

Mapbender 4 - create applications for your needs with the new version



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FOSS4G Europe 2024

Tartu (Estonia)



Programme Link: <https://talks.osgeo.org/foss4g-europe-2024/talk/YMU3UV/>

Astrid Emde

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Mapbender PSC



Olaf Knopp
Mapbender Chair

Geschäftsführer der WhereGroup und Mapbender-Projektleiter. Entscheidend bei der grundlegenden konzeptionellen Ausrichtung der Software und dem Zusammenhalt des Teams.



Astrid Emde
Mitglied des PSC

Technische Leitung des Projekts. Absolute Mapbender-Expertin. Hat schon zahlreiche Projekte mit Mapbender umgesetzt, Workshops und Schulungen gehalten. Qualitätssicherung, Dokumentation, Testing und OSGeoLive.



Thorsten Hack
Mitglied des PSC

Technischer Kopf mit viel Leidenschaft und Spaß an den Details.



Frederik Häfker
Mitglied des PSC

Spezialist für Mapbender im realen Einsatz - seine Schwerpunkte sind die Integration in bestehende Systeme und Workflows rund um die Software.



Jörg Thomsen
Mitglied des PSC

Als Berater und Trainer seit vielen Jahren am Aufbau und der Konfiguration von zahlreichen Anwendungen maßgeblich beteiligt.



WhereGroup

- 🏠 50 employees - developers, consultants & geospatial experts
- 🏠 Working with & supporting Open Source Geospatial Software for more than 15 years
- 🏠 Berlin | Bonn | Freiburg | Hamburg
- 🏠 FOSSGIS e.V. member & OSGeo sponsor
- 🏠 Company behind Mapbender & MapComponents
- 🏠 Training Institute FOSS Academy





Component of the GIS

The screenshot shows the Mapbender web interface. On the left is a sidebar with navigation options. The main area displays a map of land parcels. On the right is a detailed information panel for a selected parcel. Callouts point to specific UI elements:

- menubar**: Points to the top toolbar containing icons for search, zoom, and other map functions.
- Attribut- and FeatureInfo**: Points to the right-hand information panel showing details for a selected parcel.
- Search**: Points to the search input field in the sidebar.
- WFS Search for parcels**: Points to the search results area in the sidebar.
- Schlagbildung – extended FeatureInfo**: Points to a table at the bottom right showing parcel statistics.
- Search & download of own objects**: Points to the 'Suche Eigene Objekte' button in the sidebar.

Flurstück Information:

Flurstück	
Nummer	080260-000-00601/000
FLIK	DEB WL1026000E0LF
Katasterfläche [ha]	3.4073 (ALB)
GIS-Fläche [ha]	3.4072 (ALK)
Landkreis	
Name	Hohenlohekreis
Gemeinde	
Name	Schöntal
Gemarkung	
Nummer	260
Name	Oberkessach
beantragte Flurstücke (Vorjahr)	
Schlagnummer	Anzahl Flurstücke
2	1

Schlagbildung – extended FeatureInfo Table:

Antragsdaten Vor.				
Schlag	NC	bean. Fläche ohne LE	bean. Fläche der LE	Flst.
2	175	3.41	0	zeigen





What is Mapbender

New in Version 4.0.0

Future

Mapbender

Base maps No background FeatureInfo Legend WMS loader POI Print Image export Share URL Search location

Layer tree

- Themes
- Mapbender Users
 - Name
 - User
- FOSSGIS Konferenzen
- FOSS4G Conferences
 - FOSS4G Conference Loc...

Line/Area Ruler

Sketches

Coordinates utility

Data Upload

View manager

About Mapbender

Scale 1 : 129K

2 km

© OpenStreetMap contributors powered by Mapbender

View

Base data Layouts Layersets CSS Security

Template: Fullscreen

Top toolbar



Title	Type	
Base source switcher	Base source switcher	
FeatureInfo	Button	
Legend	Button	
WMS loader	Button	
GPS Position	GPS Position	
POI	Button	
Print	Button	
Image export	Button	
Share URL	Share URL	
Simple Search	Simple Search	
Imprint	HTML	

Sidepane



Title	Type	
Layer tree	Layer tree	
Legend	Legend	
Line/Area Ruler	Line/Area Ruler	



References.

