



Mapbender3

**Provide applications with the
Geoportal Framework Mapbender3**

Astrid Emde
FOSS4G 2016 Bonn (Germany)

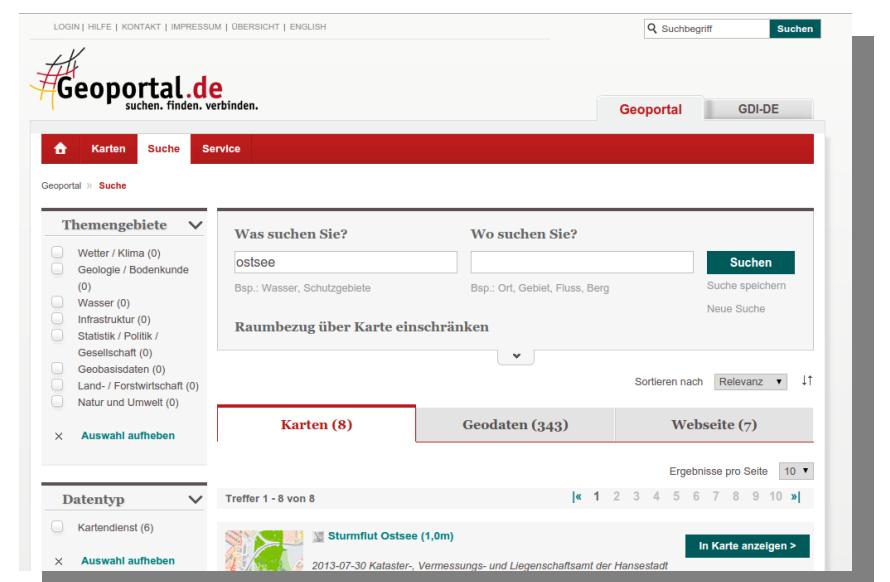
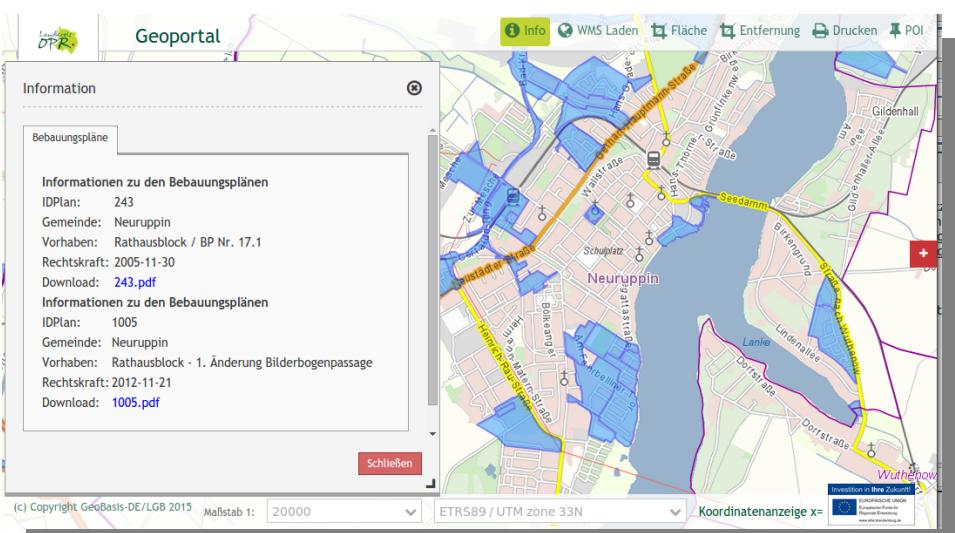
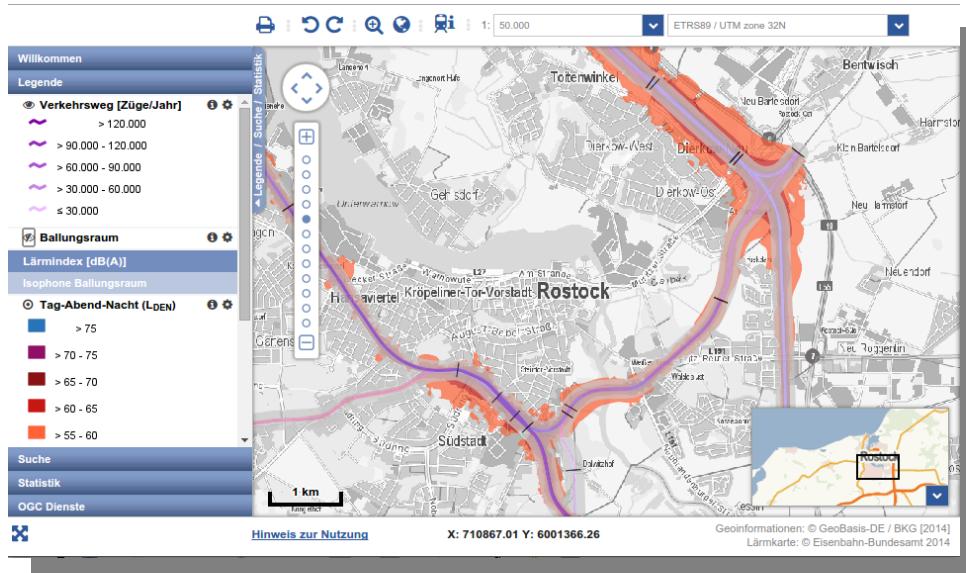


Astrid Emde

- Mapbender Team
-  WhereGroup (Bonn, Germany)
- FOSSGIS e.V. (OSGeo local chapter)
- Involved in  OSGeo Live



WhereGroup





WhereGroup

The screenshot shows a map of Bonn, Germany, with numerous icons representing user submissions. There are green lightbulbs scattered across the city, some with numbers (e.g., 1, 2, 3) and others with exclamation marks. A legend on the right side of the interface defines these symbols. Below the map is a search bar and a form for creating new reports.

Meldemax
Platform for
ideas & problems
in your town

The screenshot displays the MeTaDor 2 interface, which is a metadata editor. It features three main panels: 'Daten' (Data), 'Dienste' (Services), and 'Adressen' (Addresses). The 'Daten' panel lists various spatial datasets like 'Testpolygon_1' and 'Axel Wasserschutzgebiete Stadt Cuxhaven'. The 'Dienste' panel lists services such as 'DTK25', 'Import-Test Web Map Service', and 'BauNetzPlanung'. The 'Adressen' panel lists addresses and contacts, including 'GIS Service' and 'Herr Kisch'.

MetaDor2
Metadateneditor

**Consulting, Training
& more**



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

sandbox.mapbender3.org/application/mapbender_user

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

Mapbender3

Scale 1 : 100K

5 km

Brühl
Wesseling
Stadtwerke Wesseling
Niederkassel
Troisdorf
Lohmar
Sankt Augustin
Hennigsdorf
Bornheim
Wesel
terrestris GmbH & Co. KG
Bodenkundliche Dienstleistungen
Wesel QSG GmbH
Meerbusch
Glinde

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

Mapbender3 Astrid Emde FOSS4G 2016 Bonn

Mapbender3 - Mapbender Demo Map - Chromium

Mapbender3 - Mapbender



sandbox.mapbender3.org/application/mapbender_user



Layertree

Feature Info

Print

Legend

WMS Loader

GPS

Line Ruler

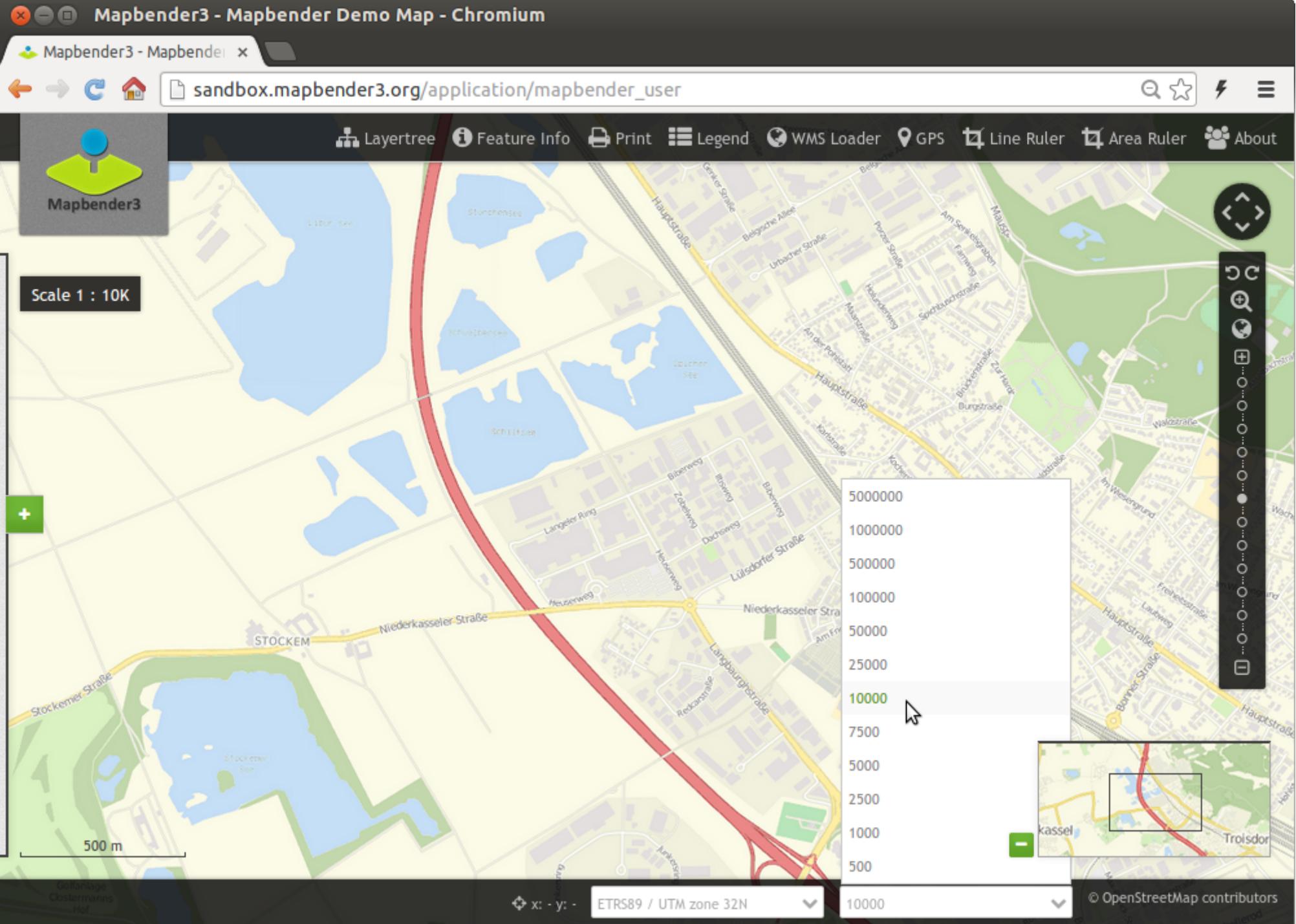
Area Ruler

About



Mapbender3

Scale 1 : 10K



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



CC



+



-



0



1



2



3



4



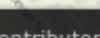
5



6



7



8



9

ETRS89 / UTM zone 32N

ETRS89 / UTM zone 33N

DHDN / 3-degree Gauss-Kruger

zone 2

DHDN / 3-degree Gauss-Kruger

zone 3

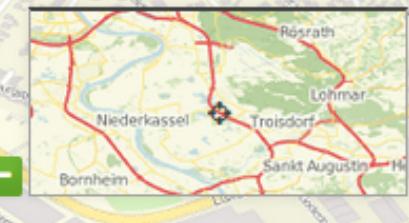
WGS 84

x: - y: -

WGS 84

10000

© OpenStreetMap contributors



Mapbender3 - mapbender1

sandbox.mapbender3.org/application/mapbender_user_yml

Mapbender3 Laytree Feature Info Print Image Export Legend WMS Loader GPS Line Ruler Area Ruler About POI

