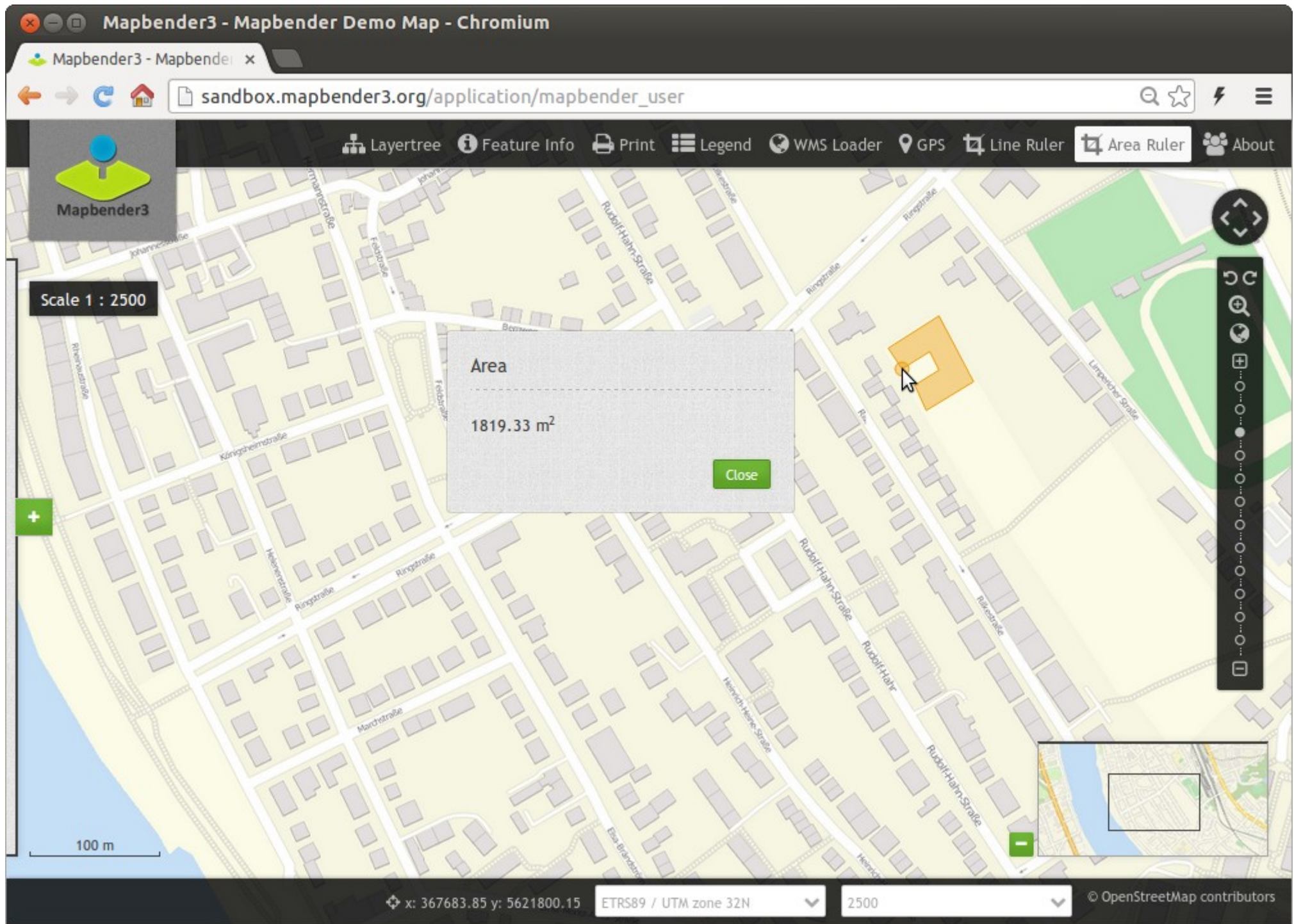


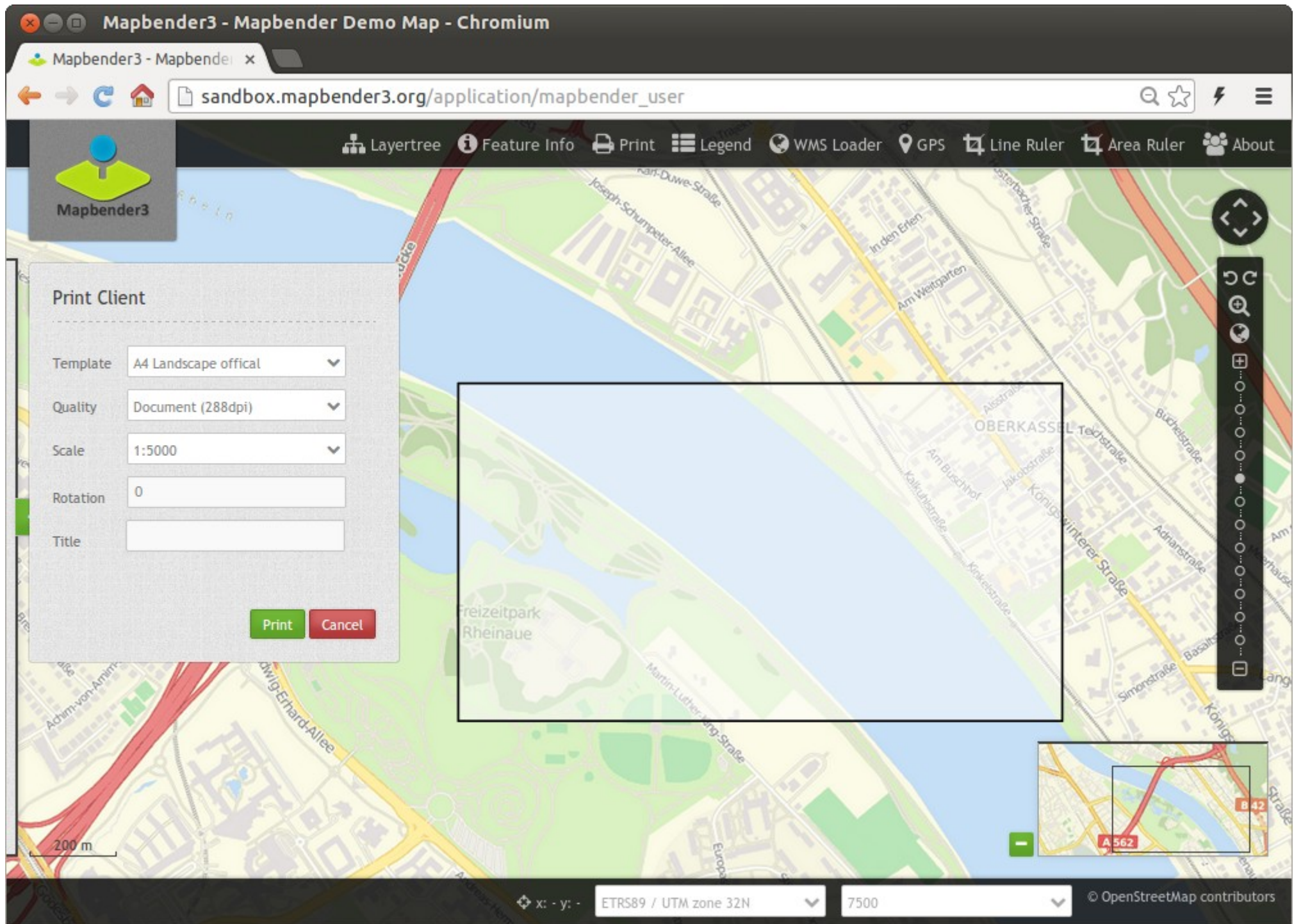
Mapbender3 Astrid Emde FOSSGIS 2014 Berlin

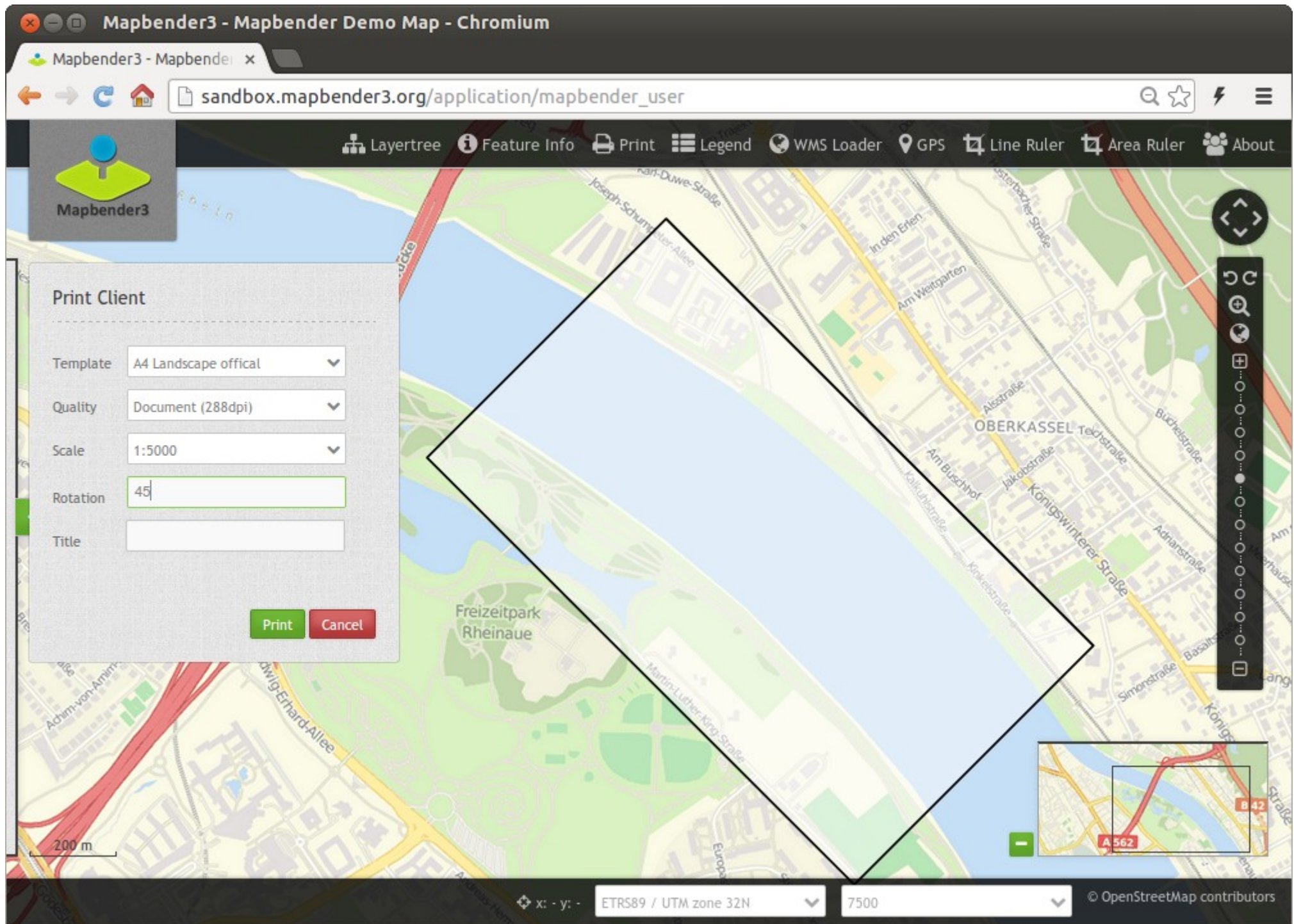








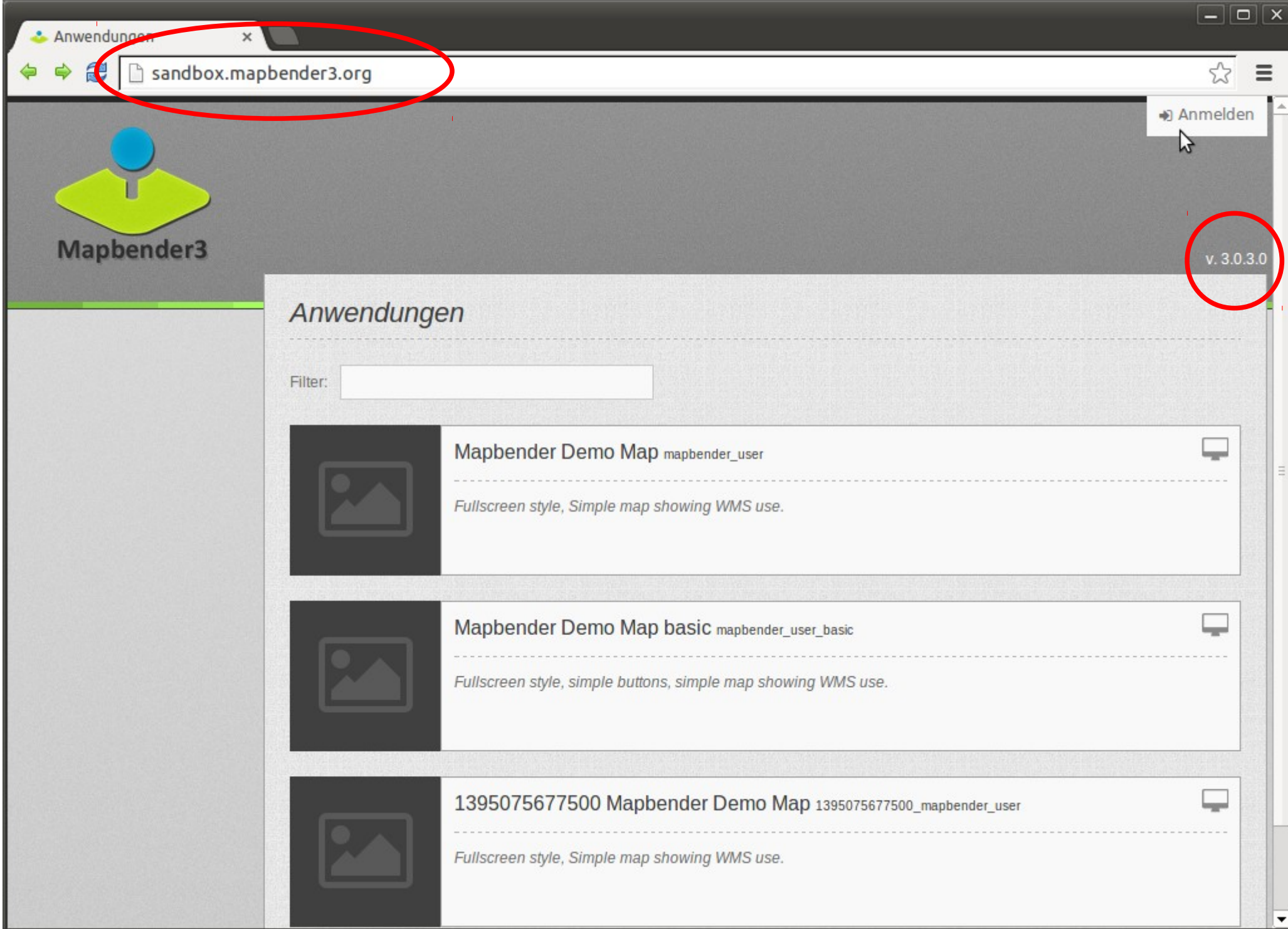








Erzeugen Sie Ihre eigene Anwendung





Anmeldung

- **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, there are two links: "Register" and "Forgot password?". To the right of these links is a green "Login" button.

