



WhereGroup



Mapbender

to create Web Applications for you needs

Astrid Emde, WhereGroup

FOSS4G Europe 2018 Guimarães (Portugal)





Astrid Emde

- Mapbender Team

-  WhereGroup Bonn (Germany)
-  FOSSGIS (OSGeo local chapter)

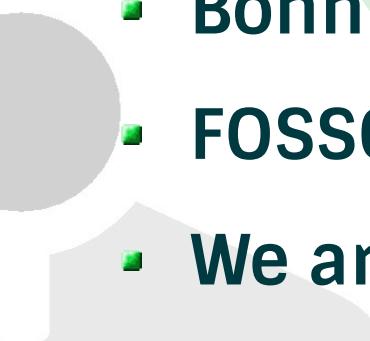
- OSGeo Charter Member since 2010
- OSGeo Board Member since 2017
- Involved in  OSGeoLive





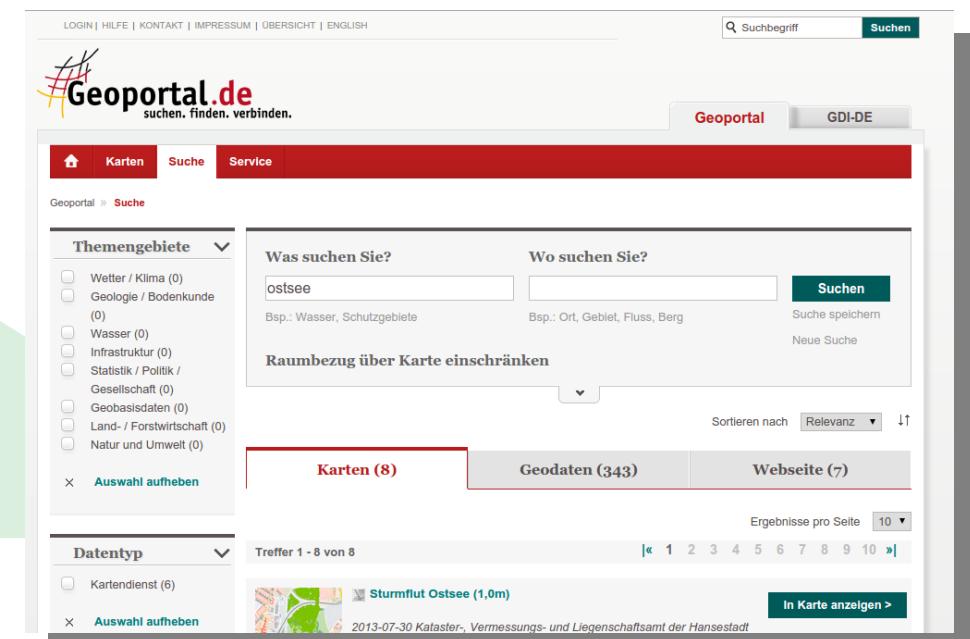
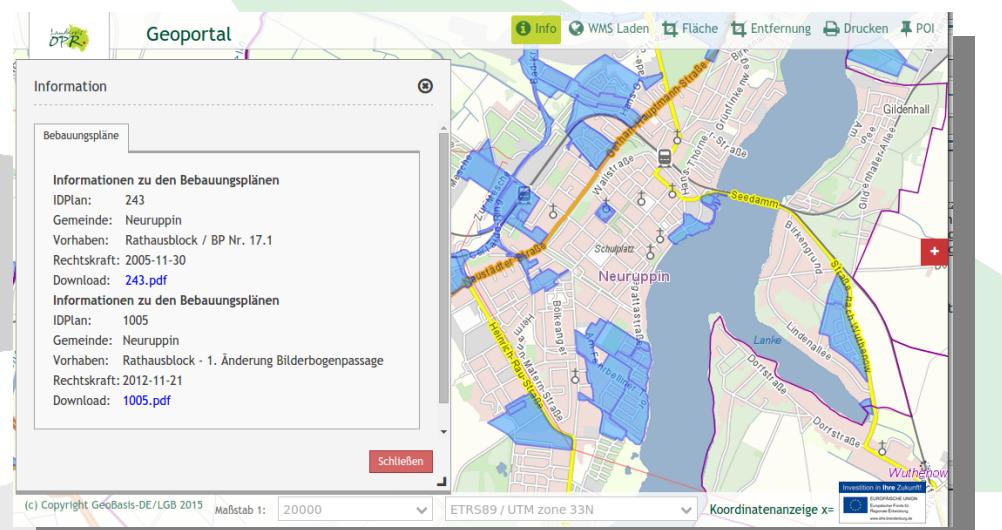
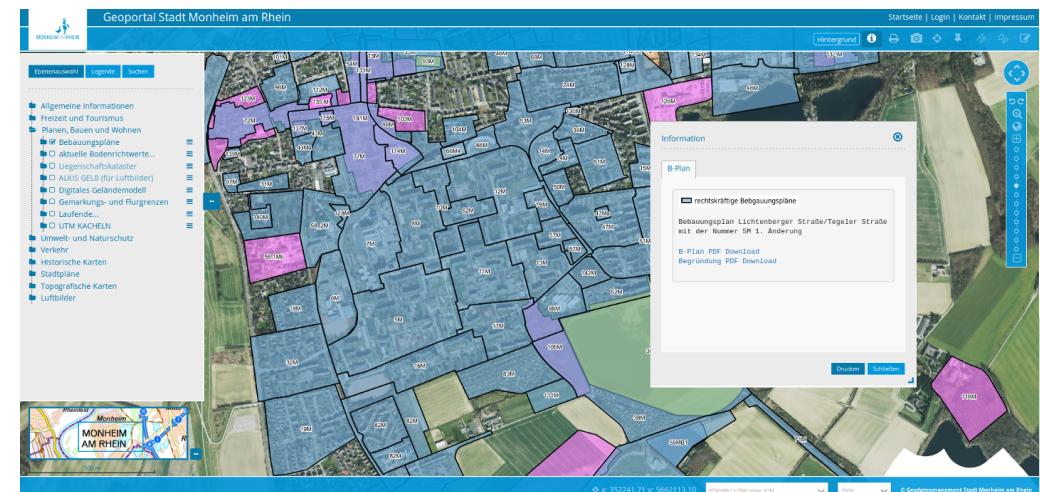
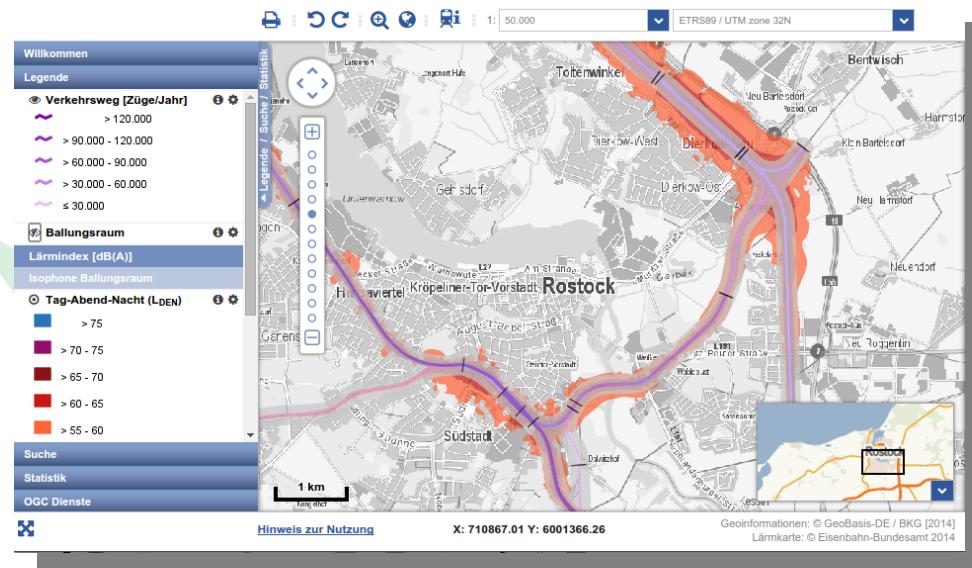
WhereGroup

- > 30 employees - developers, consultants & geospatial experts
- Working with Open Source Software for more than 15 years
- Company behind Mapbender, Metador & Mops
- Bonn – Berlin – Freiburg
- FOSSGIS e.V. member & OSGeo sponsor
- We are hiring!





WhereGroup



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães





WhereGroup

Metador - Metadataeditor

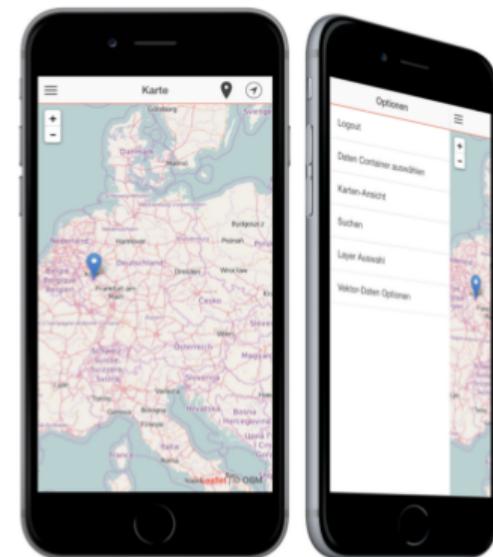
The screenshot shows the Metador interface with a sidebar containing tools like 'Filter zurücksetzen' and 'CSV-Download'. The main area displays three dataset cards:

- Koloss von Rhodos**: A bronze statue of Helios, built around 292 BC. It was one of the Seven Wonders of the Ancient World.
- Mausolleion**: A massive tomb built by King Mausolus of Halicarnassus around 350 BC.
- Pharos von Alexandria**: A lighthouse built by Sostratus of Cnidus around 280 BC.

Each card includes a small thumbnail, a title, a brief description, and download links for PDF, HTML, and XML.

Mops

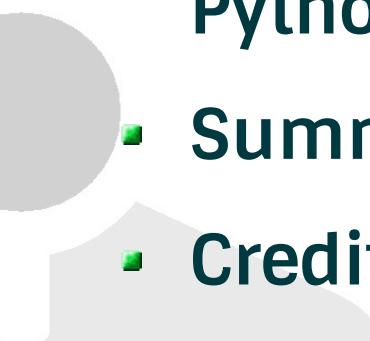
offline Client, Yaga, Leaflet





FOSS *Academy*

- Consulting & training
- <https://www.foss-academy.com/>
- Courses in german language
- QGIS, QGIS Server, MapServer, GeoServer, PostgreSQL/PostGIS, Mapbender, MapProxy, OSM, Python
- Summer- & Winterschool with IHK Certificate
- Credits for courses at UNIGIS Salzburg



@FOSS4G Code Sprint BaseCamp Bonn 2016



@FOSS4G Code Sprint BaseCamp
Bonn 2018



Die Konferenz für Freie Open Source GIS Software und freie Geodaten

Highlights

Dialoge im Bärenzwinger
OSM-Samstag

Termine

08/2018: Call for Papers
12/2018: Anmeldung

Infos

www.fossgis-konferenz.de
twitter.com/FOSSGIS_Konf



FOSSGIS 2019

DRESDEN

13.-16.03.2019



<https://www.fossgis-konferenz.de/2019/>

Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães

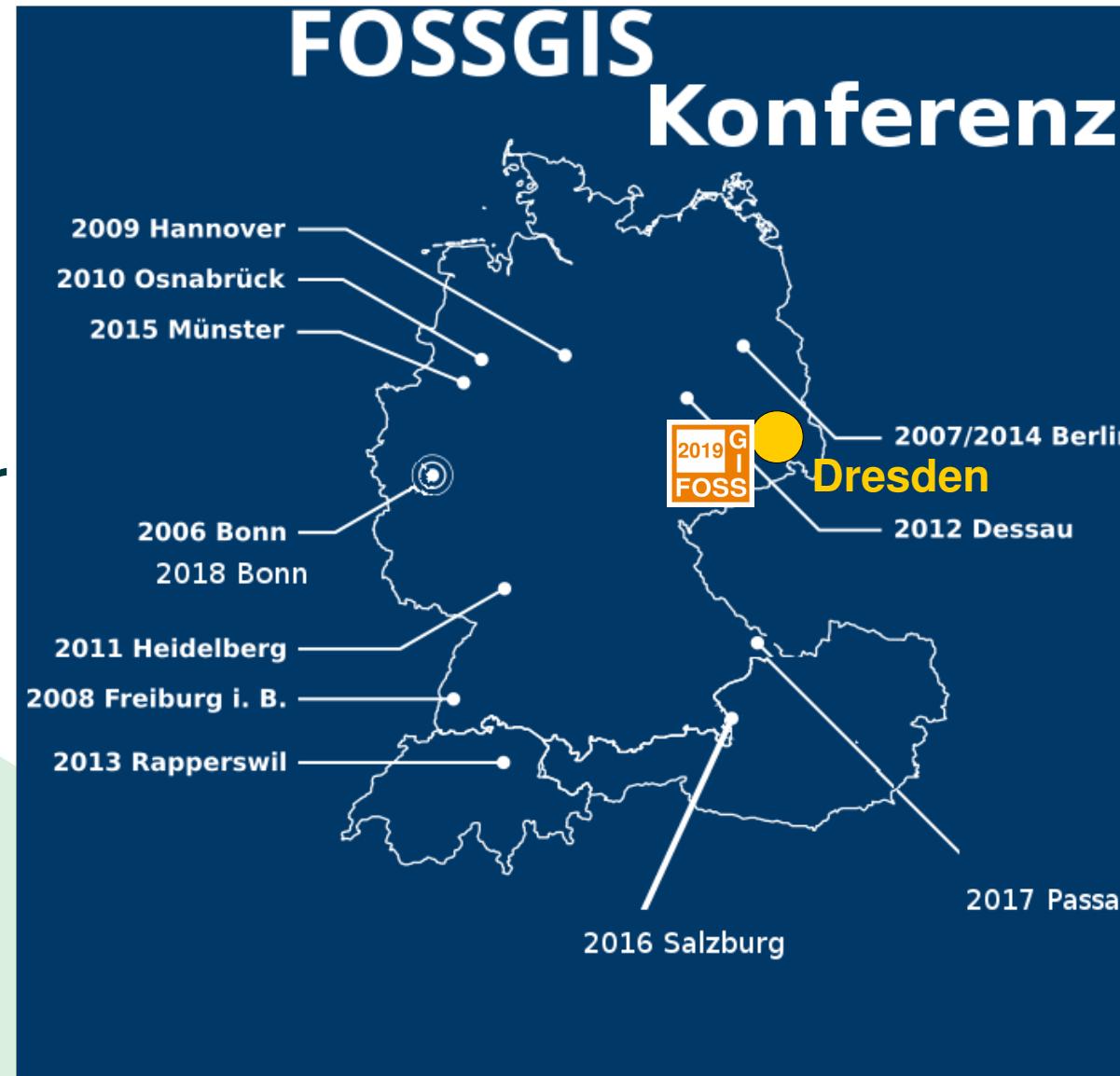




1. FOSSGIS Konferenz
March 2006 in Bonn
mit 350 Participants

**2003-2005 MapServer
Anwendertreffen**

2018 Bonn



@FOSSGIS Hacking at Linuxhotel



2017 G
I
FOSS

@Bolsena OSGeo Code Sprint 2010



FOSS4G Community Sprint 2018

- Don't miss it!
- Friday & Saturday 9am to 17h00
- at the University of Minho, in Guimarães, Portugal
- https://wiki.osgeo.org/wiki/FOSS4G-Europe_2018_Code_sprint



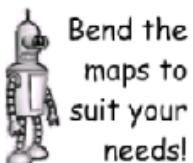


Remember how we started

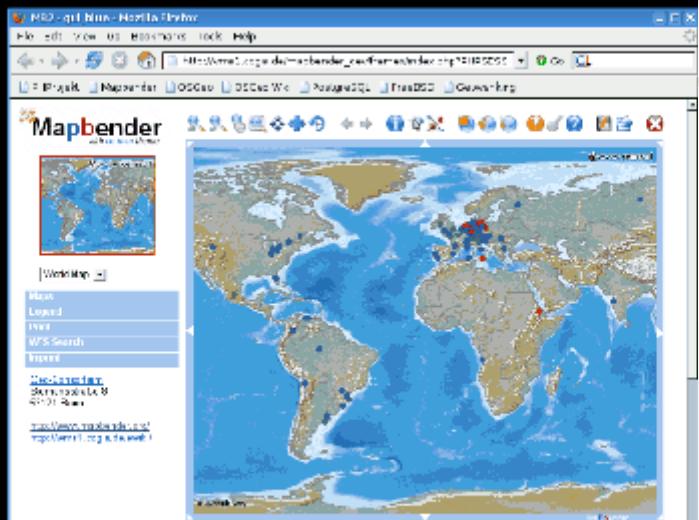


This is what people can do with Mapbender

Mapbender



The tip of the iceberg



Typical workflow

The screenshot collage illustrates the typical workflow for Mapbender:

- User Account Creation:** Shows the "User Management" screen where a new user account is being created, including fields for Name, Password, and User password.
- User Interface Configuration:** Shows the "User Interface" screen where a new interface is being created, including fields for Name, Description, Log counts, Email, Phone, Department, and a "Create interface" button.
- Map Service Catalog Management:** Shows the "Map Catalog" screen where a new catalog is being created, including fields for Name, Description, and a "Create catalog" button.
- Database Interface:** Shows a screenshot of a database application window displaying a table of data rows.

- Create user account
- Create user interface
- Secure the infrastructure
- Build map service catalogs
- Populate interface with maps
- Grant user access to interface
- Add interactive elements to map







Free and Open Source Software for
Geoinformatics 2006

Lausanne (Switzerland)

Mapbender

- an introduction to the Mapbender project

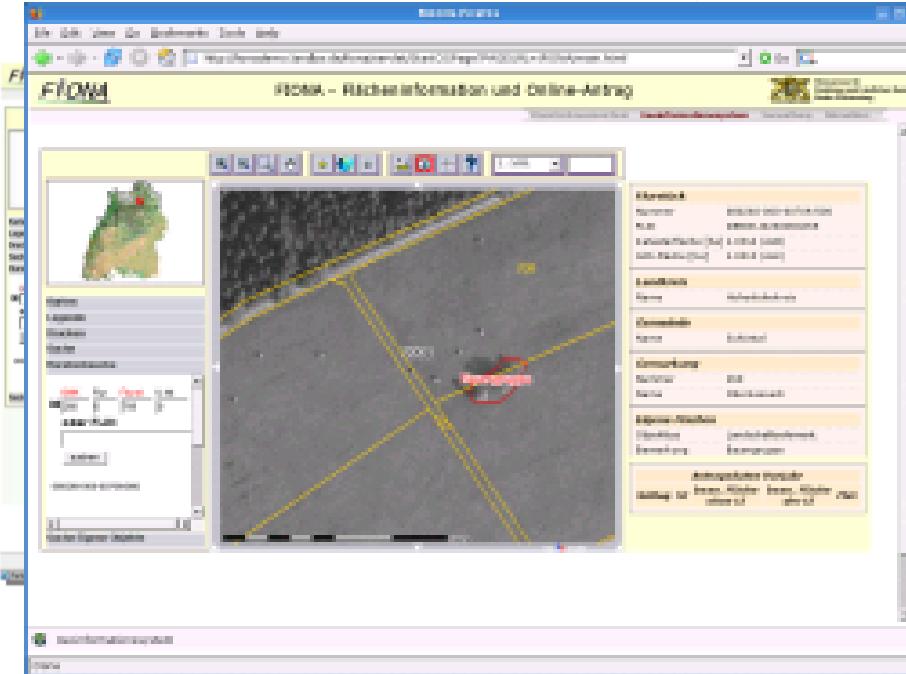
Astrid Emde
CCGIS Bonn (Germany)



FOSS4G Lausanne 2006 Astrid Emde

What does FIONA offer?

- The portal provides authenticated and secured access for 80.000 farmers to coordinate the subsidies for their farmland





Map/ @vtcraghead · 9 Std.