Layer tree

- Mapbender Users
 - Name
 - User
- OSM Demo

85

Q X

-

x: - y: - WGS 84 10000 © OpenStreetMap contributors powered by Mapbender

The screenshot shows a map application interface with a sidebar on the left containing a 'Layer tree' section. The 'Mapbender Users' and 'OSM Demo' layers are selected. A search bar with the number '85' and a zoom control with a minus sign are also visible. The main map area displays a street network with several roads highlighted in red, notably a large diagonal line and a road labeled 'Niederkasseler Straße'. A yellow line highlights a specific route. A green polygon covers a portion of the map. An inset map in the bottom right corner provides a detailed view of a specific intersection. The bottom of the screen features a coordinate input field ('x: - y: -') and a scale bar ('WGS 84 10000'). The footer includes copyright information for OpenStreetMap contributors and a 'powered by Mapbender' logo.

Mapbender3 - mapbender

sandbox.mapbender3.org/application/mapbender_user_yml

Mapbender3

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

Legend

Mapbender Users

User

- Company
- Administration
- University
- User

Schließen

Layer tree panel showing "Mapbender Users" and "OSM Demo" layers.

Map view showing a street network with buildings and water bodies. A callout box highlights a road segment labeled "85".

Legend panel titled "Mapbender Users" listing "User" types: Company (purple), Administration (red), University (green), and User (orange).

Control panel on the right with zoom, search, and other map controls.

Bottom status bar: x: - y: - WGS 84 10000 © OpenStreetMap contributors powered by Mapbender

Mapbender3 Astrid Emde FOSS4G 2016 Bonn

Mapbender3 - mapbender

sandbox.mapbender3.org/application/mapbender_user_yml

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

Mapbender3

WMS Loader

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

URL:

Benutzername:

Password:

Laden Abbrechen

Mapbender3 Layertree

Mapbender3 Germany Workshop

OSM Data

X: - y: - WGS 84 25000

© OpenStreetMap contributors powered by Mapbender

sandbox.mapbender3.org/application/mapbender_user_yml#mbpopup-1/button/ok

Mapbender3 - mapbender

sandbox.mapbender3.org/application/mapbender_user_yml

Mapbender3

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

Layertree

- Germany
- Mapbender Users
- Name
- User
- OSM Demo

85

Layer controls

Map controls

x: - y: - WGS 84 25000 © OpenStreetMap contributors powered by Mapbender

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

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

Print Client

Template: A4 Landscape official

Quality: Document (288dpi)

Scale: 1:5000

Rotation: 0

Title:

Print Cancel

200 m

x: - y: - ETRS89 / UTM zone 32N 7500 © 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

Print Client

Template: A4 Landscape official

Quality: Document (288dpi)

Scale: 1:5000

Rotation: 45

Title:

Print Cancel

200 m

x: - y: - ETRS89 / UTM zone 32N 7500 © OpenStreetMap contributors



Mappender3 Astrid Emde, WhereGroup

Stadt Troisdorf

Auszug aus dem Geoinformationssystem

Geobasisdaten der Kommunen, des Rhein-Sieg-Kreises

und des Landes NRW © Geobasis NRW 2015

Geodaten aus OpenStreetMap © OSM-Mitwirkende

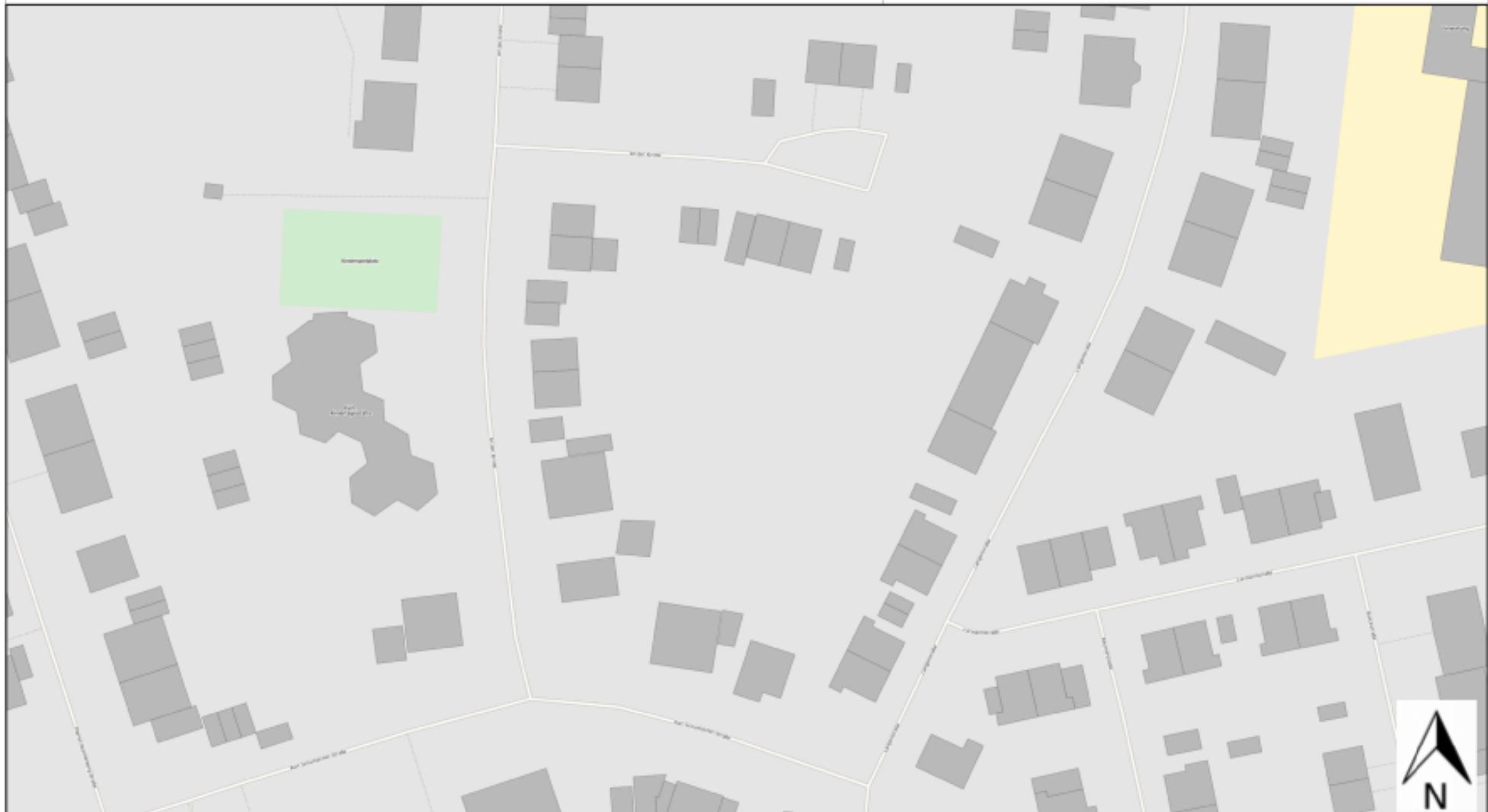


Troisdorf, 09.07.2015

Maßstab 1 : 1000

Kommentar: Mapbender Workshop

Druck Demo



Dieser Auszug ist nur bedingt zur Maßnahmeeinhaltung geeignet. Er kann nicht zur Beweisführung in behördlichen oder gerichtlichen Verfahren verwendet werden. Er ist gesetzlich geschützt. Eine Vervielfältigung, Umgestaltung, Veröffentlichung oder Weitergabe an Dritte ist nur mit Zustimmung des Herausgebers zulässig. Ausgenommen ist die Vervielfältigung oder Umgestaltung zur innerbehördlichen Verwendung einer Behörde zum privaten Gebrauch.

Weitere Informationen zur Nutzung der Geodaten finden Sie unter www.stadtplan.troisdorf.de/nutzungsbedingungen.html.



Set up your own application

Applications

demo.mapbender3.org

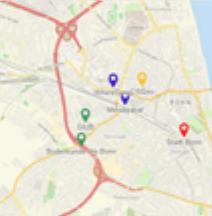
Mapbender3

v. 3.0.5.0

Login

Applications

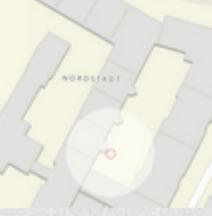
Filter application:

 **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



Mapbender3

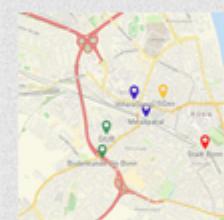
v. 3.0.5.0

▶ 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

mapbender_mobile_yml YML mapbender_mobile_yml



Logged in as: root



v. 3.0.5.0

New Application

Base data

Security

Template*

Fullscreen

Title*

demo

URL title*

demo

Screenshot*

Select file:

No file selected

Description

Mapbender3 demo

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

Create

Cancel



Mapbender3

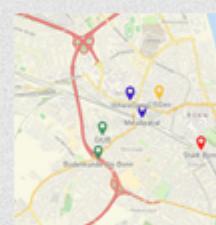
v. 3.0.5.0

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. The top bar includes a logo, the title "demo", a search bar, and a user status "Logged in as: root". The version "v. 3.0.5.0" is displayed in the top right. The left sidebar contains a navigation menu with sections like Applications, Sources, User control, and Groups, each with sub-links. The main content area is titled "demo" and features tabs for "Base data", "Layouts" (which is selected), "Layersets", "CSS", and "Security". Below the tabs, there are four sections: "Toolbar", "Sidepane", "Content", and "Footer", each with a "Title" input field and a "Type" dropdown. A tooltip "Add a new element" points to the "+" button in the Content section. The bottom navigation bar shows the URL "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.