Mapbender3 - Applications - Chromium

Mapbender3 - Application x

sandbox.mapbender3.org/manager/applications

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

Applications


Filter:

	Mapbender Demo Map mapbender_user <i>Fullscreen style, Simple map showing WMS use.</i>	
	Mapbender Demo Map basic mapbender_user_basic <i>Fullscreen style, simple buttons, simple map showing WMS use.</i>	
	1378996 Mapbender Demo Map 1378996_mapbender_user <i>Fullscreen style, Simple map showing WMS use.</i>	    
	13789 Mapbender Demo Map basic 13789_mapbender_user_basic <i>Fullscreen style, simple buttons, simple map showing WMS use.</i>	    

Anwendung anlegen

sandbox.mapbender3.org/manager/application/new

Angemeldet als: root



Mapbender3

v. 3.0.3.0

Anwendungen

Neue Anwendung

Datenquelle

Neue Datenquelle

Benutzerverwaltung

Benutzer

Neuer Benutzer

Gruppen

Neue Gruppe

Berechtigungen ACLs

Anwendung anlegen

Basisdaten

Sicherheit

Template*

Fullscreen

Title*

demo

URL title*

demo

Description

FOSSGIS 2014 Vortrag Demo Anwendung

Erstellen Sie zunächst eine neue Anwendung mit Basisinformationen. Danach können Sie die Anwendung bearbeiten und Elemente sowie Layersets einzufügen.

Speichern

Abbrechen

Mapbender3 Astrid Emde FOSSGIS 2014 Berlin

Anwendungen x

sandbox.mapbender3.org/manager/applications







Angemeldet als: root

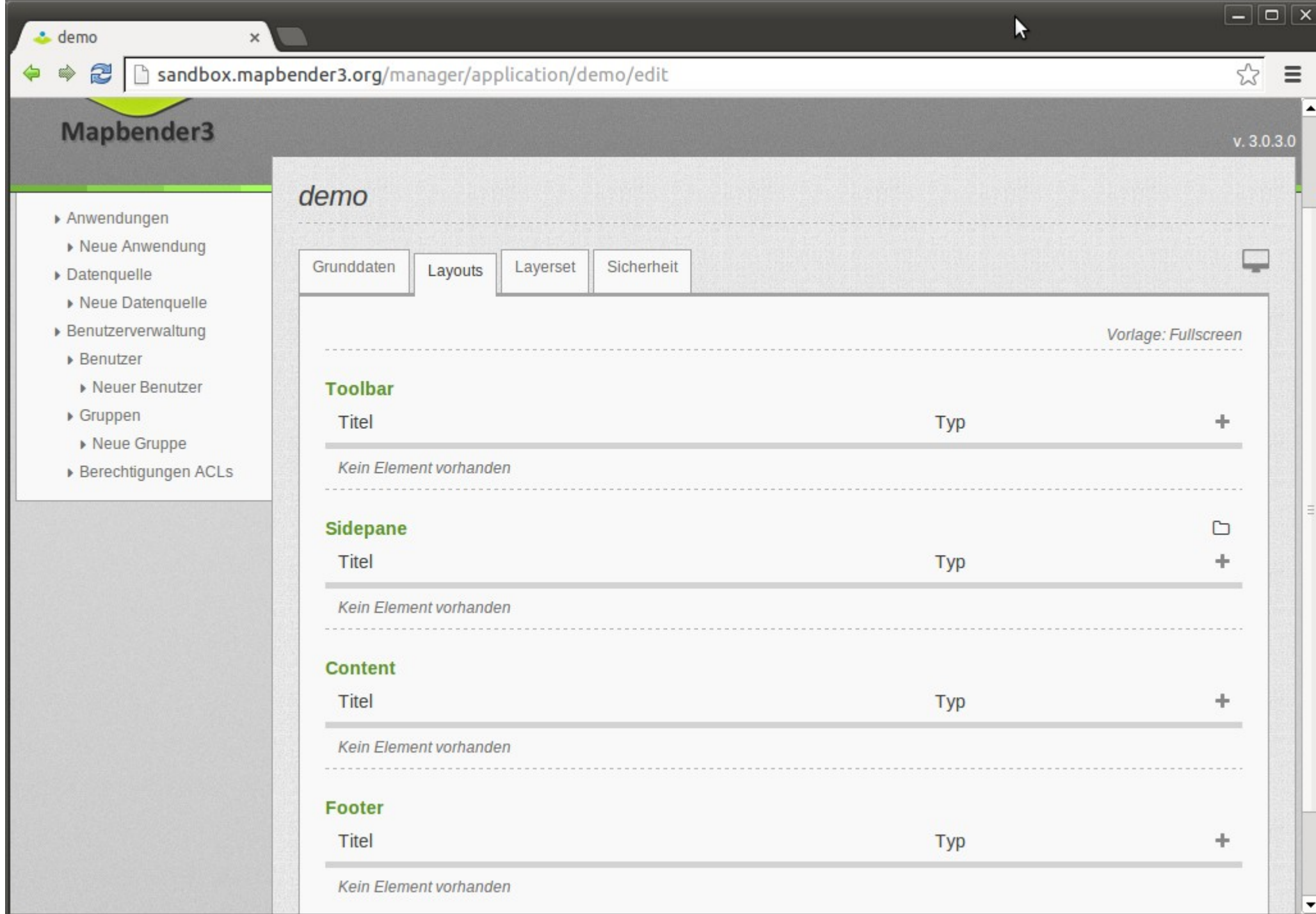
Mapbender3 v. 3.0.3.0

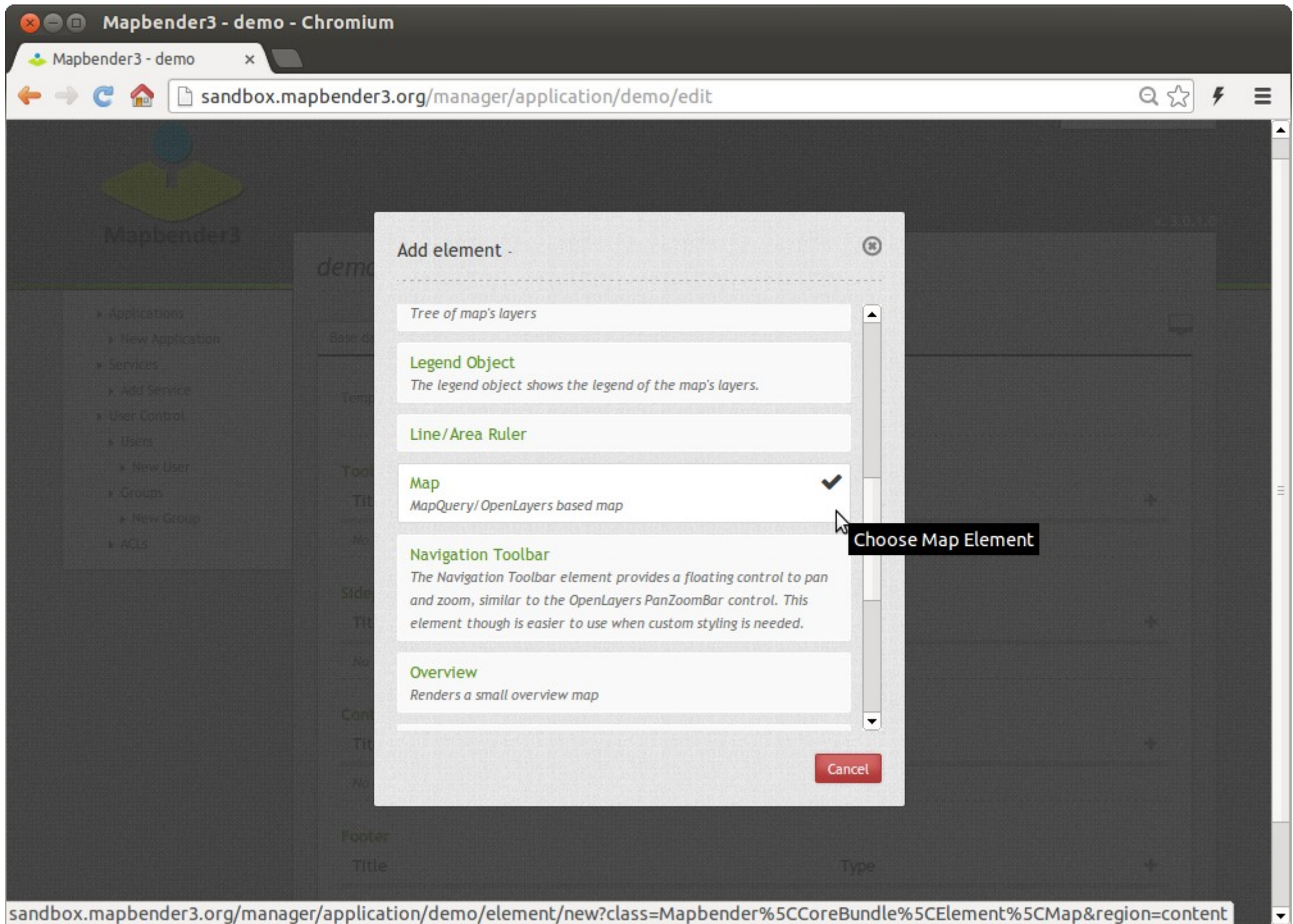
- Anwendungen
 - Neue Anwendung
- Datenquelle
 - Neue Datenquelle
- Benutzerverwaltung
 - Benutzer
 - Neuer Benutzer
 - Gruppen
 - Neue Gruppe
 - Berechtigungen ACLs

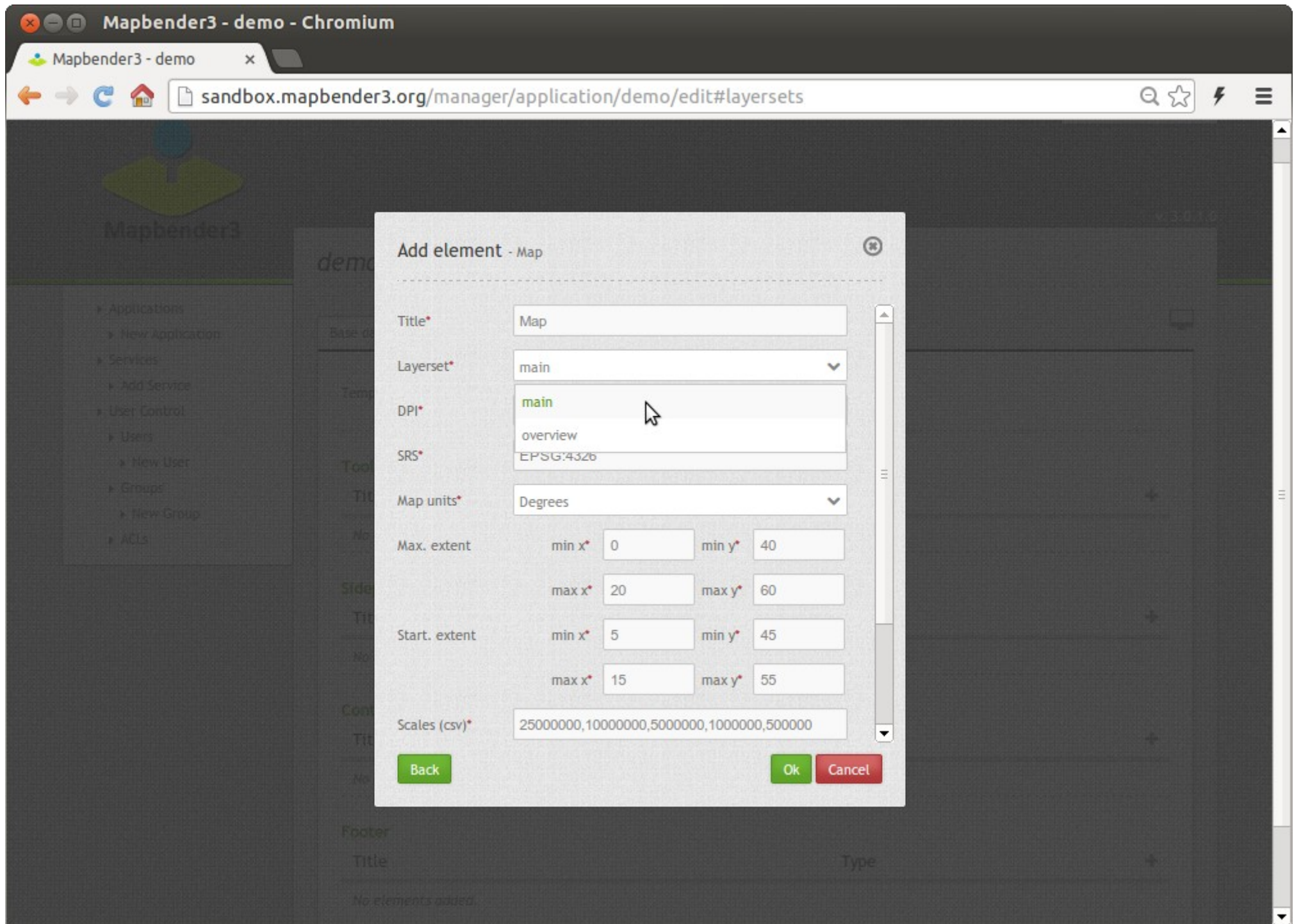
Anwendungen

Filter: FOSSG

	demo demo FOSSGIS 2014 Vortrag Demo Anwendung	    
---	---	---







demo x Mapbender3 - demo x

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

Mapbender3 v. 3.0.3.0

- Anwendungen
 - Neue Anwendung
- Datenquelle
 - Neue Datenquelle
- Benutzerverwaltung
 - Benutzer
 - Neuer Benutzer
 - Gruppen
 - Neue Gruppe
 - Berechtigungen ACLs