Man, #FOSS4G was wonderful. Glad I got to learn so much and see so many of my "digital colleagues" in person!

🌐 Original (Englisch) übersetzen



GIF

1

1

10



↳ OSGeo hat retweetet



David Bitner @bitnerd · 18. Aug.

Enormous insane thanks to @MT_AppGeo @GuidoS and the entire #foss4g bloc for such a great time

🌐 Original (Englisch) übersetzen

SENORGIF.COM



GIF

1

8

38



Mapbender – Astrid Emde WhereGroup |



TIB AV Portal

- Videos from FOSSGIS, FOSS4G, FOSDEM & GRASS & ...

The screenshot shows the TIB AV Portal search interface. At the top, there's a navigation bar with links for Borrowing & Ordering, Search & Discover, Learning & Working, Publishing & Archiving, Research & Development, and TIB. Below the navigation is a search bar containing "fossgis 2017" and a dropdown menu set to "Search space: TIB for Research and Business". A red "Search" button is visible. The main content area displays search results for "fossgis 2017". On the left, there are filters for "Year of publication" (2015-2017) and "Type of media" (Audio-visual, Conference Proceedings). On the right, two video thumbnails are shown: "Eröffnungsveranstaltung der FOSSGIS-Konferenz 2017" and "FOSSGIS 2017 - Anwenderkonferenz für Freie und Open Source Software für Geoinformationssysteme : Passau 22. bis 25. März 2017". Both thumbnails include a "Free access" link.

<https://www.tib.eu/en/>





What does Mapbender do?





WebGIS Client Suite with administration web interface





Create a geoportal without writing a single line of code!





Create and maintain an OWS repository





Distribute configured services among applications





Grant users and groups access to applications and services





The Mapbender components

Applications

Services

Roles



Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender

A set of small, semi-transparent navigation icons located at the bottom right of the screen. From left to right, they include: a red arrow pointing left, a grey arrow pointing right, a blue letter 'C', and a yellow house icon.

 sandbox.mapbender3.org/application/mapbender_user



Mapbender3

Scale 1 : 100K

Wesseling

Niederkassel

1

4

1

A 555

1

4

1

ETRS89 / UTM zone 32N

10000

© OpenStreetMap contributors

Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães

Gallery | Mapbender - Chromium

Gallery | Mapbender x

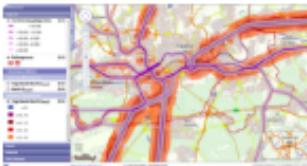
https://mapbender.org/?q=en/gallery

Mapbender

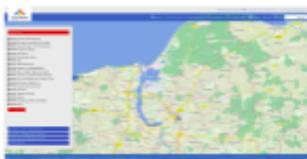
About Get Started Documentation Community Gallery Sponsoring Download

Gallery

 Geoportal.de

 Geoportal Eisenbahn-Bundesamt

 Servicezentrum Landentwicklung und Agrarförderung Niedersachsen

 Geoportal HRO

 OSGeo Project

Follow us on Twitter
<https://twitter.com/mapbender/>

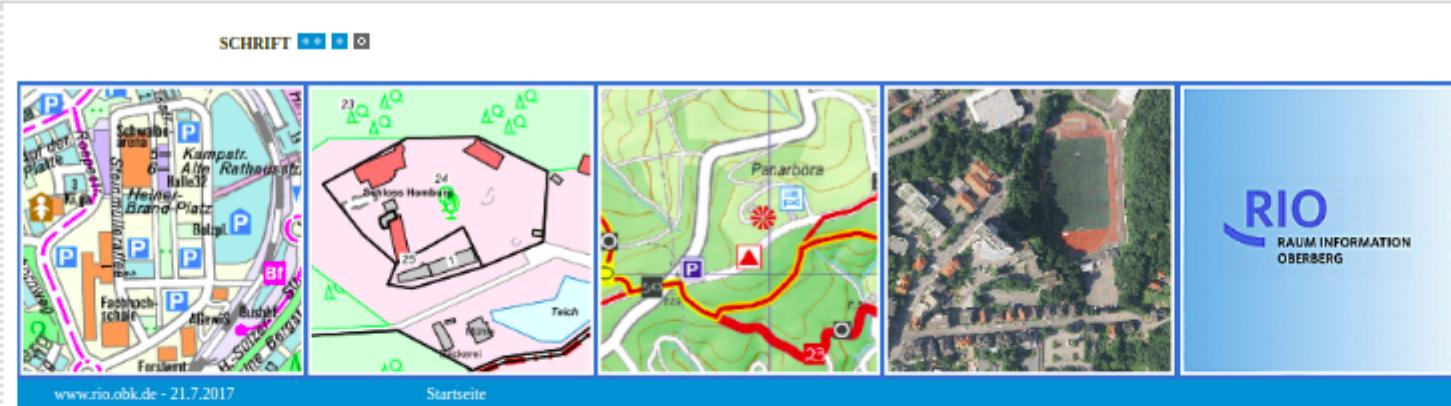
#Mapbender

OpenStreetMap Somalia Retweeted

OSGeo @OSGeo

#foss4ge - make plans for the weekend & join our #foss4ge Community Sprint on saturday and sunday. Check wiki page wiki.osgeo.org/wiki/FOSS4G-Europe #OSGeo #osm #qgis #Mapbender #OSGeoLive #PyWPS already registered. You are welcome to join. See you at Universidade do Minho.

Embed View on Twitter



RIO Raum Information Oberberg

Allgemeines

Aktuelles

Themen

Service

Nutzungsrecht

Hilfe

Anwendungen

Aktuelles, Service, Kultur & Tourismus

Gesundheit, Soziales & Pflege

Kinder, Jugend & Familie

Planen, Bauen, Umwelt

Bildung in Oberberg

Wirtschaftsförderung

Wählen

RIO Raum Information Oberberg - Startseite

RIO ist das Raum Informationssystem des Oberbergischen Kreises, in dem Geoinformationen für die Öffentlichkeit bereitgestellt und präsentiert werden. Es gibt sieben verschiedene RIO-Anwendungen, die nach unterschiedlichen Themen (z.B. RIO Gesundheit, Soziales und Pflege) strukturiert sind. Jede RIO-Anwendung enthält themenbezogene Fachdaten, die sich nach Auswahl darstellen und drucken lassen.

Ich akzeptiere die Hinweise und rechtlichen Einschränkungen unter [RIO-Nutzungsrecht](#) und starte eine der folgenden Anwendungen:



RAUMINFORMATION
OBERBERG

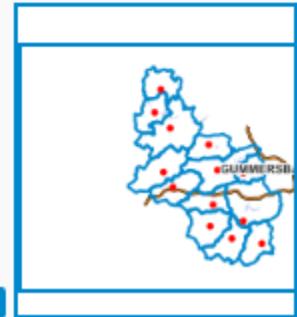
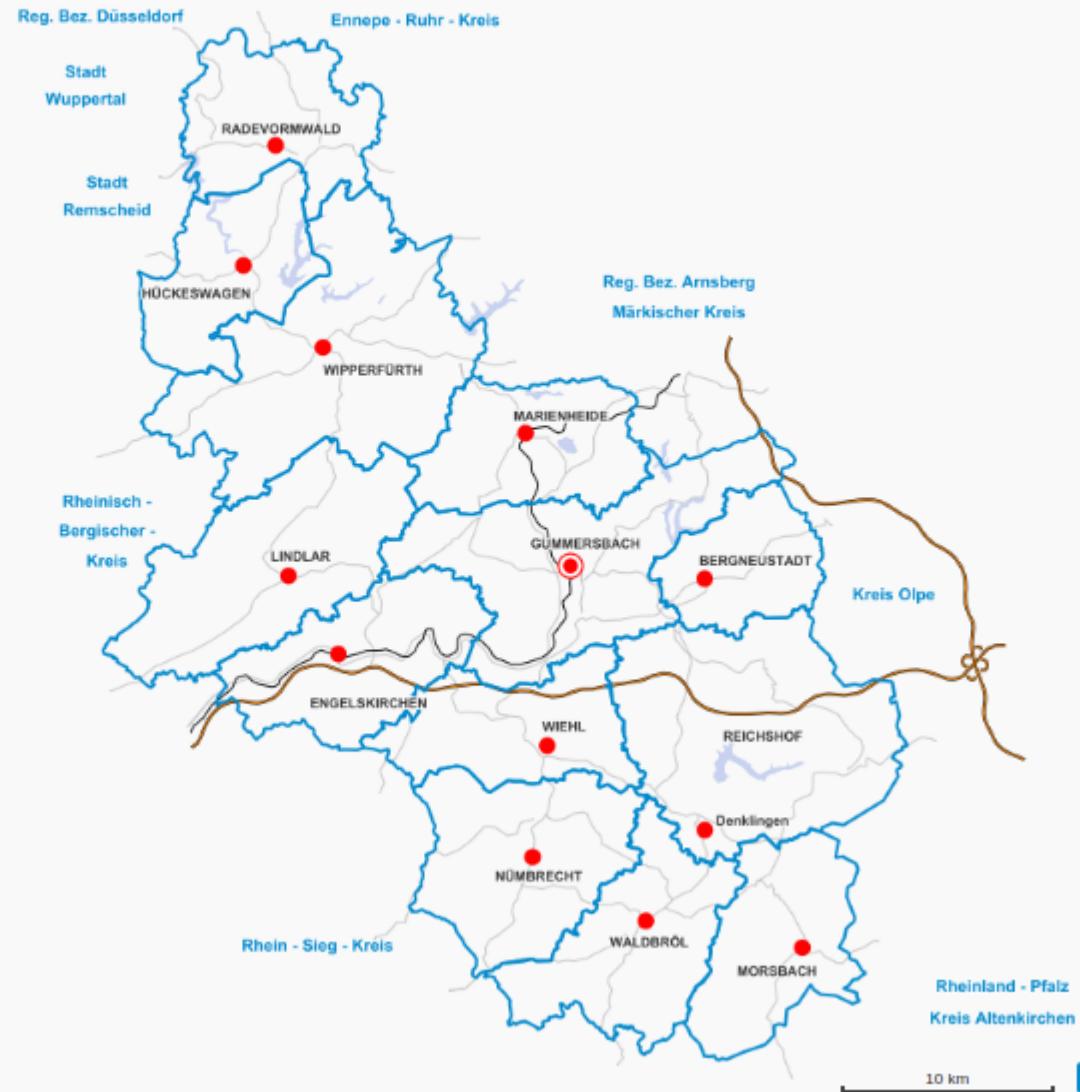
Kartenauswahl Suchen Koordinatensuche

Fachdaten

- Haltestellen VRS
- Naturpark Berg. Land
- Städte
- Naturpark Berg. Land
- Unser Dorf hat Zukunft
- Alle Preisträger
- Bund - Goldplakette, Gold
- Bund - Silberplakette, Silber
- Bund - Bronzeplakette, Bronze
- Land - Goldplakette, Gold
- Land - Silberplakette, Silber
- Land - Bronzeplakette, Bronze, 3. Rang
- Land - Sonderpreis, Ehrenpreis, Wanderpreis
- Kreis - 1a, 1b, 1. Rang

Basisdaten

- Wanderkarte
- Stadtkarte grau
- Stadtkarte light
- Stadtkarte farbig
- Gemeindeübersicht
- Relief
- Luftbilder





Kartenauswahl Suchen Koordinatensuche

Fachdaten

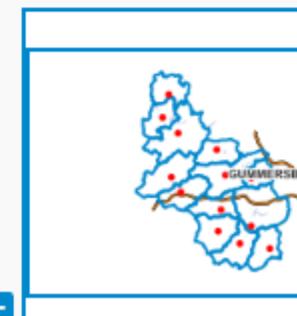
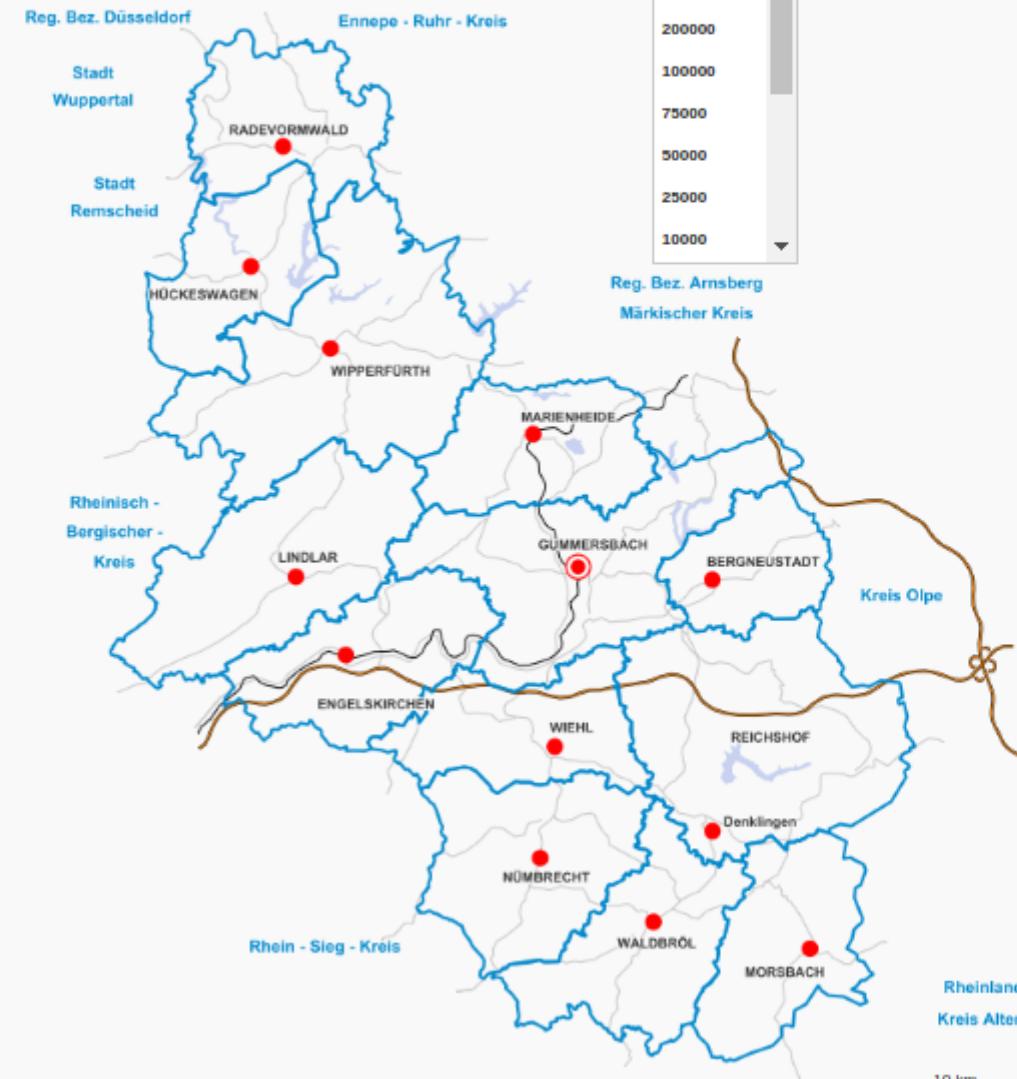
- Haltestellen VRS
- Naturpark Berg. Land
 - Städte
 - Naturpark Berg. Land
- Unser Dorf hat Zukunft
 - Alle Preisträger
 - Bund - Goldplakette, Gold
 - Bund - Silberplakette, Silber
 - Bund - Bronzeplakette, Bronze
 - Land - Goldplakette, Gold
 - Land - Silberplakette, Silber
 - Land - Bronzeplakette, Bronze, 3. Rang
 - Land - Sonderpreis, Ehrenpreis, Wanderpreis
 - Kreis - 1a, 1b, 1. Rang

Basisdaten

- Wanderkarte
- Stadtkarte grau
- Stadtkarte light
- Stadtkarte farbig
- Gemeindeübersicht
- Relief
- Luftbilder

RIO-Aktuelles, Service, Kultur und Tourismus

200000
300000
200000
100000
75000
50000
25000
10000



RAUM INFORMATION
OBERBERG

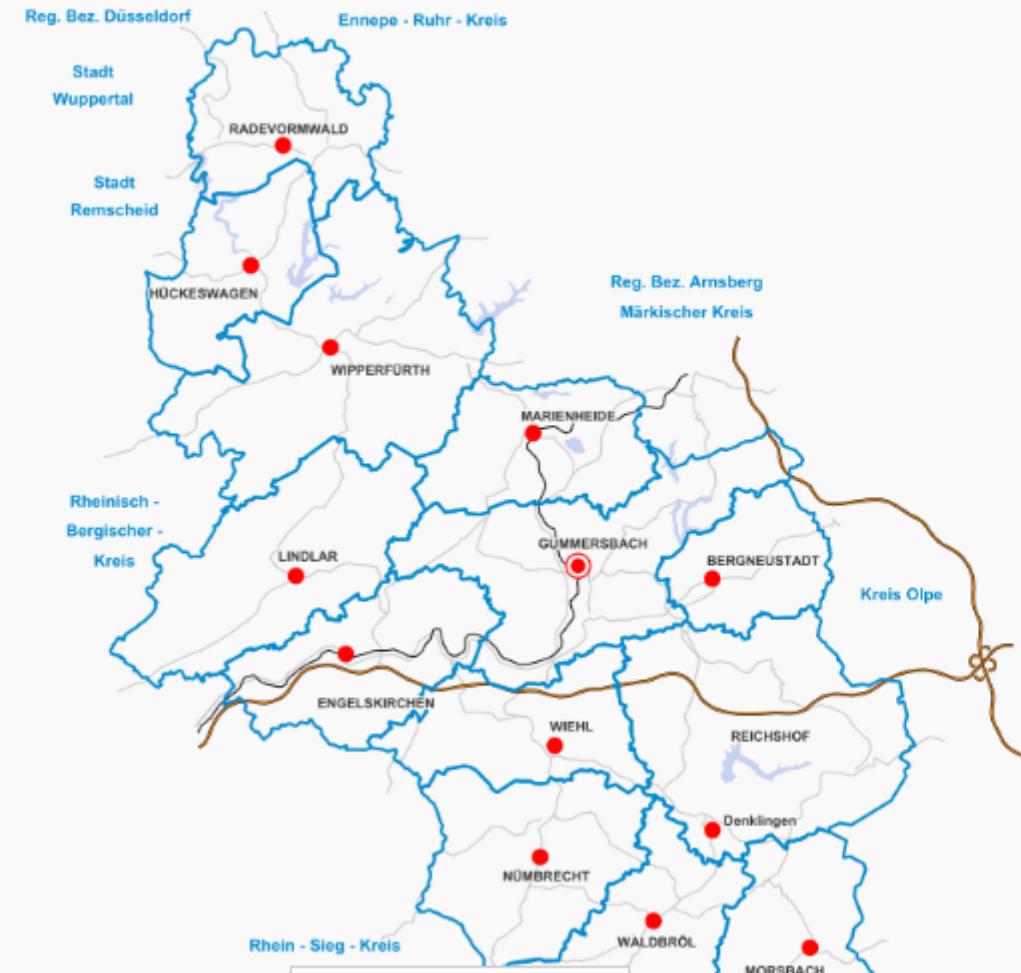
Kartenauswahl Suchen Koordinatensuche

Fachdaten

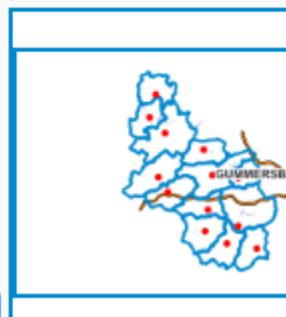
- Haltestellen VRS
- Naturpark Berg. Land
 - Städte
 - Naturpark Berg. Land
- Unser Dorf hat Zukunft
 - Alle Preisträger
 - Bund - Goldplakette, Gold
 - Bund - Silberplakette, Silber
 - Bund - Bronzeplakette, Bronze
 - Land - Goldplakette, Gold
 - Land - Silberplakette, Silber
 - Land - Bronzeplakette, Bronze, 3. Rang
 - Land - Sonderpreis, Ehrenpreis, Wanderpreis
 - Kreis - 1a, 1b, 1. Rang