Choose Map Element

Overview
Renders a small overview map

POI

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



- ▶ 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 +

Map Map



Footer

Title Type +

No element added

Mapbender3 - demo - Chromium

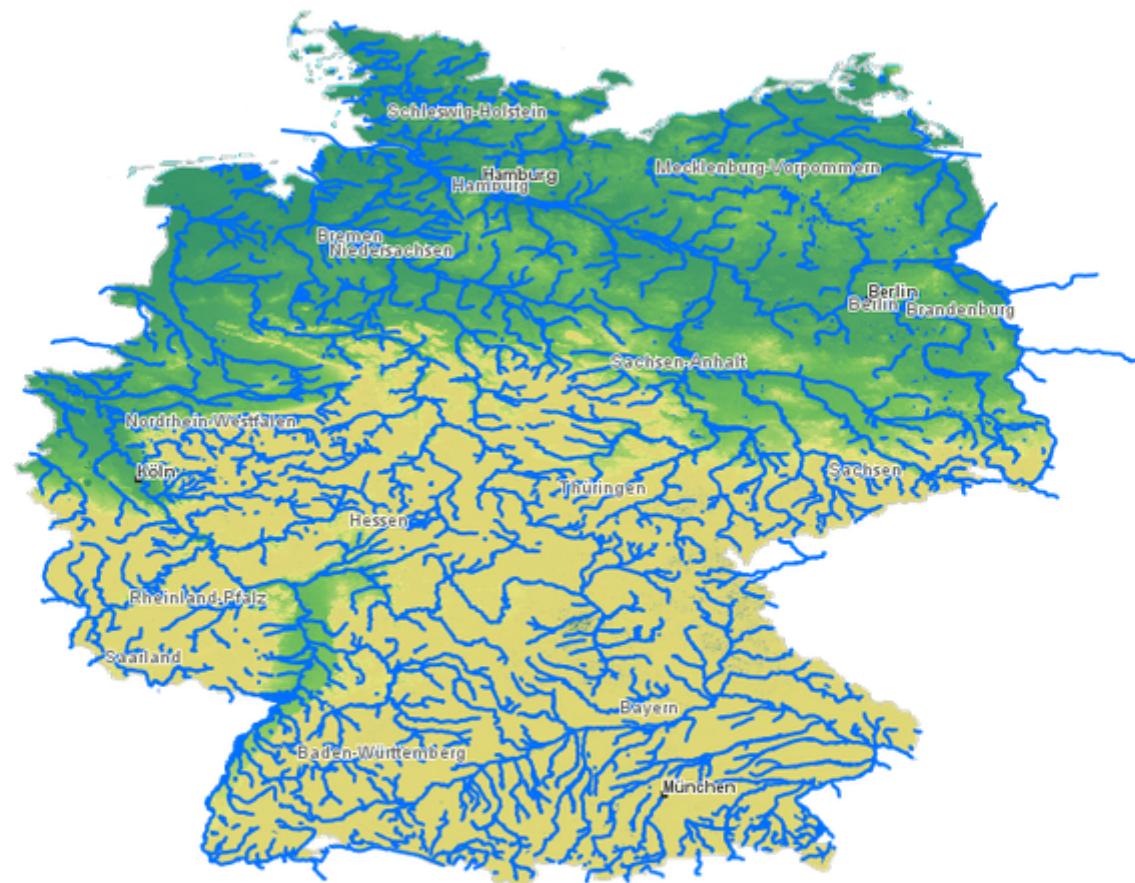
Mapbender3 - demo

Mapbender3 - demo

sandbox.mapbender3.org/application/demo



Mapbender3



Add source

demo.mapbender3.org/manager/repository/new

Logged in as: root

Syncing a f https://hel

v. 3.0.5.0



Mapbender3

Applications

- New application
- Export
- Import

Sources

- Add source

User control

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

Add source

OGC WMS

only valid

Service URL

Username

Password

Load Cancel

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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

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Mapbender3

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

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demo

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

Angemeldet als root

Layerset hinzufügen

Title* main

Ok Abbrechen

Speichern Abbrechen

Verbindung...

The screenshot shows a web-based application interface for Mapbender3. A modal dialog box is centered on the screen with the title "Layerset hinzufügen". Inside the dialog, there is a single input field labeled "Title*" containing the value "main". At the bottom right of the dialog are two buttons: a green "Ok" button and a red "Abbrechen" (Cancel) button. A cursor arrow is pointing at the "Ok" button. In the background, the main application area shows a sidebar with various menu items such as "Anwendungen", "Neue Anwendung", "Datengröße", "Nette Datengröße", "Benutzerverwaltung", "Benutzer", "Neuer Benutzer", "Gruppen", "Neue Gruppe", and "Berechtigungen ACIs". At the bottom left, there is a status bar with the text "Verbindung...". The top of the window has standard browser controls (back, forward, search, etc.) and a title bar indicating the URL "sandbox.mapbender3.org/manager/application/demo/edit".

demo

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

Logged in as: root

v. 3.0.6

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

Title*

Germany

Visible

Vendor specific

Format*

image/png

Proxy

Infoformat

text/html

Transparency

Tiled

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"/>								
topography	1	9.999994€	<input checked="" type="checkbox"/>								
border	750000	12499993	<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