Mapbender is used by a variety of map applications for publishing geodata. Here are a number of examples:

<https://mapbender.org/en/showcase/>



Bebauungspläne online (Stadt Gütersloh)



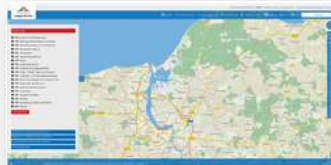
Centropemap (Planungsgemeinschaft OST)



Denkmalatlas Niedersachsen



Geoportal Kreis Groß-Gerau



Geoport.HRO (Hansestadt Rostock)



Geoportal Kreis Lippe



Geoportal Kreis Ostprignitz-Ruppin







Geoportal Landkreis Spree-Neiße

Mapbender




- ❏ WebGIS Client Suite with administration web interface
- ❏ Create applications without writing a single line of code!
- ❏ Any number of applications with only one installation
- ❏ Create and maintain an OWS repository
- ❏ User & role management
- ❏ Grant users and groups access to applications and services
- ❏ Supports several languages & add support for your language

Mapbender

-  Modular
-  You can add your own functionality
-  You can add your own design
-  You can overwrite settings and code









Mapbender

-  MIT License
-  OSGeo project since 2006
-  You are welcome to join the community



Some Links

-  Mapbender auf Github <https://github.com/mapbender>
-  Mapbender Dokumentation <https://docs.mapbender.org>
-  Developer Documentation
<https://github.com/mapbender/mapbender/blob/master/docs/README.md>
-  Mapbender Workshop Repository <https://github.com/mapbender/mapbender-workshop>
-  Gallery <https://mapbender.org/en/showcase/>
-  Demo <https://demo.mapbender.org/>



Requirements

Running on your server



Needs a WebServer like Apache HTTP Server
or NGINX

Needs PHP & some extensions

Database for administration i.e. SQLite or
PostgreSQL

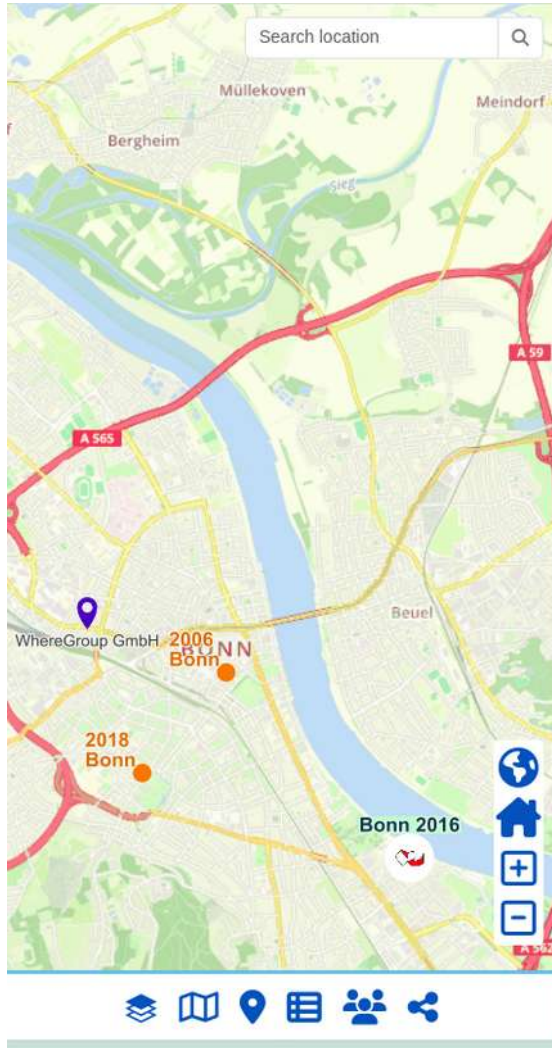
Functionality

Offers many features that you can combine.

Offers elements to visualize, create and edit data.