Basisdaten

- Wanderkarte
- Stadtkarte grau
- Stadtkarte light
- Stadtkarte farbig
- Gemeindeübersicht
- Relief
- Luftbilder



Geobasisdaten der Oberbergischen Kommunen und des Landes NRW © Geobasis NRW 2017





Themen

RIO - RIO-Aktuelles, Service, Kultur und Tourismus

Wuppertal Reg. Bez. Düsseldorf Ennepe - Ruhr - Kreis

Stadt Wuppertal RADEVORMWALD HÜCKESWAGEN WIPPERFÜRTH LINDLAR ENGELSCHIRCHEN WALDRÖL MORSBACH

Naturpark Berg. Land

Bund - Goldplakette, Gold

Stadtgrau

Stadtlight

Stadtfarbig

Gemeindeübersicht

Relief

Luftbilder

60

Schließen

10 km

Geobasisdaten der Oberbergischen Kommunen und des Landes NRW © Geobasis NRW 2017

RIO - RIO-Aktuelles, Service, Kultur und Tourismus

200000

Kartenauswahl Suchen Koordinatensuche

Fachdaten

- Haltestellen VRS
- Naturpark Berg. Land
- Unser Dorf hat Zukunft

Basisdaten

- Wanderkarte
- Stadtgrau
- Stadtlight
- Stadtfarbig
- Gemeindeübersicht
- Relief
- Luftbilder

Legende

- Naturpark Berg. Land
- Fläche
- Unser Dorf hat Zukunft
- Bund - Goldplakette, Gold
- Stadtgrau
- Stadtlight
- Stadtfarbig
- Gemeindeübersicht
- Gemeindezentrum

10 km

Rheinisch - Bergischer - Kreis

Rhein - Sieg - Kreis

Rheinland - Pfalz

Kreis Altenkirchen

GUMMERSBACH



RIO - RIO-Aktuelles, Service, Kultur und Tourismus 10000 Themen

Fachdaten

- Haltestellen VRS
- Naturpark Berg. Land
- Städte
- Natur
- Unser Dorf
- Alle PL
- Bund
- Bund
- Land
- Land
- Land
- Land
- Kreis

Basisdaten

- Wanderkarte
- Stadtkarte
- Stadtkarte
- Stadtkarte
- Gemeinde
- Relief
- Luftbilder

Redlining

Punkt Linie Polygon Rechteck Text

Text: Mein Schulweg

Linie 1 Linie 2 Text

Schließen

Mapbender3

UTM32 ETRS89

Geobasisdaten der Oberbergischen Kommunen und des Landes NRW © Geobasis NRW 2017

GeoPortalSPN - geo_bp - Chromium

GeoPortalSPN - geo

https://geoportal.lkspn.de/gp_spn/app.php/application/geo_bp

GeoPortal

LANDKREIS SPREE-NEISSE
WOKREJS SPRJEWJA-NYSA

Eisenhüttenstadt

Luckenwalde

Elbtow-Fläming

Dahme-Spreewald

Schwarze Pumpe

Elbe-Elster

Oberlausitz

Schraden

Lauchhammer

13

Info Entfernung Fläche Aktuelle Karte weiterleiten WMS laden Hilfe

Hintergrundkarte wechseln

WMS laden

Beispiel: http://wms.wherogroup.com/cgi-bin/mapbender_user.xml?

VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS

URL:

Benutzername:

Password:

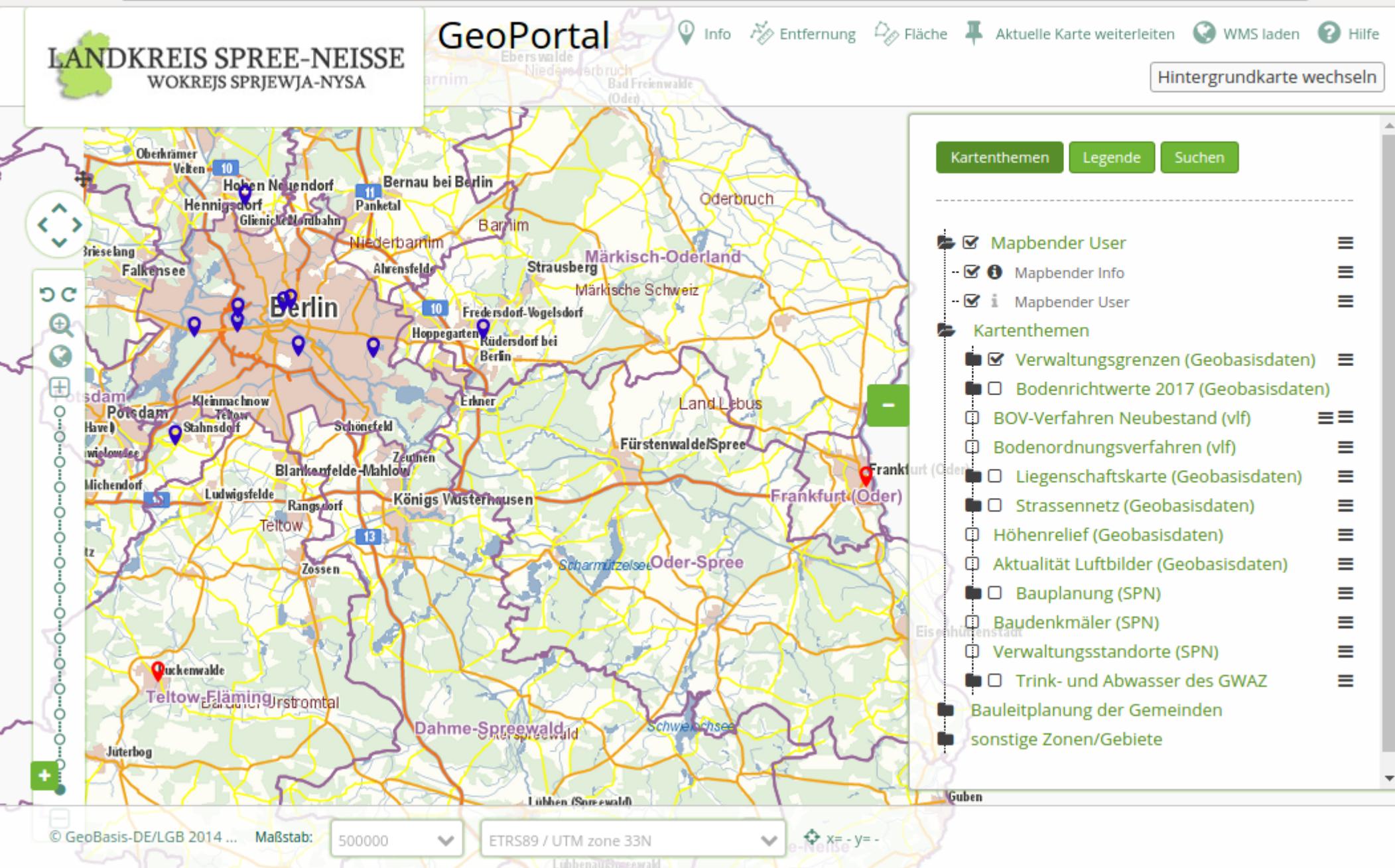
Laden Abbrechen

Kartenthemen Legende Suchen

Kartenthemen

- Verwaltungsgrenzen (Geobasisdaten)
- Bodenrichtwerte 2017 (Geobasisdaten)
- BOV-Verfahren Neubestand (vlf)
- Bodenordnungsverfahren (vlf)
- Liegenschaftskarte (Geobasisdaten)
- Strassennetz (Geobasisdaten)
- Höhenrelief (Geobasisdaten)
- Aktualität Luftbilder (Geobasisdaten)
- Bauplanung (SPN)
- Baudenkmäler (SPN)
- Verwaltungsstandorte (SPN)
- Trink- und Abwasser des GWAZ
- Bauleitplanung der Gemeinden
- sonstige Zonen/Gebiete

© GeoBasis-DE/LGB 2014 ... Maßstab: 500000 ETRS89 / UTM zone 33N x= - y= -



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



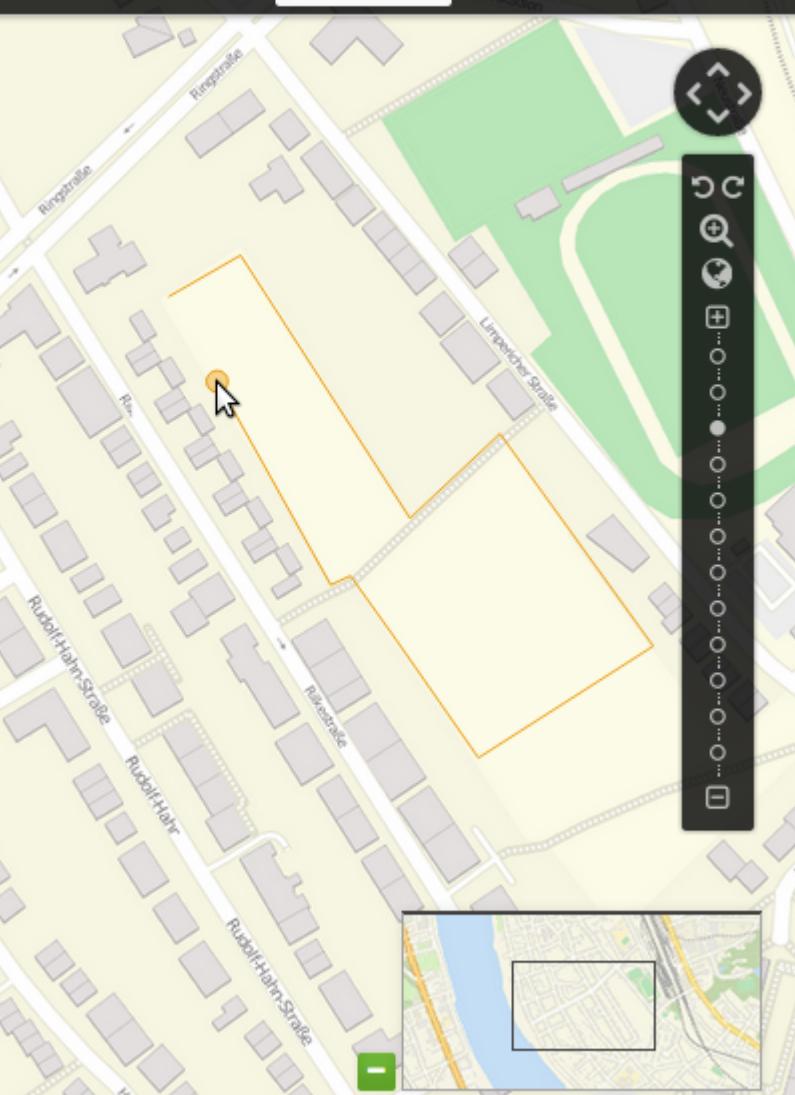
Mapbender3

Scale 1 : 2500

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

© OpenStreetMap contributors

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 m²

Close

+

100 m

x: 367683.85 y: 5621800.15 ETRS89 / UTM zone 32N 2500 © OpenStreetMap contributors

The screenshot shows a street map of a residential area with buildings outlined in grey. A specific area is highlighted with an orange polygon, and a callout box displays the text "Area" above "1819.33 m²". A green "Close" button is located at the bottom right of the callout. On the left side of the map, there is a scale bar labeled "Scale 1 : 2500" and a "100 m" distance marker. The map interface includes various navigation and tool buttons at the top and right edges. At the bottom, there are coordinate and projection information ("x: 367683.85 y: 5621800.15 ETRS89 / UTM zone 32N") and zoom controls ("2500").



Geoportal Stadt Monheim am Rhein

Startseite | Login | Kontakt | Impressum | Hilfe

Druck



Vorlage

DIN A4 Querformat



Qualität

Draft (72dpi)



Maßstab

1:5000



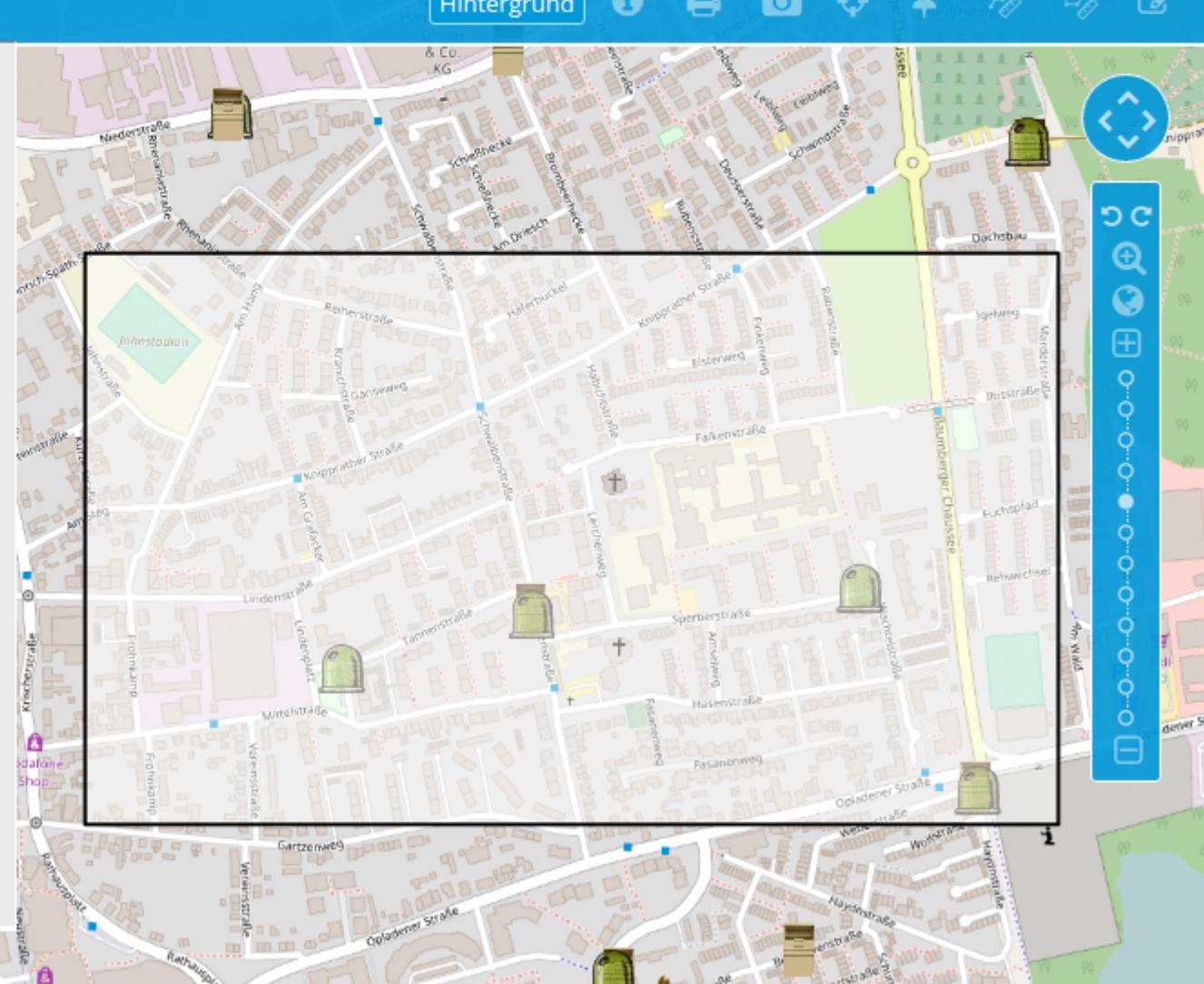
Drehung

0

 Legende drucken

Drucken

Abbrechen



X: - y: -



ETRS89 / UTM zone 32N

7500



© Geodatenmanagement Stadt Monheim am Rhein

**Der Bürgermeister**

nicht amtlicher Auszug aus dem Geodatenportal

Geobasisdaten der Stadt Monheim am Rhein, des Kreises Mettmann und des Landes NRW © Geobasis NRW sowie Geodaten aus OpenStreetMap © OSM-Mitwirkende. Für Geodaten anderer Quellen gelten die Nutzungs- und Lizenzbedingungen der jeweils zugrundeliegenden Dienste.

Maßstab:
1 : 5000

Datum:
21.07.2017



Luftbilder

luftbilder

Containerstandorte



Ihr Ansprechpartner:

Thomas Nüchter
Stadt Monheim am Rhein
Bereich Stadtplanung und Bauaufsicht
Geodatenmanagement

Rathausplatz 2
40789 Monheim am Rhein
Phone: 02173 951608
tnuechter@monheim.de
www.geoportal.monheim.de

Der Auszug ist gesetzlich geschützt. Eine Vervielfältigung, Umgestaltung, Veröffentlichung oder Weitergabe an Dritte ist nur mit Zustimmung des Herausgebers zulässig. Weitere Informationen zur Nutzung der Geodaten finden Sie unter geoportal.monheim.de.





Geoportal Stadt Monheim am Rhein

[Startseite](#) | [Login](#) | [Kontakt](#) | [Impressum](#) | [Hilfe](#)[Hintergrund](#)

Druck



Vorlage

DIN A4 Querformat



Qualität

Draft (72dpi)



Maßstab

1:500

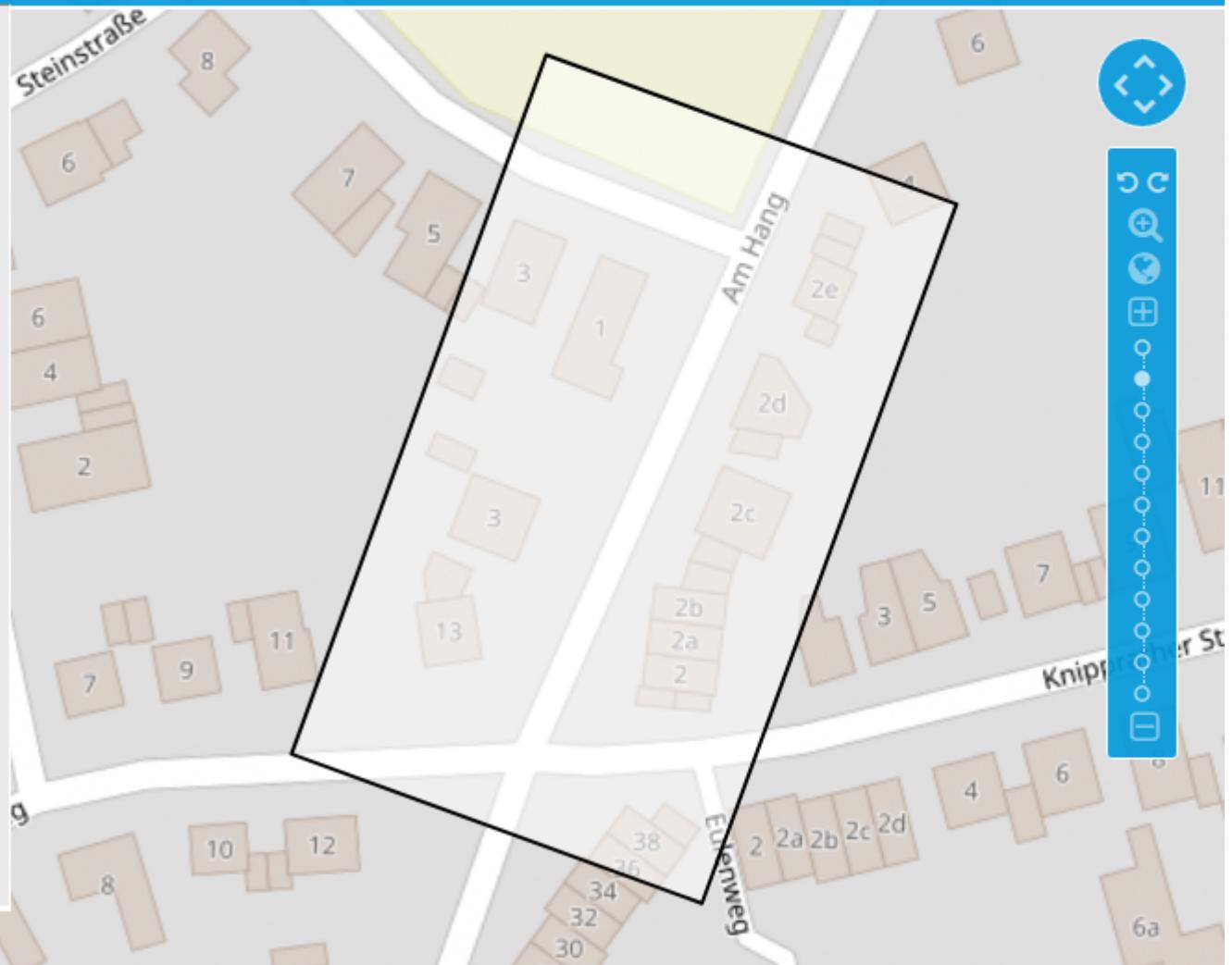


Drehung

0290

 Legende drucken[Drucken](#)[Abbrechen](#)

50m



X: - y: -

ETRS89 / UTM zone 32N

1000

© Geodatenmanagement Stadt Monheim am Rhein



Der Bürgermeister
nicht amtlicher Auszug aus dem Geodatenportal

Geobasisdaten der Stadt Monheim am Rhein, des Kreises Mettmann und des Landes NRW © Geobasis NRW sowie Geodaten aus OpenStreetMap © OSM-Mitwirkende. Für Geodaten anderer Quellen gelten die Nutzungs- und Lizenzbedingungen der jeweils zugrundeliegenden Dienste.