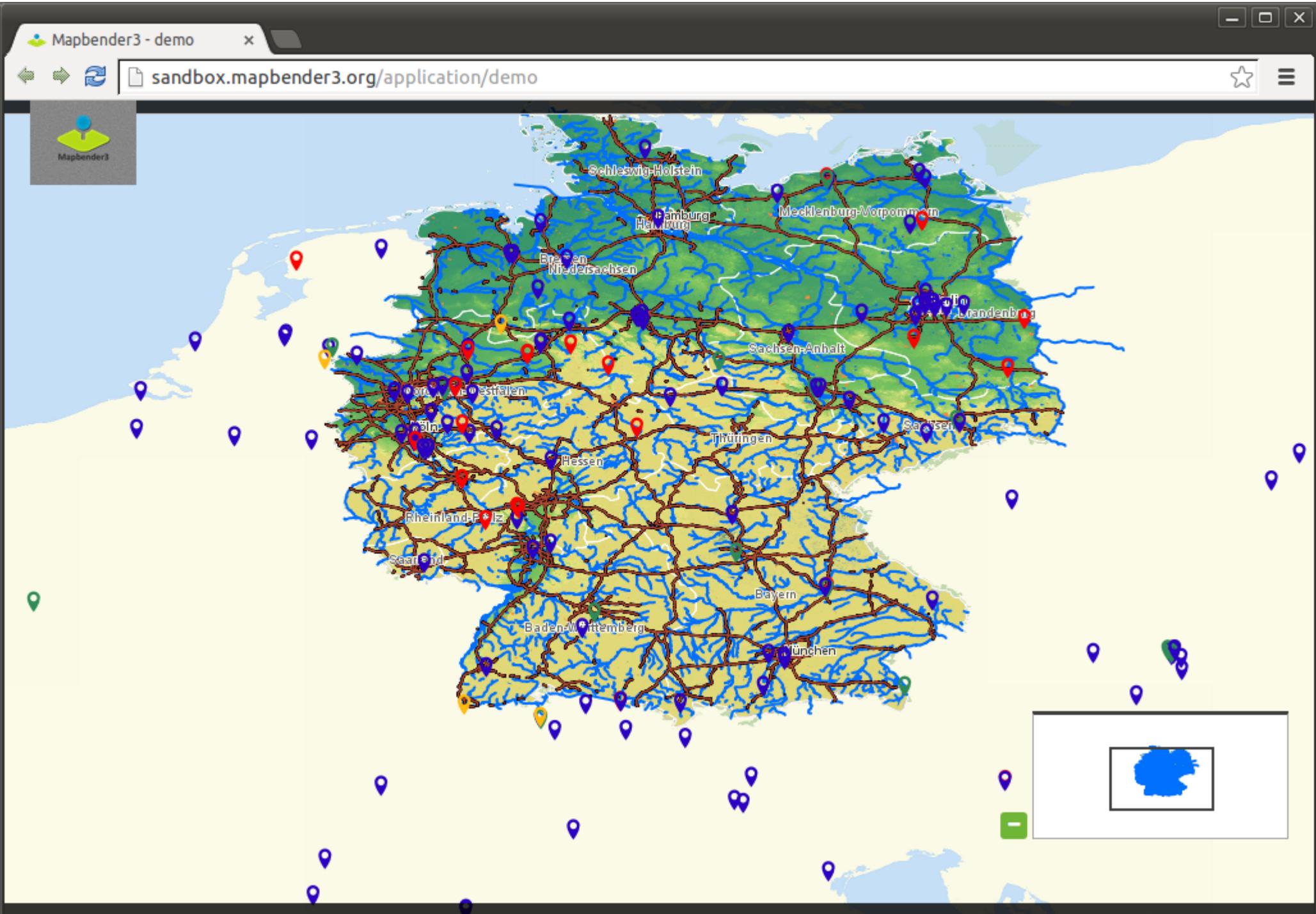
Grunddaten Layouts Layerset Sicherheit

Layerset Filter +

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

overview

Id	Titel	Typ	+  
3	Germany	WMS	  





Logged in as: root



Mapbender3

v. 3.0.5.0

New User

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

Username*

Astrid Emde

E-Mail*

astrid.emde@wherigroup.com

Choose password:*

Confirm password:*

Create

Cancel



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

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

New Group

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

Name*

Workshop

Description

Workshop Group

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

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

New Group

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

Filter

Name

1 users of 2 selected



root

 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

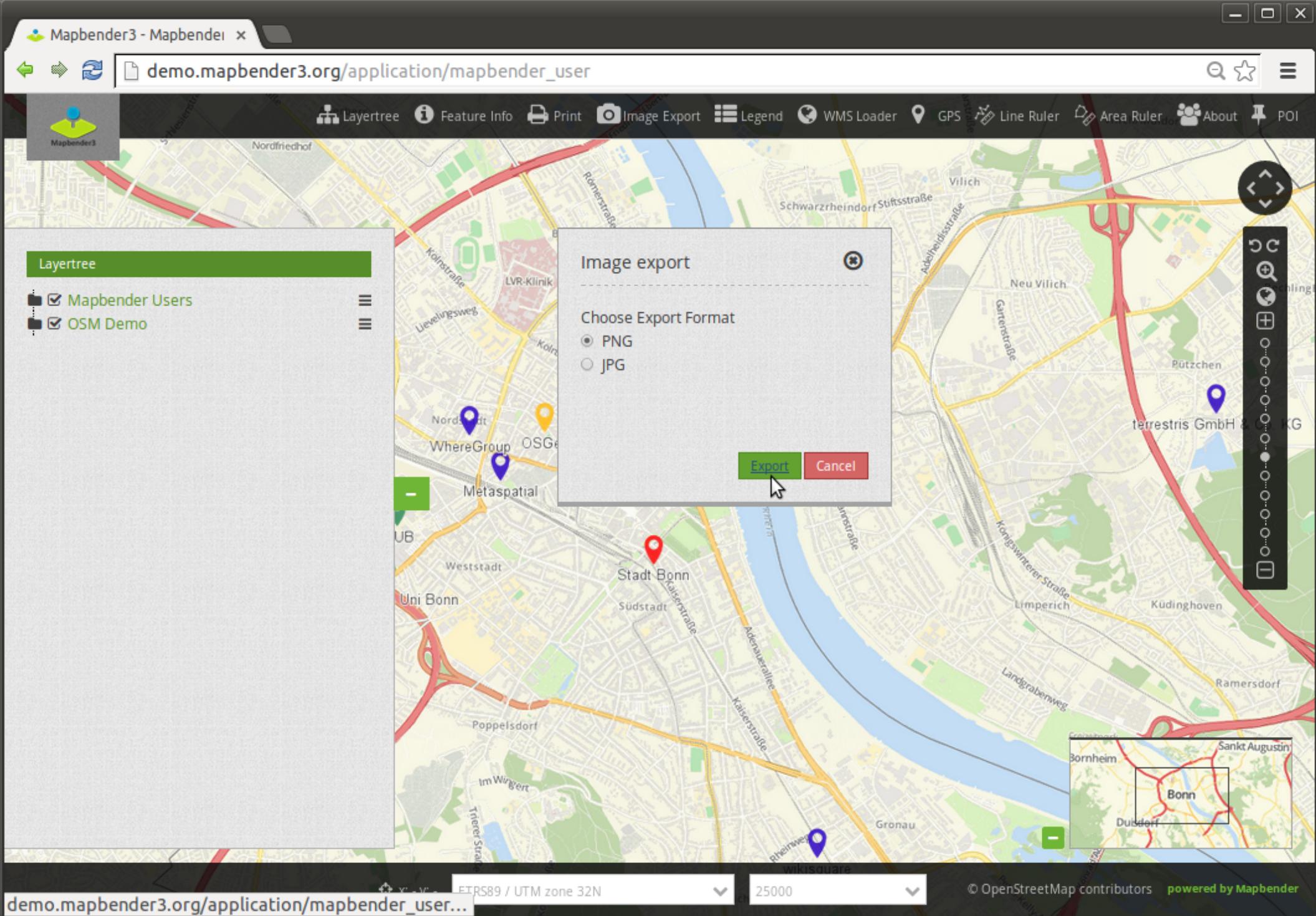
		view	edit	delete	operator	master	owner	
	Astrid Emde	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	root	<button>view</button>	<button>edit</button>	<button>delete</button>	operator	master	owner	
	IS_AUTHENTICATED_ANONYMOUSLY	<button>view</button>	<button>edit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

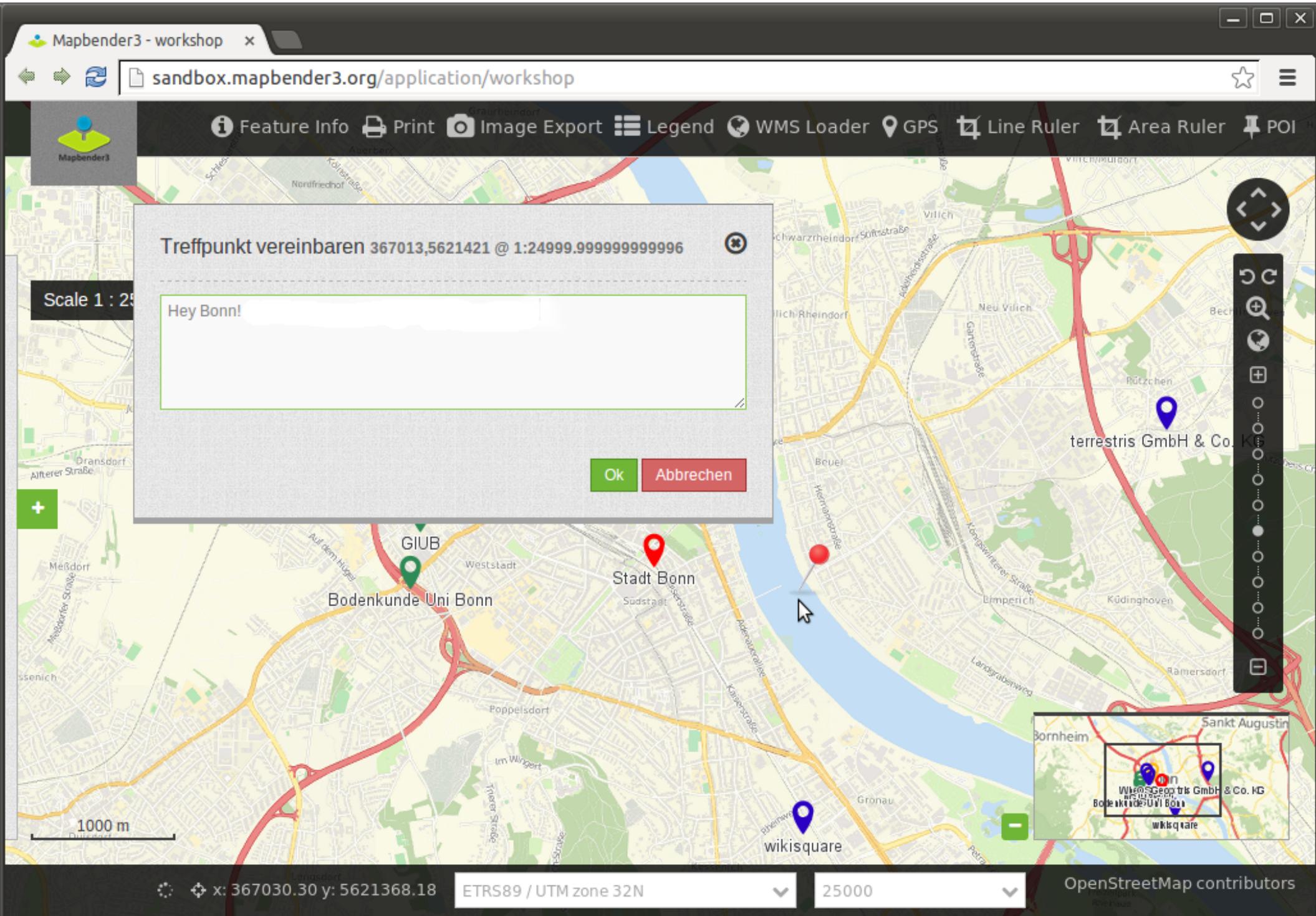
Add users and groups

Save Cancel

demo.mapbender3.org/manager/acl/overview

This screenshot shows the Mapbender3 application manager interface. The left sidebar contains navigation links for Applications, Sources, User control, and ACLs. The main content area is titled 'demo' and shows the 'Security' tab selected. It displays a list of users with their roles and permissions. The 'root' user is highlighted with a red 'owner' role. A 'Save' and 'Cancel' button are at the bottom right. A tooltip 'Add users and groups' is visible near a plus sign icon.





Mapbender3 - Mapbender

release.mapbender3.org/application/mapbender_user

Mapbender

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

Wilhelm-Spiritus-Ufer

b-it: Bonn-Aachen

LayerTree

Redlining

Point Line Polygon Rectangle Text

Text

Polygon 1

Line 2

Stresemannufer

Dahlmannstraße

ehemaliger Deutscher Bundesrat

Platz der Vereinten Nationen

Platz der Vereinten Nationen

FOSS4G 2016 Bonn

Come to FOSS4G 2016 in August to Bonn

ehemaliger Deutscher Bundestag

ehemaliger Deutscher Bundestag

Platz der Vereinten Nationen

World Conference Center Bonn (WCCB)

Karl-Carstens-Straße

Heussallee

Gronau

Schürmann-Bau

OSGeo Your Open Source Compass

ETRS89 / UTM zone 32N

2500

© OpenStreetMap contributors powered by Mapbender

Mapbender3 Astrid Emde, WhereGroup



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

G Stadt Gütersloh – Bebauu x

www.geodaten.guetersloh.de/Bebauungsplaene

Stadt Gütersloh

Bebauungspläne online

L(i)ebenswertes Gütersloh

i Informationen zu den B-Plänen Bebauungspläne im Verfahren Bitte auswählen ... Flächenmessung Distanzmessung