Search & print functionality & much more





Applications







Offers template applications

Template applications demonstrate the functionality

Create a copy & build your own application

Or start from scratch

Mapbender 4.0.0

-  Release 26. June 2024
-  Many updates & improvements
-  Try it out!
-  Visual Changelog <https://mapbender.org/aktuelles/details/mapbender-version-400-released/>

Mapbender – Update of the Components



Symfony

Symfony 6.4 LTR
Support till 11/2027
PHP 8.2 und 8.3 Support
PHP >= 8.1



OpenLayers

9.x
Support for OL2 is
now deprecated



Bootstrap

5.3.2



jQuery / jQuery

jQuery 3.7.1
jQuery UI 1.13.2



FontAwesome

6.4.2



underscore.js

No use anymore

Mapbender 4.0 - Update Overview

- Documentation update
- Workshop Bundle update
<https://github.com/mapbender/mapbender-workshop/tree/master>
- Production & Developer mode via APP_ENV
index.php instead of app.php
index_dev.php instead of app_dev.php
- CoordinatesUtility is now part of MapbenderCore
DataManager, DataSource are part of Digitizer
- OpenLayers 2 is deprecated
- Directory structure changed
- No local Webserver anymore.
Alternative: Symfony CLI
symfony server:start --no-tls
- .yaml statt .yml
- config.yml is deprecated – Information is now in other files for example doctrine.yml and env.local

New Login Image



[Impressum & Kontakt](#) | [Datenschutz](#)



Anmeldung

Benutzer *

Passwort *

► [Passwort vergessen?](#)

Anmelden





Login Image

branding.login_backdrop

Definition in file parameters.yaml

`branding.login_backdrop: ./image/backdrop.jpg`

Major Release

Very Major release brings a new Login Image

Splash Screen



Version 4.0

Karten

Luftbilder

kein Hintergrund

Information

Legende

WMS laden

Messen

Messen

MeetingPoint (POI)

YYYYY

Bildexport

URL teilen

Copyright

Ebenenbaum

Ansichtsverwaltung

Skizzen

Koordinaten Utility

Über Mapbender



Mapbender Demo



500

Mapbender Demo

powered by Mapbender



Basisdaten Layouts Layerset CSS Sicherheit

Titel*

Mapbender Demo NRW

URL Titel*

mapbender_demo_nrw_db_imp

Vorschaubild

Datei auswählen Keine ausgewählt

Beschreibung

Mapbender Demo zur Veranschaulichung der YAML-Definition

☐ Kartenzustand merken

☒ Ladescreen anzeigen

Splash Screen

Is shown while application is loading
Image and applications title

Define Image per Application

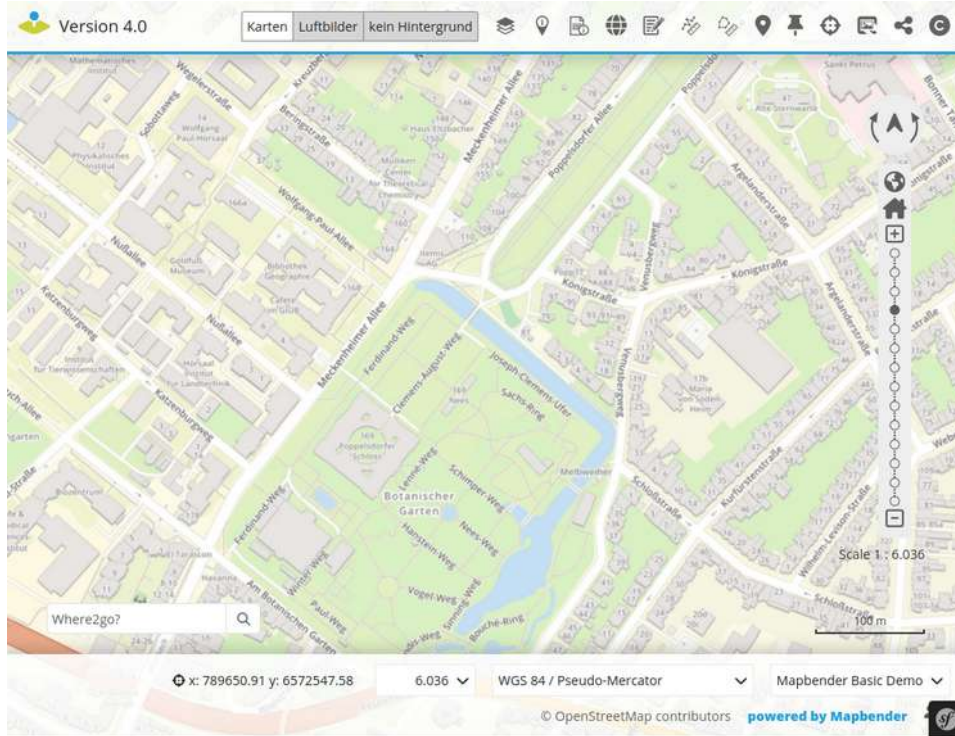
In parameters.yaml you can refer to images per application

```
branding.splashscreen_image:
  default: ./bundles/workshopdemo/images/mapbender_logo.png
  mapbender_demo: ./bundles/workshopdemo/images/ws_logo.png
```