Maßstab:
1 : 500

Datum:
21.07.2017

MONHEIM AM RHEIN

Luftbilder
luftbilder

Containerstandorte

Altkleider
Glas

0 25m

Ihr Ansprechpartner:
Thomas Nüchter
Stadt Monheim am Rhein
Bereich Stadtplanung und Bauaufsicht
Geodatenmanagement

Rathausplatz 2
40789 Monheim am Rhein
Phone: 02 173 951608
tnuechter@monheim.de
www.geoportal.monheim.de

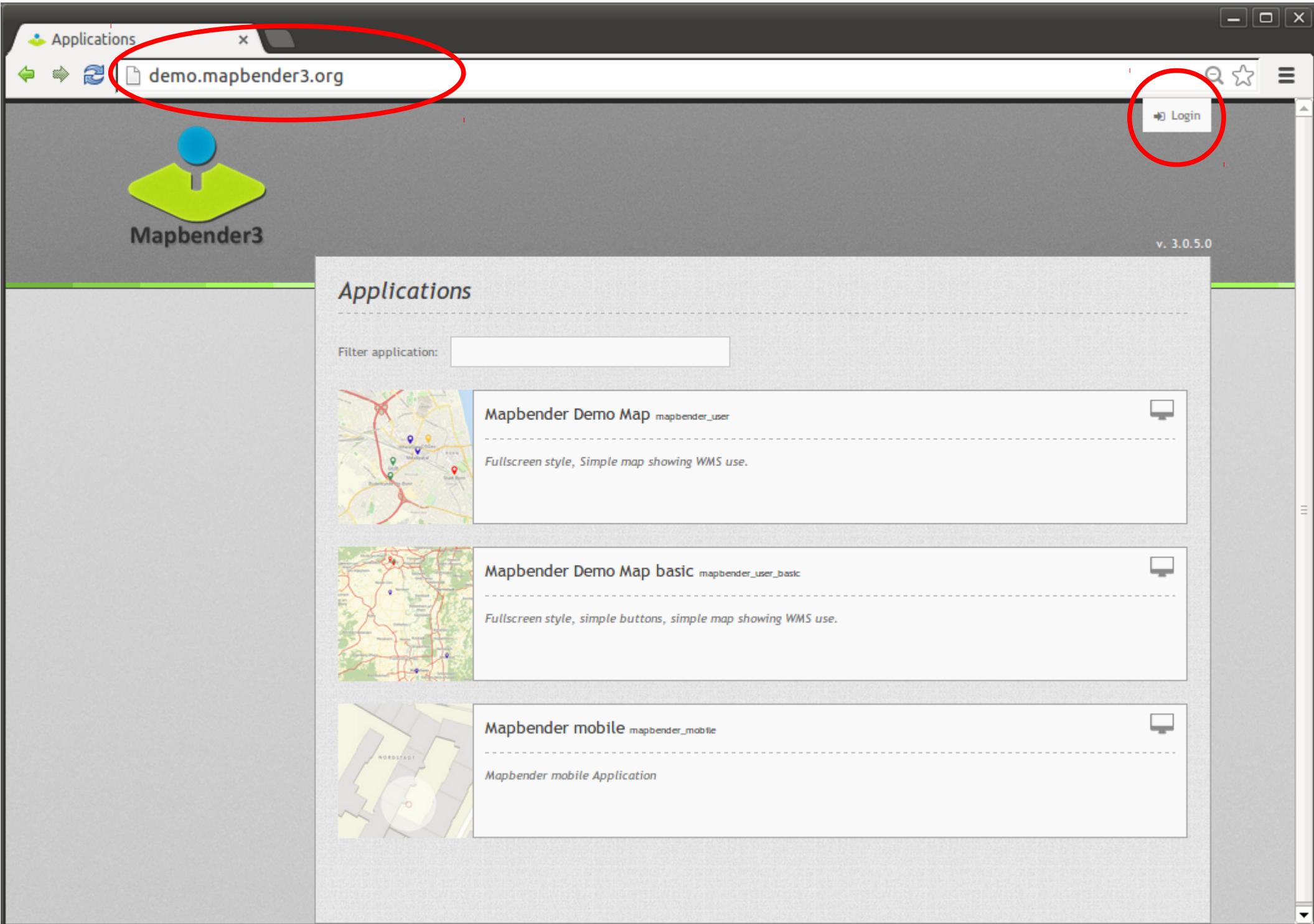
Der Auszug ist gesetzlich geschützt. Eine Vervielfältigung, Umgestaltung, Veröffentlichung oder Weitergabe an Dritte ist nur mit Zustimmung des Herausgebers zulässig. Weitere Informationen zur Nutzung der Geodaten finden Sie unter geoportal.monheim.de.





Set up your own application





Applications

demo.mapbender3.org/manager/applications

Logged in as: root

v. 3.0.5.0

Mapbender3

Applications

- New application
- Export
- Import

Sources

- Add source

User control

- Users
- New user

Groups

- New group

ACLs

Applications

Filter application:

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.

Mapbender mobile mapbender_mobile

Mapbender mobile Application

mapbender_mobile.yml YML mapbender_mobile.yml

+   

New Application

demo.mapbender3.org/manager/application/new

Logged in as: root

v. 3.0.5.0

Mapbender3

New Application

Base data Security

Template* Fullscreen

Title* demo

URL title* demo

Screenshot* Select file: No file selected

Description Mapbender3 demo

Create Cancel

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

This screenshot shows the 'New Application' dialog in the Mapbender3 application manager. The dialog is divided into two tabs: 'Base data' and 'Security'. The 'Base data' tab is active. It contains fields for 'Template*' (set to 'Fullscreen'), 'Title*' (set to 'demo'), 'URL title*' (set to 'demo'), 'Screenshot*' (with a 'Select file:' button and a message 'No file selected'), and 'Description' (containing the text 'Mapbender3 demo'). A large blue callout box on the right provides instructions: 'Create a new application by providing basic information and then use the edit mode to add elements and layers.' At the bottom right of the dialog are 'Create' and 'Cancel' buttons, with the 'Create' button being the target of a mouse cursor. The overall interface has a clean, modern design with a light gray background and green accents for buttons and links.

Mapbender3

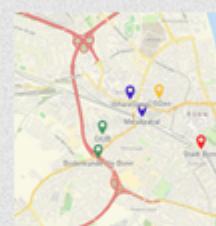
v. 3.0.5.0

Applications

- ▶ New application
- ▶ Export
- ▶ Import
- ▶ Sources
- ▶ Add source
- ▶ User control
- ▶ Users
 - ▶ New user
- ▶ Groups
 - ▶ New group
- ▶ ACLs

Applications

Filter application:



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.

Mapbender mobile mapbender_mobile

Mapbender mobile Application

demo demo

Mapbender3 demo

demo

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

Logged in as: root

v. 3.0.5.0

The screenshot shows the Mapbender3 application manager interface. On the left, a sidebar contains a navigation tree with sections like Applications, Sources, User control, and Groups. The main area is titled 'demo' and contains tabs for Base data, Layouts (which is selected), Layersets, CSS, and Security. Below these tabs is a preview window showing a map with a green polygon and a blue marker. A status bar at the bottom right says 'Template: Fullscreen'. The central part of the screen displays four sections: Toolbar, Sidepane, Content, and Footer. Each section has a title input field and a type dropdown menu. A tooltip 'Add a new element' with a plus sign is visible over the footer section's type dropdown. The bottom of the page shows the URL 'demo.mapbender3.org/manager/application/demo/element/select?reg'.

Applications

- New application
- Export
- Import

Sources

- Add source

User control

- Users
- New user

Groups

- New group

ACLs

demo

Base data Layouts Layersets CSS Security

Template: Fullscreen

Toolbar

Title Type +

No element added

Sidepane

Title Type +

No element added

Content

Title Type +

No element added

Footer

Title Type +

No element added

Add a new element

demo.mapbender3.org/manager/application/demo/element/select?reg

demo

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

Logged in as root

v 3.0.5.0

Mapbender3

- Applications
 - New application
- Sources
 - Add source
- User control
 - Users
 - New user
 - Groups
 - New group
 - ACLs

Add element -

Layer tree
Tree of map's layers

Legend
The legend shows the legend of the map's layers

Line/Area Ruler
Ruler to draw a line/area and display length/area in a dialog

Map
MapQuery/OpenLayers based map

Navigation
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

POI

Choose Map Element

Cancel

Title

Type

No element added

Template: Fullscreen

demo.mapbender3.org/manager/application/demo/element/new?class=Mapbender%5CcoreBundle%5CElement%5Cmap®ion=content



- Applications
 - New application
 - Export
 - Import
- Sources
 - Add source
- User control
 - Users
 - New user
 - Groups
 - New group
 - ACLs

Add element - Map

**Title***

Map

Layersets***DPI***

90.714

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

Max. resolution*

auto

Ok**Cancel****Back**



demo

[Base data](#) [Layouts](#) [Layersets](#) [CSS](#) [Security](#)

Template: Fullscreen

Toolbar

Title Type +

No element added

Sidepane

Title Type +

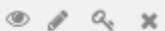
No element added



Content

Title Type +

Map Map

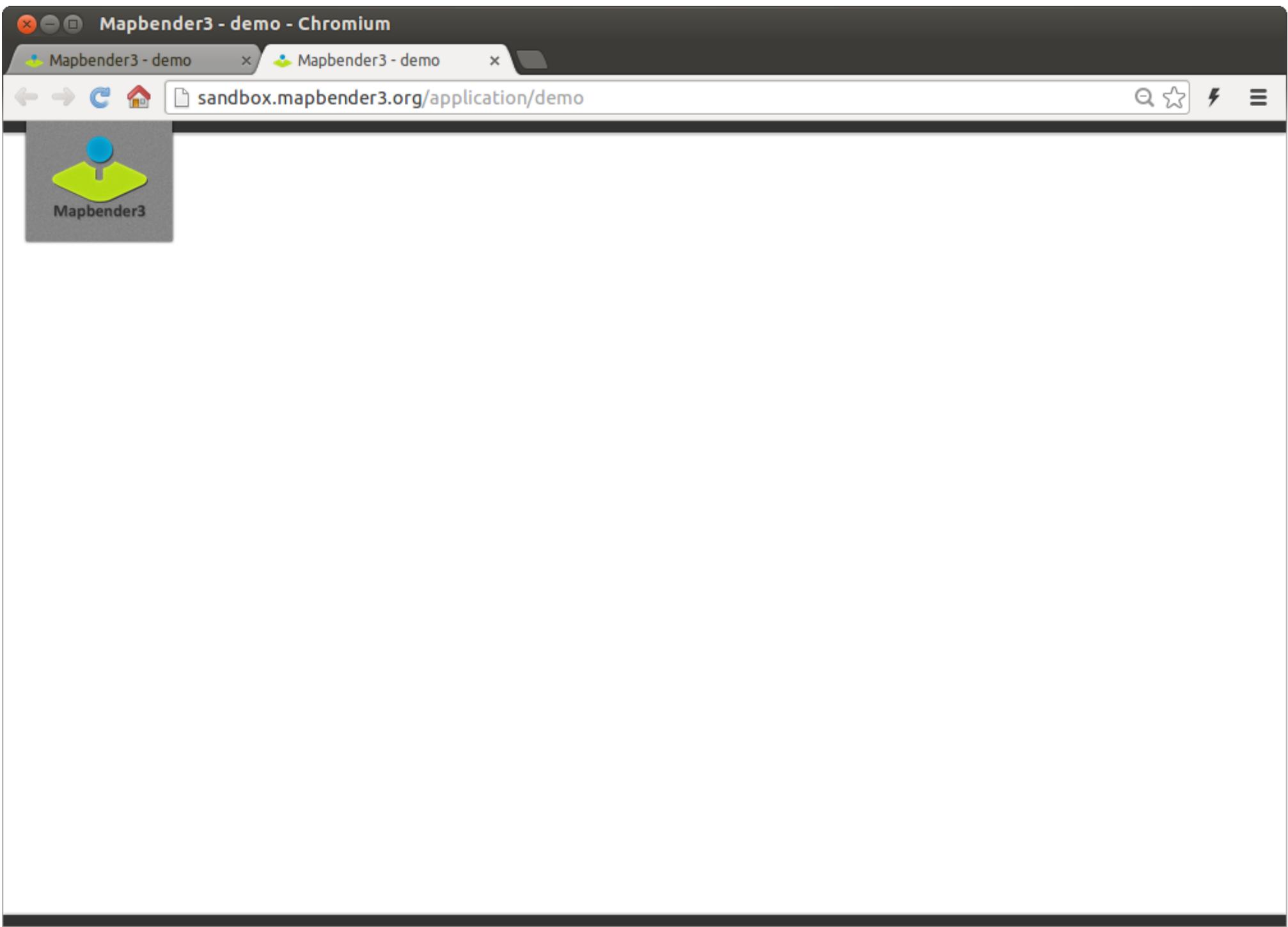


Footer

Title Type +

No element added





Add source

demo.mapbender3.org/manager/repository/new

Logged in as: root

Syncing a f https://hel

v. 3.0.5.0

 Mapbender3

Add source

OGC WMS

only valid

Service URL
http://wms.wherogroup.com/cgi-bin/germany_workshop.xml?VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS

Username

Password

Load Cancel

Applications

- New application
- Export
- Import

Sources

- Add source**

User control

- Users
- New user
- Groups
- New group
- ACLs

Sources

demo.mapbender3.org/manager/repository

Logged in as: root

v. 3.0.5.0

Mapbender3

Applications

- New application
- Export
- Import

Sources

- Add source

User control

- Users
- New user
- Groups
- New group
- ACLs

Sources

Filter source

+

Index	Type	Name	Actions
1	WMS	mapbender_users	Monitor Refresh X
2	WMS	OSM	Monitor Refresh X
3	WMS	osm_overview	Monitor Refresh X
4	WMS	osm_2	Monitor Refresh X
6	WMS	Germany	Monitor Refresh X

Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães

Logged in as: root



v. 3.0.5.0

- ▶ Applications
 - ▶ New application
 - ▶ Export
 - ▶ Import
- ▶ Sources
 - ▶ Add source
- ▶ User control
 - ▶ Users
 - ▶ New user
 - ▶ Groups
 - ▶ New group
 - ▶ ACLs

WMS Germany

Metadata

Contact

Details

Layers

Back

Title:

Germany

Name:

OGC:WMS

Version:

1.1.1

Origin URL:http://wms.wherogroup.com/cgi-bin/germany_workshop.xml?VERSION=1.1.1&REQUEST=GetCapabilities&SERVICE=WMS**Abstract:**

Germany

Online Resource:http://wms.wherogroup.com/cgi-bin/germany_workshop.xml?**Exception Formats:**

application/vnd.ogc.se_xml , application/vnd.ogc.se_inimage , application/vnd.ogc.se_blank

Fees:

none

Access Constraints:

none

demo

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

Logged in as: root

v. 3.0.5.0

Mapbender3

Applications

- New application
- Export
- Import

Sources

- Add source

User control

- Users
- New user
- Groups
- New group
- ACLs

demo

Base data Layouts Layersets CSS Security

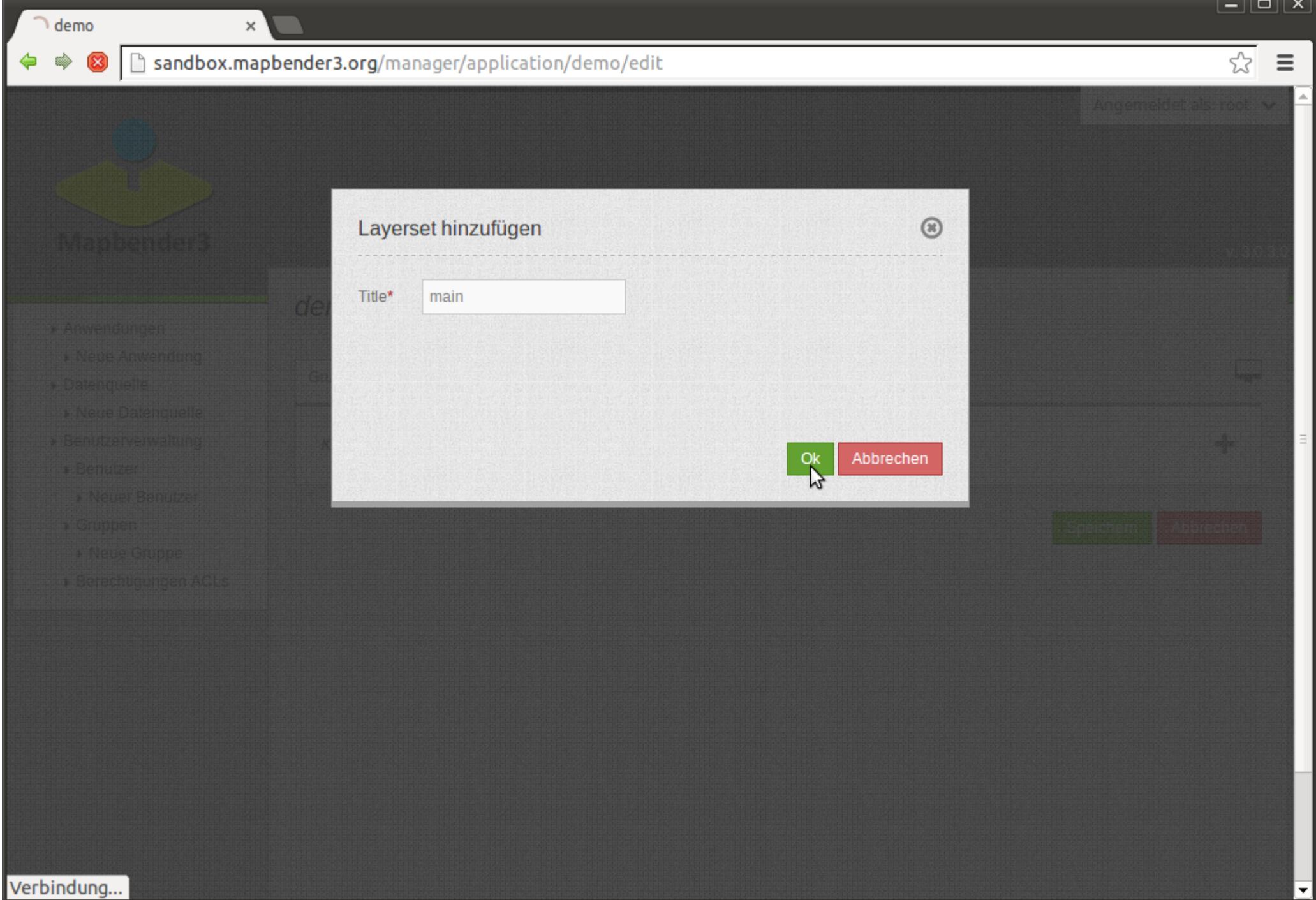
No layer added

+

Save Cancel

demo.mapbender3.org/manager/application/.../new

Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães



demo

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

Logged in as: root

v. 3.0.9.0

Mapbender3

- Applications
 - New application
- Export
- Import
- Sources
 - Add source
- User control
 - Users
 - New user
 - Groups
 - New group
 - ACLs

