



# Mapbender3 nimmt Fahrt auf

Astrid Emde  
Where2B 2013 Bonn

# **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 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender Demo Map - Chromium

sandbox.mapbender3.org/application/mapbender\_user

Mapbender3

Scale 1 : 100K

Brühl  
Wesseling  
Stadtwerke Wesseling  
Niederkassel  
Trostdorf  
Lohmar  
Sankt Augustin  
Hennet  
Bornheim

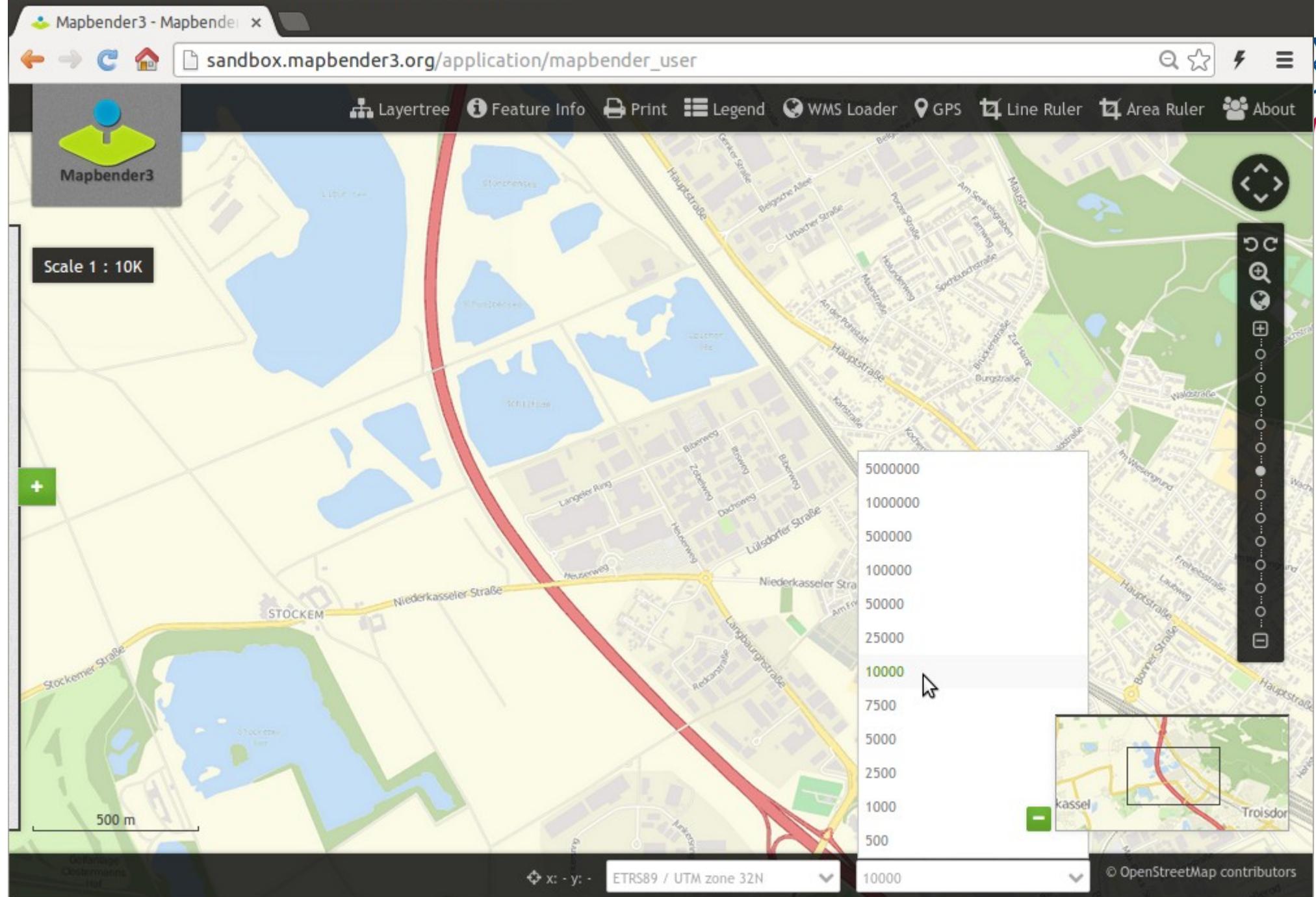
5 km

Layertree Feature Info Print Legend WMS Loader GPS Line Ruler Area Ruler About

Bodenkunde  
x: 357446.33 y: 5641658.76 ETRS89 / UTM zone 32N 100000 © OpenStreetMap contributors

Mapbender3 Astrid Emde Wheré2B 12. 12. 2013 Bonn

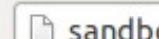
Mapbender3 - Mapbender Demo Map - Chromium



Mapbender3 Astrid Emde Where2B 12. 12. 2013 Bonn

# Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender



sandbox.mapbender3.org/application/mapbender\_user



Layertree

Feature Info

Print

Legend

WMS Loader

GPS

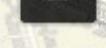
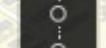
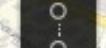
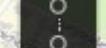
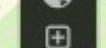
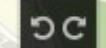
Line Ruler

Area Ruler

About



Scale 1 : 6341



ETRS89 / UTM zone 32N

ETRS89 / UTM zone 33N

DHDN / 3-degree Gauss-Kruger

zone 2

DHDN / 3-degree Gauss-Kruger

zone 3

WGS 84



x:

- y:

- WGS 84

10000

© OpenStreetMap contributors





Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About



Mapbender3

layer tree

- [Mapbender Users](#) x
- [Name](#) x
- [User](#) x
- [Mapbender OSM](#) x

Close



200 m

X: - y: -

WGS 84

10000

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# Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender



sandbox.mapbender3.org/application/mapbender\_user



Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

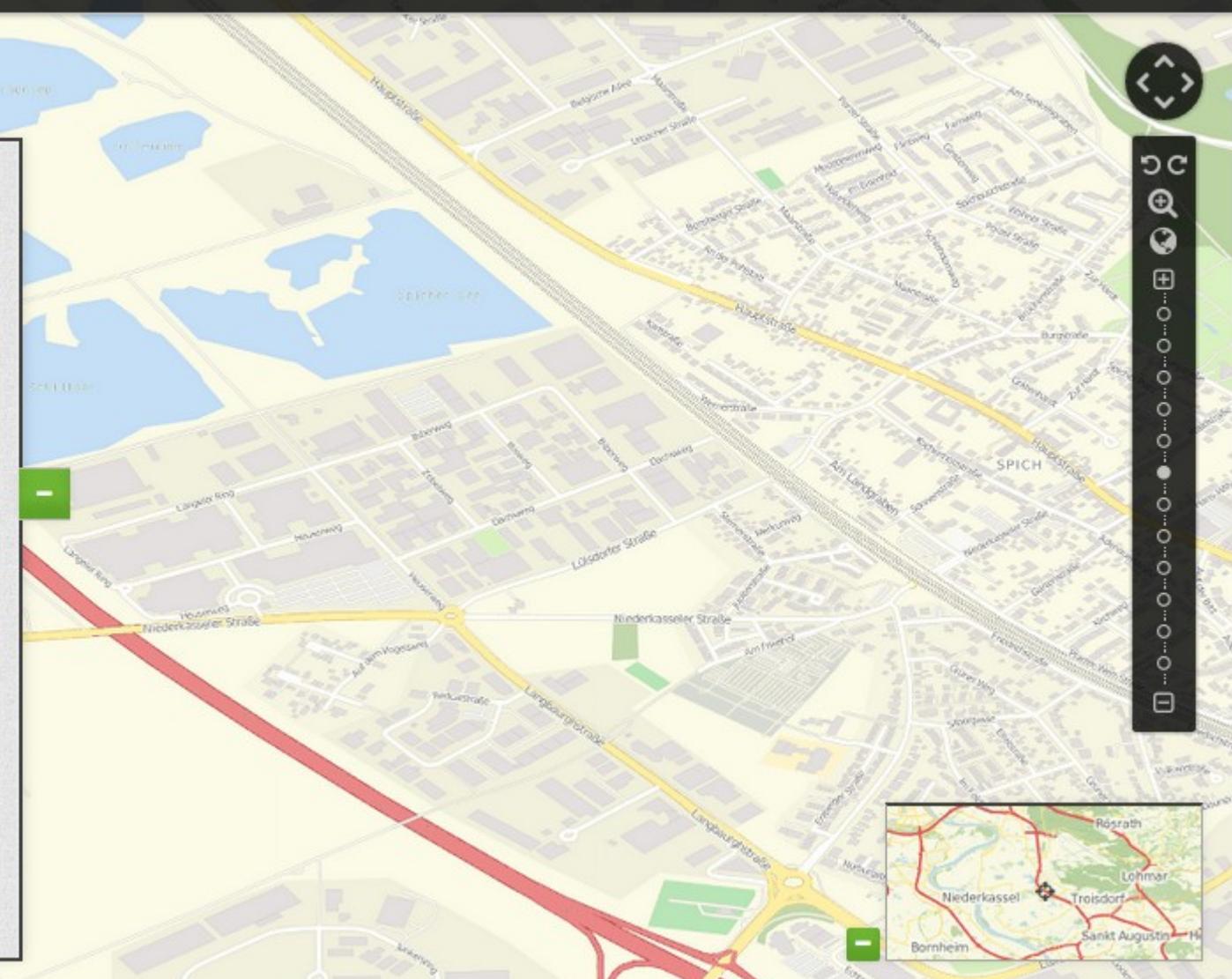
Area Ruler

About



Mapbender3

- i* Mapbender Users x
- i* Name x
- i* User x
- i* Mapbender OSM x



X: - y: -

WGS 84

10000

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Mapbender3 - Mapbender Demo Map - Chromium

sandbox.mapbender3.org/application/mapbender\_user

Layertree Feature Info Print Legend WMS Loader GPS Line Ruler Area Ruler About

Mapbender3

Scale 1 : 50K

Legend

Mapbender Users

User

- Company
- Administration
- University
- User

Mapbender OSM

BONN

Close

2 km

x: - y: - ETRS89 / UTM zone 32N 50000

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Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About



Mapbender3

Scale 1 : 50K

## WMS Loader

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

Service url

Load

Cancel

2 km

x: - y: -

ETRS89 / UTM zone 32N

50000

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# Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender

sandbox.mapbender3.org/application/mapbender\_user

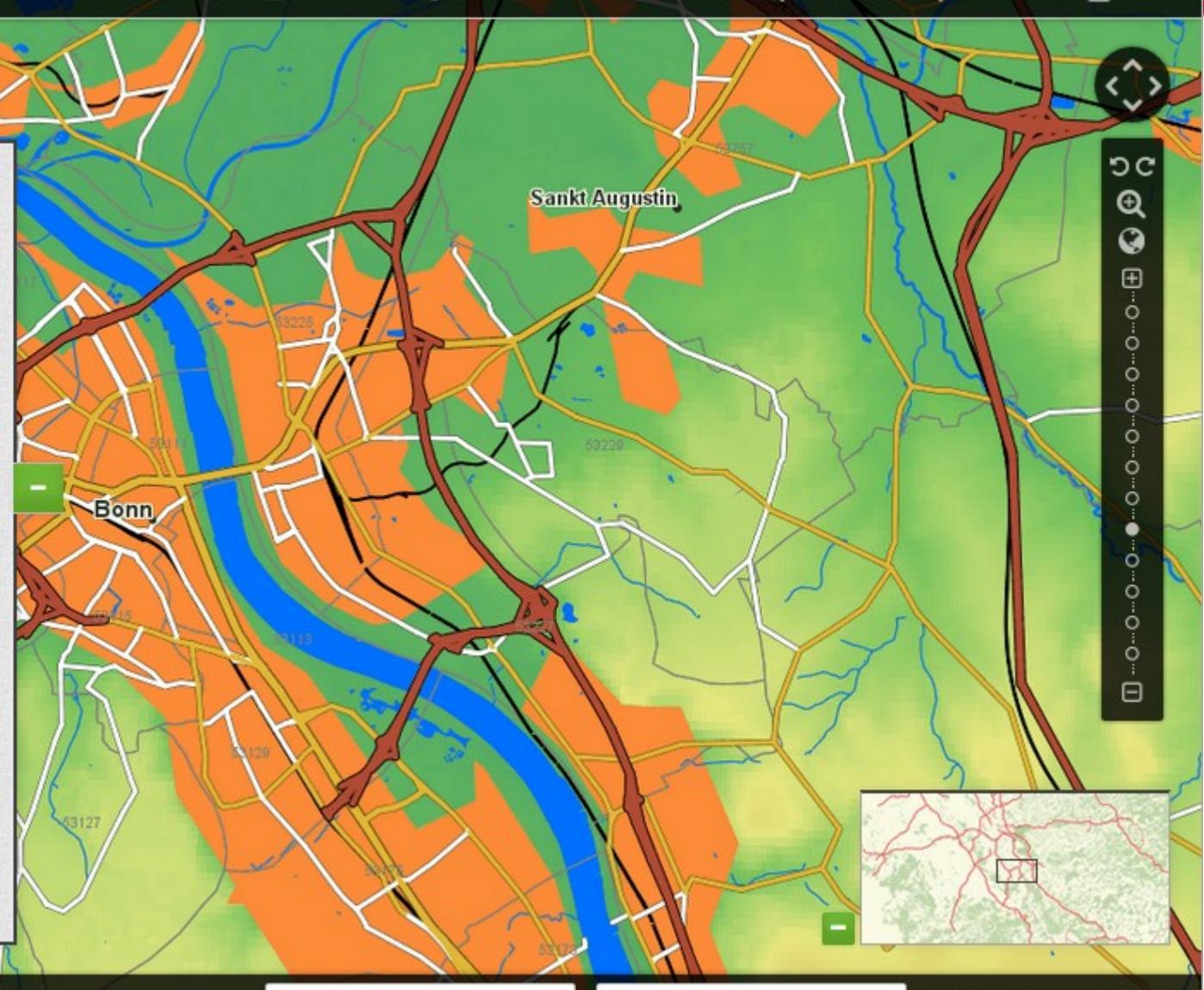


Layertree Feature Info Print Legend WMS Loader GPS Line Ruler Area Ruler About



Mapbender3

- Germany* ×
- federal states...* ×
- places (names)* ×
- postcode areas...* ×
- places as point* ×
- roads* ×
- railroad lines* ×
- postcode areas* ×
- rivers* ×
- places* ×
- federal states* ×
- border* ×
- topography* ×
- Mapbender Users* ×
- Name* ×
- User* ×
- Mapbender OSM* ×



x: - y: -

ETRS89 / UTM zone 32N

50000

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Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About



Mapbender3

Scale 1 : 2500

Distance

40.69 m  
193.84 m  
254.36 m  
382.62 m  
484.15 m  
555.10 m  
593.03 m  
603.69 m

Close

100 m

x: 367697.96 y: 5621775.46

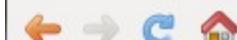
ETRS89 / UTM zone 32N

2500

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# Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender



sandbox.mapbender3.org/application/mapbender\_user



Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About



Mapbender3

Scale 1 : 2500

Area

1819.33 m<sup>2</sup>

Close

C

Q

E

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○

100 m

x: 367683.85 y: 5621800.15

ETRS89 / UTM zone 32N

2500

© OpenStreetMap contributors

Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About



Mapbender3

## Print Client

Template: A4 Landscape official

Quality: Document (288dpi)

Scale: 1:5000

Rotation: 0

Title:

Print

Cancel



x: - y: -

ETRS89 / UTM zone 32N

7500

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## Print Client

Template A4 Landscape official

Quality Document (288dpi)