Ebenenbaum Suchen Legende

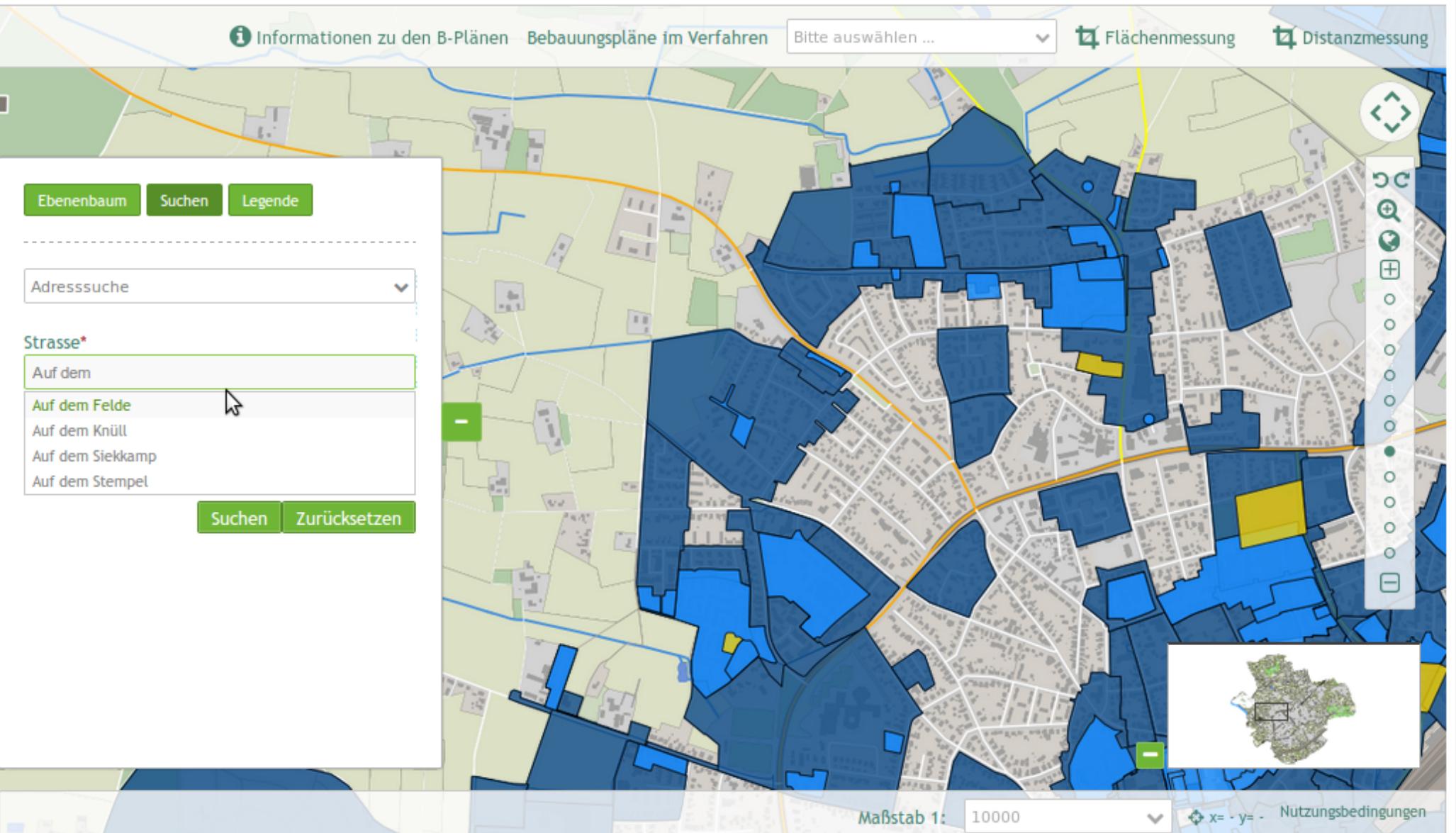
Adresssuche

Strasse* Auf dem Felde Auf dem Knüll Auf dem Siekkamp Auf dem Stempel

Auf dem

Suchen Zurücksetzen

- Maßstab 1: 10000 x= - y= - Nutzungsbedingungen



Bebauungspläne online

L(i)ebenswertes Gütersloh

 Informationen zu den B-Plänen Bebauungspläne im Verfahren

Bitte auswählen ...