Select source

Filter source

WMS ! mapbender_users

WMS ! osm

WMS ! osm_overview

WMS ! osm_2

WMS ☆ Germany

Germany

Choose Germany

Cancel

Save Cancel

demo.mapbender3.org/manager/application/demo/layerset/6/source/6/add

- ▶ Applications
 - ▶ New application
- ▶ Export
- ▶ Import
- ▶ Sources
 - ▶ Add source
- ▶ User control
 - ▶ Users
 - ▶ New user
 - ▶ Groups
 - ▶ New group
 - ▶ ACLs

WMS instance (6/10) - Germany

Origin URL <http://wms.wherogroup.com/cgi-bin/g...>

Save

Cancel

Visible

Vendor specific

BaseSource

Proxy

Transparency

Tiled

Format*

image/png

Infoformat

text/html

Exceptionformat

application/vnd.ogc.se_xml

Opacity*

100

Tile buffer

0

BBOX factor

1.25

Title	Minsc	Maxsc	active	select		info		toggle		reorder	
				allow	on	allow	on	allow	on	allow	on
Germany	1	9.999994€	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
topography	1	9.999994€	<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	12499993	<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"/>

demo

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

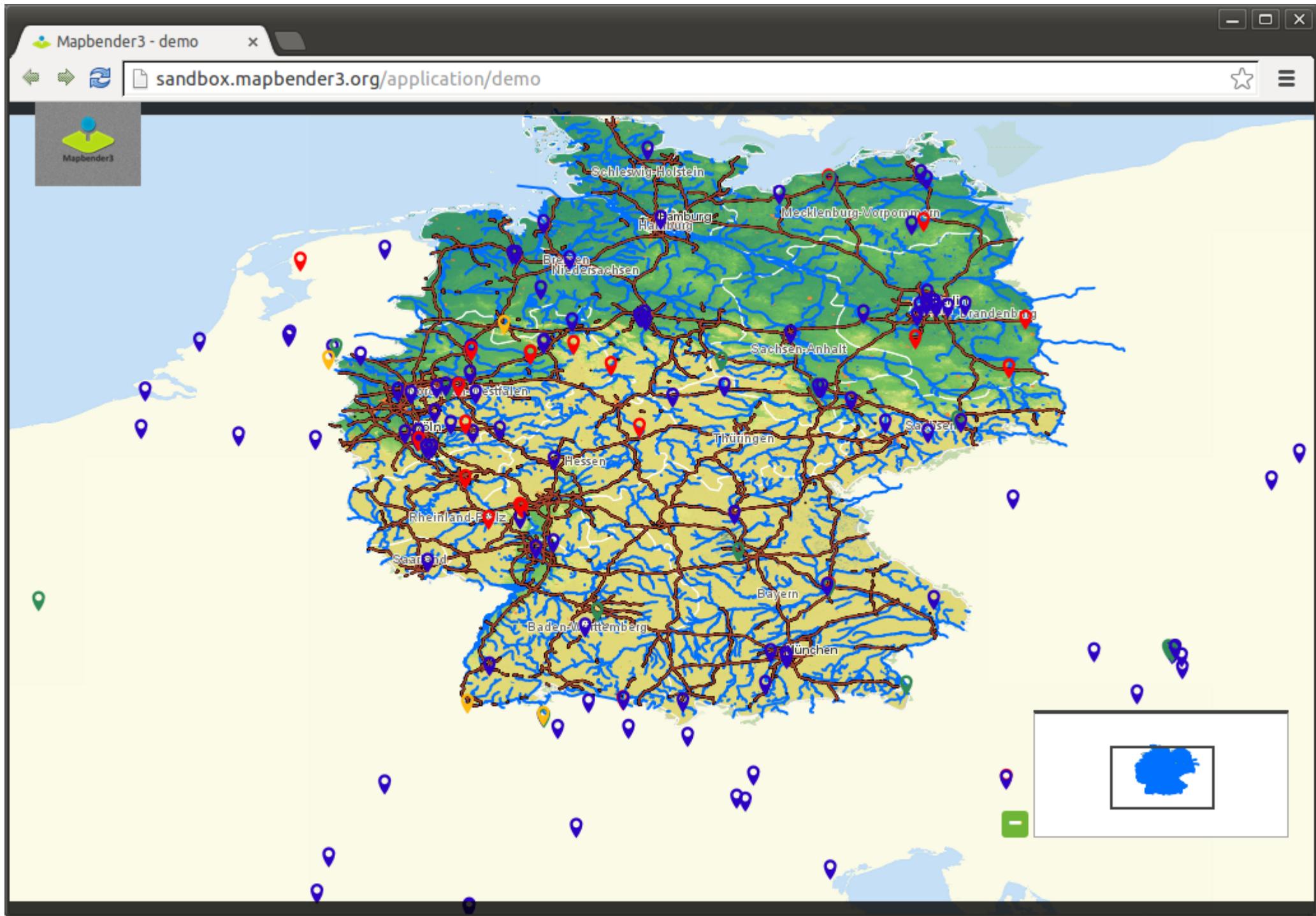
Layerset Filter +

main

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

overview

Id	Titel	Typ	+	edit	x
3	Germany	WMS			



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães

New User

demo.mapbender3.org/manager/user/new

Logged in as: root

Mapbender3 v. 3.0.5.0

New User

Base data Profile Groups Security

Username*
Astrid Emde

E-Mail*
astrid.emde@wheregroup.com

Choose password:

Confirm password:

Create Cancel

Applications
New application
Export
Import
Sources
Add source
User control
Users
New user
Groups
New group
ACLs



Mapbender3

- ▶ Applications
 - ▶ New application
 - ▶ Export
 - ▶ Import
- ▶ Sources
 - ▶ Add source
- ▶ User control
 - ▶ Users
 - ▶ New user
 - ▶ Groups
 - ▶ New group
 - ▶ ACLs

Logged in as: root

v. 3.0.5.0

Edit User

[Base data](#) [Profile](#) [Groups](#) [Security](#)

First name

Astrid

Last name

Emde

Notes

Mapbender Developer Team

Phone

02289090380

Organization

Mapbender

Role

Owner

Street

|

Zip code

|

City

Bonn

Logged in as: root



v. 3.0.5.0

New Group

[Base data](#) [Users](#)

Name*

Workshop

Description

Workshop Group

[Create](#)[Cancel](#)



New Group

Base data

Users

Filter

Name

1 users of 2 selected

  Astrid Emde

Create

Cancel

demo

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

Logged in as: root

v. 3.0.5.0

Mapbender3

Applications

- New application
- Export
- Import

Sources

- Add source

User control

- Users
- New user
- Groups
- New group
- ACLs

demo

Base data Layouts Layersets CSS Security

activated

Filter

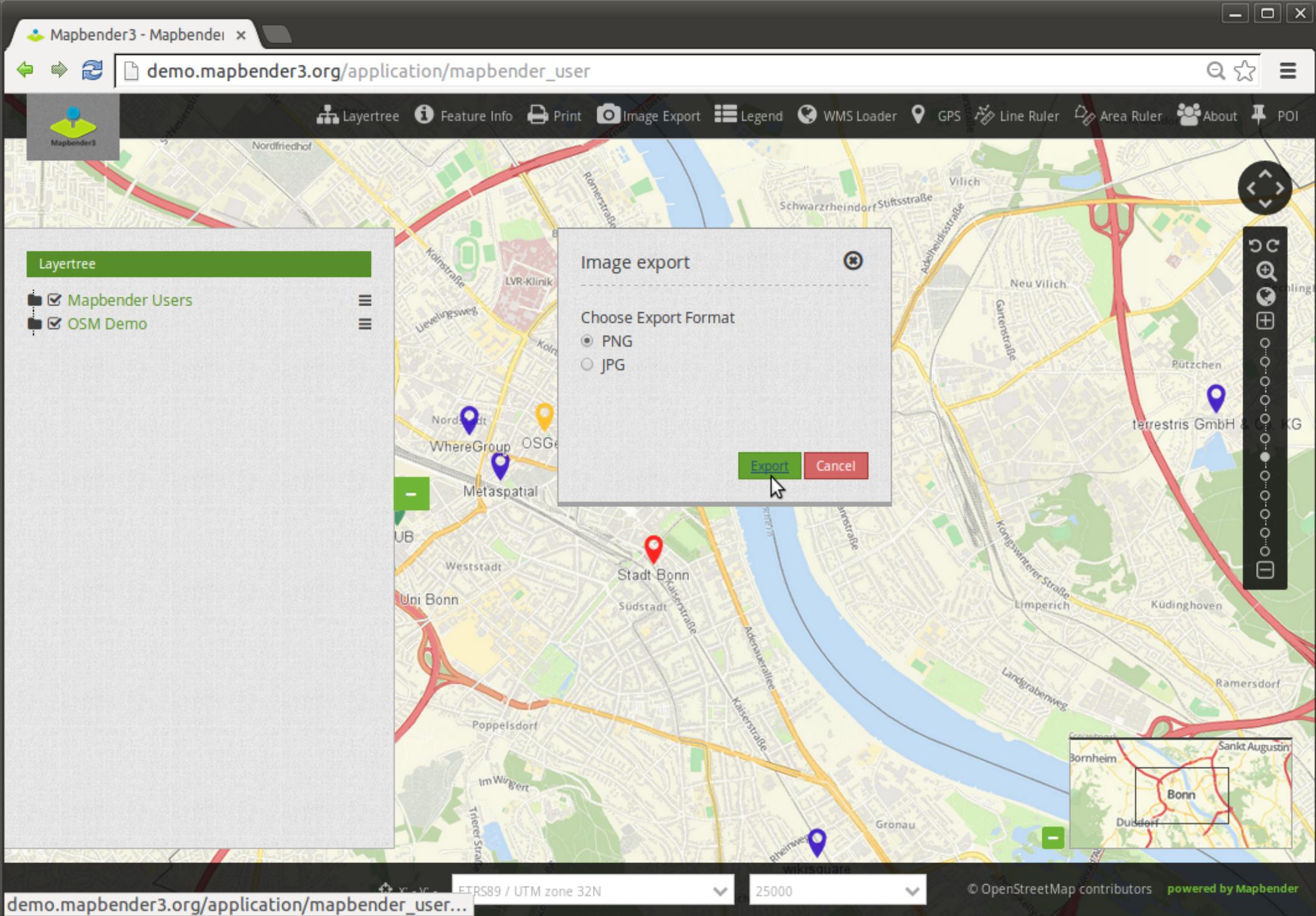
		view	edit	delete	operator	master	owner	
	Astrid Emde	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	root	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	IS_AUTHENTICATED_ANONYMOUSLY	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	

Add users and groups

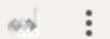
Save Cancel

demo.mapbender3.org/manager/acl/overview

		view	edit	delete	operator	master	owner	
	Astrid Emde	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	root	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	IS_AUTHENTICATED_ANONYMOUSLY	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães



Layertree

Feature Info

Print

Image Export

Legend

WMS Loader

GPS

Line Ruler

Area Ruler

About

POI



Mapbender3

Share POI 2.58777,48.84095 @ 1:2500

Hello FOSS4G Europe 2017

Ok

Cancel



Layertree

 Mapbender3 OSM Data

Redlining

X: - y: -

WGS 84

2500

© OpenStreetMap contributors

powered by Mapbender

Le Havre



Pick on klick or Zoom to coordinate

Erfassung
Themen
Suche
Skizze
Karte zentrieren

Koordinatensystem der Suche
ETRS89 - UTM Zone 32N (25832)

Koordinaten im Basis-Koordinatensystem der Karte

Erfassung
Themen
Suche
Skizze
Karte zentrieren
Koordinate auslesen

Koordinatensystem der Ausgabe von Koordinaten
ETRS89 - UTM Zone 32N (25832)

Koordinaten im Basis-Koordinatensystem der Karte





Sicher | https://demo.mapbender3.org/application/foss4g_europe_2017?poi%5Bpoint%5D=2.58738%2C48.84092&poi%5Bscale%5D=5000&poi%5Bsrs%5D=EPSG%3A4326&poi%5Blabel%5D=FOSS4G+Europe+2017

Layertree

Mapbender Users

OSM Demo

Redlining

X: 2.5932202 y: 48.8443821

WGS 84

5000

© OpenStreetMap contributors

powered by Mapbender



Bebauungspläne online

L(i)ebenswertes Gütersloh

Informationen zu den B-Plänen Bebauungspläne im Verfahren

Bitte auswählen ...

Flächenmessung

Distanzmessung

Ebenenbaum Suchen Legende

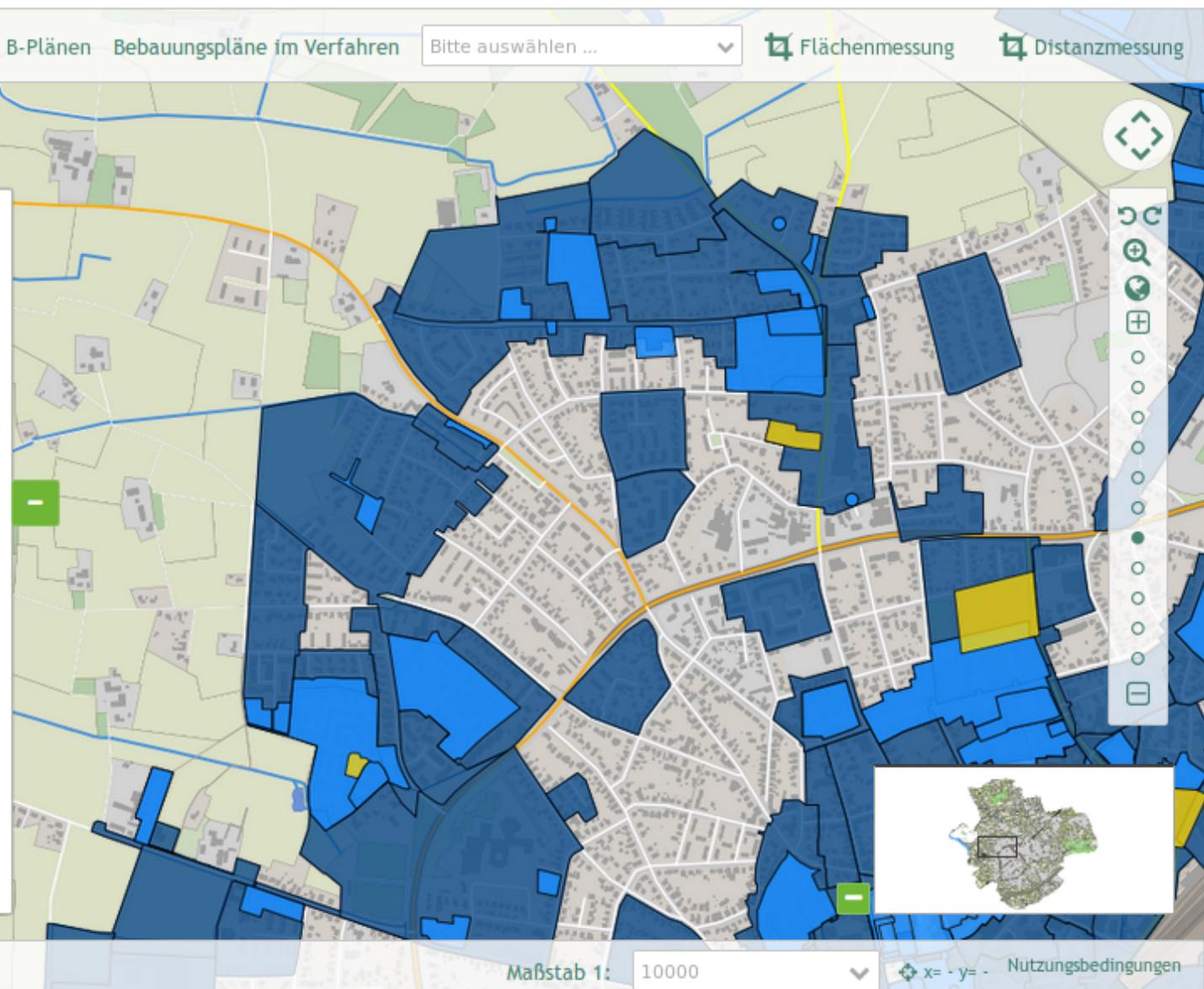
Adresssuche

Strasse*

Au

Hausnummer

Suchen Zurücksetzen



Maßstab 1:

10000

x= - y= - Nutzungsbedingungen





Bebauungspläne online

L(i)ebenswertes Gütersloh

i Informationen zu den B-Plänen Bebauungspläne im Verfahren

Bitte auswählen ...

Flächenmessung

Distanzmessung

Ebenenbaum Suchen Legende

Adresssuche

Strasse*

Auf dem

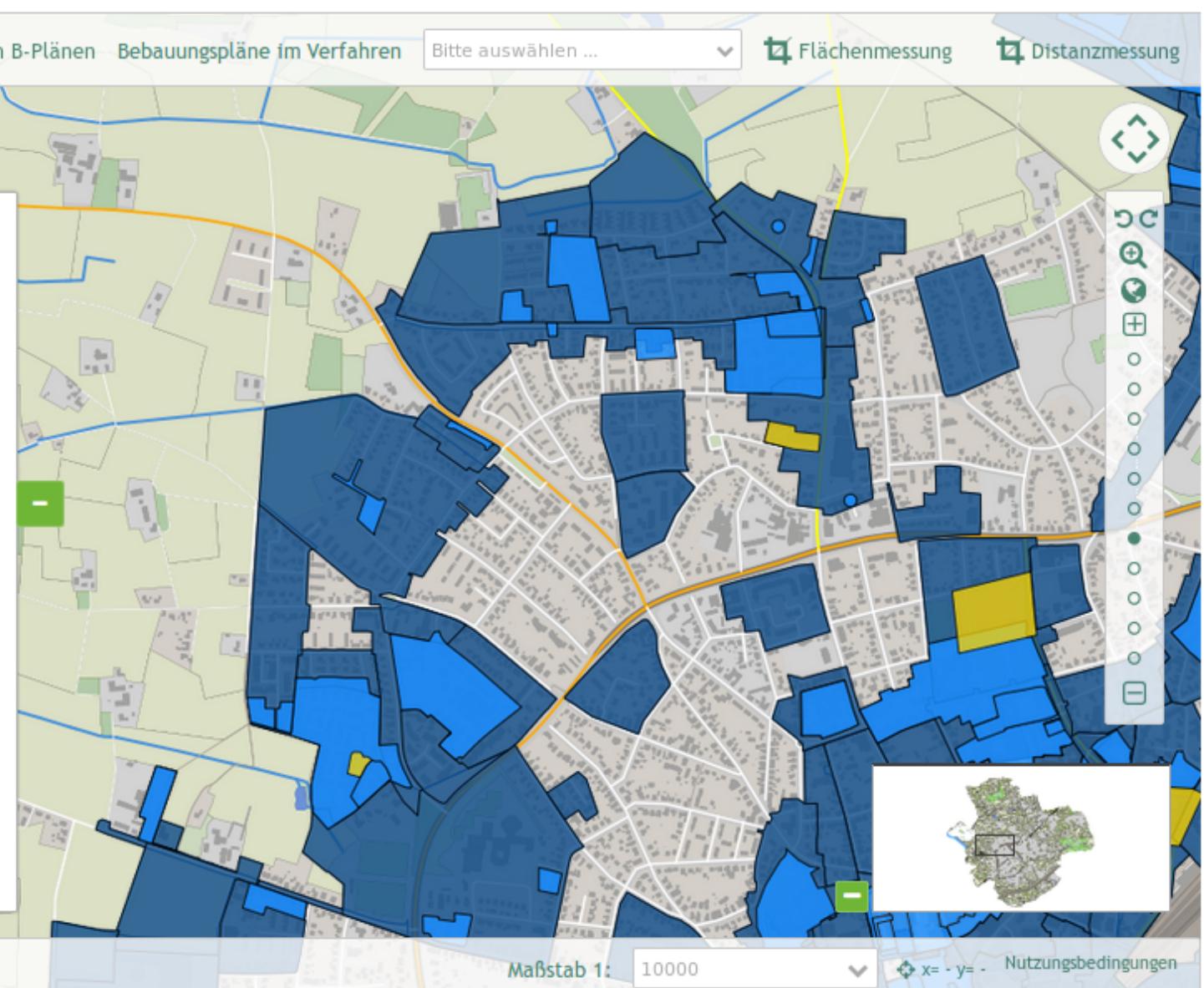
Auf dem Felde

Auf dem Knüll

Auf dem Siekkamp

Auf dem Stempel

Suchen Zurücksetzen





Bebauungspläne online

L(i)ebenswertes Gütersloh



Informationen zu den B-Plänen



Bebauungspläne im Verfahren



Bitte auswählen ...