demo

Grunddaten Layouts **Layerset** Sicherheit

Vorlage: Fullscreen

Toolbar

Titel	Typ	+
Kein Element vorhanden		

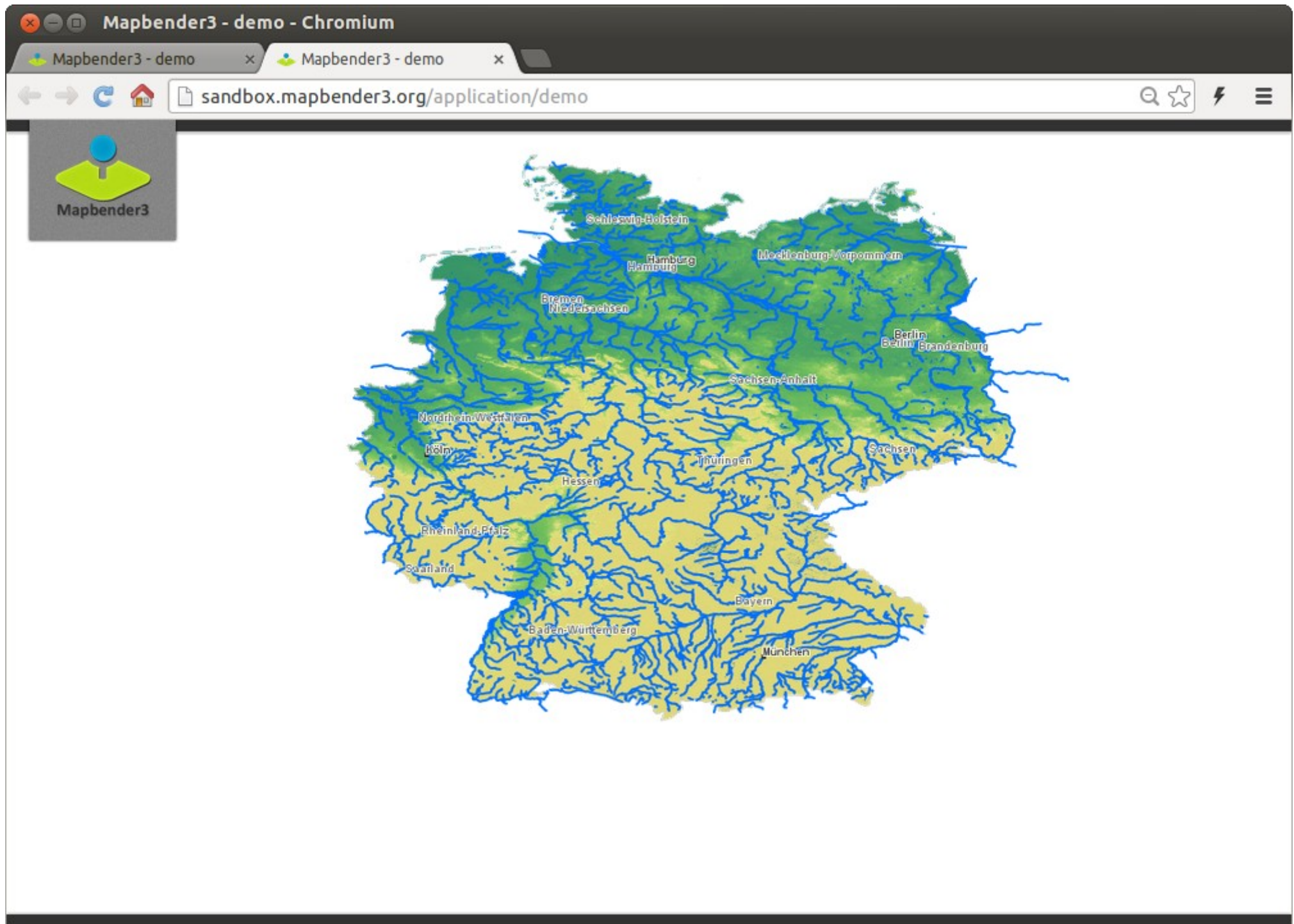
Sidepane

Titel	Typ	+
Kein Element vorhanden		

Content

Titel	Typ	+
Karte (map)	Karte (map)	

Acl Element






Dienste

**Einmaliges Veröffentlichen
Konfiguration
Zugriffskontrolle**

Datenquelle f hinzufügen x

sandbox.mapbender3.org/manager/repository/new

Angemeldet als: root v

 **Mapbender3** v. 3.0.3.0

- Anwendungen
 - Neue Anwendung
- **Datenquelle**
 - **Neue Datenquelle**
- Benutzerverwaltung
 - Benutzer
 - Neuer Benutzer
 - Gruppen
 - Neue Gruppe
 - Berechtigungen ACLs

Datenquelle hinzufügen

OGC WMS

Dienste-URL

Benutzername

Passwort

sandbox.mapbender3.org/manager/repository/new

Mapbender3 - Services - Chromium

Mapbender3 - Services x

sandbox.mapbender3.org/manager/repository

Logged in as: root

v. 3.0.1.0

Mapbender3

- Applications
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Services

Filter

- 1 WMS

Germany

Germany
- 2 WMS

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.
- 3 WMS

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

Metadata Contact Details Layers Back

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

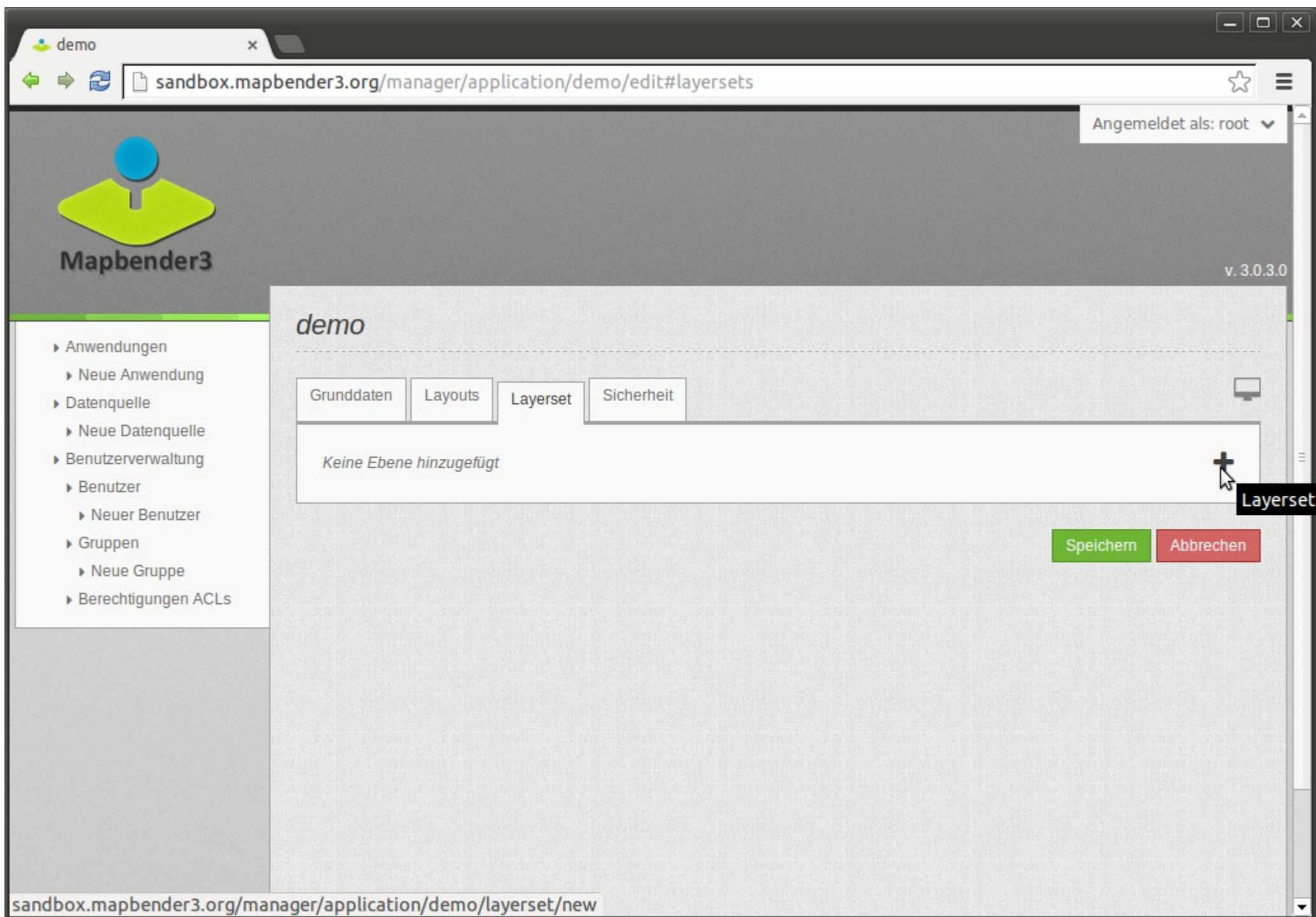
Abstract: Note: This dataset is designed for the 1:50000 scale but can be viewed in this WMS between 1:100000 and 1:25000 (Only). The 1:50 000 DiGMapGB data covering the whole of the United Kingdom is available in this OGC WMS service for your personal, non-commercial use only. Separate bedrock geology, 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.

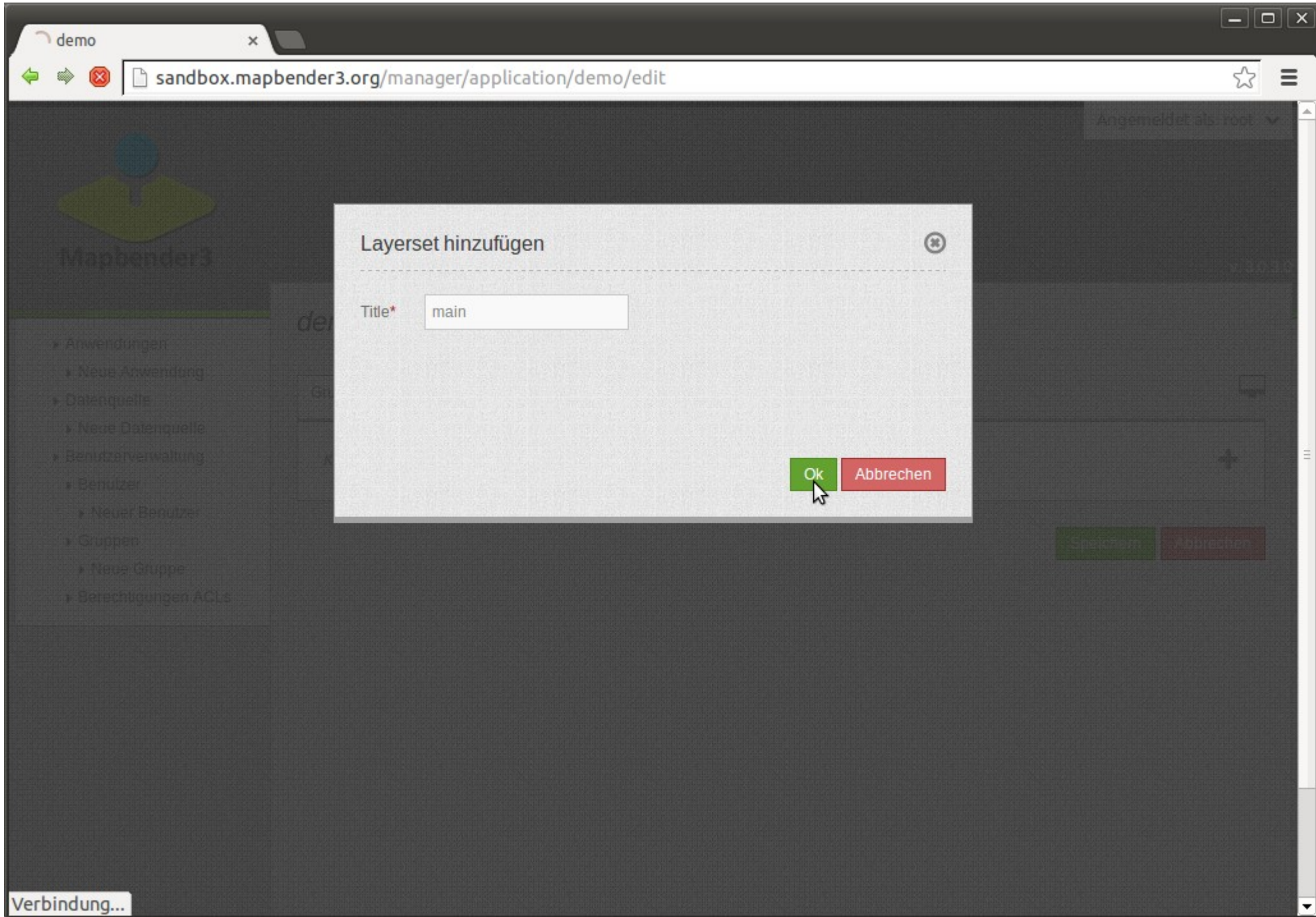
Online Resource: http://www.bgs.ac.uk/products/digitalmaps/digmapgb_50.html