 Flächenmessung

 Distanzmessung

Ebenenbaum Suchen Legende

Adresssuche

Strasse*

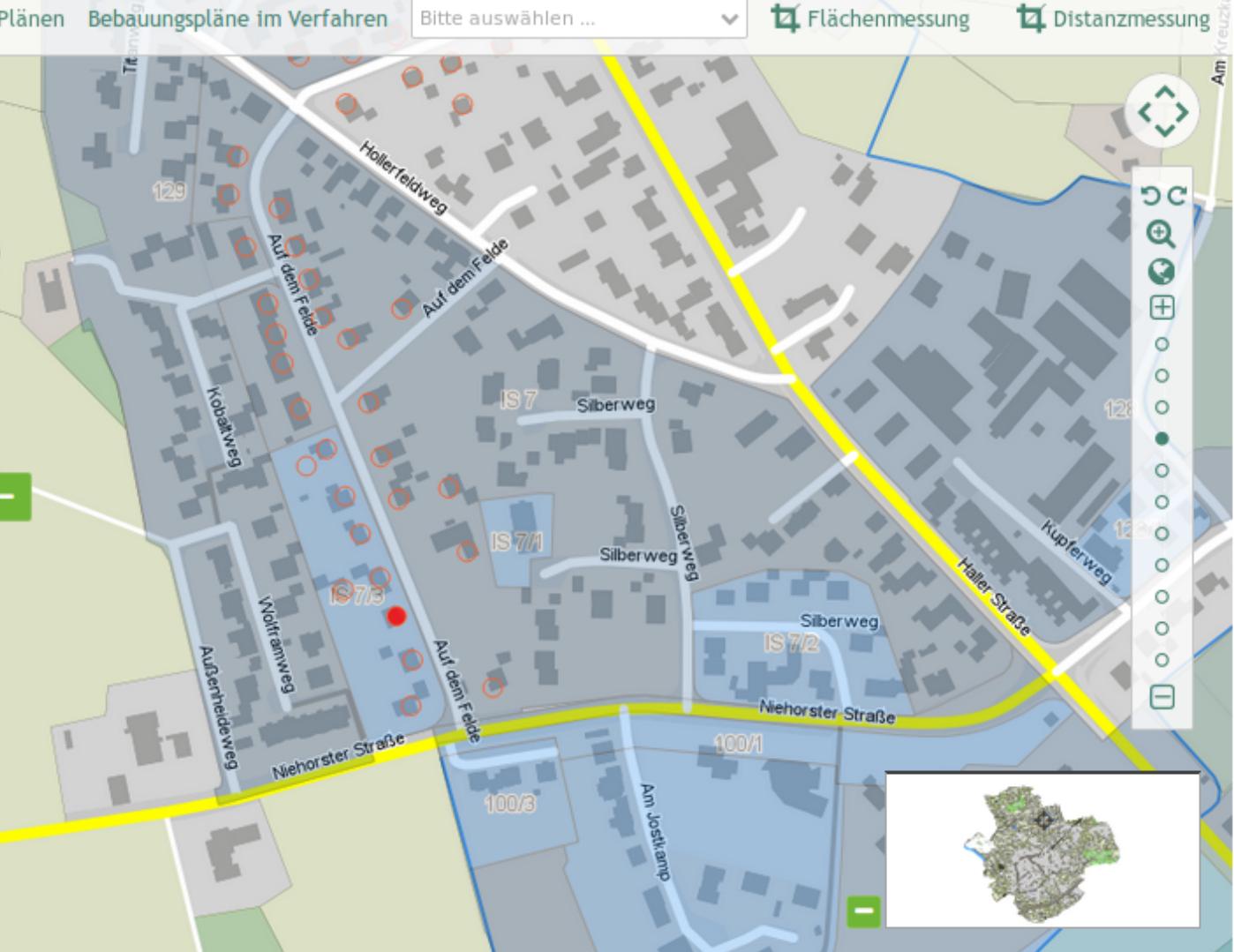
Auf dem Felde

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
10000

www.geodaten.guetersloh.de/Bebauungsplaene

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





Configuration SearchRouter

```

class:
Mapbender\CoreBundle\Component\SQLSearchEngine
class_options:
    connection: search_db
    relation: ortsschafoten
    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*

Ortssname*

ID	Name
40714919	Bonn

Search **Reset** **Close**

Geoportal

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

Landkreis DPR

Geoportal

Bebauungspläne Zurücksetzen

Themenbaum Legende Suche

Ergebnisse: 233 Seite 1/12

450 Rheinsberg
290 Rheinsberg 450 Rheinsberg Damaschkeweg / 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

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

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

Luftbilder - Kartendienste - Regionalverband Ruhr - geoportal.ruhr - Chromium

Luftbilder - Karten

luftbilder.geoportal.ruhr

m^{etropoleruhr}

Centrumstr. 67, 44793 Bochum
Centrumplatz 3, 44866 Bochum
Centrumstr. 48, 45307 Essen
Centrumstr. 11, 45768 Marl
Centroallee 1000, 46047 Oberhausen

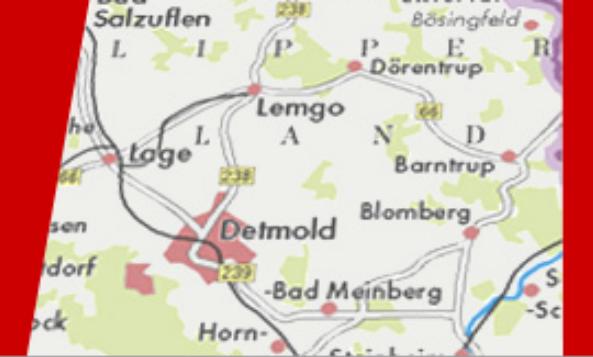
Aktualität Luftbilder 2011-2015

X: - y: - Maßstab: 1 : 250000

Impressum / Datenschutz

Lizenzbedingungen

Regionalverband Ruhr



Geoportal Kreis Lippe



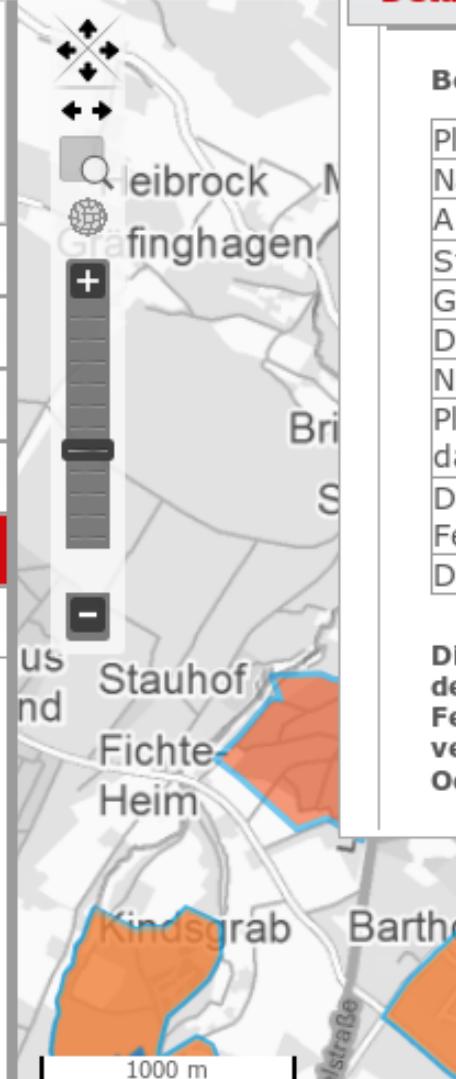
-
-
-
-

Kartenebenen

Legende

Information

Adresssuche



1000 m

x = - y = -

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

ETRS89 / UTM zone 32N

115

Allgemeine Suche

Kartenanzeige

Weitere Geothemen

Geoportal Kreis Lippe



Map navigation controls:

- Topographic map layer icon
- Scale bar icon
- Legend icon
- Information icon
- Address search icon
- Zoom in (+)
- Zoom out (-)
- Orientation icon
- Search icon
- Print icon

Kartenebenen

Legende

Information

Adresssuche

200 m



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

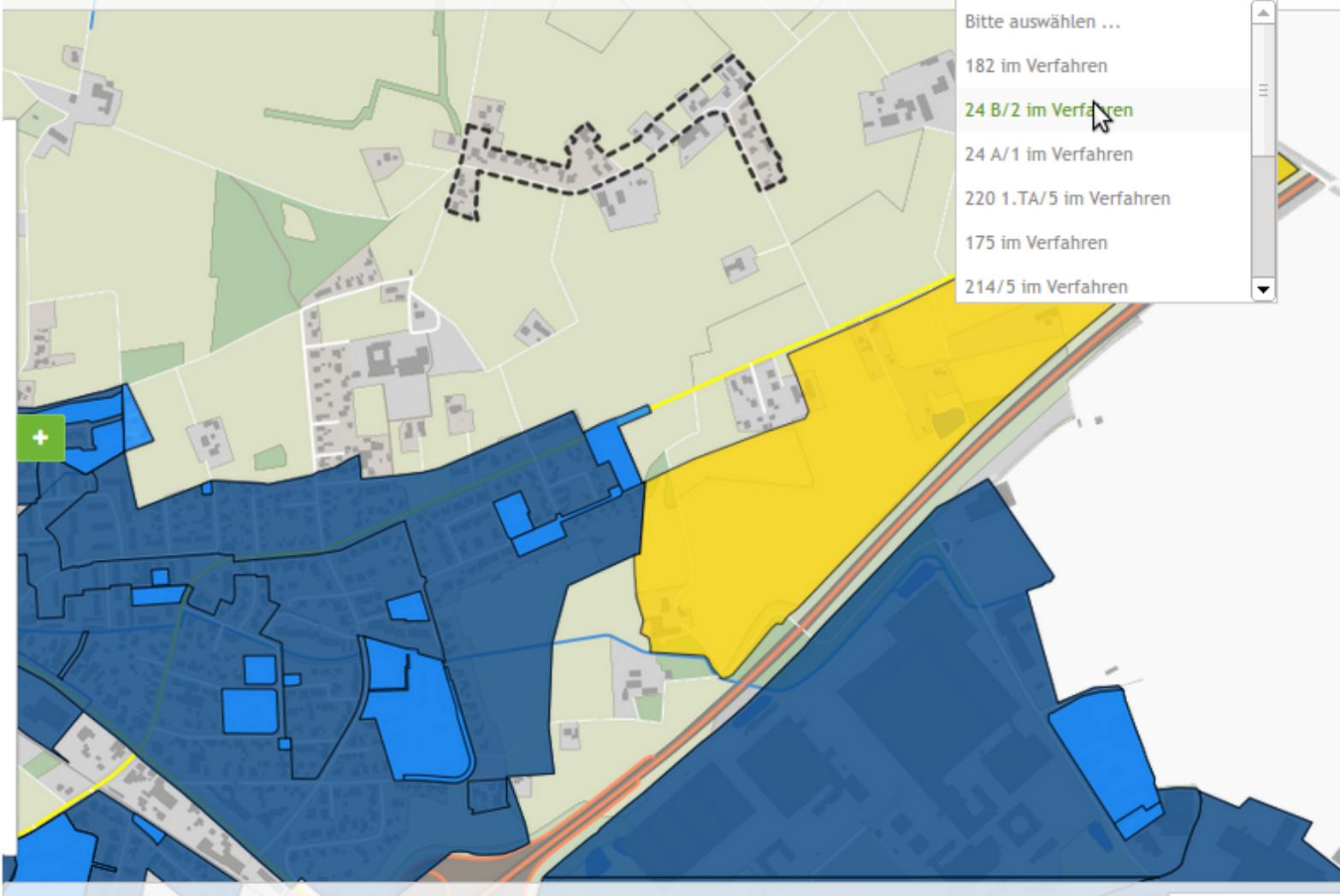
24 B/2 im Verfahren

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



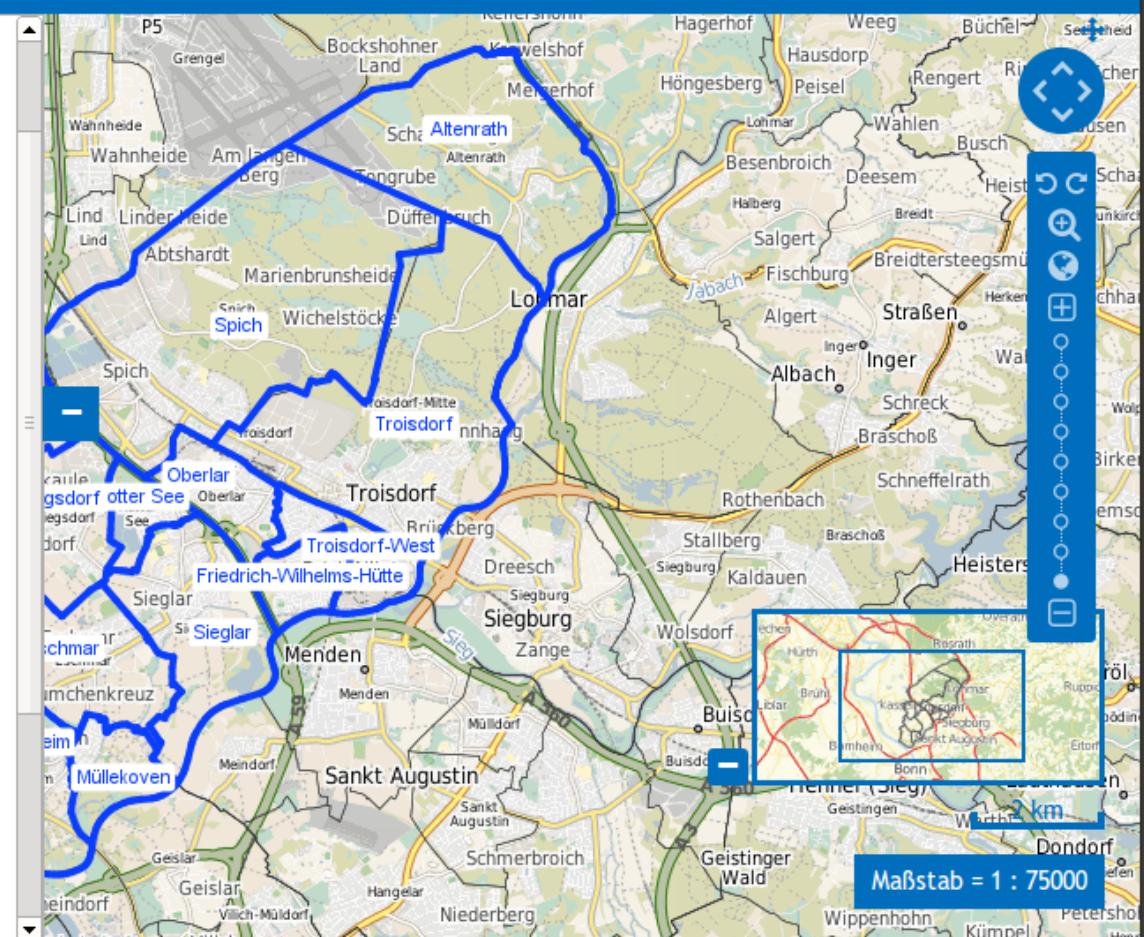
Stadt Troisdorf | Geoport: x stadtplan.troisdorf.de

STADT
TROISDORF
Eine Familien-Angelegenheit

Allgemeine Informationen
Bildung, Soziales und Familie
Freizeit und Tourismus
Kultur und Religion
Kultur und Religion
Kunsthaus
Museen
Kirchen
Moscheen
Planen, Bauen, Wohnen
Umwelt und Natur
Entsorgung
Altglascontainer
Altkleidercontainer
Sonderabfalldeponie Spich
Umgebungslärm
Umgebungslärm (Tag)
Umgebungslärm (Nacht)
NRW Umweltthemen
NRW Hochwasserkarten
NRW Wasserschutzgebiete
Verkehr
Verwaltung
Hintergrundkarten

Stadt Troisdorf | Stadtplandienst | Hilfe | Nutzungsbedingungen | Impressum

i ? Print Camera Download Strecke Fläche



Maßstab = 1 : 75000

X = - Y = - ETRS89 / UTM Zone 32N 75000 Copyright Kartendaten © OpenStreetMap-Mitwirkende

Mapbender3 - Geoportal

release.mapbender3.org/application/Geoportal

Mapbender3

Please select ...

WMC Editor

Id	Title	Description
3	Kennedybrücke Bonn	Bonn am Rhein
4	Poppelsdorfer Allee Bonn	Bahnhofsnahe, Bonn, Universität
5	Botanischer Garten Bonn	Bonn
6	Demo	Demo

+ Cancel

1000 m

25000

X: - y: -

OSGeo Your Open Source Compass

Mapbender3 - Geoportal

release.mapbender3.org/application/Geoportal

Mapbender3

Please select ...

Please select ...

Kennedybrücke Bonn

Poppelsdorfer Allee Bonn

Botanischer Garten Bonn

WMC laden

+ Id Title Description

3 Kennedybrücke Bonn Bonn am Rhein

4 Poppelsdorfer Allee Bonn Bahnhofsnahe, Bonn, Universität

5 Botanischer Garten Bonn Bonn

Cancel

Botanischer Garten

50 m

1000

X: - y: -

OSGeo Your Open Source Compass