Flächenmessung



Distanzmessung

Ebenenbaum

Suchen

Legende

Adresssuche

Strasse*

Auf dem Felde

Hausnummer

Ergebnisse: 38

Straße Hausnummer

Auf dem Felde 1

Auf dem Felde 2

Auf dem Felde 3

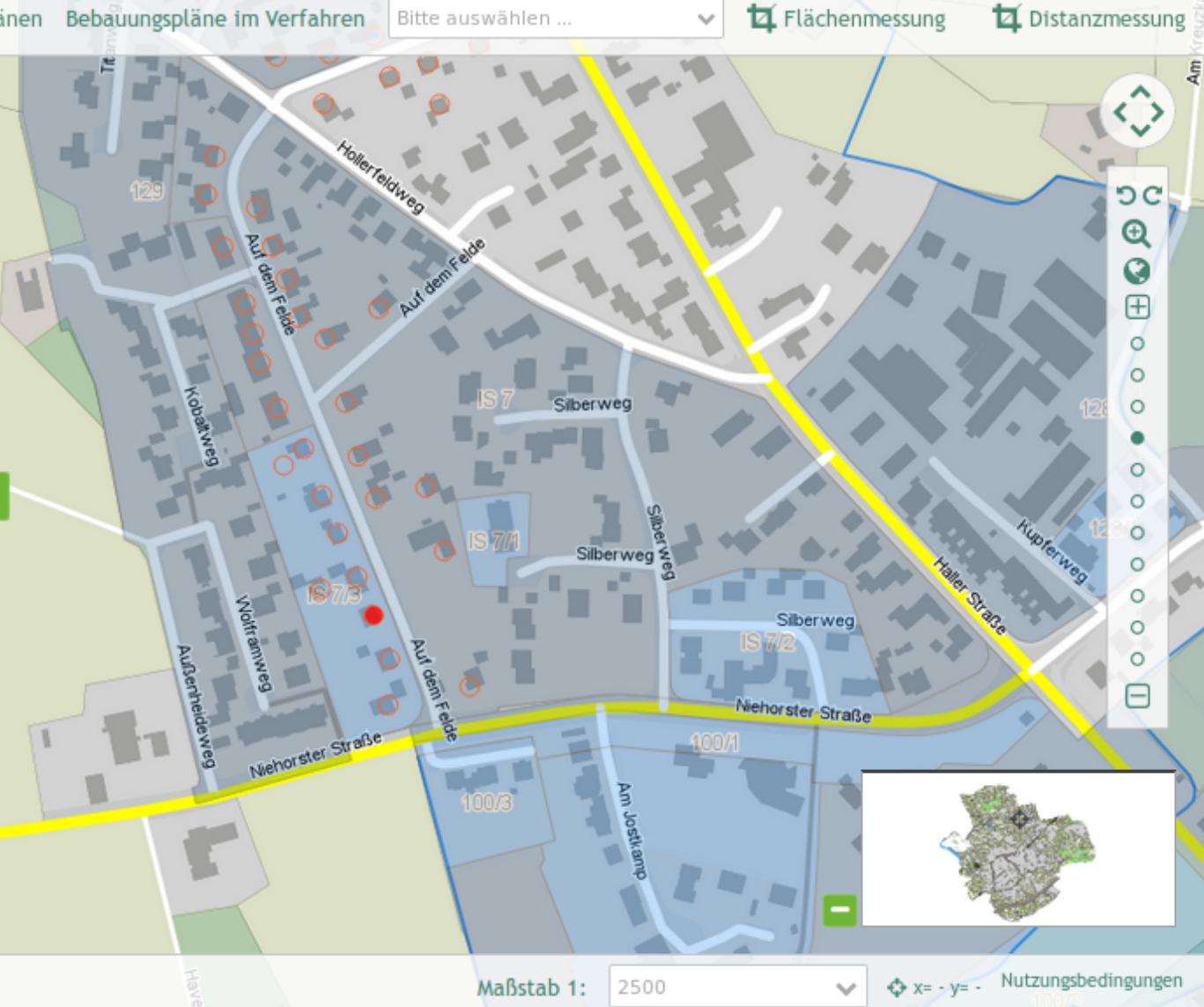
Auf dem Felde 5

Auf dem Felde 7 a

Auf dem Felde 7

Auf dem Felde 8

Auf dem Felde 9



Maßstab 1:

2500

x= - y= -

Nutzungsbedingungen
100%





Bebauungspläne online

L(i)ebenswertes Gütersloh

i Informationen zu den B-Plänen

Bebauungspläne im Verfahren

Bitte auswählen ...

t Flächenmessung

t Distanzmessung

Ebenenbaum Suchen Legende

Adresssuche

Strasse*

Auf dem Felde

Hausnummer

Ergebnisse: 38

Straße Hausnummer

Auf dem Felde 1

Auf dem Felde 2

Auf dem Felde 3

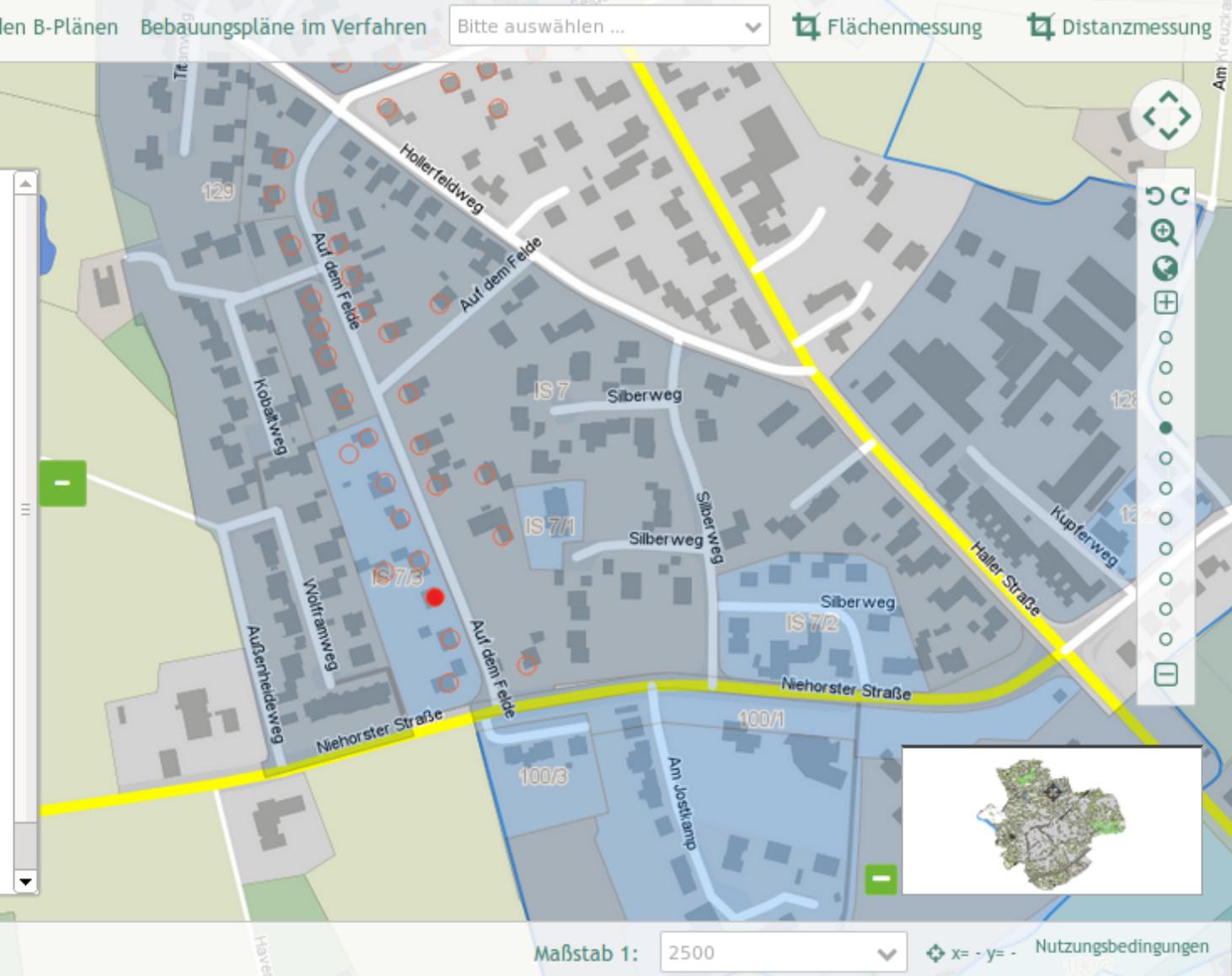
Auf dem Felde 5

Auf dem Felde 7 a

Auf dem Felde 7

Auf dem Felde 8

Auf dem Felde 9



Maßstab 1: 2500

x= - y= - Nutzungsbedingungen





Configuration SearchRouter

```
class:  
Mapbender\CoreBundle\Component\SQLSearchEngine  
class_options:  
    connection: search_db  
    relation: ortsschaften  
    attributes:  
        - gid  
        - ortssname  
    geometry_attribute: geom  
form:  
    ortssname:  
        type: text  
        options:  
            required: true  
        compare: exact  
results:  
    view: table  
    count: true  
    headers:  
        gid: ID  
        ortssname: Name  
callback:  
    event: click  
...  
...
```

Suchen

Route*

Orte

Ortssname*

Bonn

ID	Name
40714919	Bonn

Search Reset Close



Geoportal

<https://www.o-p-r.info/mb3-opr/app.php/application/geoportal>

Solr Search

Landkreis DPR.

Geoportal

Rhinstraße
Rhinpassage
Berliner Straße
Damaschkeweg
Rheinsberg
Damaschkeweg
Rhin höher Weg
Lindenallee
An den Rhingärten
Rhin höher Weg

Themenbaum Legende Suche

Bebauungspläne Zurücksetzen

Ergebnisse: 233

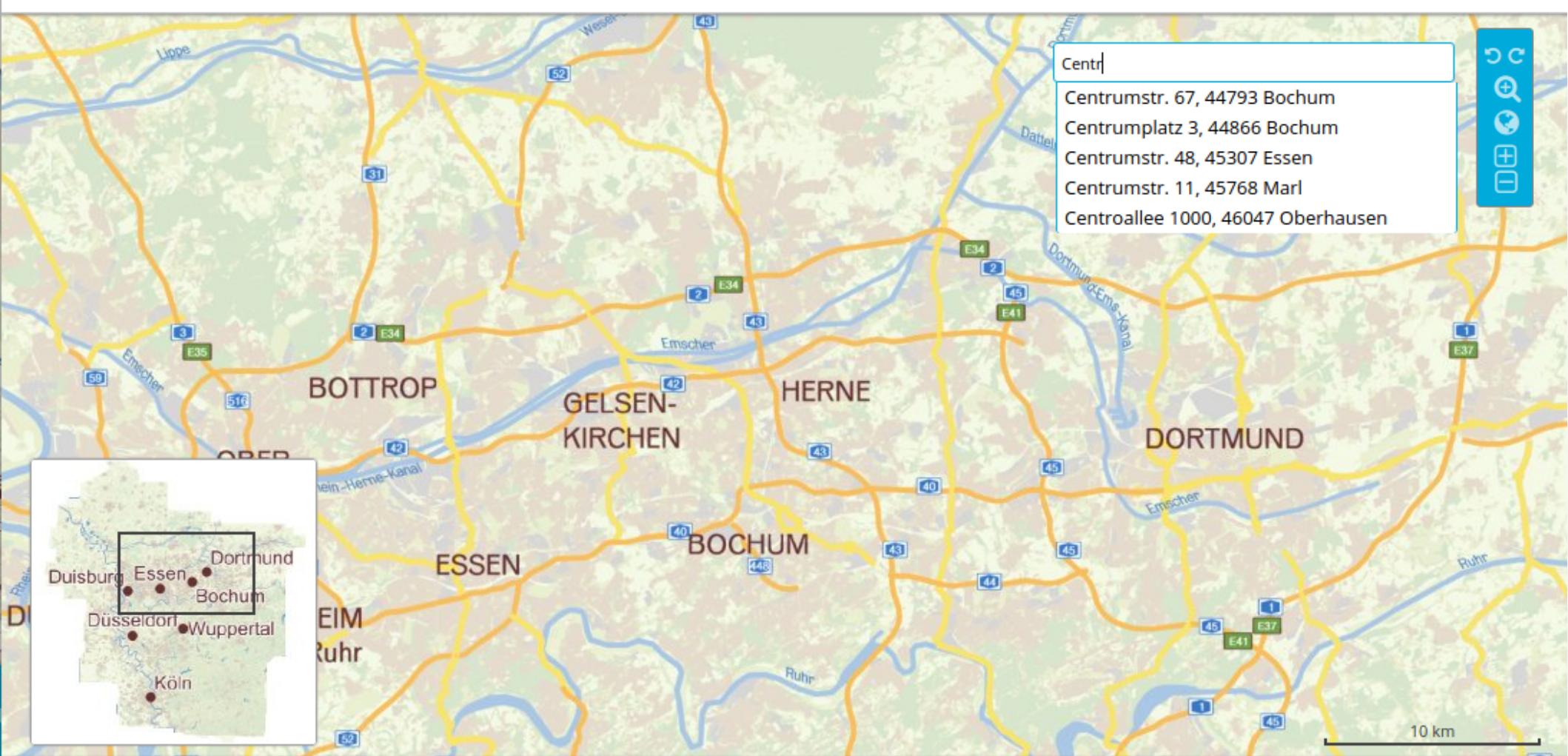
zurück vor Seite 1/12

450 Rheinsberg
290 Rheinsberg 450 Rheinsberg Damaskusweg / BP
857 Rüthnick
883 Wittstock/Dosse
884 Wittstock/Dosse
886 Wusterhausen/Dosse Brunn
893 Neuruppin
27 Breddin
725 Breddin
900 Rheinsberg
897 Heiligengrabe
899 Neuruppin
901 Neustadt (Dosse)
772 Kyritz

Investition in Ihre Zukunft!
EUROPÄISCHE UNION
Europäischer Fonds für
Regionale Entwicklung
www.efra.brandenburg.de

(c) Copyright GeoBasis-DE/LGB 2014 Maßstab 1: 2000 ETRS89 / UTM zone 33N Koordinatenanzeige x= - y= -

Solr Search



Aktualität Luftbilder 2011-2015

Maßstab: 1 : 2500000

Impressum / Datenschutz

Lizenzbedingungen





m^{etropoleruhr} Basesource Switcher

Stadtplan
Luftbilder

2011 - 2016

1999 - 2009 (überwiegend 2009)

1999 - 2006 (überwiegend 2006)

1998 - 2003 (überwiegend 1999)

Basiskarte wech-

1983 - 1990 (überwiegend 1990)

1957 - 1980 (überwiegend 1969)

1963 - 1968 (überwiegend 1963)

1951 - 1980 (überwiegend 1952)

1934 - 1939 (überwiegend 1934)

1925 - 1930 (überwiegend 1926)



Aktualität Luftbilder 2011-2016

x: - y: -

Maßstab: 1 : 10000

Impressum / Datenschutz

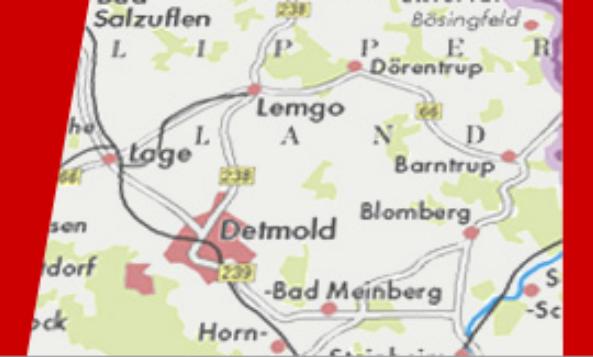
Lizenzbedingungen



Regionalverband Ruhr



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães



Geoportal Kreis Lippe

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.

Scale = 1 : 25K

x = - y = -

ETRS89 / UTM zone 32N

115

Allgemeine Suche

Kartenanzeige

Weitere Geothemen

Geoportal Kreis Lippe



Map controls:

- Topographic map layer
- Administrative boundaries layer
- Legend layer (highlighted in red)
- Information layer
- Address search layer

Scale: 1 : 5000
ETRS89 / UTM zone 32N





Bebauungspläne online

L(i)ebenswertes Gütersloh

Informationen zu den B-Plänen Bebauungspläne im Verfahren

175 im Verfahren

Flächenmessung

Distanzmessung

Bitte auswählen ...