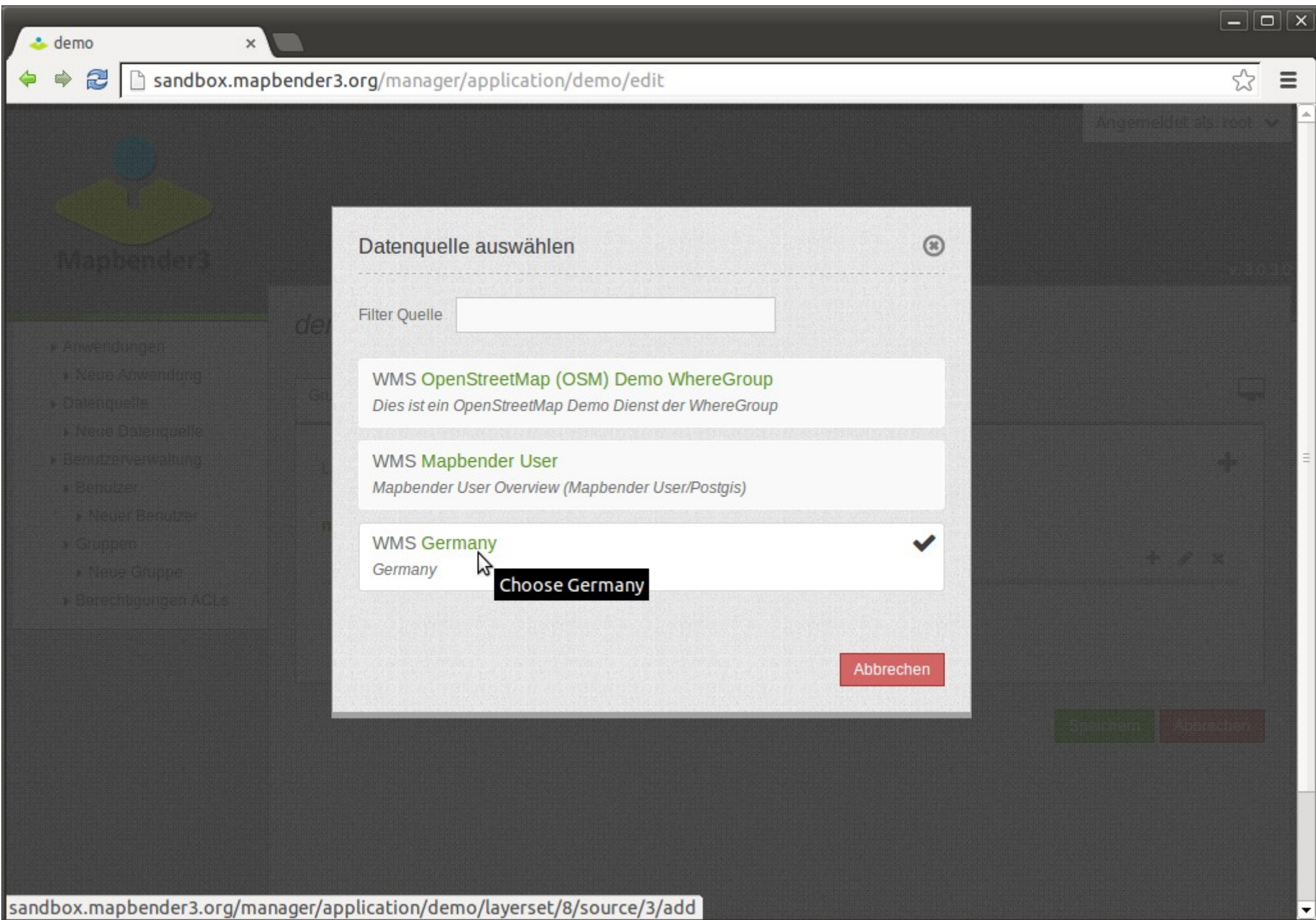
Exception Formats: application/vnd.ogc.se_xml , application/vnd.ogc.se_inimage , application/vnd.ogc.se_blank

Fees: none

Access constraints: 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







WMS Instanz - Germany

[←](#)
[→](#)
[↺](#)
[📄](#)
[sandbox.mapbender3.org/manager/repository/application/demo/instance/10](#)

Anwendungen

Neue Anwendung

Datenquelle

Neue Datenquelle

Benutzerverwaltung

Benutzer

Neuer Benutzer

Gruppen

Neue Gruppe

Berechtigungen ACLs

WMS Instanz - Germany

Ursprungs-URL

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

Format*

image/png

Infoformat

text/html

Exceptionformat

application/vnd.ogc.se_xml

Opacity*

100

☒ Sichtbarkeit

☒ Basesource

☐ Proxy

☒

Transparenz

☐ gekachelt

Speichern


Abbrechen

Titel	Minimaler Maßstab	Maximaler Maßstab	aktiv	ausgewählt		Info		aufklappen		sortieren	
				erlauben	an	erlauben	an	erlauben	an	erlauben	
Germany	1	9.999994600C	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	...
▶ topography	1	9.999994600C	<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"/>	...
▶ border	750000	1249999325	<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"/>	...
▶ federal states	750000	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"/>	...

demo
x

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

Angemeldet als: root



Mapbender3

v. 3.0.3.0

- Anwendungen
 - Neue Anwendung
- Datenquelle
 - Neue Datenquelle
- Benutzerverwaltung
 - Benutzer
 - Neuer Benutzer
 - Gruppen
 - Neue Gruppe
 - Berechtigungen ACLs

demo

Grunddaten

Layouts

Layerset

Sicherheit

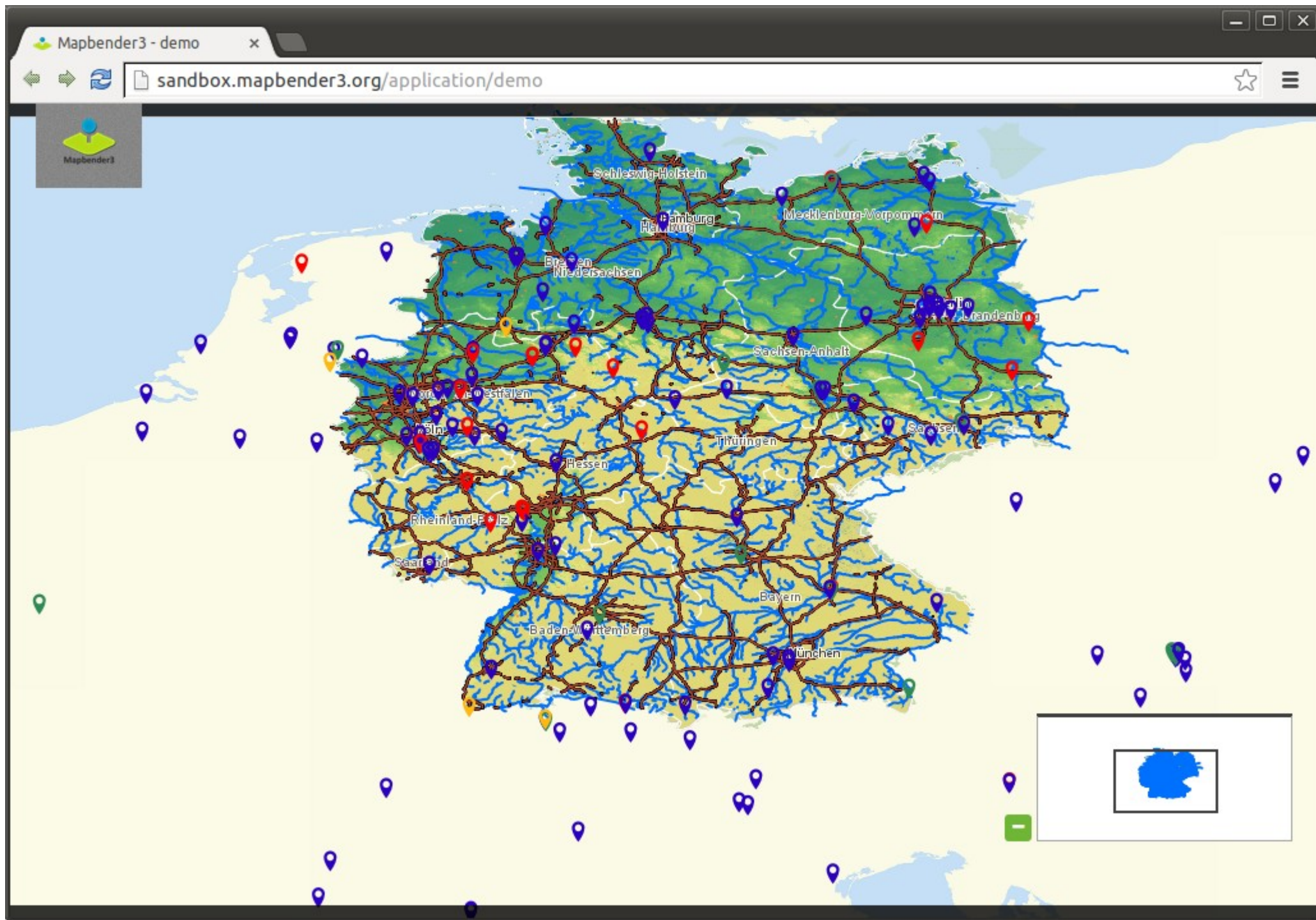
Layerset Filter

main

Id	Titel	Typ	+		x
2	Mapbender User	WMS			
3	Germany	WMS			
1	OpenStreetMap (OSM) Demo WhereGroup	WMS			

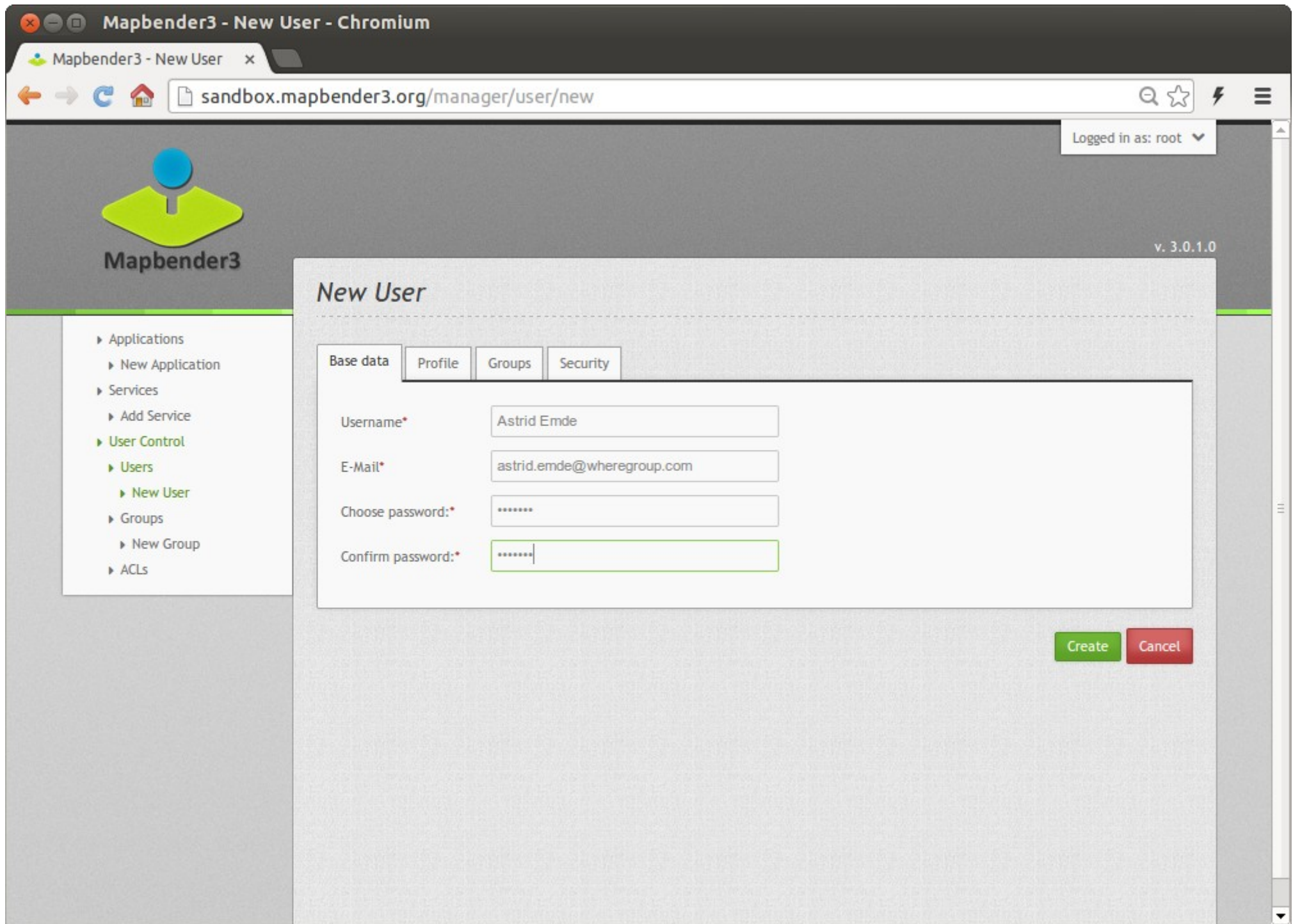
overview

Id	Titel	Typ	+		x
3	Germany	WMS			





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
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 - New Group
- ACLs

New User

Base data Profile Groups Security

First name Astrid

Last name Emde

Notes

Phone 123

Organization Mapbender Team

Role Originator

Street

Zip code

City Bonn


Country Germany

Create Cancel

Neue Gruppe x

sandbox.mapbender3.org/manager/group/new

Angemeldet als: root

 **Mapbender3** v. 3.0.3.0

- Anwendungen
 - Neue Anwendung
- Datenquelle
 - Neue Datenquelle
- **Benutzerverwaltung**
 - Benutzer
 - Neuer Benutzer
 - **Gruppen**
 - **Neue Gruppe**
 - Berechtigungen ACLs