Demo Applications



The screenshot displays the Mapbender 4.0 web application interface. The top navigation bar includes links for 'Karten', 'Luftbilder', 'kein Hintergrund', 'Information', 'Legende', 'WMS laden', 'Messen', 'Messen', 'Treffpunkt', 'Drucken', 'Bildexport', 'URL teilen', 'Copyright', and a search bar. The left sidebar contains an 'Ebenenbaum' (Layers) section with a tree view showing 'Themen' (Themes) and 'Hintergrundthemen' (Background Themes). The main map area shows a street map of Bonn, Germany, with a blue polygon highlighting a specific area. A measurement tool overlay is active, displaying the text 'Fläche' (Area), 'Doppelklicken zum Beenden' (Double-click to finish), and the calculated area '2.216 m²'. The bottom status bar shows the coordinates 'x: 790855.51 y: 6572870.21', the scale '6.036', the projection 'WGS 84 / Pseudo-Mercator', the application name 'Mapbender Demo', and the text 'powered by Mapbender'.



Demo Application

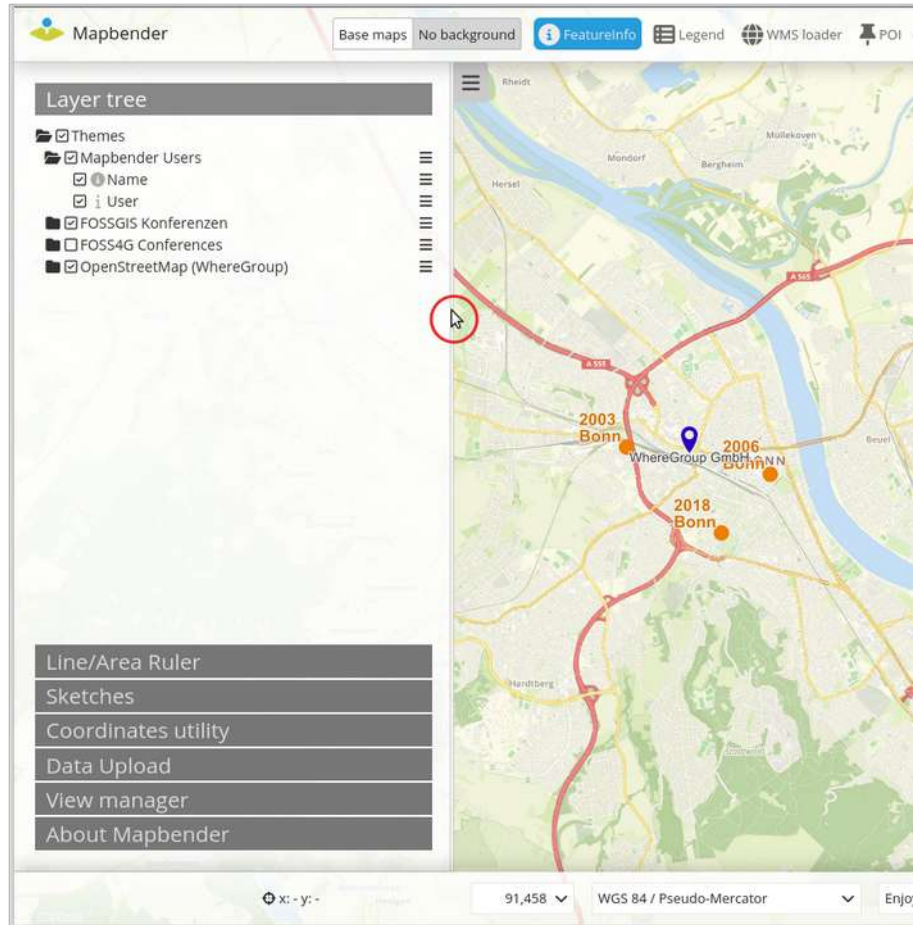
3 Applications

Mobile & Desktop demos

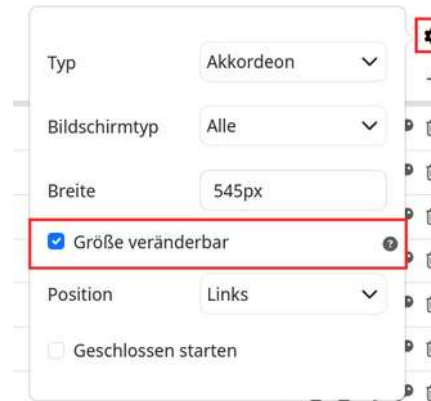
Demonstrating most of the Elements

Showing Design Adoptions

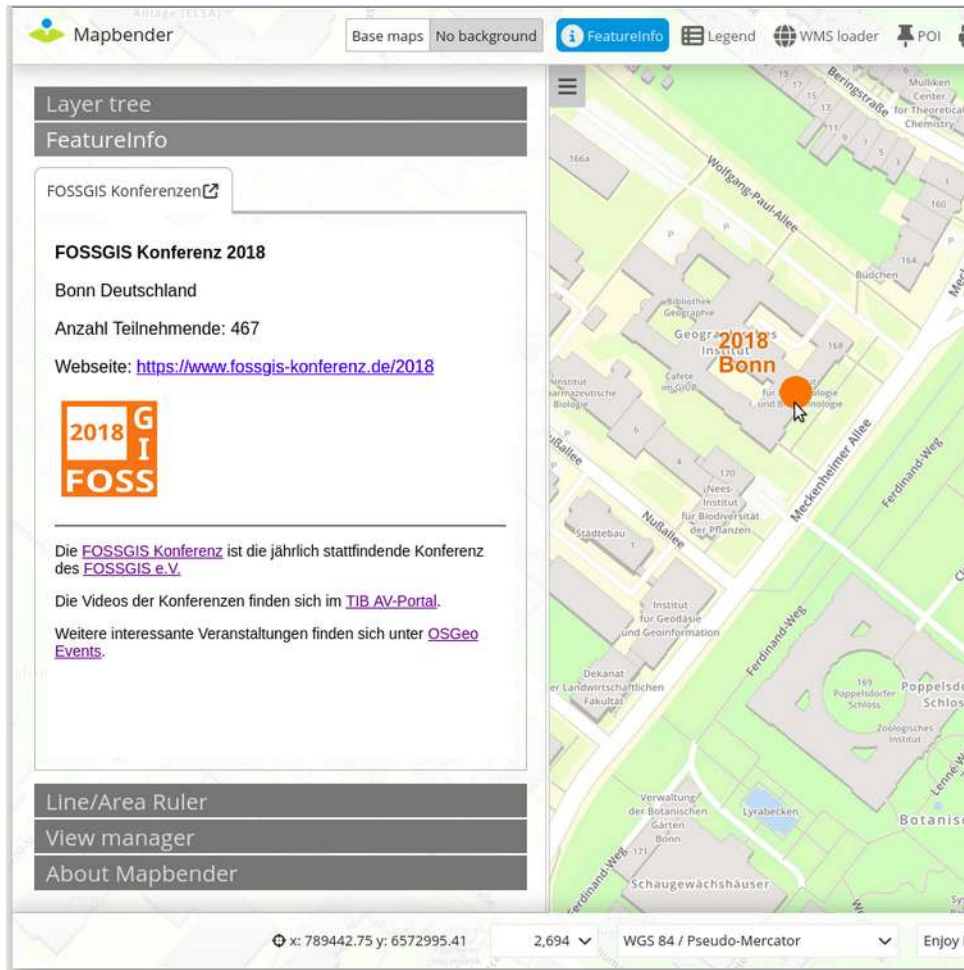
Drag the Sidepane



You can disable this feature



Use Information element in the Sidepane



Mapbender

Base maps No background FeatureInfo Legend WMS loader POI

Layer tree

FeatureInfo

FOSSGIS Konferenzen

FOSSGIS Konferenz 2018

Bonn Deutschland

Anzahl Teilnehmende: 467

Webseite: <https://www.fossgis-konferenz.de/2018>

2018 G I FOSS

Die [FOSSGIS Konferenz](#) ist die jährlich stattfindende Konferenz des [FOSSGIS e.V.](#)

Die Videos der Konferenzen finden sich im [TIB AV-Portal](#).

Weitere interessante Veranstaltungen finden sich unter [OSGeo Events](#).