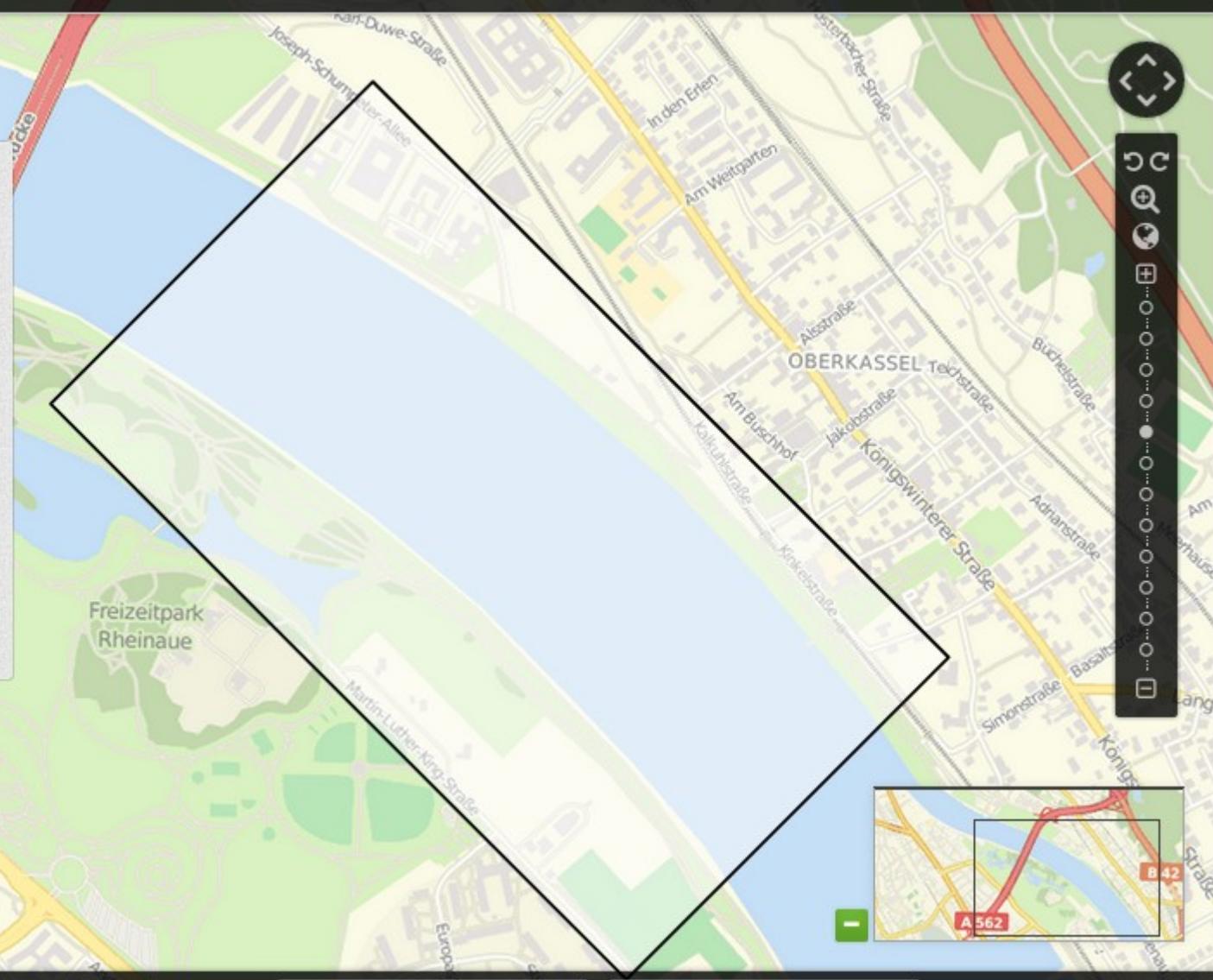
Scale 1:5000

Rotation 45

Title

Print

Cancel



x: - y: -

ETRS89 / UTM zone 32N

7500

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# **Erzeugen Sie Ihre eigene Anwendung**



## Anmeldung

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

*Login*

---

Username:

Password:

[▶ Register](#) [▶ Forgot password?](#)



Logged in as: root

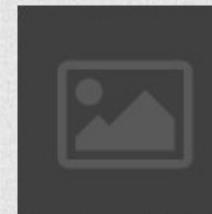


Mapbender3

v. 3.0.1.0

## Applications

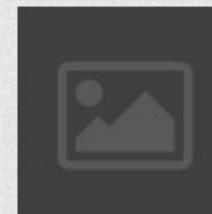
Filter:



Mapbender Demo Map mapbender\_user



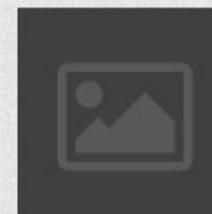
*Fullscreen style, Simple map showing WMS use.*



Mapbender Demo Map basic mapbender\_user\_basic



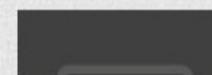
*Fullscreen style, simple buttons, simple map showing WMS use.*



1378996 Mapbender Demo Map 1378996\_mapbender\_user



*Fullscreen style, Simple map showing WMS use.*



13789 Mapbender Demo Map basic 13789\_mapbender\_user\_basic





Mapbender3

v. 3.0.1.0

## New Application

Base data

Security

Title\*

demo

URL title\*

demo

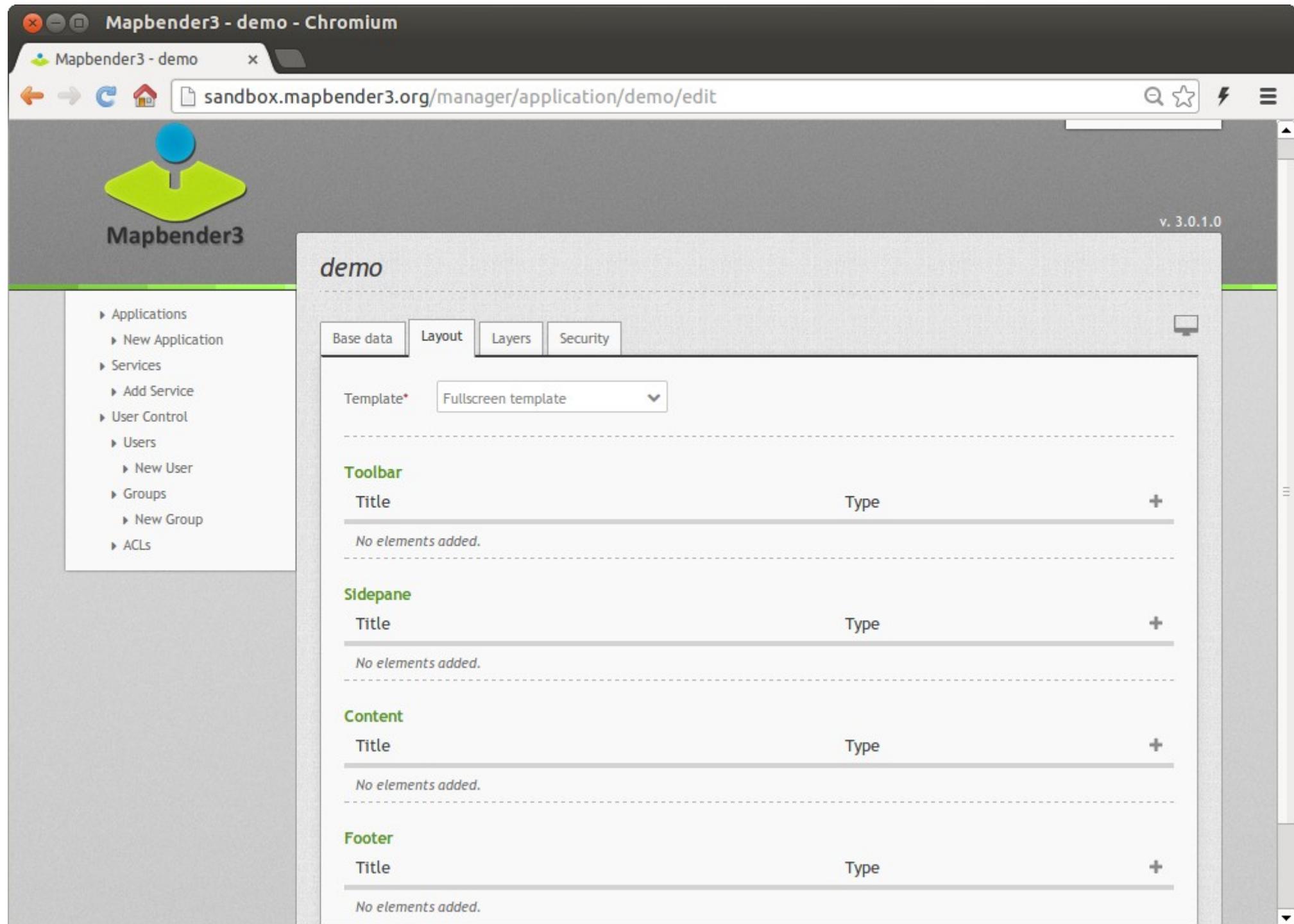
Description

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





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

demo

Base d...

Tem...

Tools

Title

Side

The

No

Cont

Tit

No

Footer

Title

Type

## Add element -



Tree of map's layers

## Legend Object

The legend object shows the legend of the map's layers.

## Line/Area Ruler

## Map

MapQuery/OpenLayers based map

## Navigation Toolbar

The Navigation Toolbar element provides a floating control to pan and zoom, similar to the OpenLayers PanZoomBar control. This element though is easier to use when custom styling is needed.