182 im Verfahren

24 B/2 im Verfahren

24 A/1 im Verfahren

220 1.TA/5 im Verfahren

175 im Verfahren

214/5 im Verfahren

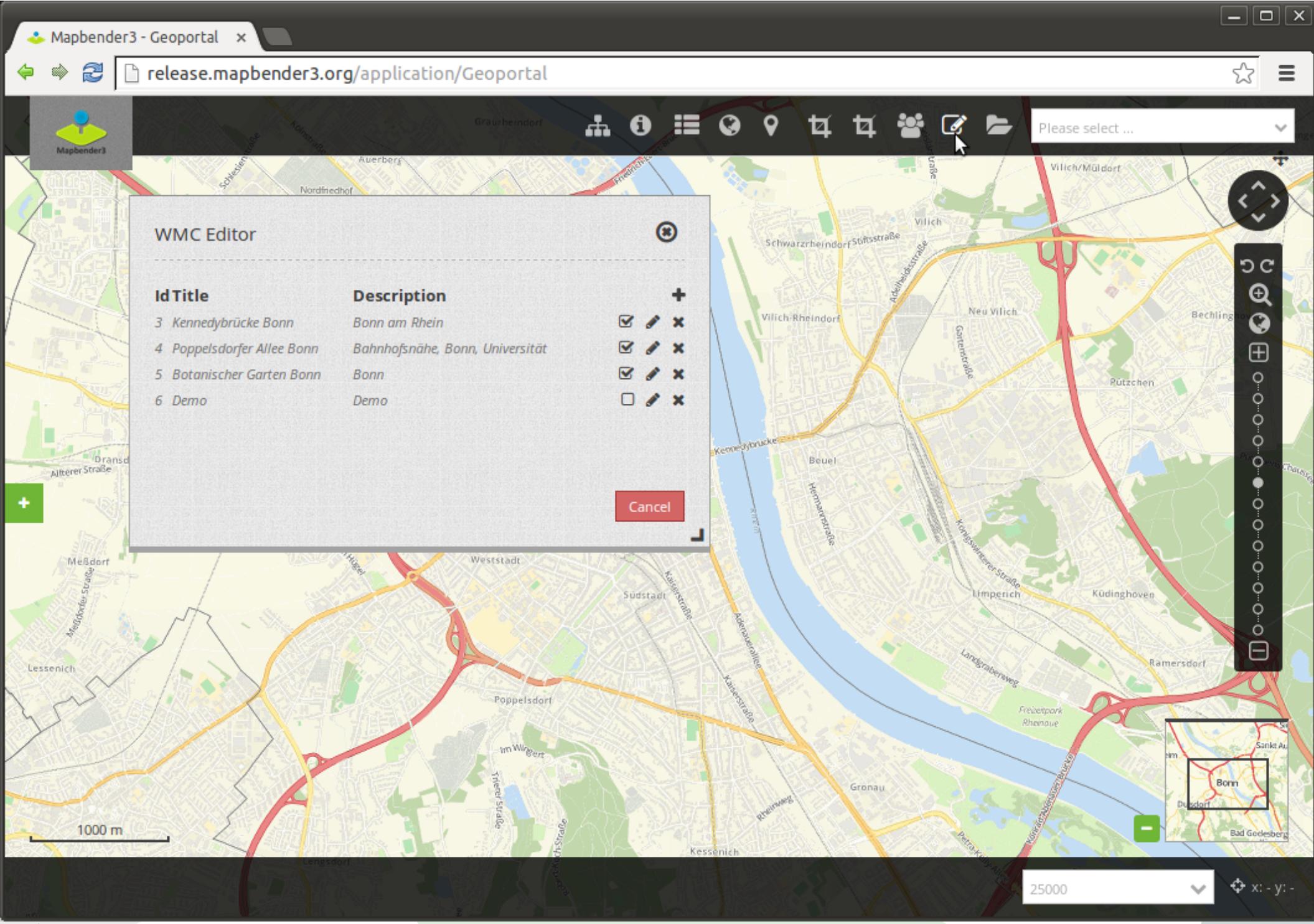


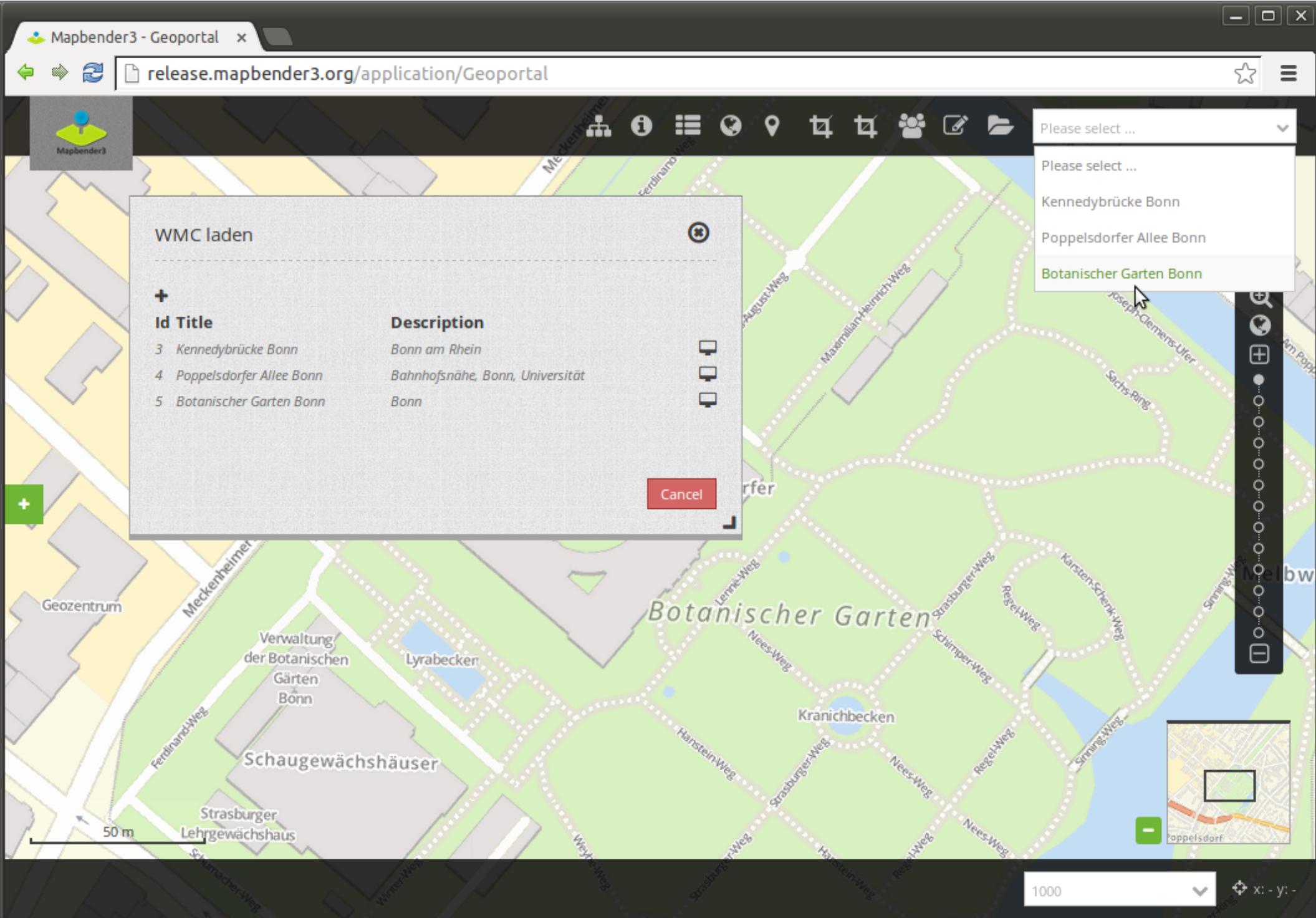
Maßstab 1:

7500



x= - y= - Nutzungsbedingungen





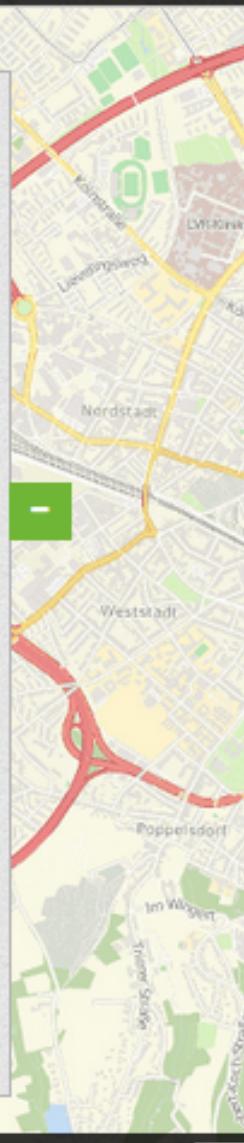


Stadtplan Troisdorf



The screenshot shows a map of the city of Troisdorf and its surroundings. A blue line highlights a specific route or boundary. The map includes labels for various towns like Troisdorf, Spich, and Siegburg, as well as geographical features like the Sieg river and hills. A scale bar indicates a distance of 2 km. The website header includes links for Stadt Troisdorf, Stadtplan, Hilfe, Nutzungsbedingungen, and Impressum.

OpenStreetMap (OSM) Demo... ☰ x



Add element - HTML

Title*

Content

```
1 <img src='http://mapbender3.org/sites/
```

Classes

Back

Ok

Cancel

Geoportal Mapbender3 - Geoportal demo.mapbender3.org/app.php/application/Geoportal

The screenshot shows the Mapbender3 application interface. At the top, there is a toolbar with various icons for map operations like zoom, pan, and search. A dropdown menu shows "Botanischer Garten Bonn". On the left, there is a sidebar with a "Mapbender3" logo, a "Layer tree" section, a "Legend" section, and a "Mapbender User" section listing "Company", "Administration", "University", and "User". Below the sidebar is a "Help" and "Impress" link. The main area features a map of the Botanischer Garten Bonn, with buildings and streets labeled. To the right of the map is a "Demo" panel containing a CSS editor. The CSS code is as follows:

```
1 .toolBar {  
2     background-color: rgba(0, 29, 122, 0.8) !important;  
3 }  
  
4  
5 .toolPane {  
6     background-color: rgba(0, 29, 122, 0.8) !important;  
7 }  
  
8  
9 .pan{  
10    background-color: rgba(0, 93, 83, 0.9);  
11 }  
  
12  
13 .sidePane {  
14     overflow: visible;  
15     background-image: url("");
```

At the bottom right of the "Demo" panel are "Save" and "Cancel" buttons. The bottom right corner of the interface has a "Mapbender" logo.



Mobile Template



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães



Editing data with the Digitizer

Baumkontrolle

Bäume

nur Objekte des aktuellen Kartenausschnitts anzeigen.

Search:

Nr.	Baum	Actions
304	304: TILIA 'GREENSPIRE'	
305	305: TILIA 'GREENSPIRE'	
307	307: TILIA 'GREENSPIRE'	
308	308: TILIA 'GREENSPIRE'	
309	309: TILIA 'GREENSPIRE'	
310	310: TILIA 'GREENSPIRE'	
311	311: TILIA 'GREENSPIRE'	
312	312: TILIA 'GREENSPIRE'	

1 bis 9 von 9

Suchen

Thema

Abfragen

Bäume

Kontrolle Pflege Stammdaten Krone Stamm Stammfuß

Baumart **TILIA 'GREENSPIRE' (STADT-LINDE)**

Bemerkungen zum Baum

Lage **Theodor-Körner-Straße (Straßenbegleitgrün)**

Standort Bemerkung
gegenüber hausnummer 1

Zustand **Baum vorhanden**

Vitalität **Sep 2015**

Mo	Di	Mi	Do	Fr	Sa	So
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Zeitpunkt **11.03.2015**

letzte Kontrolle: 11.03.2015

Speichern Löschen Abbrechen



View in Table

- Tabular display of objects
- scroll through the data
- View only the objects of the current extent
- Definition of table columns to display the results
- Allow delete and edit
- Search in data

Nr.	Name		
9	Mapbender39		
12	Mapbender312		
13	Mapbender313		
14	Mapbender314		
15	Mapbender315		
17	Mapbender317		
18	Mapbender318		
19	Mapbender319		
20	Mapbender320		
21	Mapbender321		

1 bis 10 von 100





Digitalization

- Point, Line and Area
- Different functionalities related to the geometry type
- drawRectangle
- drawCircle
- drawEllipse
- drawPoint
- drawLine
- drawPolygon
- drawDonut
- modifyFeature
- moveFeature
- selectFeature
- removeSelected





Digitalization



The screenshot displays a QGIS application window. On the left, a sidebar titled "Digitizer" contains the following controls and list:

- A dropdown menu set to "polygon digitizing".
- A toolbar with icons for selection, polygon creation, rectangle creation, ellipse creation, circle creation, point creation, line creation, and zoom.
- A checked checkbox labeled "Select by current extent only".
- A table listing features with columns "Nr.", "Name", and "Edit" (checkbox). The listed features are:

Nr.	Name	Edit
51	WhereGroup GmbH & Co. KG	<input type="checkbox"/>
52	WurstTeufel	<input type="checkbox"/>
53	Nazar Döner Laden	<input type="checkbox"/>
54	OBI	<input type="checkbox"/>
56	Weg zu Wurstteufel	<input type="checkbox"/>
57	Metzger	<input type="checkbox"/>
67	Fläche	<input type="checkbox"/>
69	Kreis	<input type="checkbox"/>
70	Ellipse	<input type="checkbox"/>
91	Ein Kreis	<input type="checkbox"/>

At the bottom of the sidebar, a progress bar indicates "1 bis 10 von 14". Navigation buttons "1" and "2" are at the bottom left, and a "next" button is at the bottom right.

The main map area shows the city of Bonn, Germany, with several green shapes drawn on it. These shapes include a large circle centered on the city, several smaller circles, and an ellipse. The map also shows road networks, river names like "Rhein", and neighborhood names like "Bonn-Castell", "Weststadt", and "Südstadt".



https://mapbender.org

Welcome to the Mapbender documentation

Sicher | https://doc.mapbender.org/en/index.html

Mapbender

3.0.7

Search docs

Inhalt:

- Systemrequirements and Installation
- Mapbender Quickstart: First steps with Mapbender
- Functions
 - Base functions
 - Map
 - Navigation Toolbar (Zoombar)
 - Overview
 - Layertree - Table of Content (TOC)
 - Legend
 - Activity Indicator
 - BaseSourceSwitcher
 - Feature Info
 - Coordinates Display
 - Line/Area Ruler
 - Scale Selector
 - ScaleBar
 - ScaleDisplay

Systemrequirements and Installation

Mapbender Quickstart: First steps with Mapbender

Functions

Customization / Tipps and tricks

FAQ - Frequently Asked Questions

Architecture

Development

How to write Mapbender Documentation?

Version history

Indizes und Tabellen





Which components does Mapbender use?

- MIT licensed
- Symfony2 as PHP framework
 - Doctrine, Twig, Monolog, Bootstrap...
 - Bundles
- OpenLayers2
- MapQuery
- jQuery
- SQLite, PostgreSQL, MySQL, Oracle database





Version 3.0.7.3

- Major release with many changes & refactoring
- 2018-07-13
- <https://doc.mapbender3.org/en/book/versions.html>





Docker image for Mapbender

- We have a docker image for Mapbender
- <https://hub.docker.com/u/mapbender/>





Activities in the team

- Chair **Axel Schaefer**
- Architect **Rolf Neuberger**
- PSC **Olaf Knopp**
- Arash Rashid Pour**
- Astrid Emde**
- David Patzke**
- Frederik Häfker**
- about 8 more developer working on Mapbender





Activities in the team

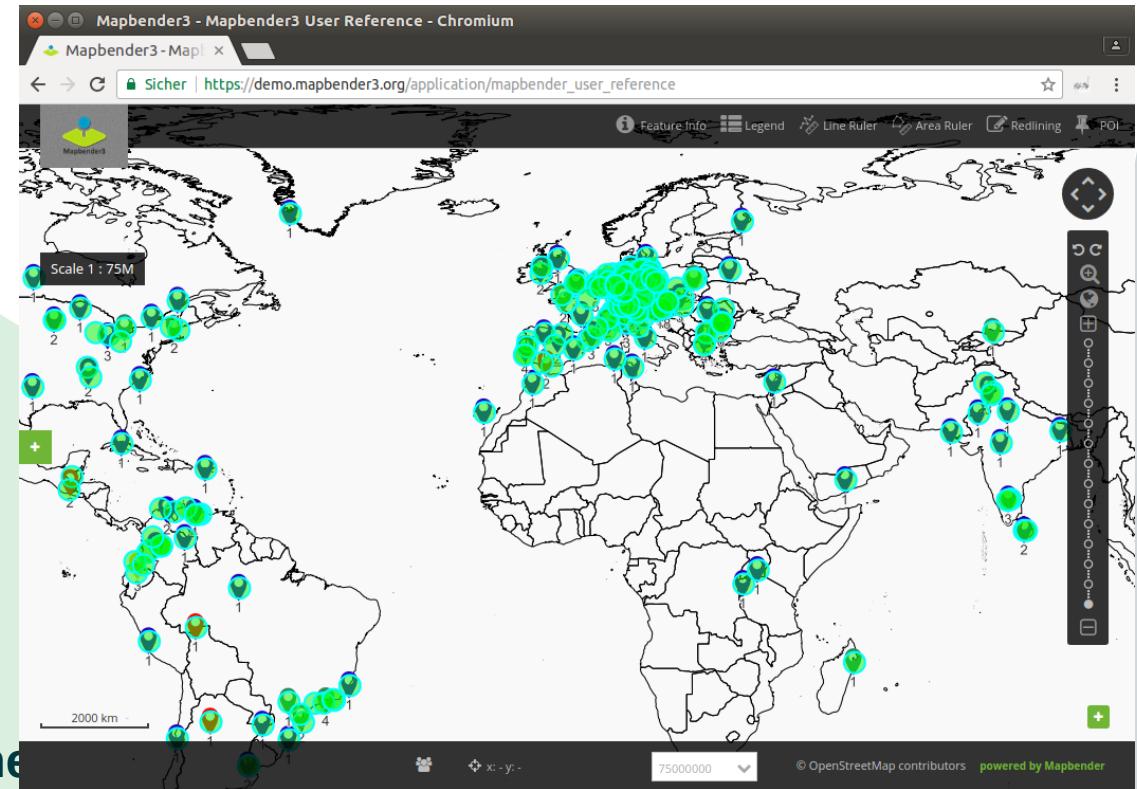
- Regular meetings in Bonn
 - pros: face-to-face, good discussions, milestones, releases more often, clean up
 - cons: in german, not very transparent
- Ticket system on GitHub is used as major system
- Many developer, many user
- Many project work is done and internal contributions
- We focus on development for projects – payed work





Mapbender User Reference Map

- Try digitizer and add yourself as Mapbender User – sorry was shut down due to GDPR (DSGVO)
- https://demo.mapbender.org/application/mapbender_user
- Focus of users in Germany & Europe





Mapbender3 3.0.7.3 on MS4W 3.2.2

- Work on getting it into the next version with MapServer 7.x
- MS4W - MapServer For Windows
- Provided by Jeff McKenna. Big thanks to Jeff!
- Mapbender is part of it since several years
- <http://www.ms4w.com/>





Mapbender 3.0.7.3 on OSGeoLive 12.0

- Ready for FOSS4G
Dar Es Salaam
Tansania



- We use OSGeoLive
in our workshops
& at conferences
- Great for usage
& promotion!