Line/Area Ruler

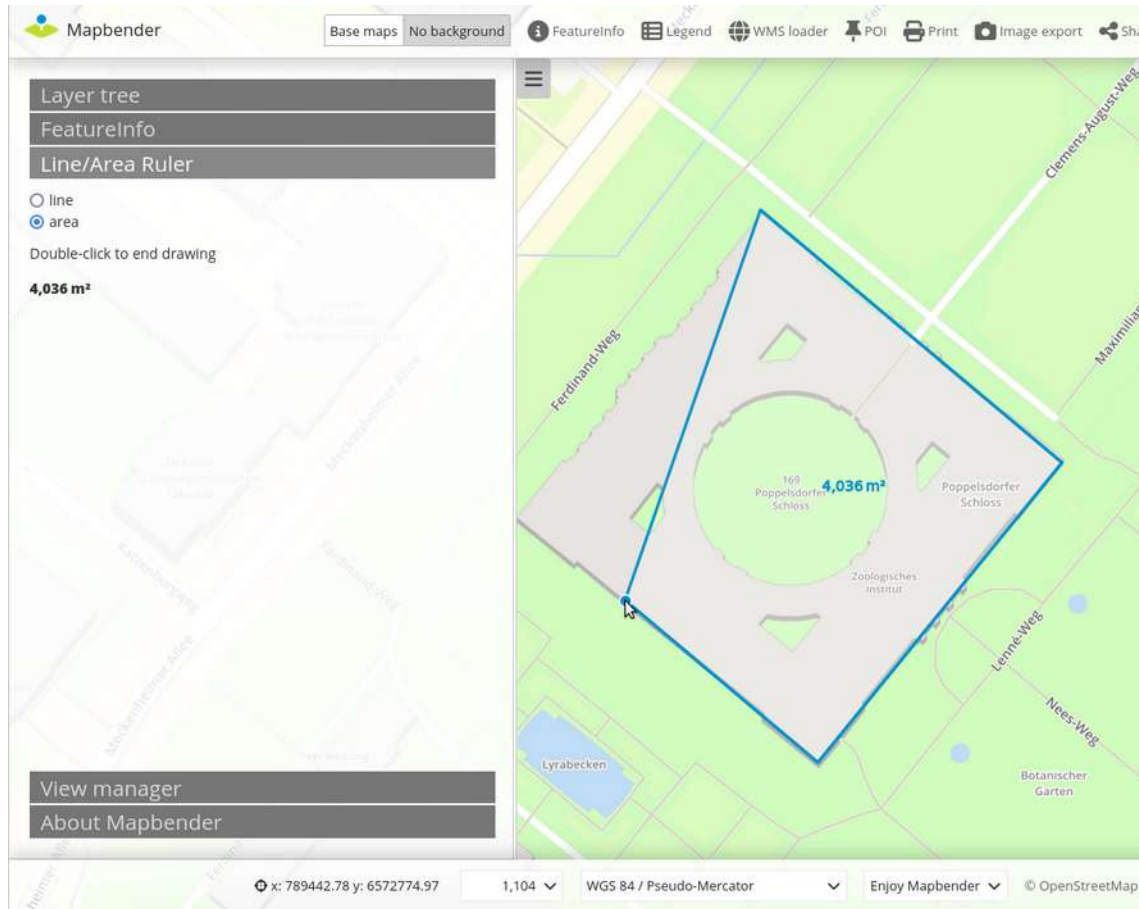
View manager

About Mapbender

x: 789442.75 y: 6572995.41 2,694 WGS 84 / Pseudo-Mercator

Show results in the Sidepane