## Overview

Renders a small overview map

Choose Map Element

Cancel



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

demo

Base d...

Tem...

Tool...

Tit...

No...

Side...

Tit...

No...

Con...

Tit...

Footer

Title

Type

No elements added.

## Add element - Map



Title\*

Map

Layerset\*

main

DPI\*

main

overview

SRS\*

EPSG:4326

Map units\*

Degrees

Max. extent

min x\*

0

min y\*

40

max x\*

20

max y\*

60

Start. extent

min x\*

5

min y\*

45

max x\*

15

max y\*

55

Scales (csv)\*

25000000,10000000,5000000,1000000,500000

Back

Ok

Cancel

### Mapbender3 - demo - Chromium

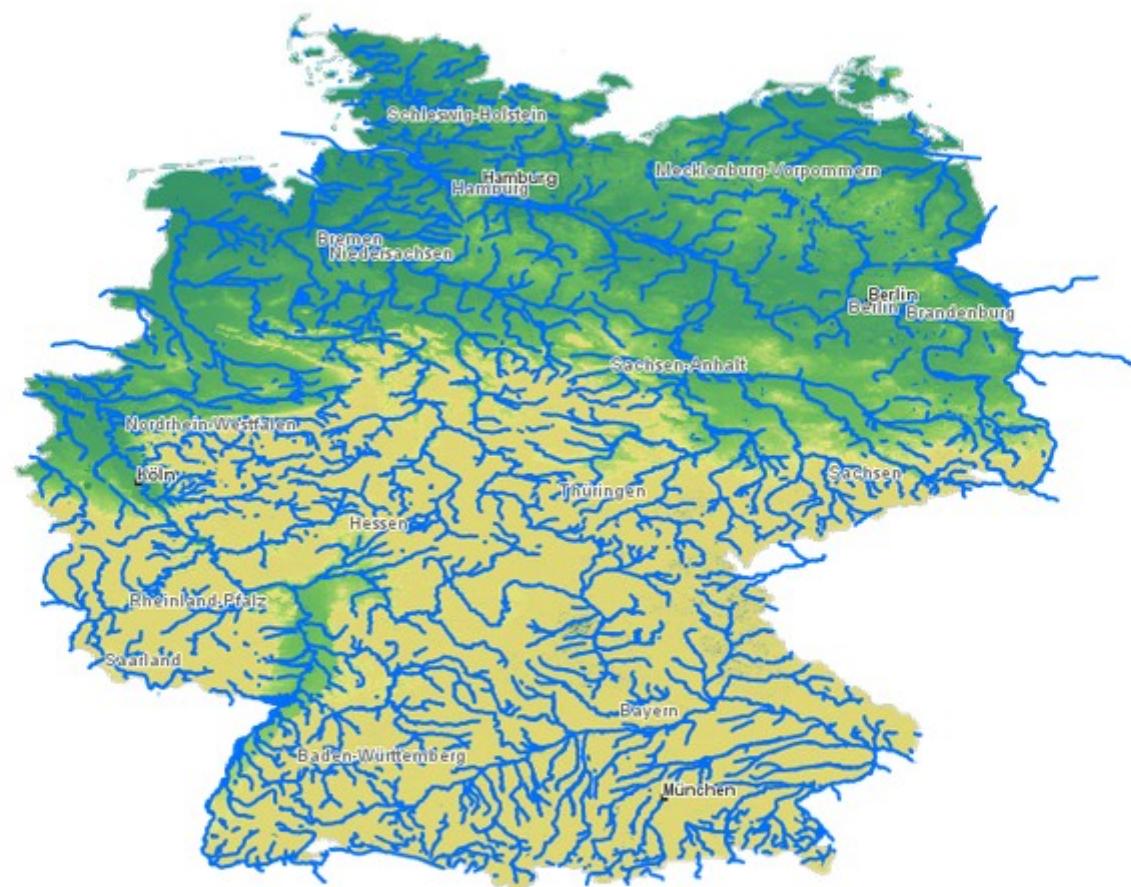
Mapbender3 - demo

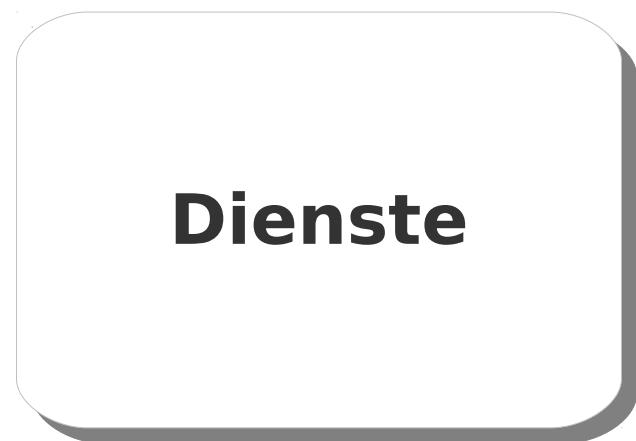
Mapbender3 - demo

sandbox.mapbender3.org/application/demo



Mapbender3





# **Einmaliges Veröffentlichen Konfiguration Zugriffskontrolle**

Mapbender3 - Add Service - Chromium

Mapbender3 - Add Service

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

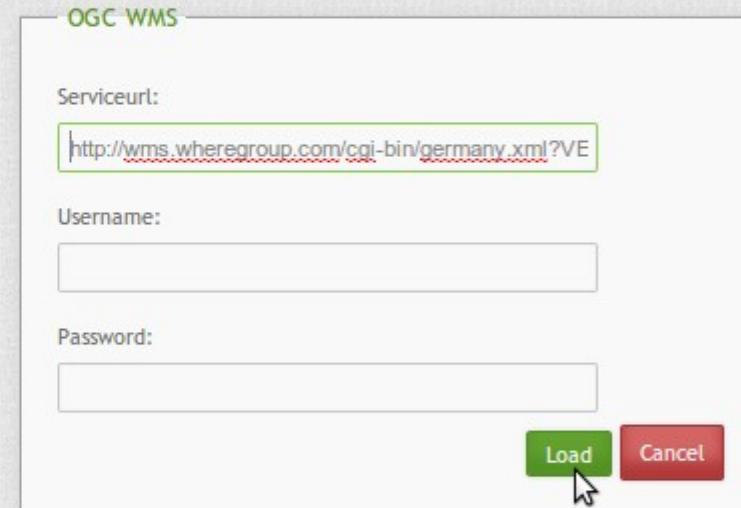
OGC WMS

Serviceurl:

Username:

Password:

Load Cancel





Mapbender3

v. 3.0.1.0

## Services

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

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/digimapgb.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](mailto: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

v. 3.0.1.0

## WMS BGS 50000 scale digital geology

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

Metadata

Contact

Details

Layers

Back

Title:	BGS 50000 scale digital geology
Name:	OGC:WMS
Version:	1.1.1
Origin URL:	<a href="http://maps.bgs.ac.uk/ArcGIS/services/BGS_Detailed_Geology/MapServer/WMServer?service=WMS&amp;version=1.1.1&amp;request=GetCapabilities">http://maps.bgs.ac.uk/ArcGIS/services/BGS_Detailed_Geology/MapServer/WMServer?service=WMS&amp;version=1.1.1&amp;request=GetCapabilities</a>
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 <a href="http://www.bgs.ac.uk/products/digitalmaps/digmapgb.html">http://www.bgs.ac.uk/products/digitalmaps/digmapgb.html</a>. These data are delivered under the terms of the Open Government Licence (<a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a>), 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 <a href="mailto:bgsdata@bgs.ac.uk">bgsdata@bgs.ac.uk</a>.</p>
Online Resource:	<a href="http://www.bgs.ac.uk/products/digitalmaps/digmapgb_50.html">http://www.bgs.ac.uk/products/digitalmaps/digmapgb_50.html</a>
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 (<a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a>), 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>



Mapbender3

v. 3.0.1.0

## Wms Instance - Germany

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

Origin URL

Save

Cancel

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

Format\*

image/png

 Visible

Infoformat

text/html

 Proxy

Exceptionformat

application/vnd.ogc.se\_xml

 Transparency

Opacity\*

100

 Tiled

Title	Minsc	Maxsc	Active	Select		Info		Toggle		Reorder	
				allow	on	allow	on	allow	on	allow	on
Germany	1	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 checked="" type="checkbox"/>
▶ topography	1	9.99999460	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▶ border	750000	124999932f	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▶ federal states	750000	7999996	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▶ places	0	8999995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



**Rollen**

Mapbender3 - New User - Chromium

Mapbender3 - New User

sandbox.mapbender3.org/manager/user/new

Logged in as: root

v. 3.0.1.0

**New User**

Base data    Profile    Groups    Security

Username\*    Astrid Emde

E-Mail\*    astrid.emde@wheringroup.com

Choose password\*: .....