Neue Gruppe

Basisdaten Benutzer

Name* FOSSGIS2014


Description FOSSGIS 2014 Berlin

Speichern Abbrechen

Neue Gruppe x

sandbox.mapbender3.org/manager/group/new

Angemeldet als: root


Mapbender3

v. 3.0.3.0






- Anwendungen
 - Neue Anwendung
- Datenquelle
 - Neue Datenquelle
- Benutzerverwaltung
 - Benutzer
 - Neuer Benutzer
 - Gruppen
 - Neue Gruppe
 - Berechtigungen ACLs

Neue Gruppe

Basisdaten Benutzer

Filter

Name 1 Benutzer von 5 selektiert

 astrid.emde	<input checked="" type="checkbox"/>
 astrid	<input type="checkbox"/>
 a.emde	<input type="checkbox"/>
 bka	<input type="checkbox"/>
 root	<input type="checkbox"/>

Speichern Abbrechen

Mapbender3 - demo - Chromium

Mapbender3 - demo x

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

Logged in as: root

v. 3.0.1.0

Mapbender3




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

demo

Base data Layout Layers **Security**

☐ Publish

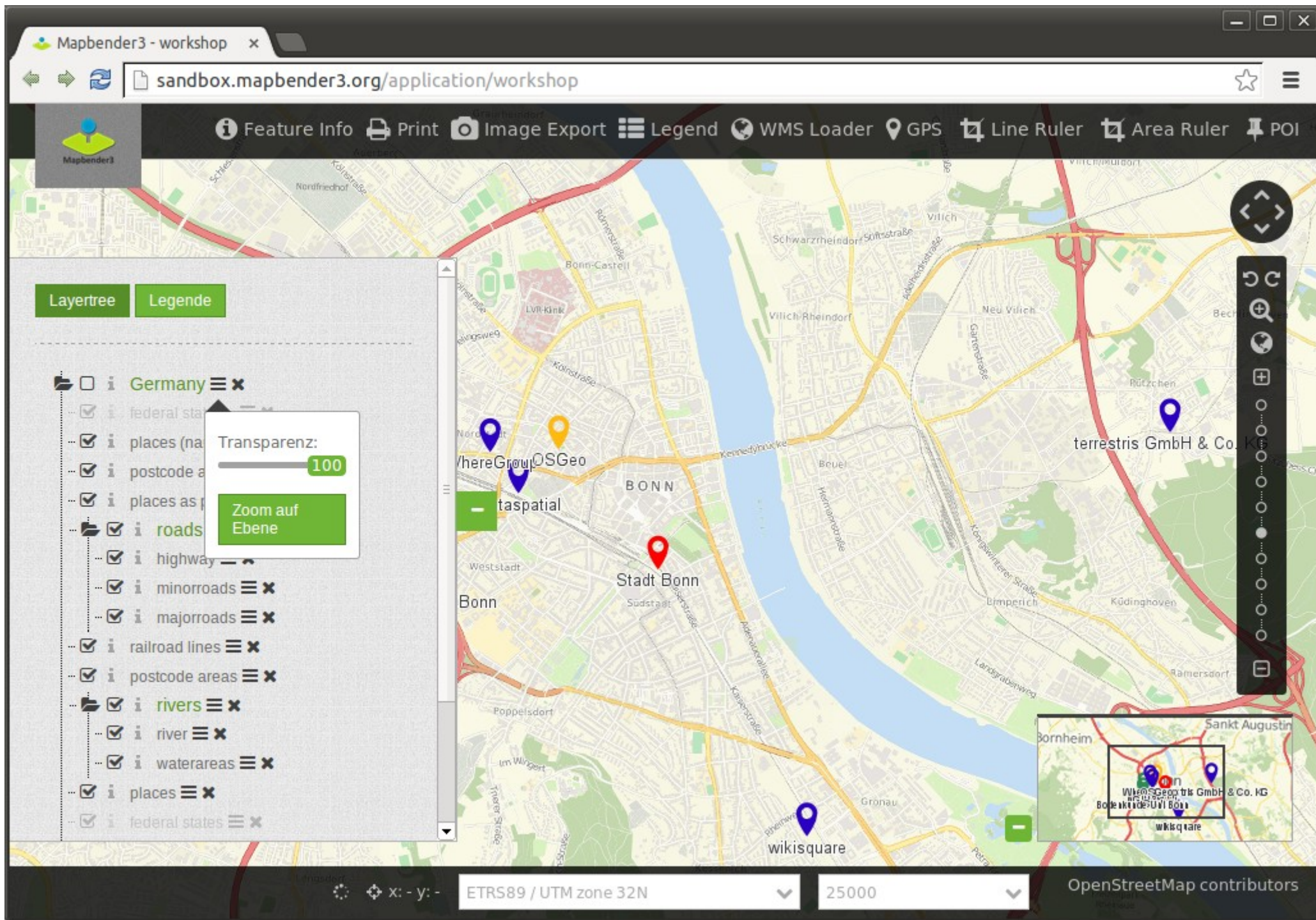
Filter

	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	×

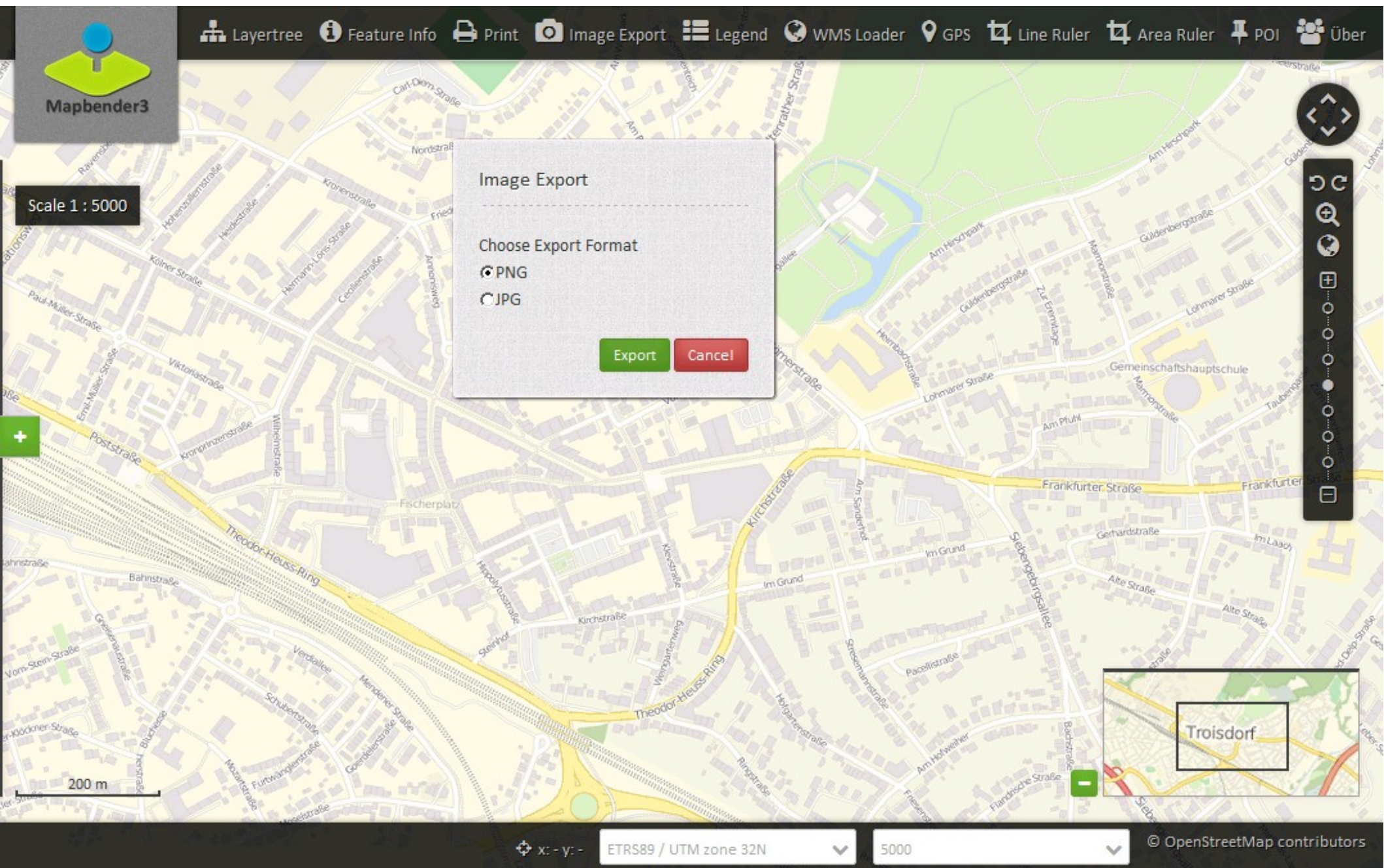
Save Cancel

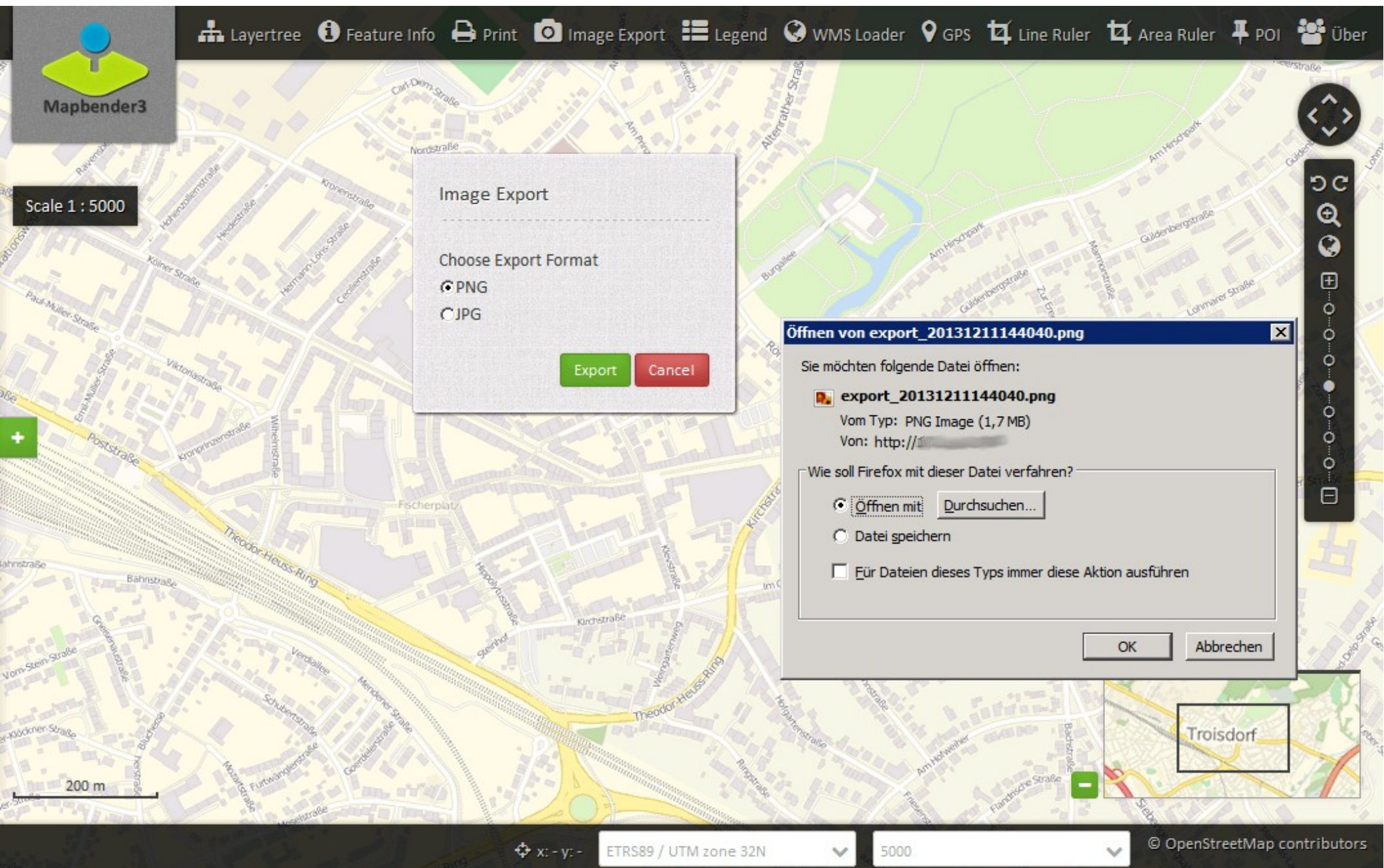


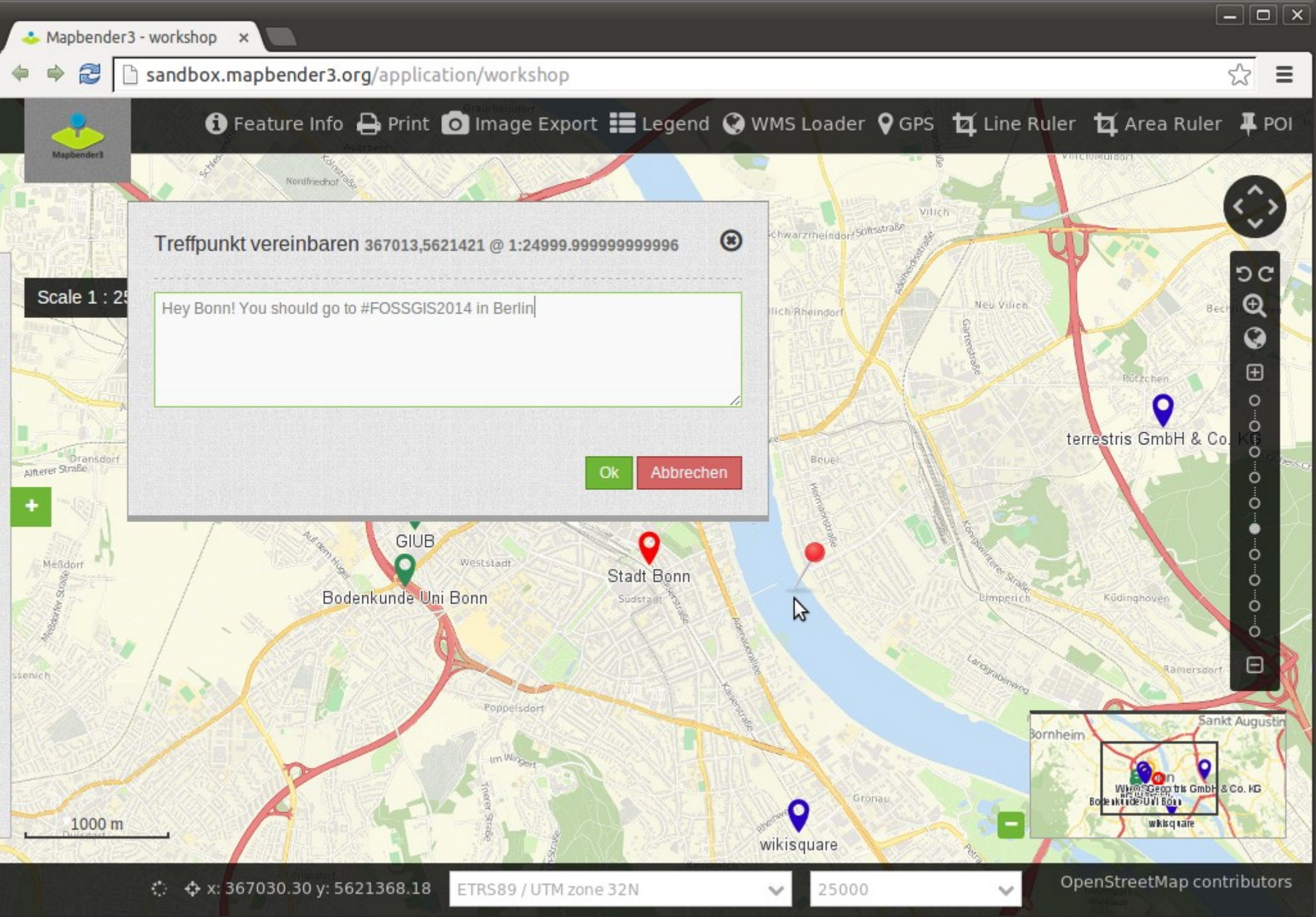
Anwendung



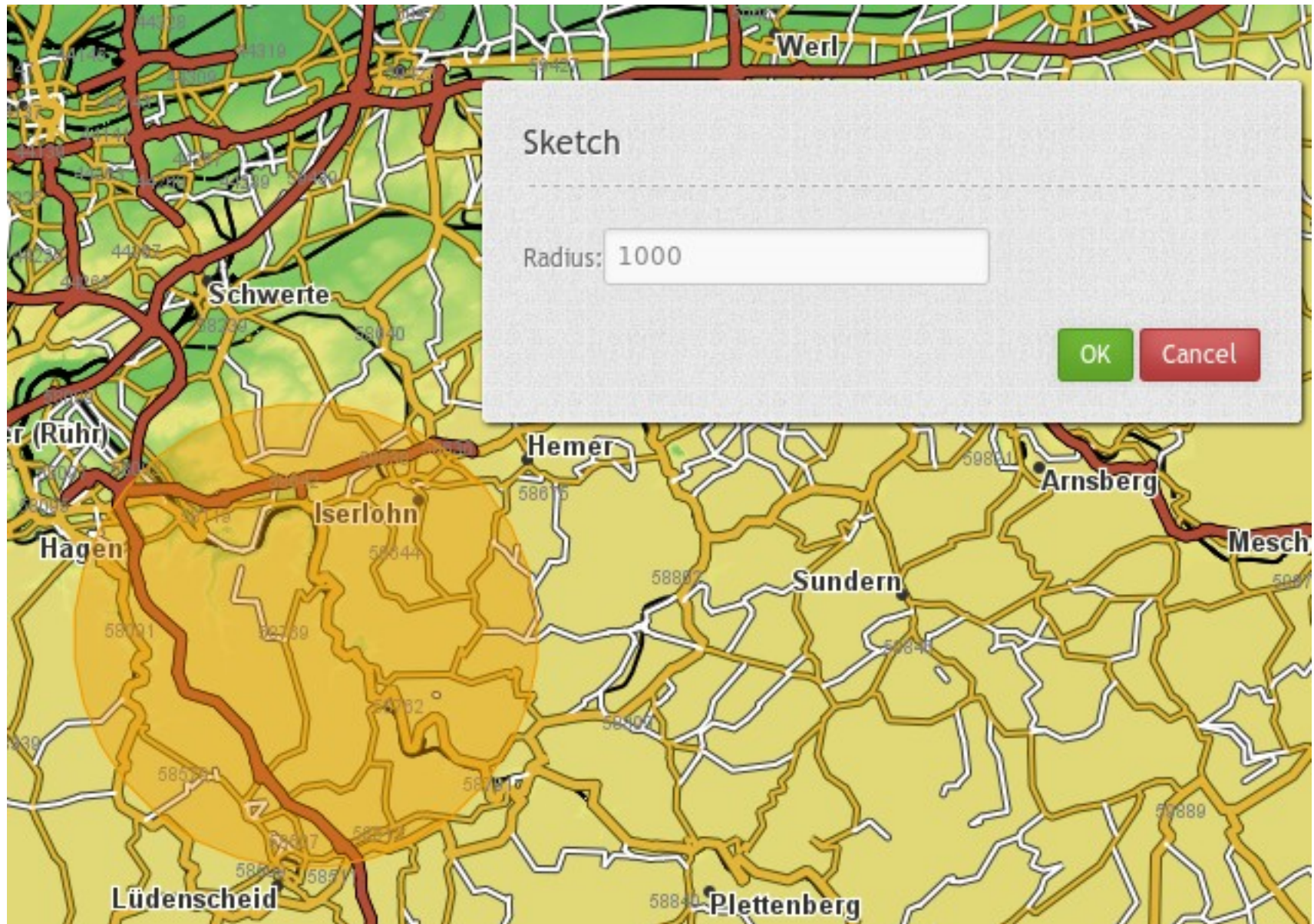
Mapbender3 Astrid Emde FOSSGIS 2014 Berlin







Mapbender3 Astrid Emde FOSSGIS 2014 Berlin



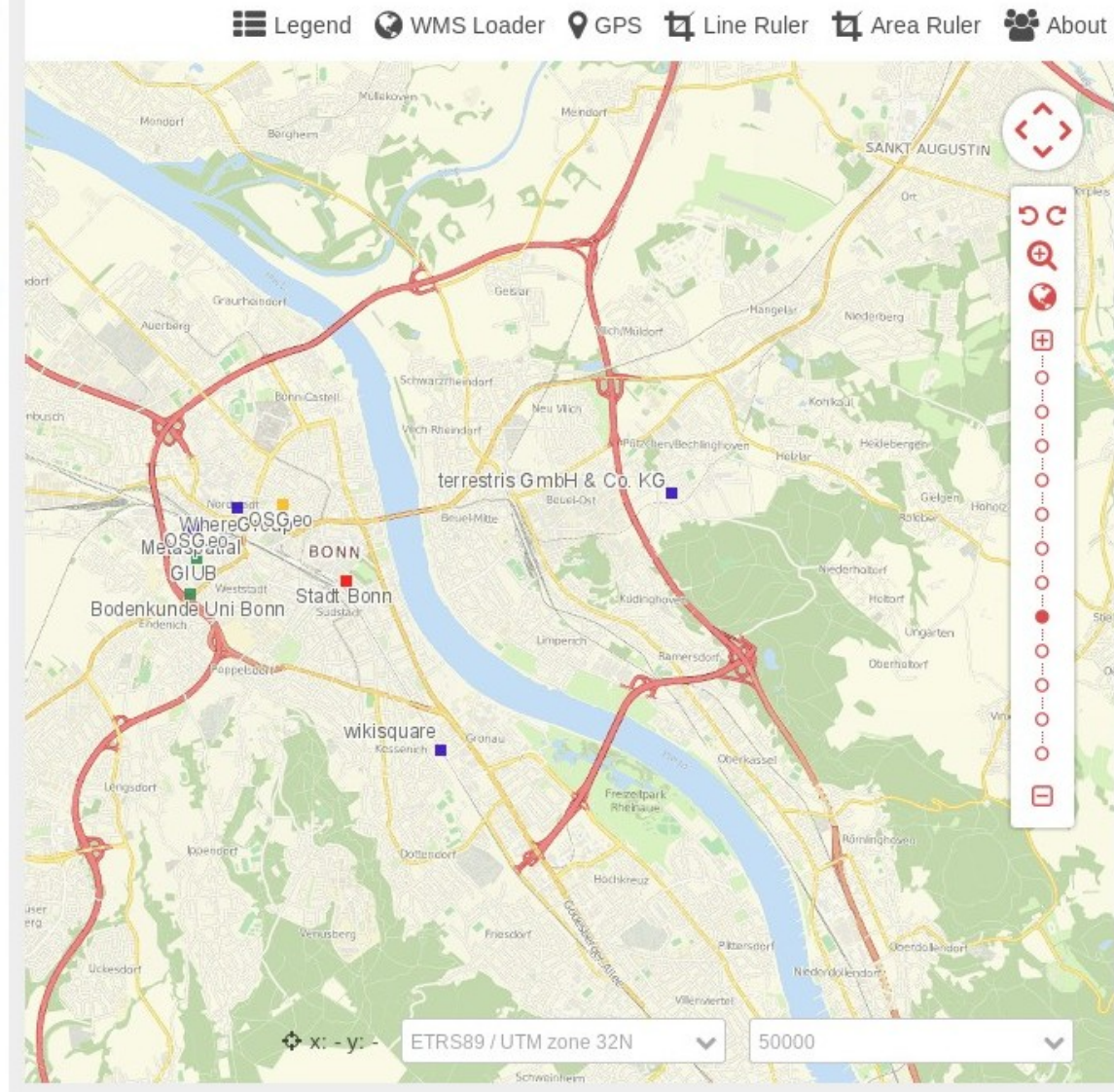
Geoportal Lippe

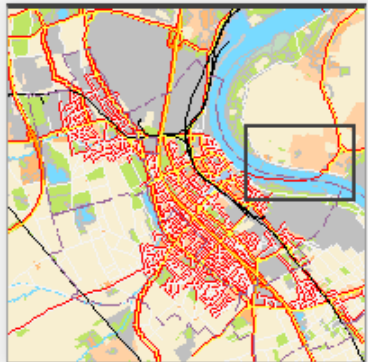
Geothemen | D115 | Allgemeine Suche | Kartenanzeige

Suchen



- ☒ Mapbender Users x
- ☒ Name x
- ☒ User x
- ☒ Mapbender OSM x
- ☒ OSM-Demo WhereGroup x

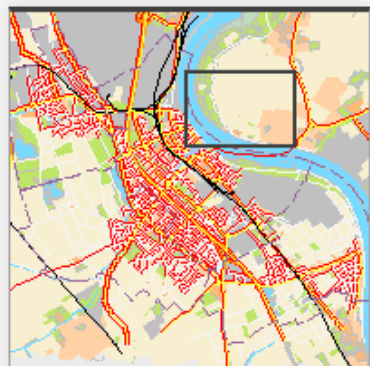




- ☒ Stadtkarte
- ☐ v. ...sk_atch
- ☒ Strassennamen
- ☒ Stadtgrenze
- ☒ Strassen
- ☒ Nutzung



200 m



- ☒ Stadtkarte
- ☒ _dsk_patch
- ☒ Strassennamen
- ☒ Stadtgrenze
- ☒ Strassen
- ☒ WES_DSK_füllung2
- ☒ WES_DSK_umring
- ☒ WES_DSK_füllung1
- ☒ Nutzung