Mapbender3 Astrid Emde, WhereGroup

The screenshot shows a Mapbender3 application interface. A modal dialog box titled "WMC laden" is open, listing three items with their titles and descriptions:

- 3 Kennedybrücke Bonn: Bonn am Rhein
- 4 Poppelsdorfer Allee Bonn: Bahnhofsnahe, Bonn, Universität
- 5 Botanischer Garten Bonn: Bonn

The background map displays the area around the Botanischer Garten in Bonn, showing various paths and landmarks. A context menu is open over the "Botanischer Garten Bonn" entry, listing "Please select ..." twice, followed by the specific location names.



Luftbilder

Verkehr

Planen und Bauen

kein Hintergrund

Luftbilder 2012

Luftbilder 2010

Luftbilder 2008

Luftbilder 2006



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

The screenshot shows the Mapbender3 application running in a web browser. The top navigation bar includes links for 'Geoportal' and 'Mapbender3 - Geoportal'. The main content area features a map of the Botanischer Garten Bonn, with several buildings highlighted in yellow. A sidebar on the left contains a 'Layer tree' and a 'Legend' section. The legend includes categories like 'Mapbender User', 'Company', 'Administration', 'University', and 'User', each with a corresponding colored location pin icon. Below the legend are links for 'OpenStreetMap (OSM)' and 'WhereGroup'. A 'Help' and 'Impress' link is also present. The central part of the interface is a 'Demo' section with tabs for 'Base data', 'Layouts', 'Layersets', 'CSS', and 'Security'. The 'CSS' tab is active, displaying the following code:

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

At the bottom right are 'Save' and 'Cancel' buttons. A footer at the bottom left displays the OSGeo logo.

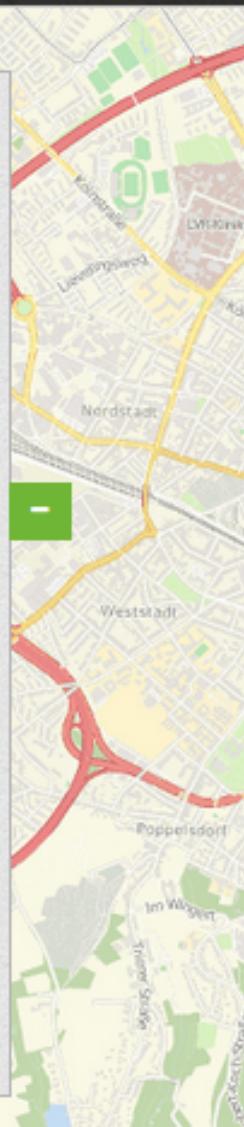


Mapbender3

Bischdorf

Grauemendorf

Geistlar

OpenStreetMap (OSM) Demo... ☰ x

Add element - HTML

Title*

HTM_add_image

Content

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

Classes



Back

Ok

Cancel



Mobile Template





Digitalization

Baumkontrolle

Bäume

nur Objekte des aktuellen Kartenausschnitts anzeigen.

Search:

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 **i**

letzte Kontrolle: 11.03.2015

Speichern **Löschen** **Abbrechen**

Nr.	Baum	Aktionen
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

Digitalization



Digitizer

polygon digitizing

Select by current extent only

Nr.	Name	
51	WhereGroup GmbH & Co. KG	
52	WurstTeufel	
53	Nazar Döner Laden	
54	OBI	
56	Weg zu Wurstteufel	
57	Metzger	
67	Fläche	
69	Kreis	
70	Ellipse	
91	Ein Kreis	

1 bis 10 von 14

1 2 →

Gallery | Mapbender3

mapbender3.org/en/gallery

Mapbender3

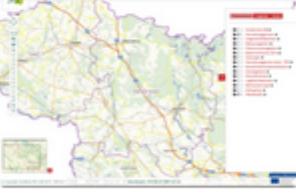
Download

Home What is Mapbender3? Get Started Documentation Community Gallery

Gallery

 [Geoportal.de](#)

 [Geoportal Kreis Lippe](#)

 [Geoportal Kreis Ostprignitz-Ruppin](#)

 [Geoportal Stadt Frankfurt](#)

 [OSGeo Project](#)
Open HUB **2.15M Lines**

Folgen Sie uns auf Twitter:
[@Mapbender folgen](#)
[Tweets about "#Mapbender3"](#)



previous | next | index

Mapbender3 Documentation »



Table Of Contents

Welcome to Mapbender3's documentation!

Indices and tables

Previous topic

Welcome to the Mapbender3 documentation

Next topic

The Book

This Page

Show Source

Quick search

Go

Enter search terms or a module, class

Welcome to Mapbender3's documentation!

Contents:

- [The Book](#)
 - [Installation](#)
 - [Git-based installation](#)
 - [Using the quick_install.py script](#)
 - [Components](#)
 - [Directory structure in Mapbender3](#)
 - [Concepts](#)
 - [Configuring the database](#)
 - [Translation in Mapbender3](#)
 - [How to create your own Template?](#)
 - [How to change the style of your application with the css-editor?](#)