Confirm password\*: .....

Create    Cancel

The screenshot shows a web-based administration interface for Mapbender3. The top navigation bar includes a logo, the title 'Mapbender3 - New User - Chromium', and a URL 'sandbox.mapbender3.org/manager/user/new'. A status bar at the top right says 'Logged in as: root'. The main content area has a header 'New User' and a sub-header 'Base data' with tabs for Profile, Groups, and Security. The 'Base data' tab is active. It contains four input fields: 'Username\*' with value 'Astrid Emde', 'E-Mail\*' with value 'astrid.emde@wheringroup.com', 'Choose password\*' with placeholder '\*\*\*\*\*', and 'Confirm password\*' with placeholder '\*\*\*\*\*'. At the bottom right are 'Create' and 'Cancel' buttons.



Logged in as: root



Mapbender3

v. 3.0.1.0

## 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](#)

Mapbender3 - demo - Chromium

Mapbender3 - demo

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

Logged in as: root

v. 3.0.1.0

Mapbender3

demo

Applications  
Services  
User Control  
Groups  
ACLs

Base data Layout Layers Security

Publish

Filter

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

User	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



## Anwendung



Scale 1 : 5000

### Image Export

Choose Export Format

- PNG
- JPG

Export

Cancel

+

200 m

x: - y: -

ETRS89 / UTM zone 32N

5000

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Scale 1 : 5000

### Image Export

Choose Export Format

PNG

JPG

Export

Cancel

### Öffnen von export\_20131211144040.png

Sie möchten folgende Datei öffnen:

export\_20131211144040.png

Vom Typ: PNG Image (1,7 MB)

Von: http://[REDACTED]

Wie soll Firefox mit dieser Datei verfahren?

Offnen mit Durchsuchen...