Suche

Route*

Adresse ALKIS



Gemeinde*

Bezeichnung*

Ahrstra

Hausnummer*

4

Straße Hausnummer

Ahrstraße 41

Ahrstraße 43

Ahrstraße 45

Ahrstraße 47

Ahrstraße 49

Search

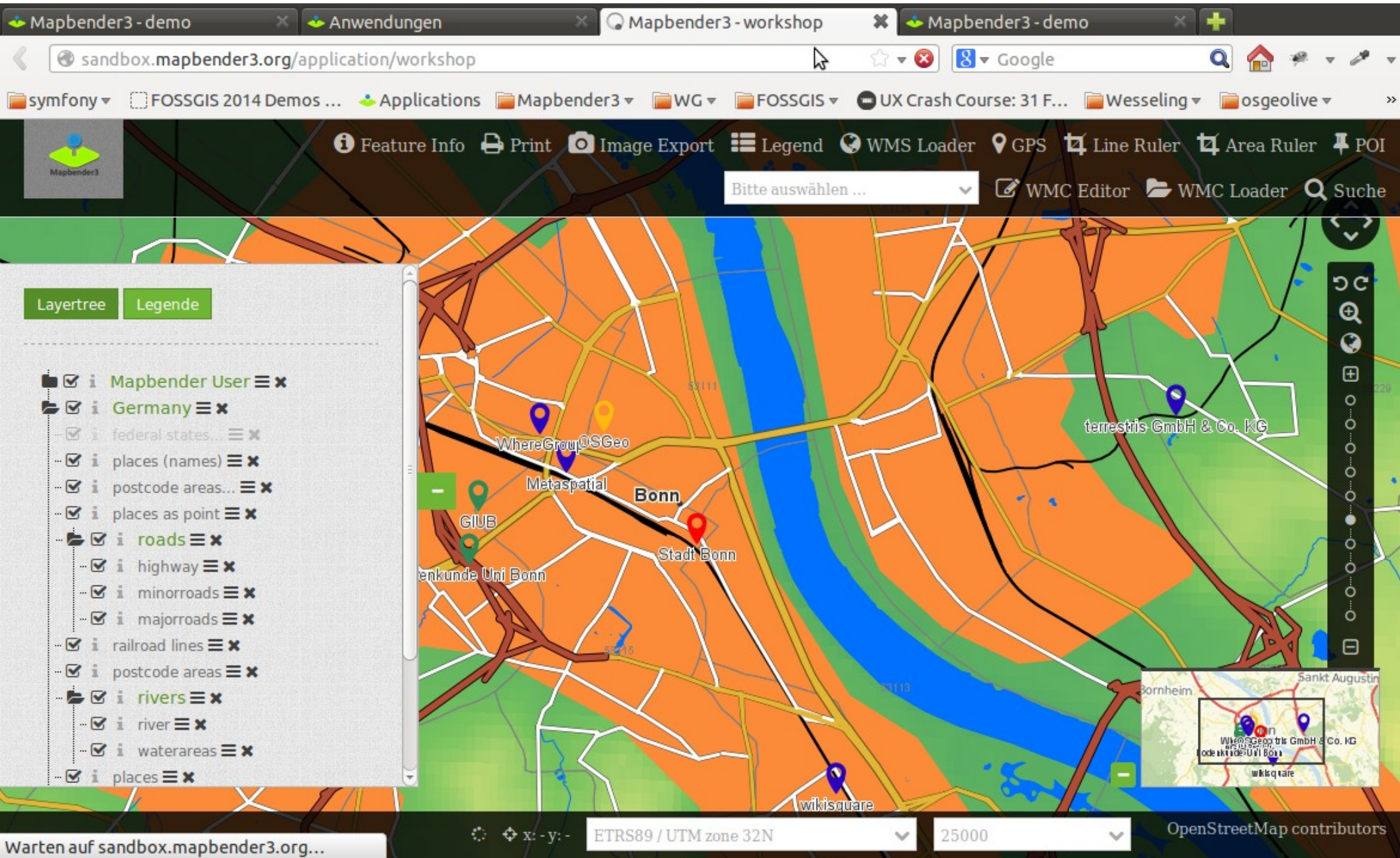
Close

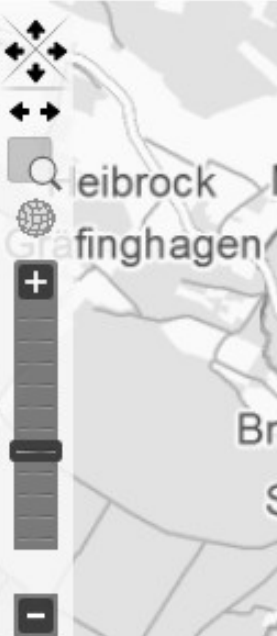
200 m

Rechtswert :

Hochwert :

Maßstab : 1 : 5000





Kartenebenen

Legende

Information

Adresssuche

Detail-Information

Bebauungspläne und Satzungen

Plan-Nummer	01/13
Name	Piperweg-Lönsweg
Art	Bebauungsplan
Stadt/Gemeinde	Stadt Oerlinghausen
Gemarkung	Oerlinghausen
Datum der Rechtskraft	
Nummer der Änderung	0
Planzeichnung im Geoportal darstellen	Planzeichnung laden
Download der textlichen Festsetzungen als PDF	Textl. Festsetzung laden
Download: Planzeichnung als PDF	Planzeichnung als PDF

Die im GeoPortal dargestellten Bauleitpläne und anderen Satzungen nach dem Baugesetzbuch mit ihren weitergehenden Informationen (textliche Festsetzungen etc.) dienen lediglich einer ersten Information. Rechtlich verbindliche Informationen hierzu erhalten Sie ausschließlich bei der Stadt Oerlinghausen, n.n.b., Tel. 05202/99366-0.

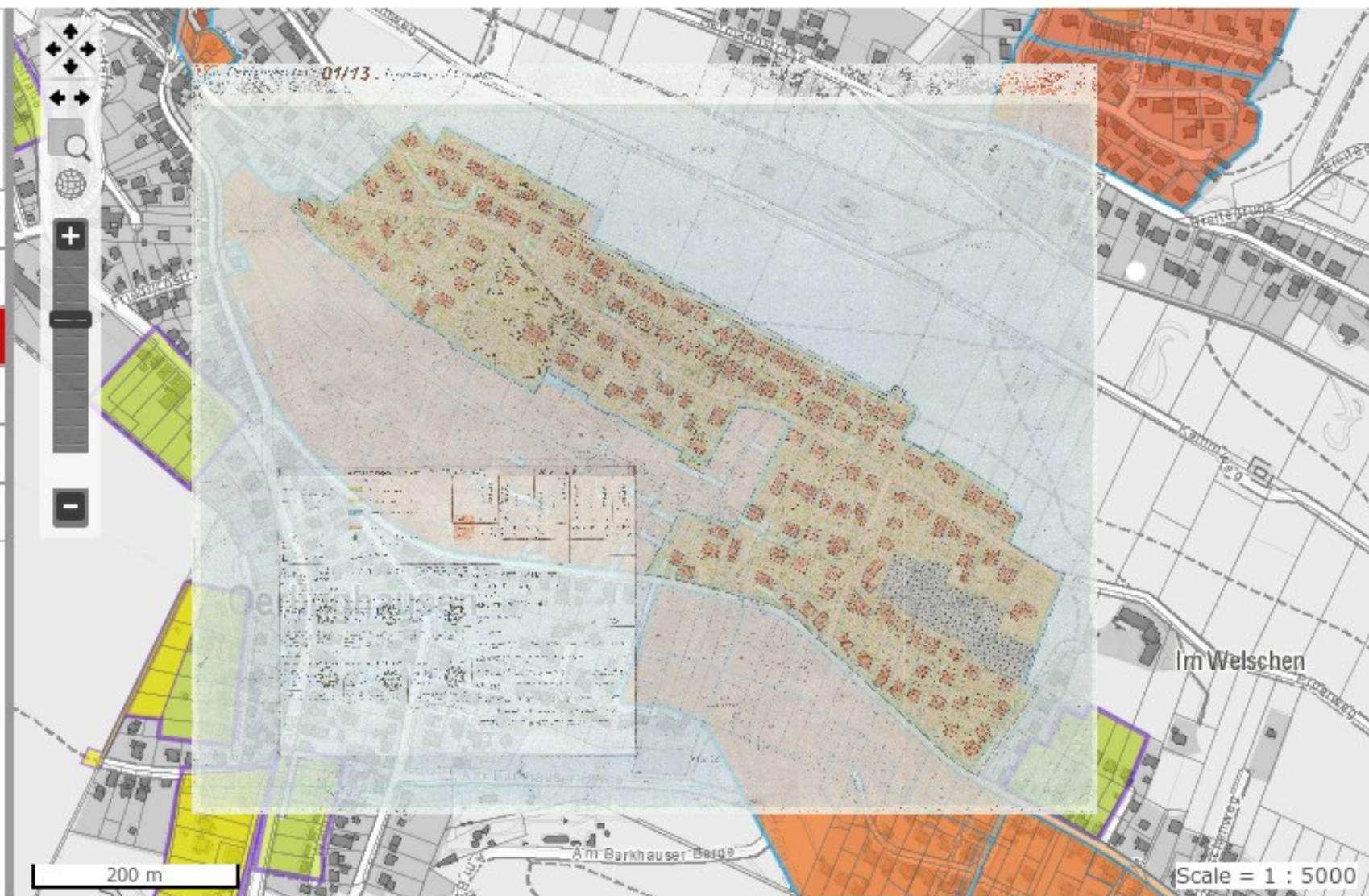


Kartenebenen

Legende

Information

Adresssuche



x = - y = -

ETRS89 / UTM zone 32N



Themenplan WMC

[Mapbender3 Documentation](#) » [Welcome to Mapbender3's documentation!](#) » [Bundle Documentation](#) »

[previous](#) | [next](#) | [index](#)

MapbenderWMCBundle

The WMCBundle contains WMC functionality. It offers the functionality to save/edit and load service configurations.

Elements

- [Suggest Map](#)
- [WMC Editor](#)
- [WMC List](#)
- [WMC Loader](#)



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[MapbenderWMCBundle](#)

▪ [Elements](#)

Previous topic

[WMS Loader](#)

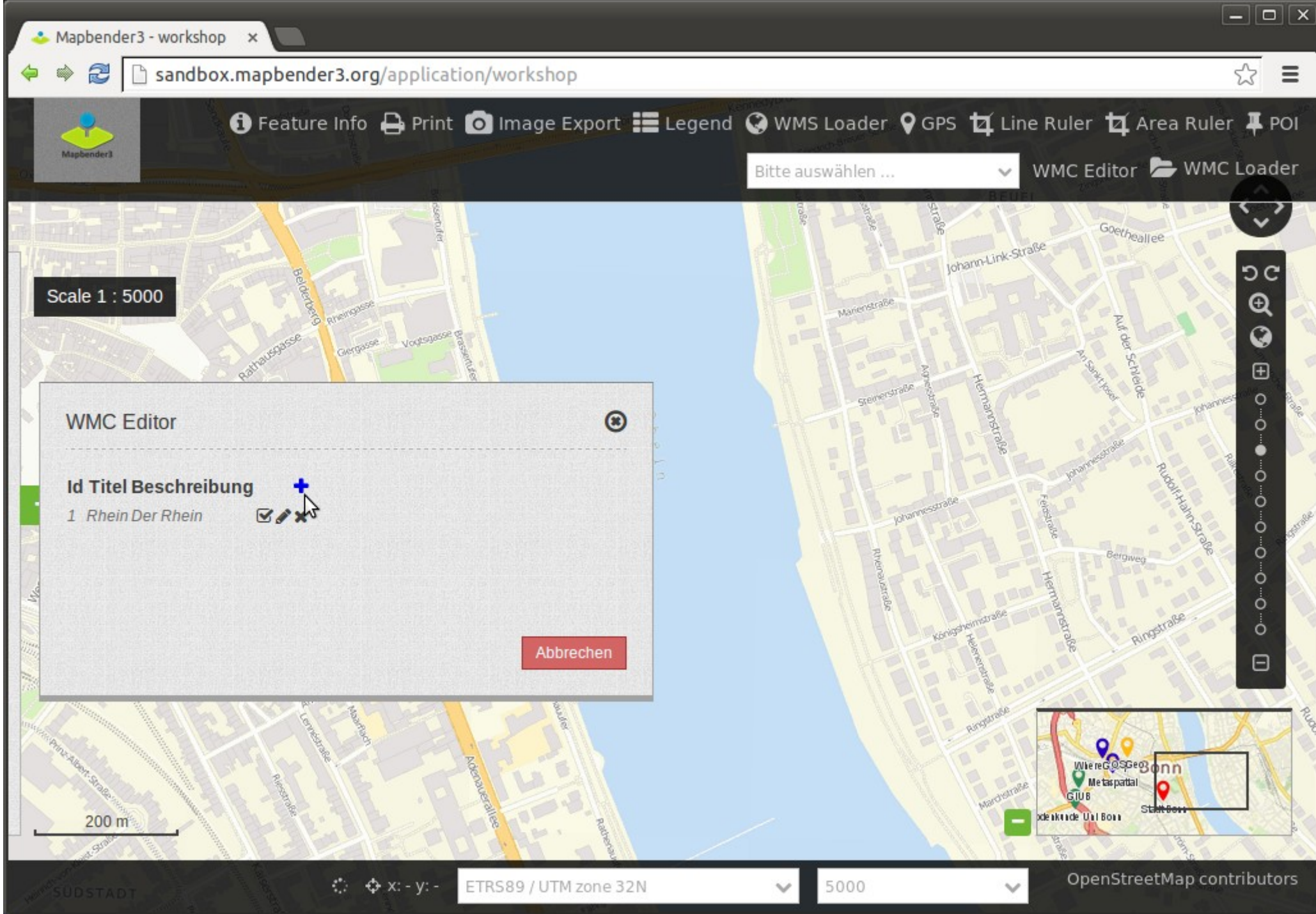
Next topic

[Suggest Map](#)

This Page

[Show Source](#)