 - [Mapbender3 Quickstart](#)
 - [Mapbender templates](#)
 - [Glossary](#)
 - [Version history](#)
- [Bundle Documentation](#)
 - [MapbenderCoreBundle](#)
 - [MapbenderWMSBundle](#)
 - [MapbenderWMCBundle](#)
 - [FOMUserBundle - Users and Security](#)
 - [FOMManagerBundle -Using the FOM Manager](#)
 - [OwsProxy3CoreBundle](#)
 - [How to create a Bundle?](#)
- [The Developer's Book](#)
 - [Introduction](#)



Which components does Mapbender3 use?

- **Symfony2 as PHP framework**
 - **Doctrine, Twig, Monolog, Bootstrap...**
 - **Bundles**
- **OpenLayers**
- **MapQuery**
- **jQuery**
- **SQLite, PostgreSQL, MySQL, Oracle database**



Version 3.0.5.4

- Release will get published after FOSS4G 2016
- Bugfix Release with lot of fixes
- SASS-Compiler - Performance improvements
- Support for PHP 7
- Unification of structure



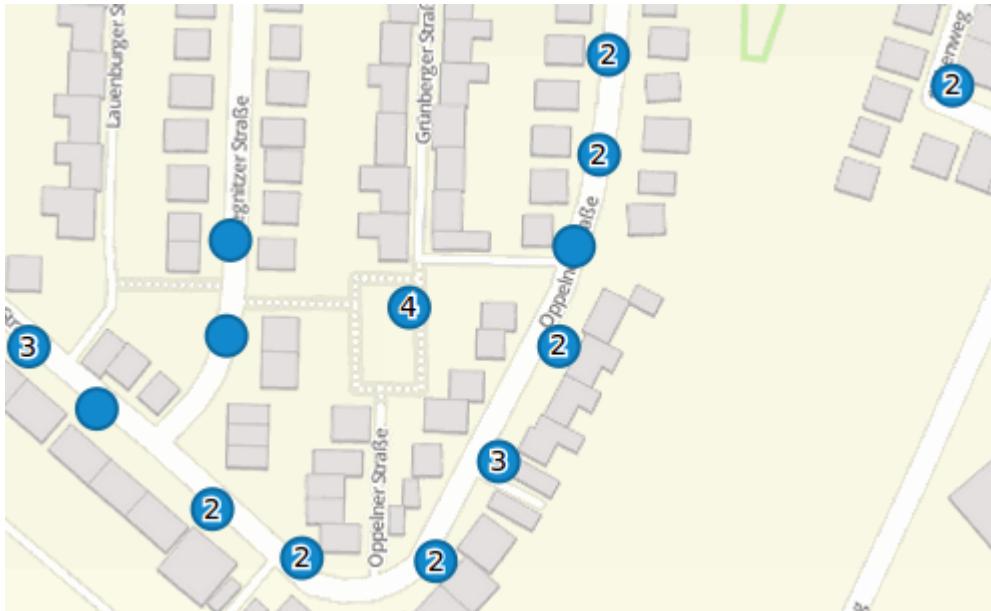
Version 3.0.6

- Feature Release
- Update to Symfony 2.7 LTS
- Modularisation of elements (repository for each Element)
 - makes update easier
 - easier contribution of functionality by other developer



in progress

Digitizer - Clustering



- **distance:** Distance between features in meters to start the clustering
- **disable:** Disables the clustering

poi:

...

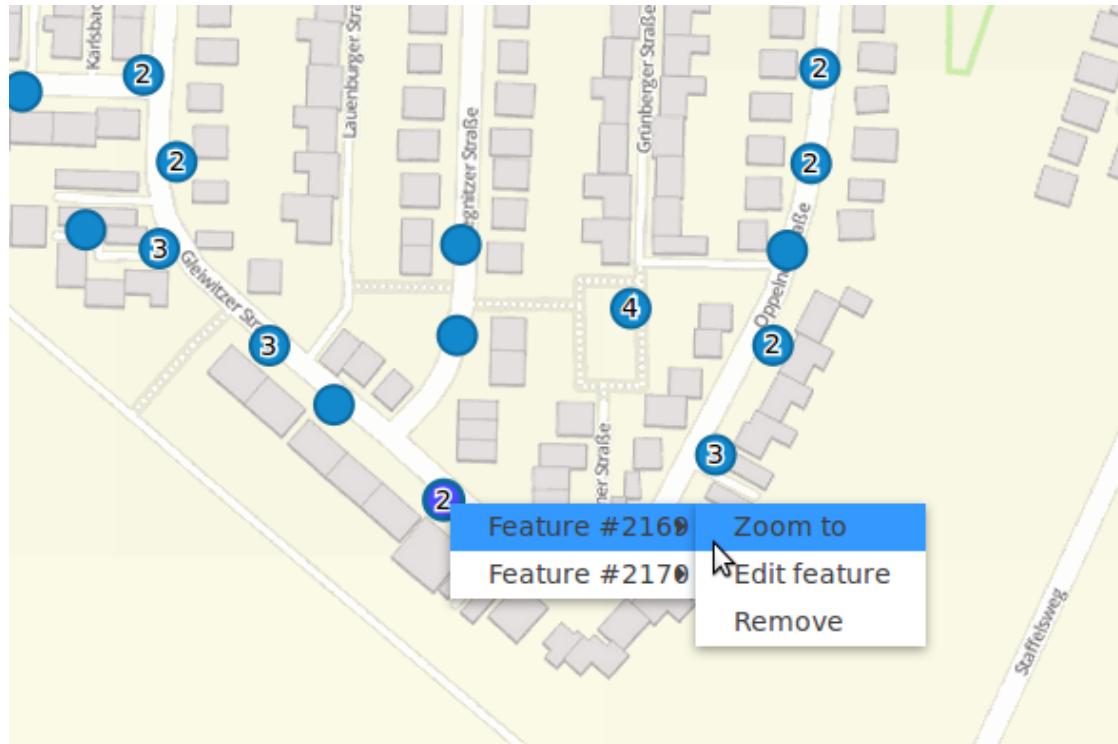
clustering:

- scale: 10000
distance: 60
- scale: 2500
distance: 40
- scale: 1000
distance: 20
- scale: 500
distance: 1
disable: true



in progress

Digitizer - Context menu



poi:

...

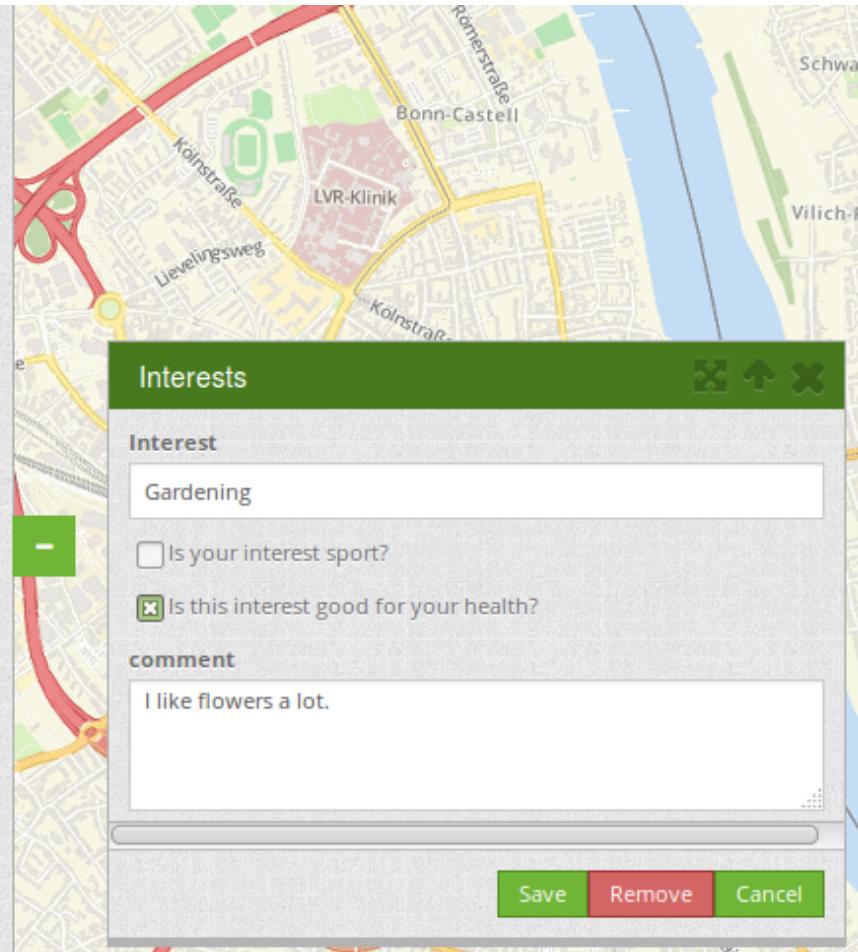
useContextMenu: true

in progress



Edit data without geometry

- e.g. tree species, interests



The screenshot shows a map of Bonn, Germany, with several streets labeled: Römerstraße, Körnerstraße, Lieveingweg, and Kölnstraße. A red polygon covers the area around the Bonn-Castell. A yellow marker is placed on the map. Overlaid on the map is a modal dialog titled "Interests". The dialog contains a table with the following data:

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

Below the table, there is a page navigation bar showing "1 / 10 (25)" and a green "next" button. To the left of the map, there is a sidebar titled "Data store Interests" with a search bar and a list of interests. The "Gardening" row in the sidebar has a green plus sign icon next to it.

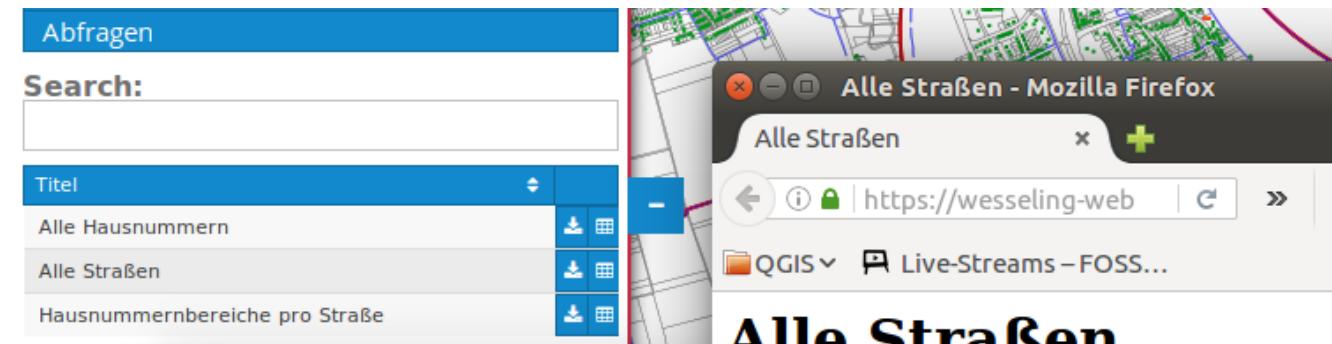
The "Interests" dialog also contains a "comment" section with the text "I like flowers a lot." and three buttons at the bottom: "Save" (green), "Remove" (red), and "Cancel" (green).

in progress

Query_Builder for evaluation



- Embed, view and edit SQL queries
- Export results



Abfragen

Search:

Titel

- Alle Hausnummern
- Alle Straßen
- Hausnummernbereiche pro Straße

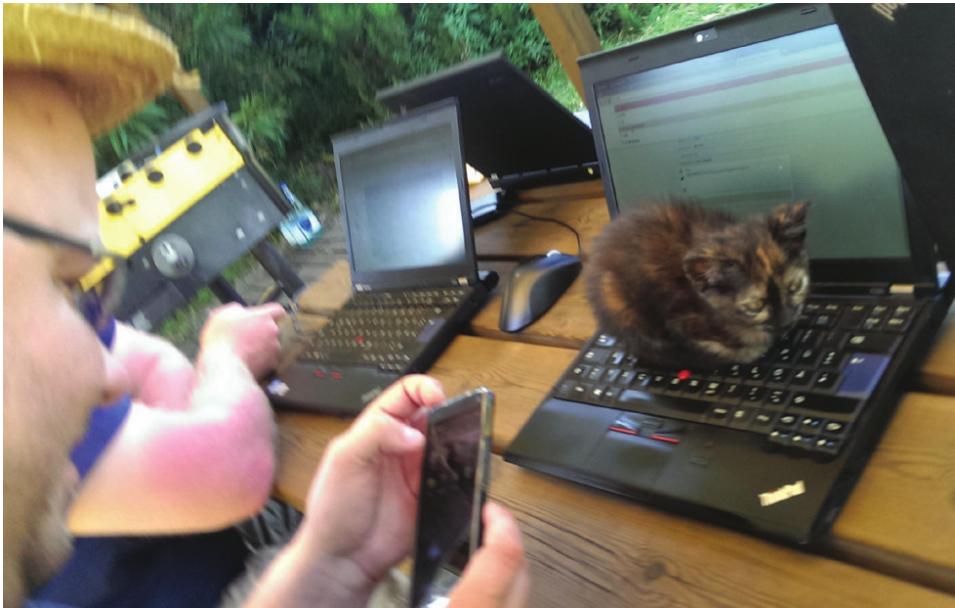
Öffnen von export-list.xls

Sie möchten folgende Datei öffnen:
 export-list.xls
 Vom Typ: Microsoft Excel Arbeitsblatt
 Von: <https://wesseling-webgis.wher...>

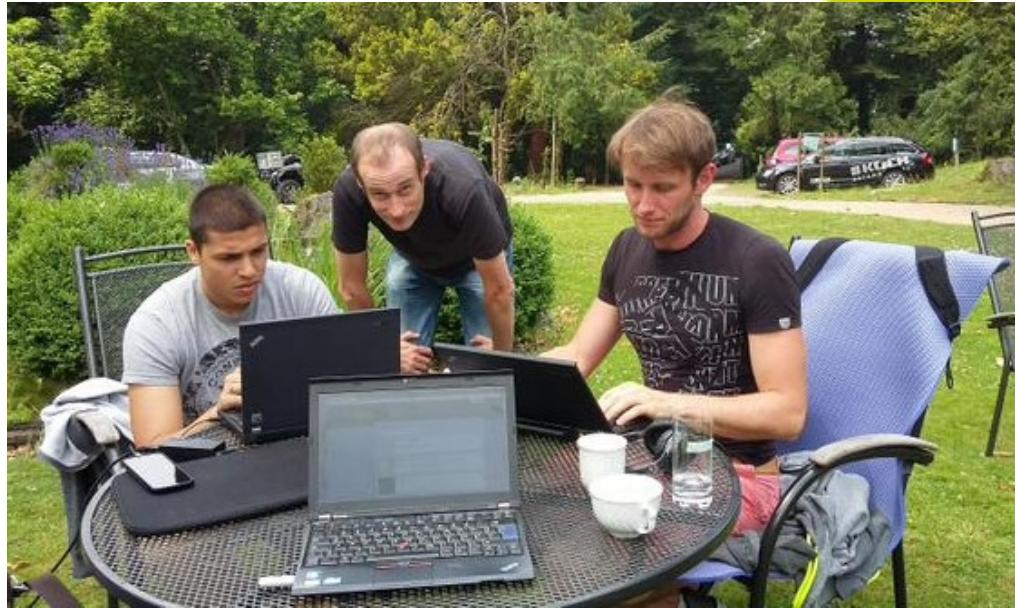
Wie soll Firefox mit dieser Datei verfahren?
 Öffnen mit **LibreOffice Calc (Standard)**
 Datei speichern

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

You are welcome to get involved!



@OSGeo Hacking
Event Bolsena 2014



@FOSSGIS Hacking
Linuxhotel Essen 2015



Mapbender3 Astrid Emde, WhereGroup

@FOSS4G Code
Sprint Basecamp Bonn
2016



Join us on Saturday

- Join us at
FOSS4G
Codesprint in
Bonn
- Sat 2016-08-27



@FOSS4G Codesprint Basecamp Bonn 2016

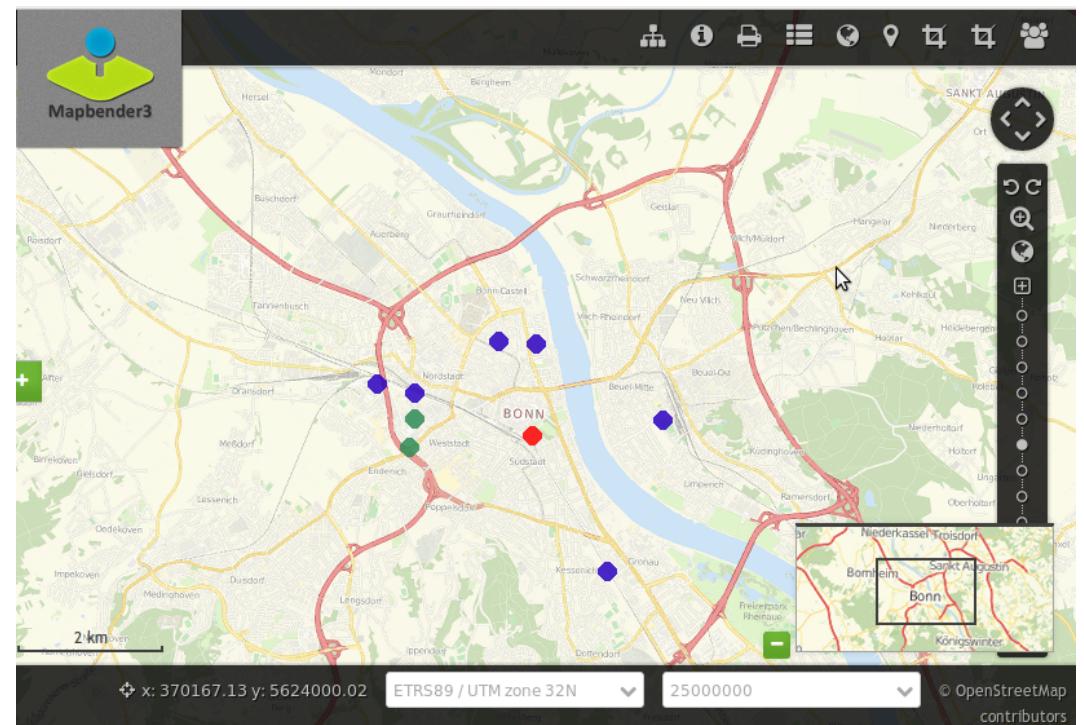


Mapbender3 Demo

Try it yourself

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

Mapbender 3.0.5.3 on
OSGeo-Live 10.0





Thank you

Astrid Emde astrid_emde@osgeo.org

mapbender-users@list.osgeo.org

With friendly support by:



WhereGroup

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