Datei speichern

Für Dateien dieses Typs immer diese Aktion ausführen

OK

Abbrechen

200 m

x: - y: -

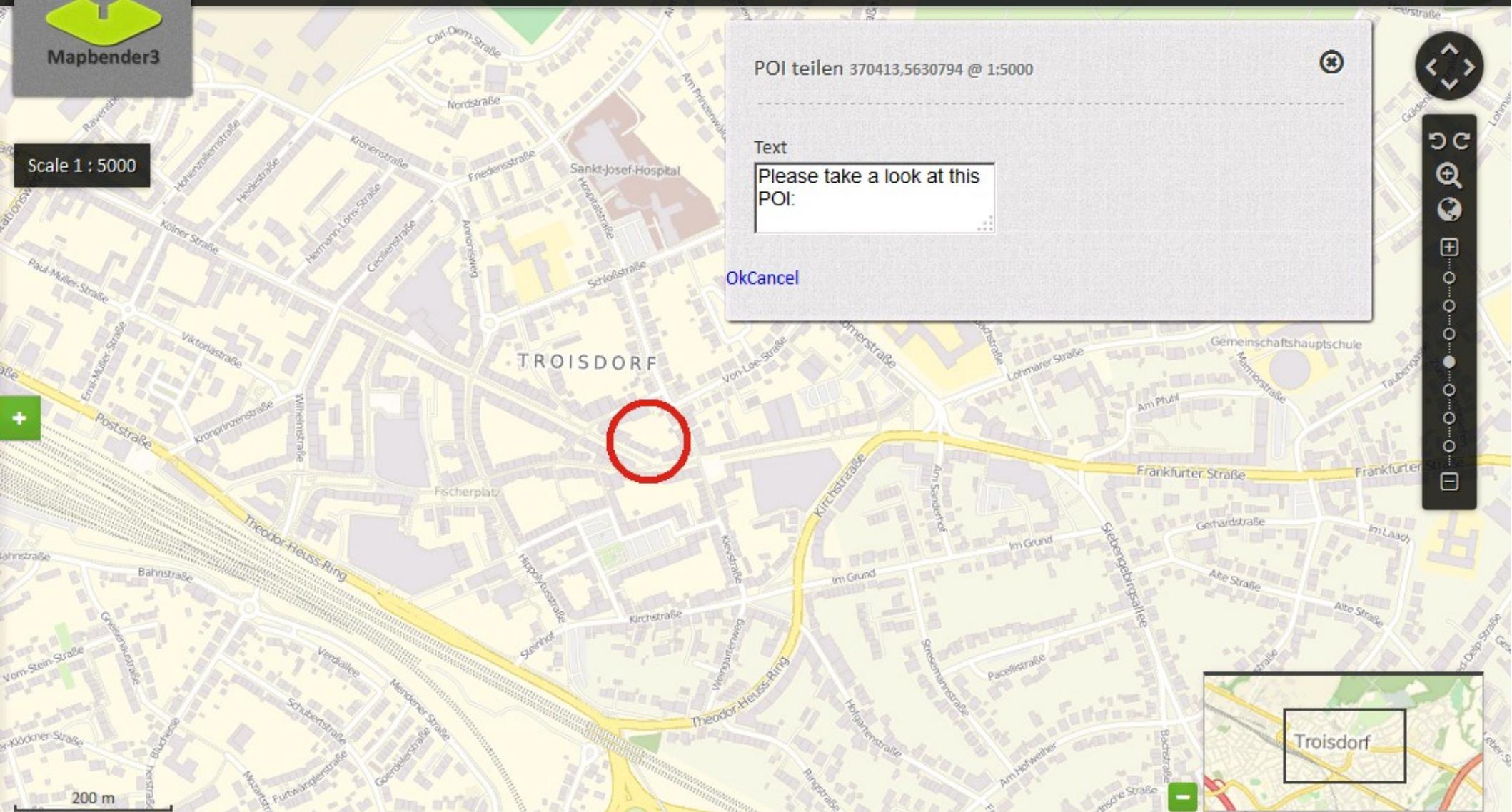
ETRS89 / UTM zone 32N

5000

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Scale 1 : 5000

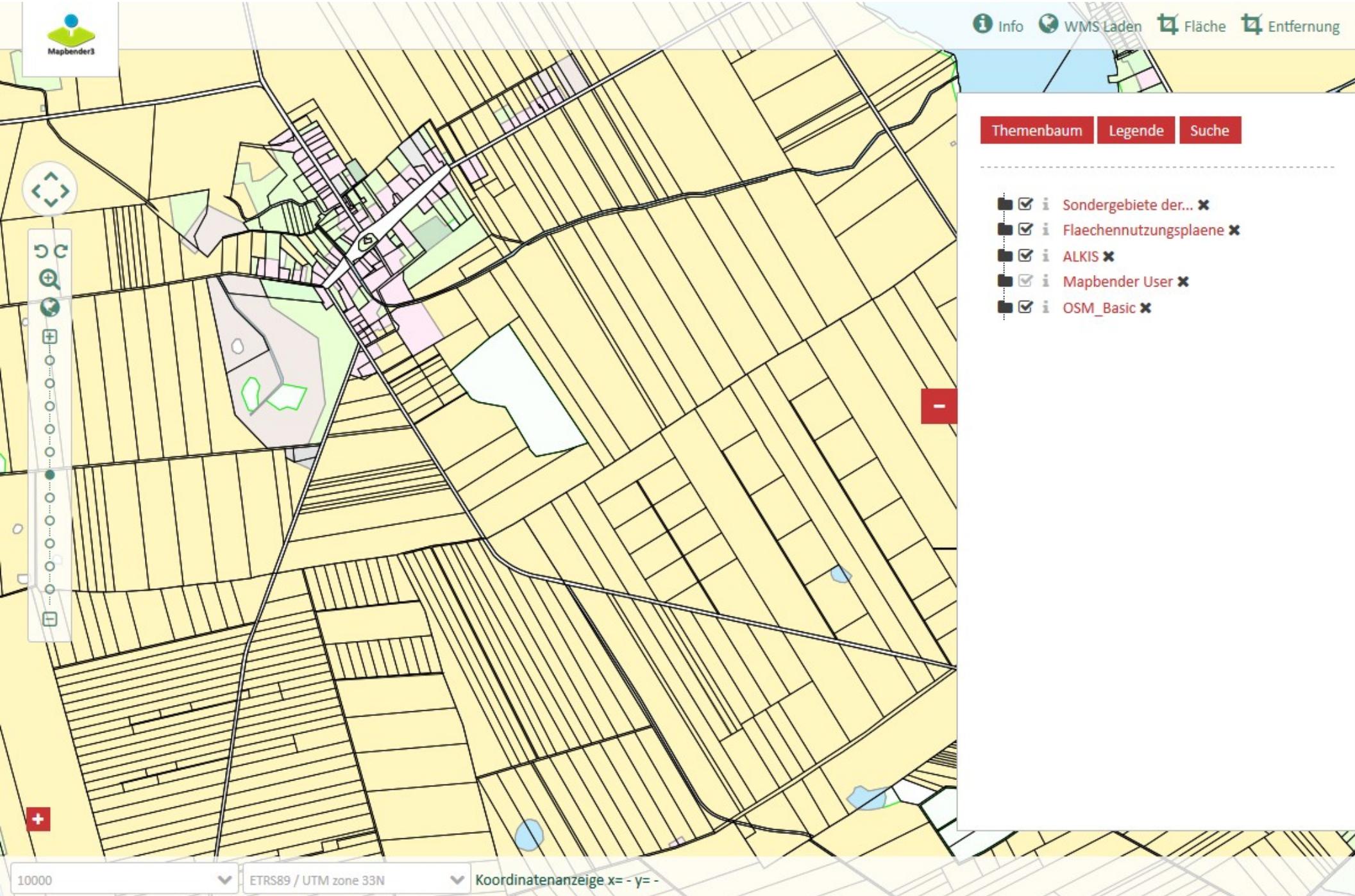


x: - y: -

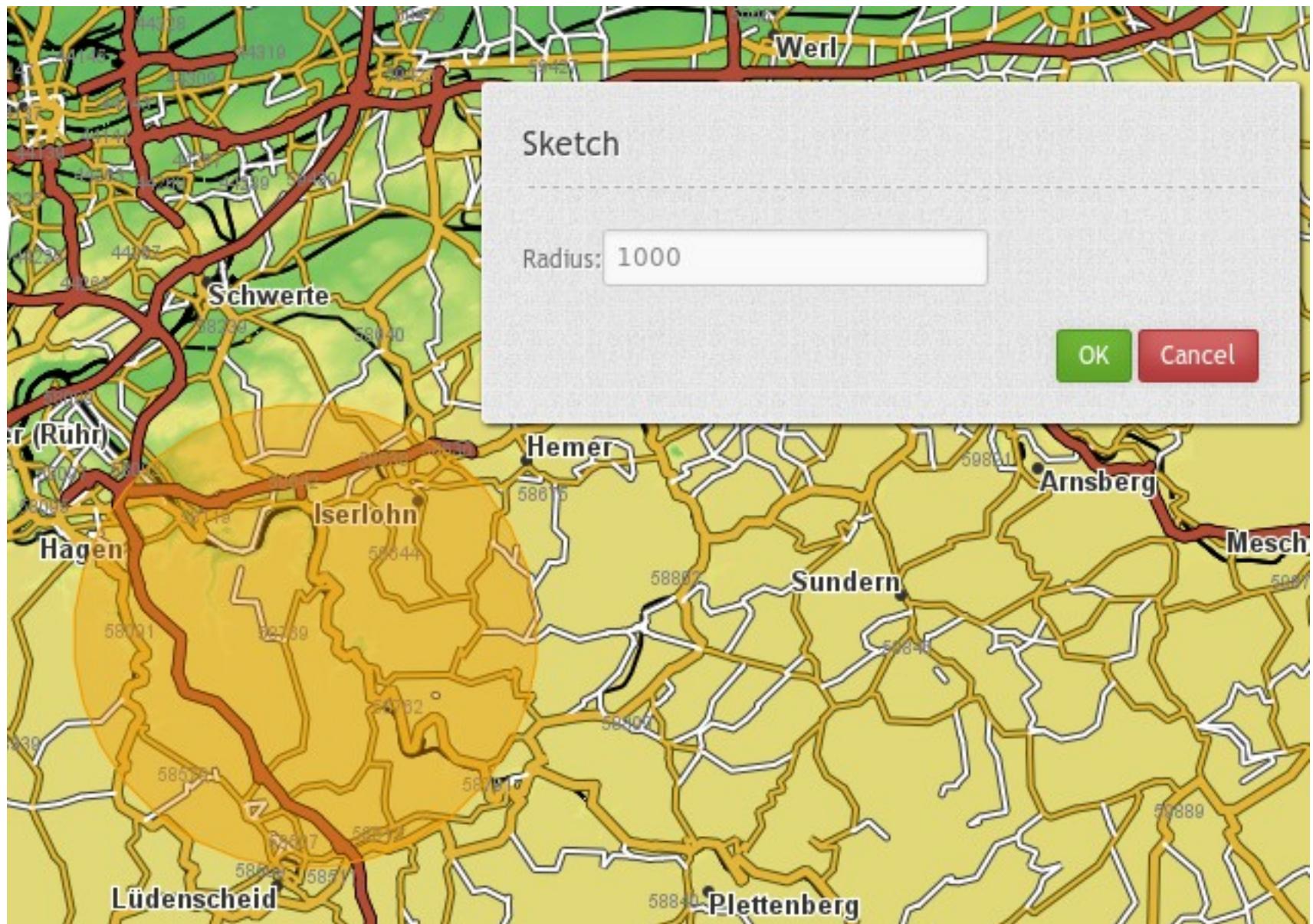
ETRS89 / UTM zone 32N

5000

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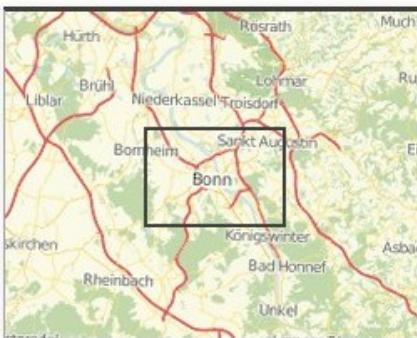
Mapbender3 Astrid Emde Where2B 2013 Bonn



# Geoportal Lippe

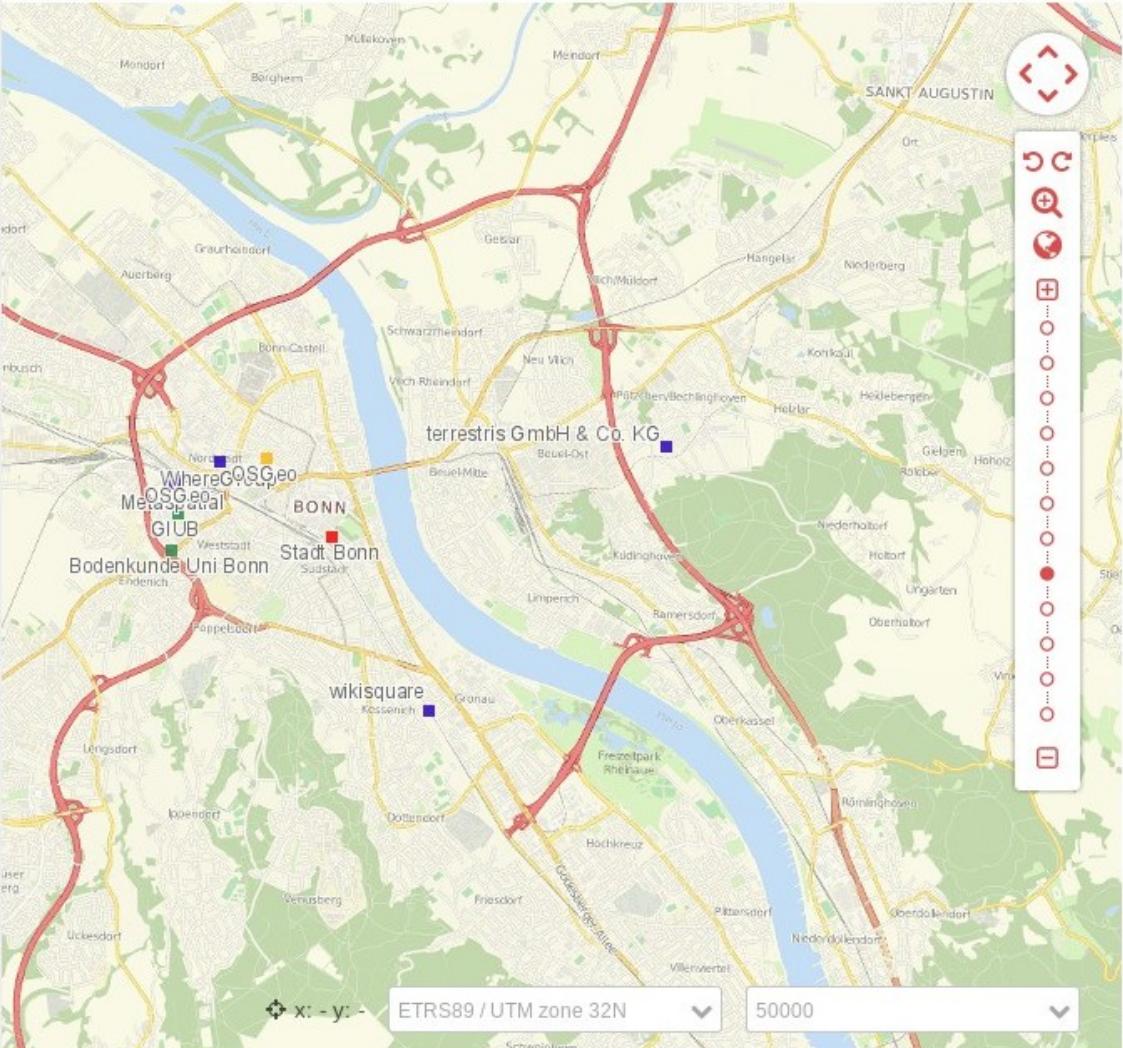
Geothemen | D115 | Allgemeine Suche | Kartenanzeige