Quick search



Mapbender3 - workshop x

sandbox.mapbender3.org/application/workshop

Feature Info Print Image Export Legend WMS Loader GPS Line Ruler Area Ruler POI

Bitte auswählen ... WMC Editor WMC Loader

WMC Editor - Bearbeiten

☒ Veröffentlichen

Title* Rhein

Abstract Der Rhein

Keywords

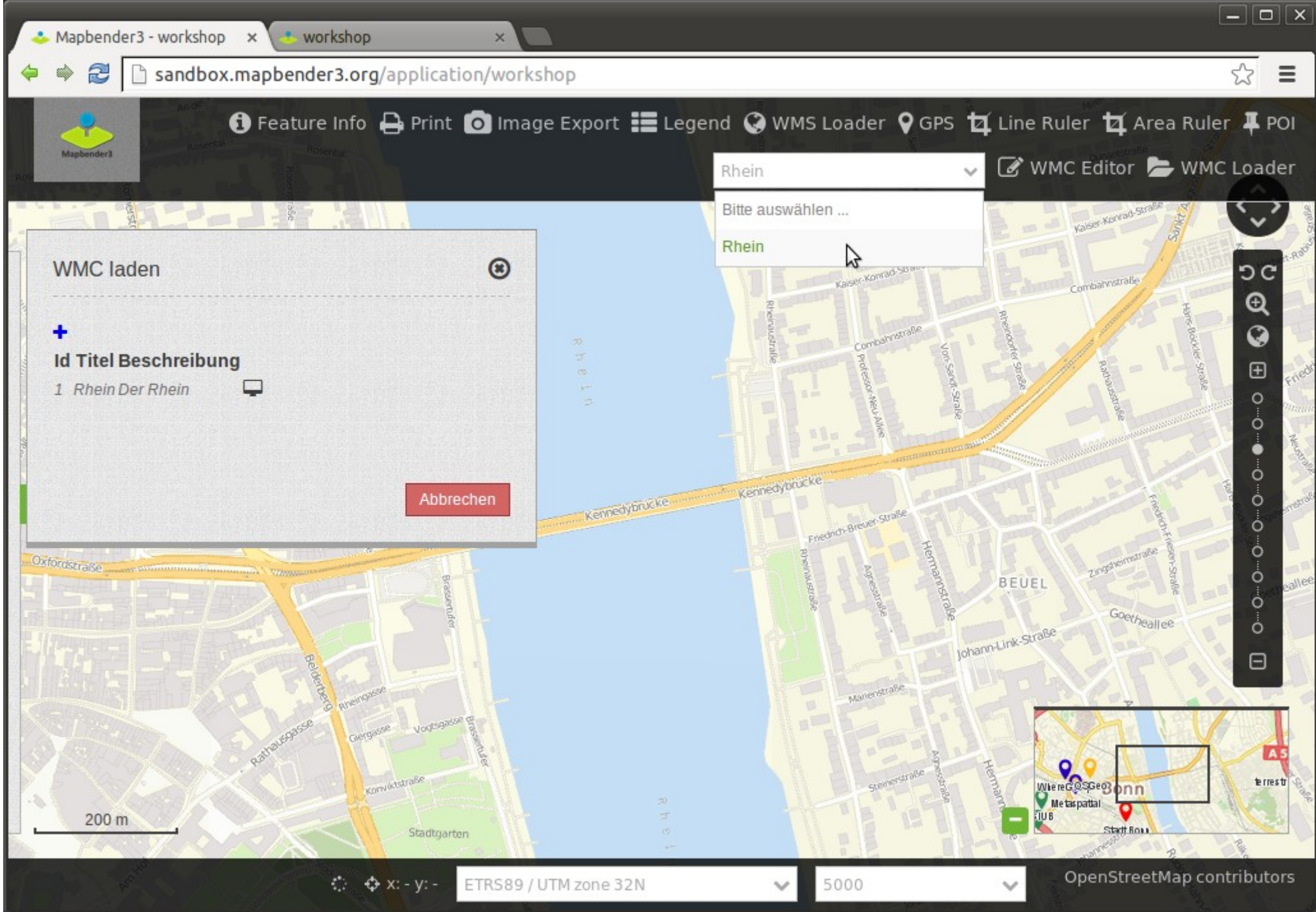
Zurück Speichern Abbrechen

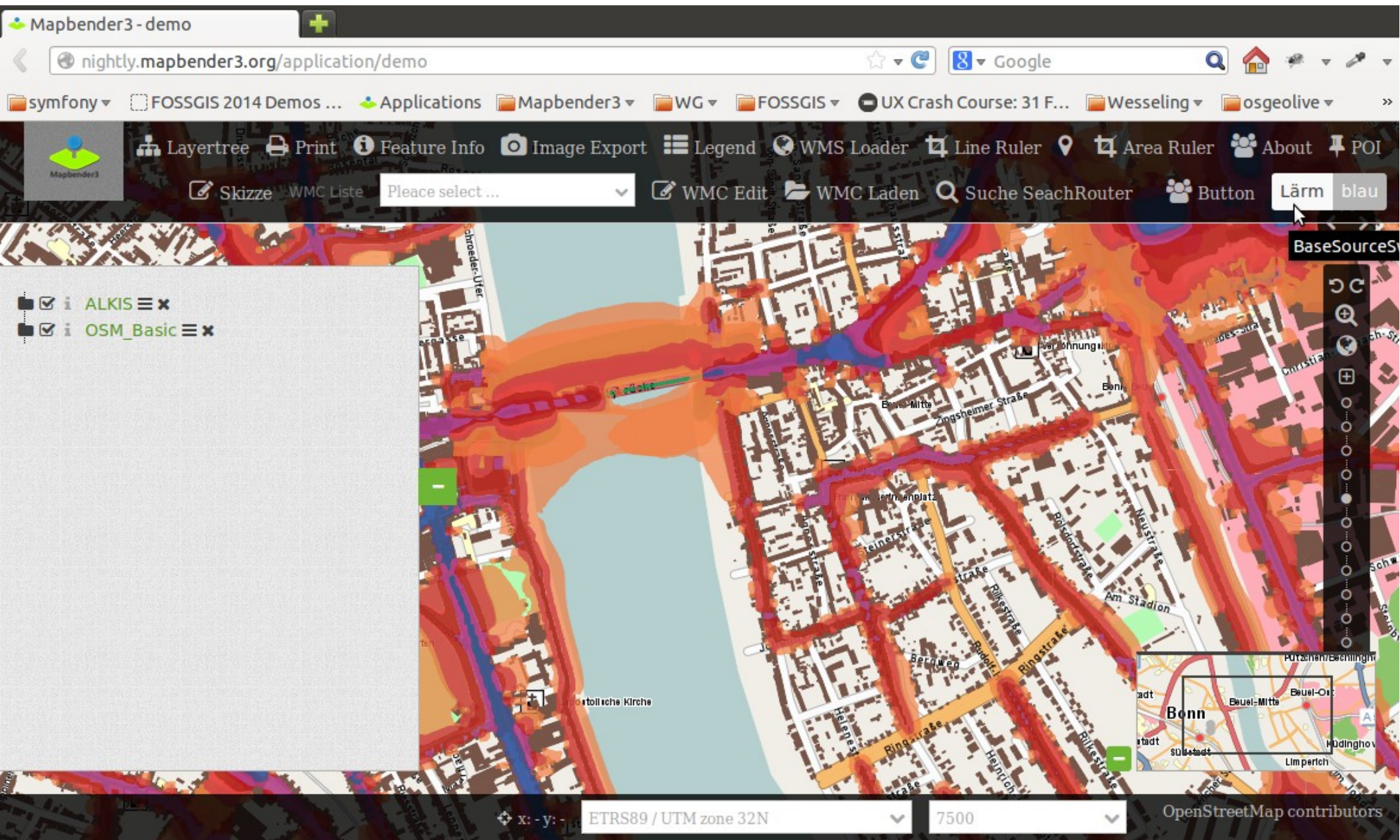
200 m

ETRS89 / UTM zone 32N 5000

OpenStreetMap contributors

sandbox.mapbender3.org/application/workshop#mbp







Mobile Lösung





Weitere Neuerungen

- **parametrisierter Aufruf über Koordinate**
- **Internationalisierung (deutsch, italienisch, englisch)**
- **Kopplung MeTaDor an Mapbender3**
- **ACL auf Elementebene**



Nächste Schritte

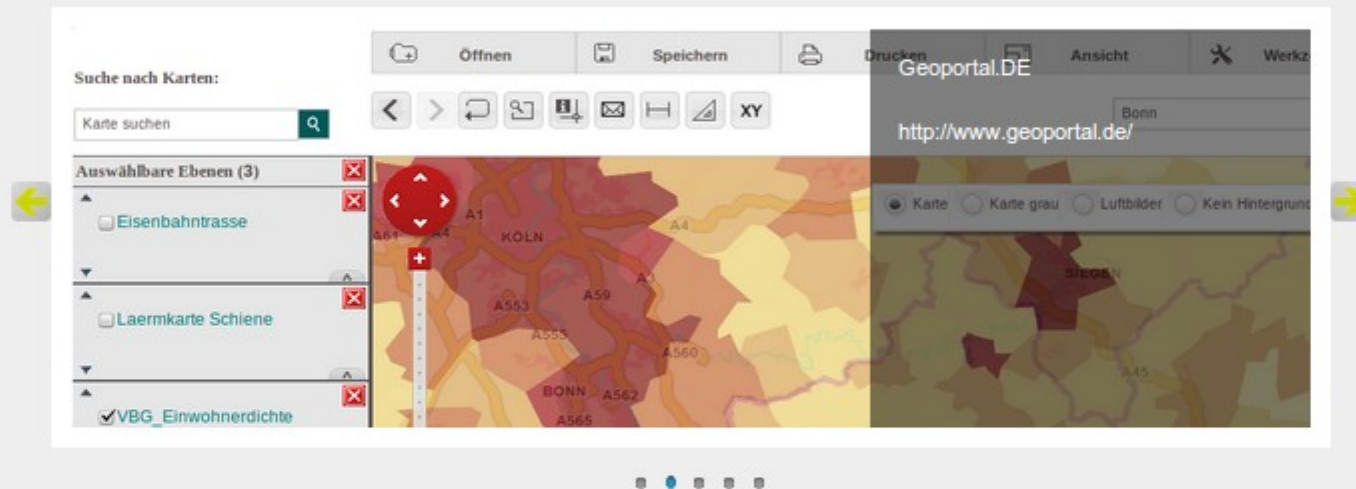
- Roadmap <http://mapbender3.org/de/roadmap>
- WFS als Datenquelle
- Dienste Aktualisierung
- SQL / WFS Digitalisierung
- WFS Suche / Lucene Suche



Mapbender3

Download

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



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](#)



17.-23. September 2013



Mapbender ist ein offizielles
OSGeo-Projekt.

Chloé 20 Developers

Mapbender.org



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documentation!

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The Book

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or function name.

Welcome to Mapbender3's documentation!

Contents:

- The Book
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 - 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

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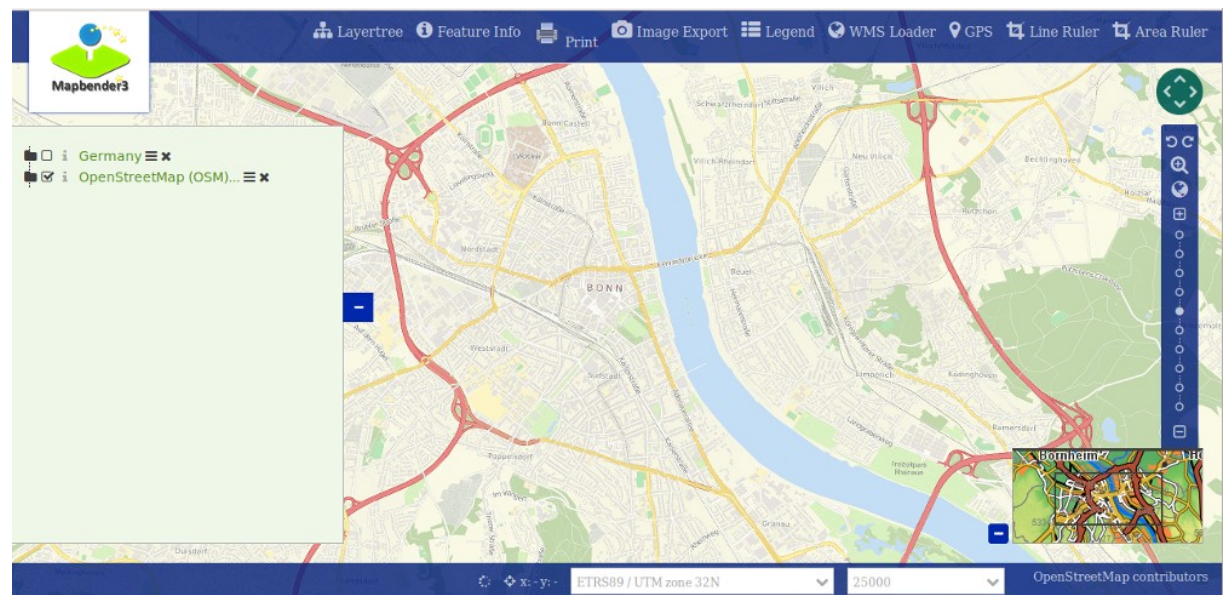
Tutorial und Workshop Bundle

- How to create your own template

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

- Workshop Bundle

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

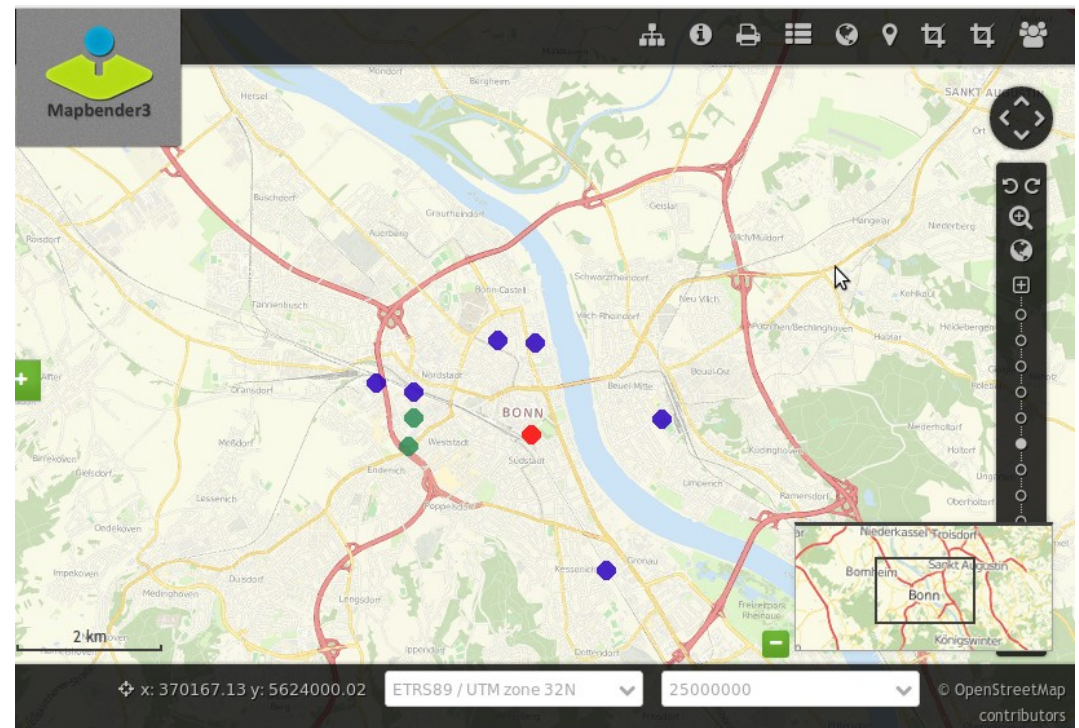




Mapbender3 Demo

Testen Sie Mapbender3

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





Installation

Download Pakete

[**http://mapbender3.org/en/download**](http://mapbender3.org/en/download)

git Repositories

[**https://github.com/mapbender/mapbender-starter**](https://github.com/mapbender/mapbender-starter)

Dokumentation der Installation und Elemente

[**http://doc.mapbender3.org**](http://doc.mapbender3.org)



Weitere Informationen

- <http://mapbender3.org>
- Mapbender3 Code <http://github.com/mapbender>
- Roadmap <http://mapbender3.org/de/roadmap>
- Bug/Issue Tracker
<https://github.com/mapbender/mapbender/issues>



Vielen Dank

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Mit freundlicher Unterstützung der



WhereGroup

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