WMS Layer ordering



WMS instance (20/4525) - Arbeitslosenzahlen

Origin URL <http://geo.kreislippe.de/cgi-bin/al...>

Title* Dimensions
time active

Format* Vendor specific
 Visible

Infoformat BaseSource

Exceptionformat Proxy

Opacity* Transparency

Tile buffer Tiled

BBOX factor Layer ordering*
standard
standard
QGIS

Title	Minsc	Maxsc	active	select	info	toggle	reorder
			<input checked="" type="checkbox"/>				
			<input checked="" type="checkbox"/>				
Arbeitslosenzahlen			<input checked="" type="checkbox"/>				
Arbeitslosenzahlen			<input checked="" type="checkbox"/>				





Routing

- pgRouting & GraphHopper
- Implemented for Deutsche Bahn and Stadt Frankfurt
- Schoolpath analysis for public transprot ticket
- Routing to facilities



graphhopper

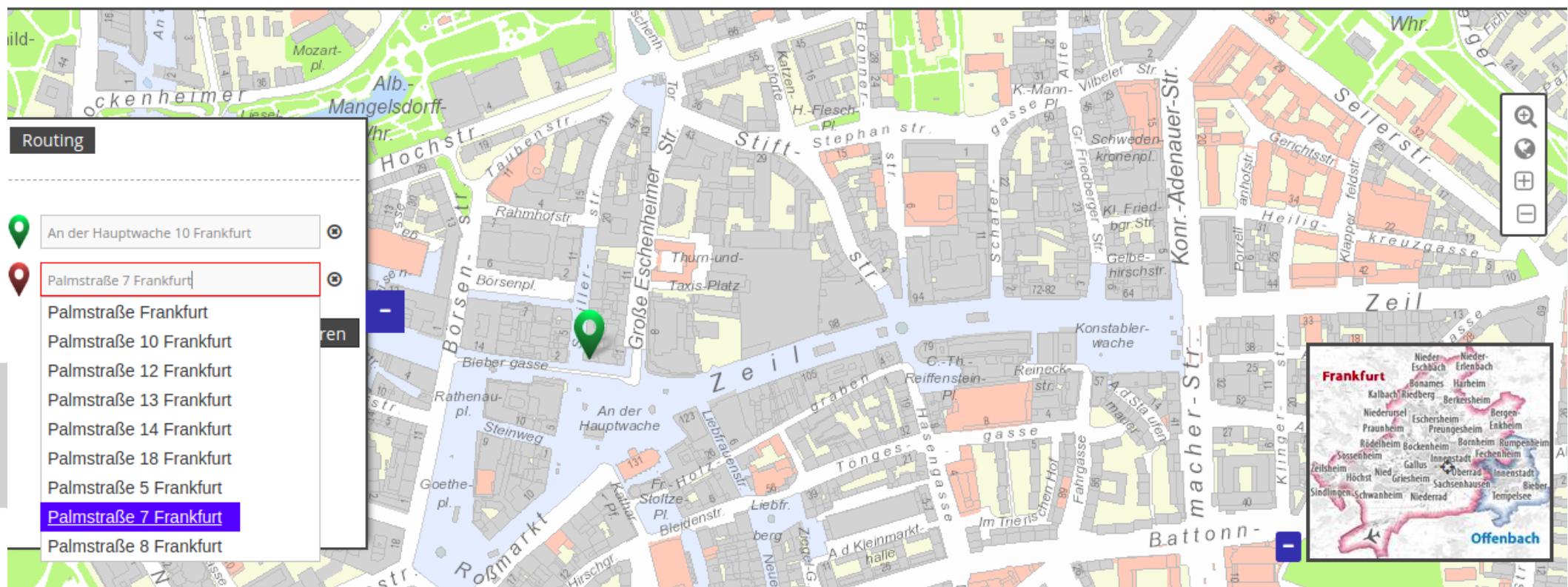




Routing

Stadt Frankfurt am Main  GeoPortal Routing

Stadtkarte Luftbild  Suchen  Strecke messen  Fläche messen  Bildexport  Drucken



An der Hauptwache 10 Frankfurt
Palmstraße 7 Frankfurt

Palmstraße Frankfurt
Palmstraße 10 Frankfurt
Palmstraße 12 Frankfurt
Palmstraße 13 Frankfurt
Palmstraße 14 Frankfurt
Palmstraße 18 Frankfurt
Palmstraße 5 Frankfurt
Palmstraße 7 Frankfurt
Palmstraße 8 Frankfurt

Copyright-Hinweise 5000





Routing

Stadt Frankfurt am Main  GeoPortal Routing

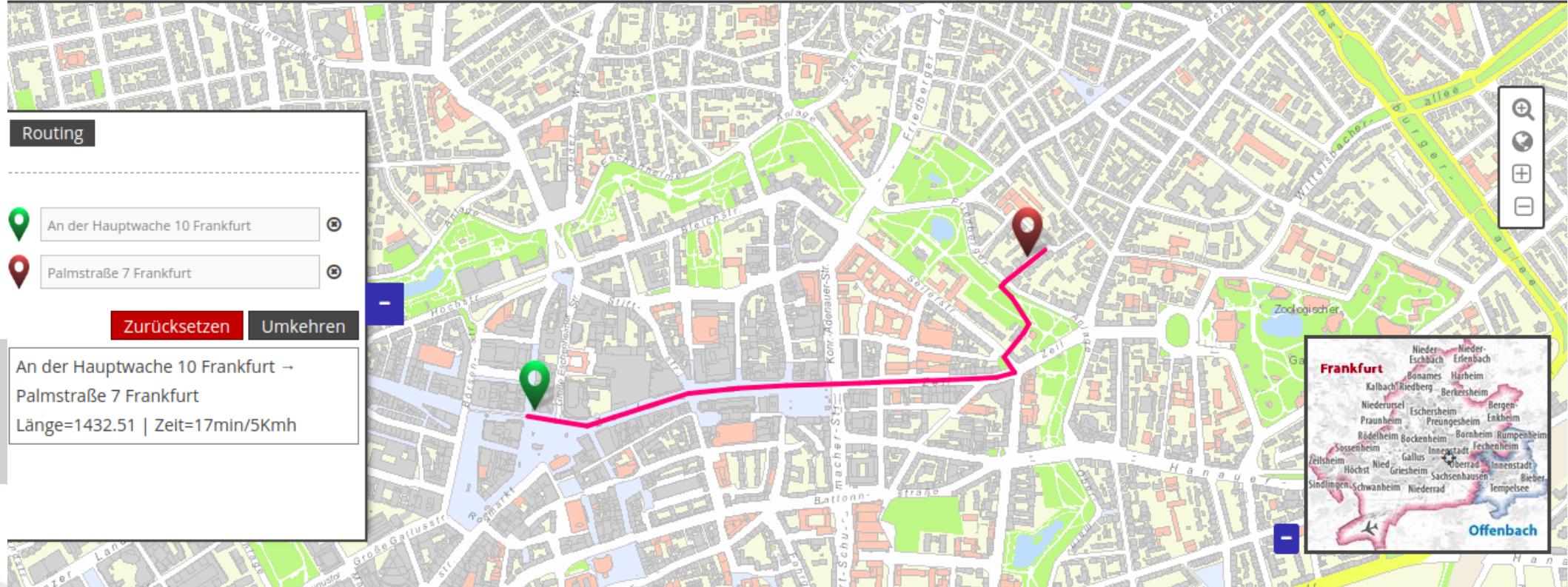
Stadtkaarte Luftbild  Suchen  Strecke messen  Fläche messen  Bildexport  Drucken

Routing

An der Hauptwache 10 Frankfurt
Palmstraße 7 Frankfurt

Zurücksetzen Umkehren

An der Hauptwache 10 Frankfurt →
Palmstraße 7 Frankfurt
Länge=1432.51 | Zeit=17min/5Kmh





10000 Copyright-Hinweise





Routing configuration



Element editieren

weitere Einstellungen

Title*	Routing
Target*	Map
<input type="checkbox"/> Route sofort ausgeben?	
<input type="checkbox"/> Zwischenpunkte erlaubt?	
<input type="checkbox"/> Kontextmenu deaktivieren	
Zoompuffer (m)*	0
Linienfarbe	<div style="background-color: blue; width: 100%; height: 10px;"></div>
Linienbreite	3
Liniendeckkraft	1
Infotext zur Route	{start} → {destination} {length} will take {time}
Zeitformat Strecke	ms
Pfad Starticon	

Aktualisieren



arăes



plugable

Edit data without geometry

- e.g. tree species, interests

The screenshot illustrates a map-based application interface for managing data. On the left, a sidebar titled "Data store Interests" lists various interests with checkboxes and delete icons. A search bar is also present. The main area shows a map of a city street with several interests marked by green dots. A detailed modal window for "Gardening" is open, containing a form with fields for "Interest" (set to "Gardening"), checkboxes for "Is your interest sport?" (unchecked) and "Is this interest good for your health?" (checked), and a "comment" field with the text "I like flowers a lot.". At the bottom right of the modal are "Save", "Remove", and "Cancel" buttons.

Interest	Action
Ballet	<input checked="" type="checkbox"/> x
Books	<input checked="" type="checkbox"/> x
Bowling	<input checked="" type="checkbox"/> x
BreakDance	<input checked="" type="checkbox"/> x
Cooking	<input checked="" type="checkbox"/> x
Cricket	<input checked="" type="checkbox"/> x
Dance	<input checked="" type="checkbox"/> x
Football	<input checked="" type="checkbox"/> x
Gaming	<input checked="" type="checkbox"/> x
Gardening	<input checked="" type="checkbox"/> x

1 / 10 (25)

1 2 3 →





plugable

Query_Builder for evaluation

- Embed, view and edit SQL queries
- Export results

The screenshot shows a Mapbender interface with a sidebar containing a "Abfragen" (Queries) section. It includes a search bar and a dropdown menu titled "Titel" with three options: "Alle Hausnummern", "Alle Straßen", and "Hausnummernbereiche pro Straße". A modal dialog titled "Öffnen von export-list.xls" is displayed, asking if the user wants to open or save the file. The "Datei speichern" (Save file) option is selected. In the background, a Firefox browser window titled "Alle Straßen - Mozilla Firefox" shows a map and a table titled "Alle Straßen" listing street names and their connecting points.

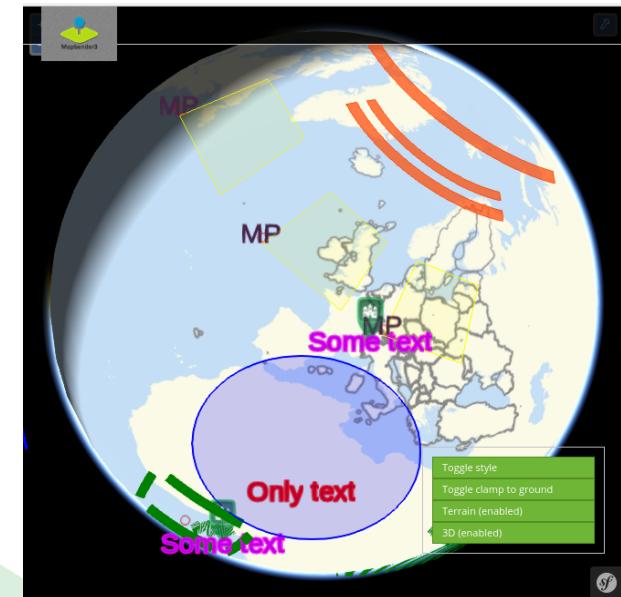
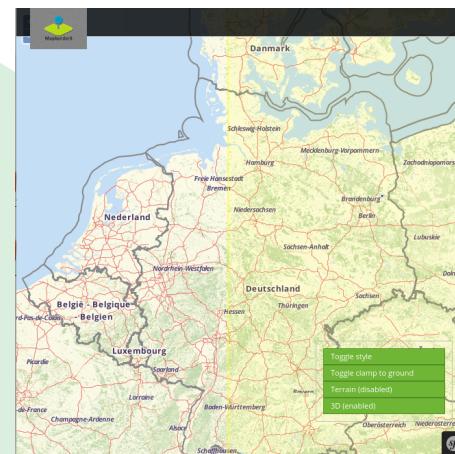
Straße	Straßenschlüssel
Ahrstraße	1
Am Kronenbusch	4
Am Markt	5
Am Neuen Garten	6
Am Schulpfad	7
Am Walde	8
An St. Germanus	9
Antoniusstraße	10





Adding OpenLayers4/5 Support

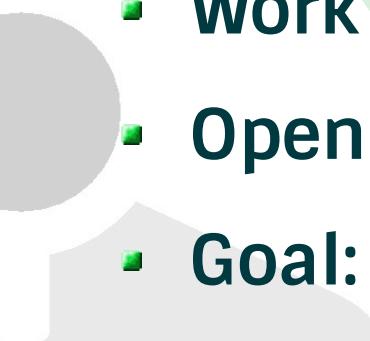
- OL2 and OL4/5 should be parallel
- Update has to be always possible
- Old Applications should still work
and user can try the new once





Adding OpenLayers4/5 Support

- We started a sponsoring call and raised money
- In July 2018 we had 2 weeks of very successfull Open Layers Sprint in Bonn
- Elements were analysed and modified to work with OpenLayers4.
- Work on a model – always talk to the model
- OpenLayers 4 integration not finished yet
- Goal: we want to finish within this year



Mapbender - Mapbender Demo Map - Chromium

Mapbender - Mapbe x

Astrid



Sicher | https://test.mapbender.org/ol4/application/mapbender_user



Layertree

Feature Info

Print

Image Export

Legend

WMS Loader

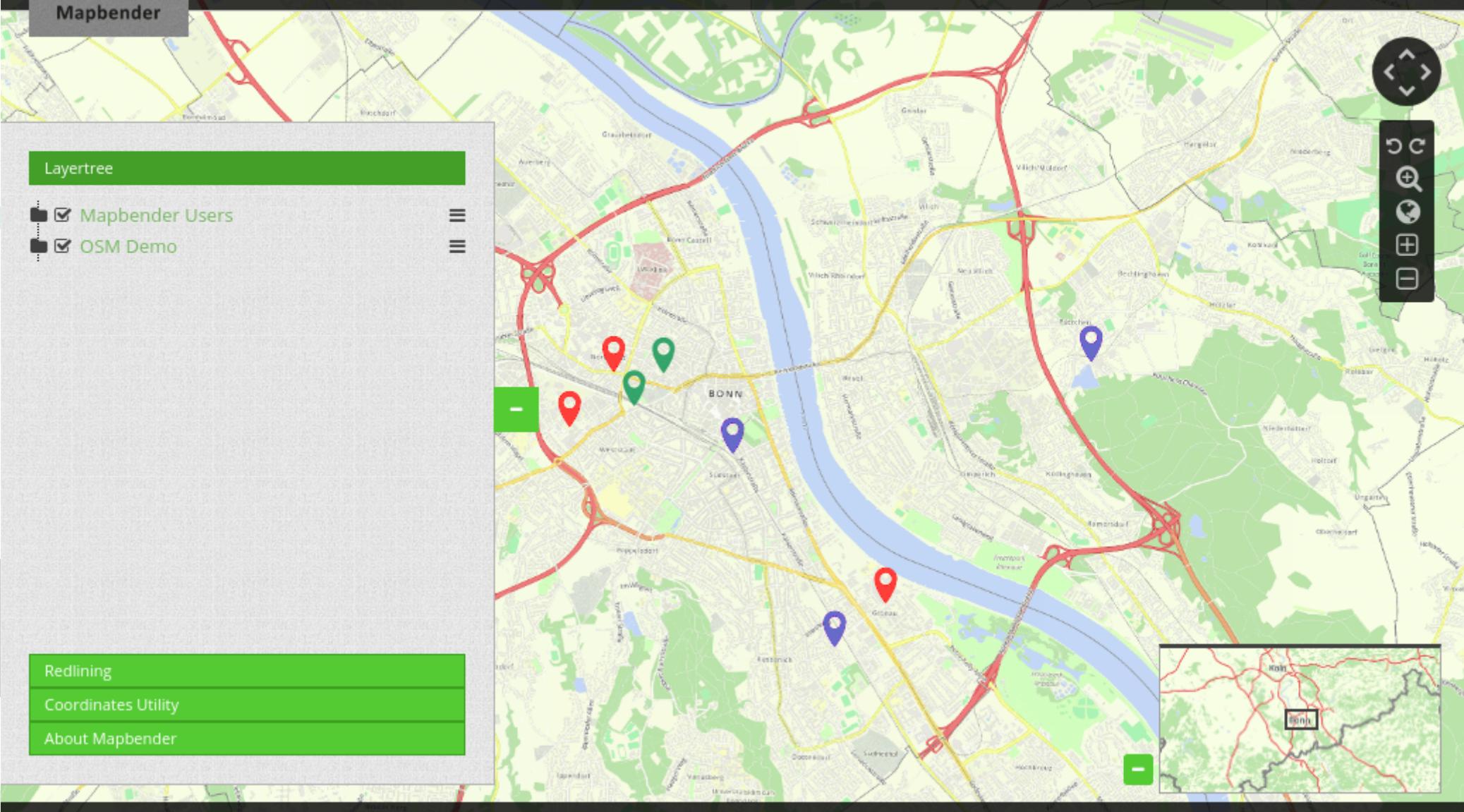
GPS

Line Ruler

Area Ruler

About

POI



x: - y: -

ETRS89 / UTM zone 32N

50000

© OpenStreetMap contributors

powered by Mapbender



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães

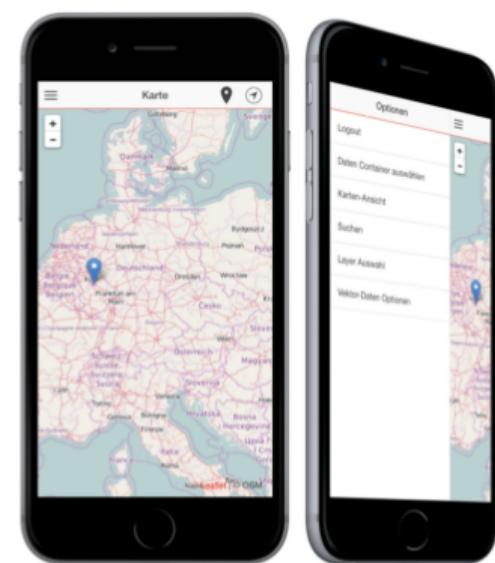
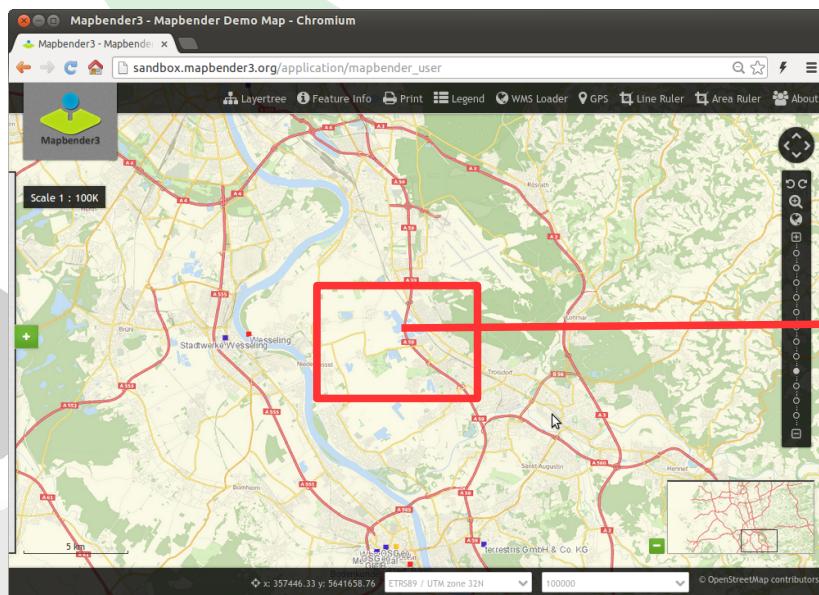


Mops

Connection from Mapbender to Offline Client Mops



- Plan is to select data in Mapbender and trigger the preparation of the geopackage for your new offline client Mops (Mobile Offline Maps)





Join the Community Sprint at FOSS4G Europe

- We need your help!
- f.e translation - yml files for translation
- Testing
- OSGeoLive documentation





You are welcome to get involved!



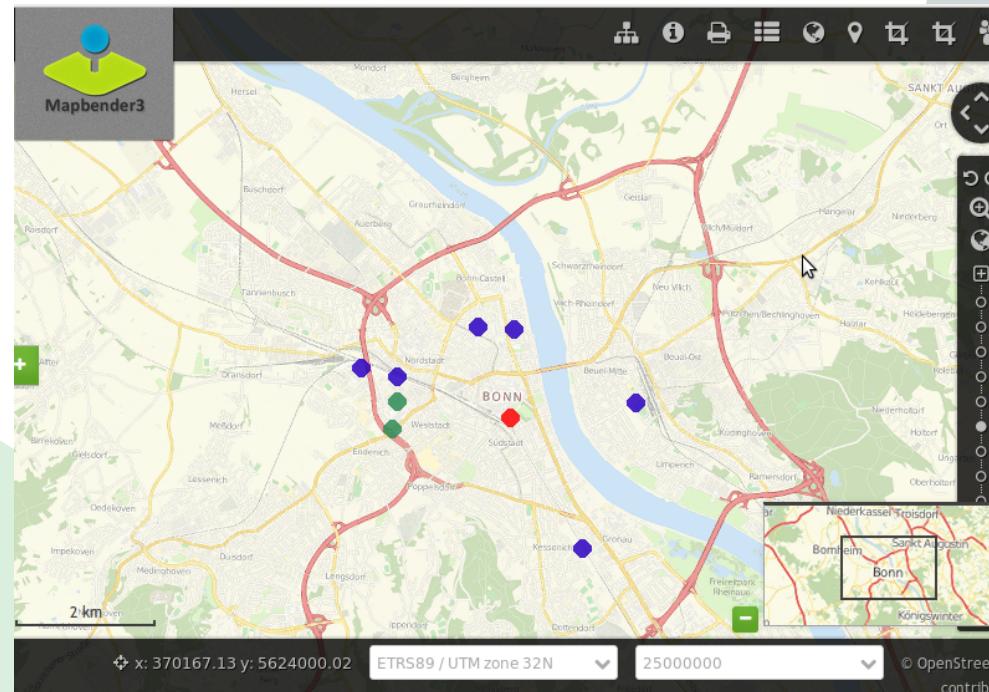


Mapbender Demo

FOSS4G-Europe: Join the workshop on Friday
OSGeoLive 11.0 Mapbender 3.0.6.1

Try it yourself

<https://mapbender.org/demo>





Free/Libre and Open Source Software (FOSS)
Copyleft Mayuri 2004





Thank you

Astrid Emde

astrid.emde@wherengroup.com

mapbender-users@list.osgeo.org



WhereGroup

Creative Commons Share Alike License 4.0



Mapbender – Astrid Emde WhereGroup FOSS4G Europe 2018 Guimarães