 Suchen

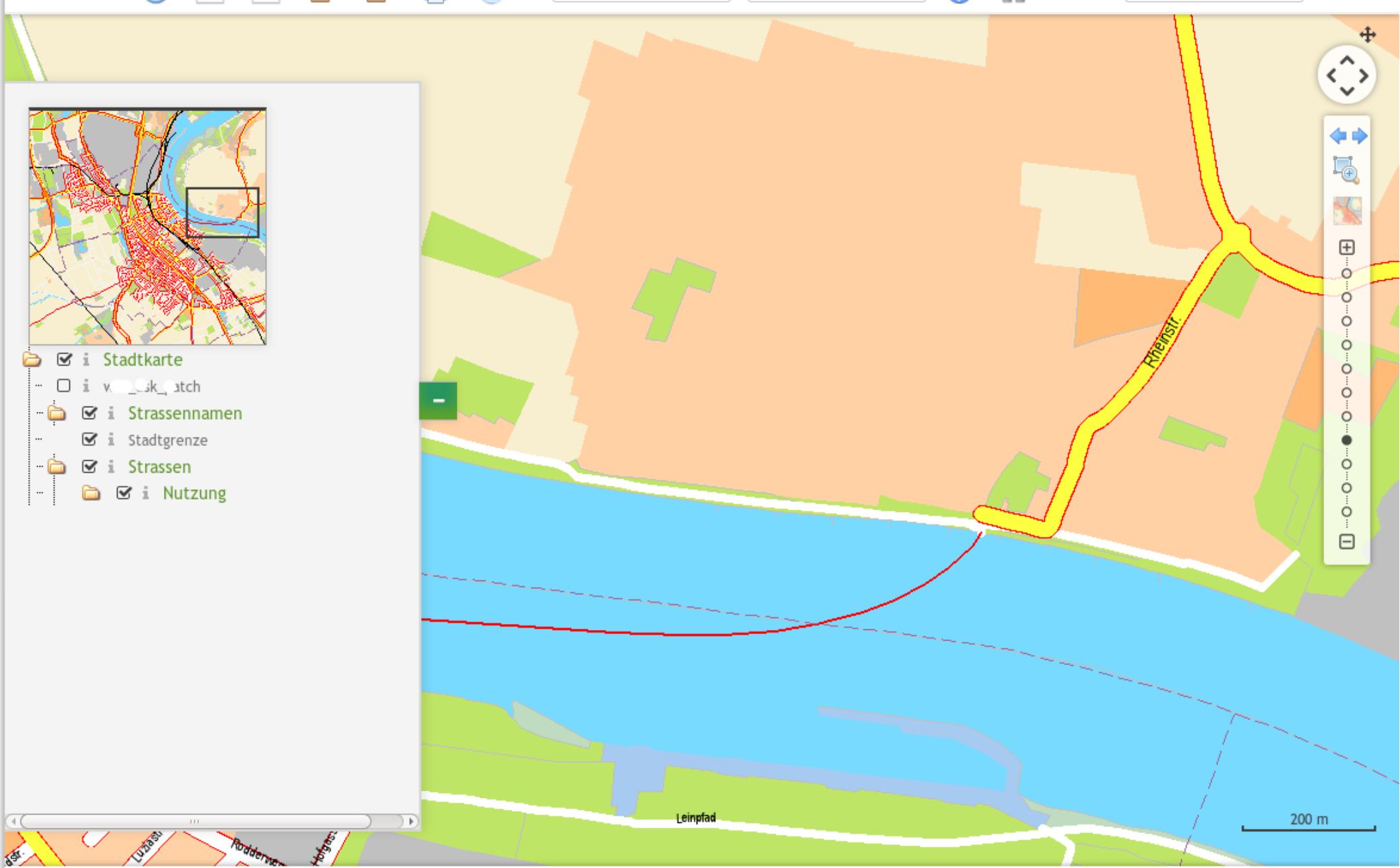


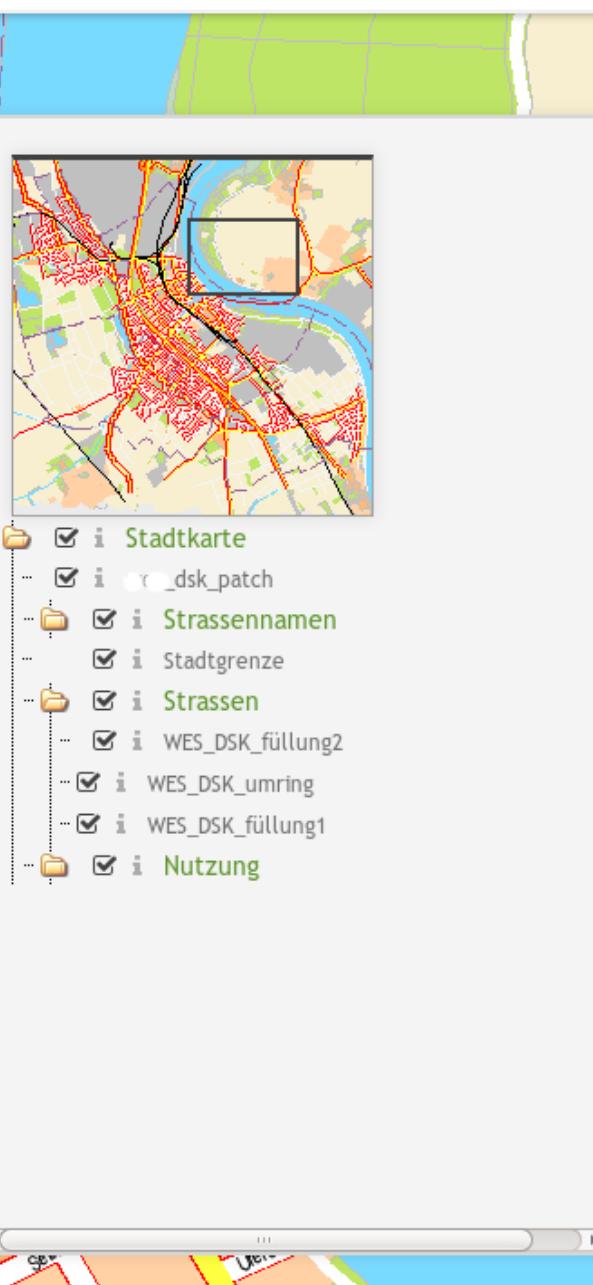
- Mapbender Users ×
- Name ×
- User ×
- Mapbender OSM ×
- OSM-Demo WhereGroup ×

Legend WMS Loader GPS Line Ruler Area Ruler About



Impressum 1 : 5000 ETRS89 Thema:





### Suche

Route\*

Gemeinde\*

Bezeichnung\*

Hausnummer\*

Straße	Hausnummer
Ahrstraße	41
Ahrstraße	43
Ahrstraße	45
Ahrstraße	47
Ahrstraße	49

200 m

Rechtswert :

Hochwert :

Maßstab : 1 : 5000

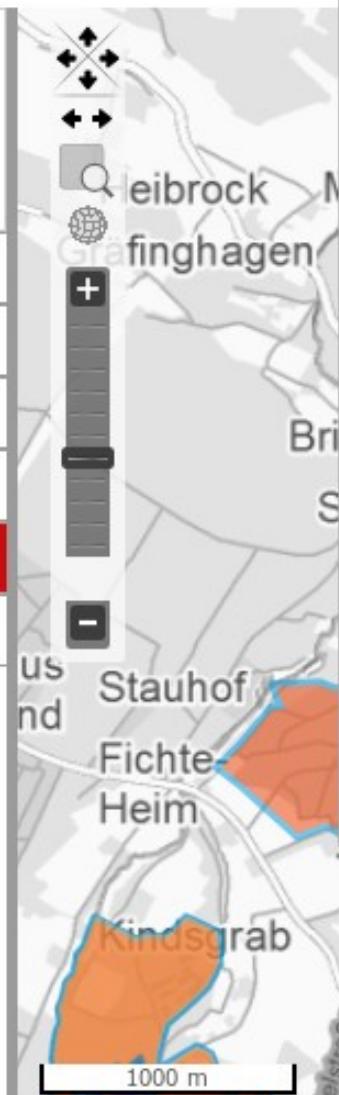


Kartenebenen

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	<a href="#">Planzeichnung laden</a>
Download der textlichen Festsetzungen als PDF	<a href="#">Textl. Festsetzung laden</a>
Download: Planzeichnung als PDF	<a href="#">Planzeichnung als PDF</a>

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.

Scale = 1 : 25K

x = - y = -

ETRS89 / UTM zone 32N

# Lippe GEOPORTAL

offen, sympathisch, zukunftsorientiert

115

Allgemeine Suche

Kartenanzeige

Weitere Geothemen

Geoportal Kreis Lippe



Map overview showing a green polygon representing the current view. Includes zoom controls, a scale bar (0-1000m), and a legend.

- Kartenebenen
- Legende
- Information
- Adresssuche

200 m

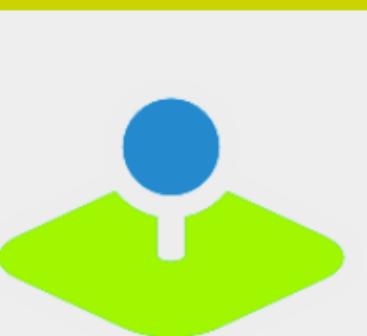




# Themenplan WMC

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## 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](#)



# Themenplan WMC Editor

Wmc Editor - wmc.create

Public

Title\*  
MyConfiguration

Abstract  
nice configuration

Keywords  
nature,traffic,fun

Descriptionurl\*

Format

Href

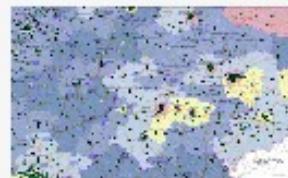
Logourl\* (screenshot or width, height etc.)

[Karten](#)[Suche](#)[Service](#)

Nach welchem Ort suchen Sie?  
z.B. Stadt, PLZ, Adresse



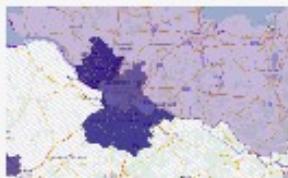
Bundestagswahl 2013



Zukünftige Entwicklung  
der Schulbevölkerung



115-Erreichbarkeit



115-Verbund



## Unser Karten-Tipp

### Bundestagswahl

Der Deutsche Bundestag ist die Volksvertretung der Bundesrepublik Deutschland und als maßgebliches Gesetzgebungsgremium ihr wichtigstes Organ. Er besteht aus Abgeordneten des deutschen Volkes, die in allgemeiner, unmittelbarer, freier, gleicher und geheimer Wahl auf vier Jahre gewählt werden.

› [Details zum Karten-Tipp](#)

› [Karte anzeigen](#)



## Nach was suchen Sie?

Geodaten & Inhalte über Suchbegriffe

### Beliebte Suchanfragen

› [Umwelt](#)

› [Bevölkerung](#)

› [Klima](#)



## Mobile Lösung





## Aktuelle Entwicklungen

- parametrisierter Aufruf über Koordinate
- Internationalisierung
- Kontextmenü im Layerbaum
- Kopplung MeTaDor an Mapbender3



## Nächste Schritte

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



# Mapbender3

Download

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The screenshot shows the Geoportal.DE web application interface. At the top, there are buttons for 'Öffnen' (Open), 'Speichern' (Save), 'Drucken' (Print), 'Ansicht' (View), and 'Werkzeuge' (Tools). Below this is a search bar labeled 'Suche nach Karten:' with a magnifying glass icon. To the right of the search bar is the URL 'http://www.geoportal.de/'. The main area displays a map of the Cologne/Bonn region with several layers visible in the legend:

- Auswählbare Ebenen (3)** (Selectable Layers):
  - Eisenbahntrasse
  - Laermkarte Schiene
  - VBG\_Einwohnerdichte
- Karte** (Map) layer
- Karte grau** (Grey Map) layer
- Luftbilder** (Aerial Images) layer
- Kein Hintergrund** (No Background) layer

The map itself shows a network of roads and highways (A1, A4, A41, A44, A553, A555, A556, A560, A562, A565, A45) and the city boundaries of Köln and Bonn. The 'VBG\_Einwohnerdichte' layer is currently selected, appearing as a purple-shaded polygon over the city area.

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.

Chlob 20. Desarrollares

Mapbender.org

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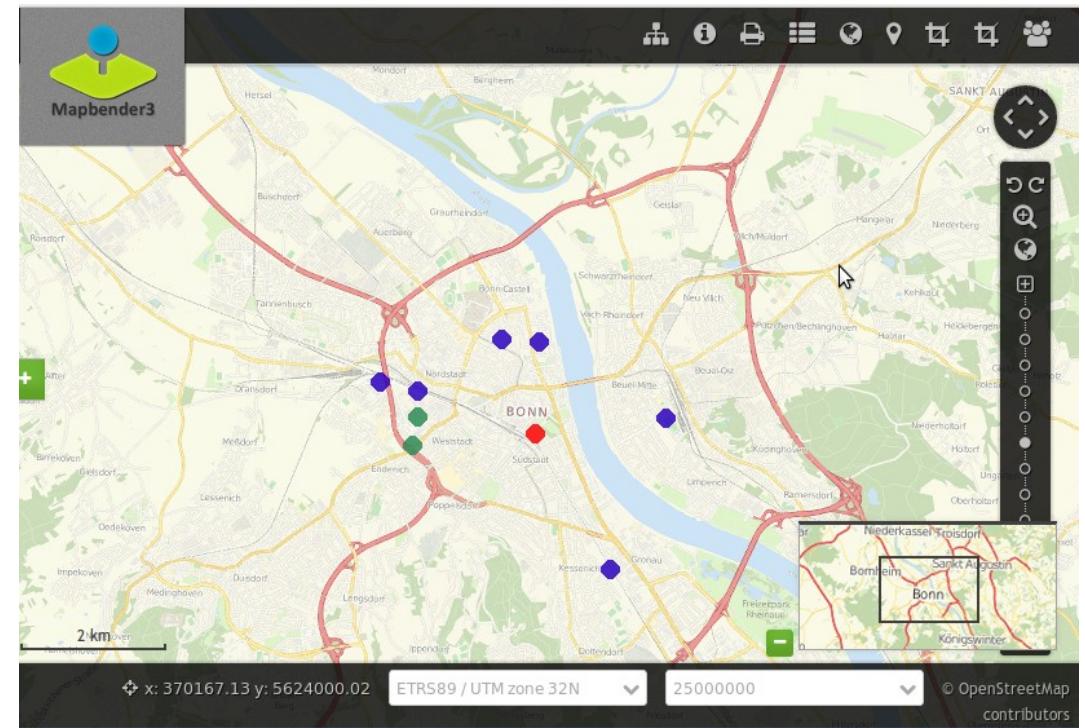
Enter search terms or a module, class or function name.



# Mapbender3 Demo

Testen Sie Mapbender3

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





## Installation

**Download Pakete**

**<http://mapbender3.org/en/download>**

**git Repositories**

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

**Dokumentation der Installation und Elemente**

**<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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