Use measuring tool in the Sidepane



Switch between line/area

Show results in the sidepane



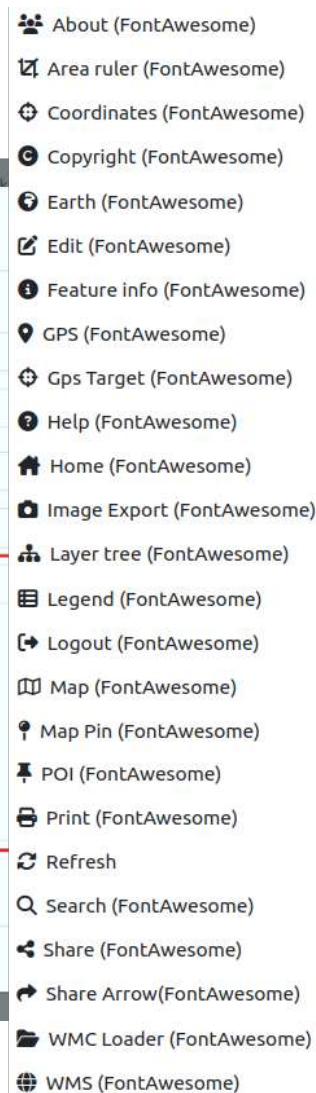
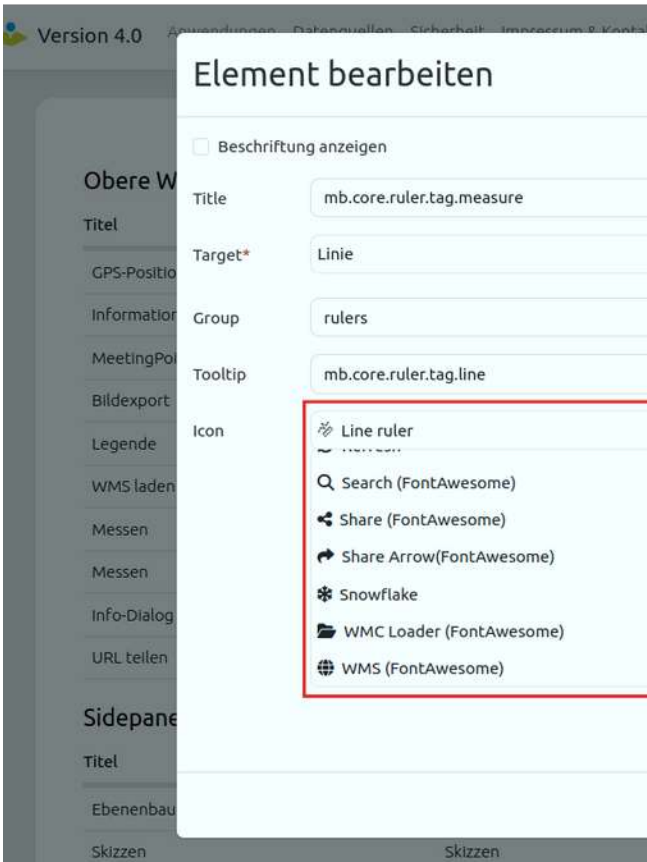
Symbols

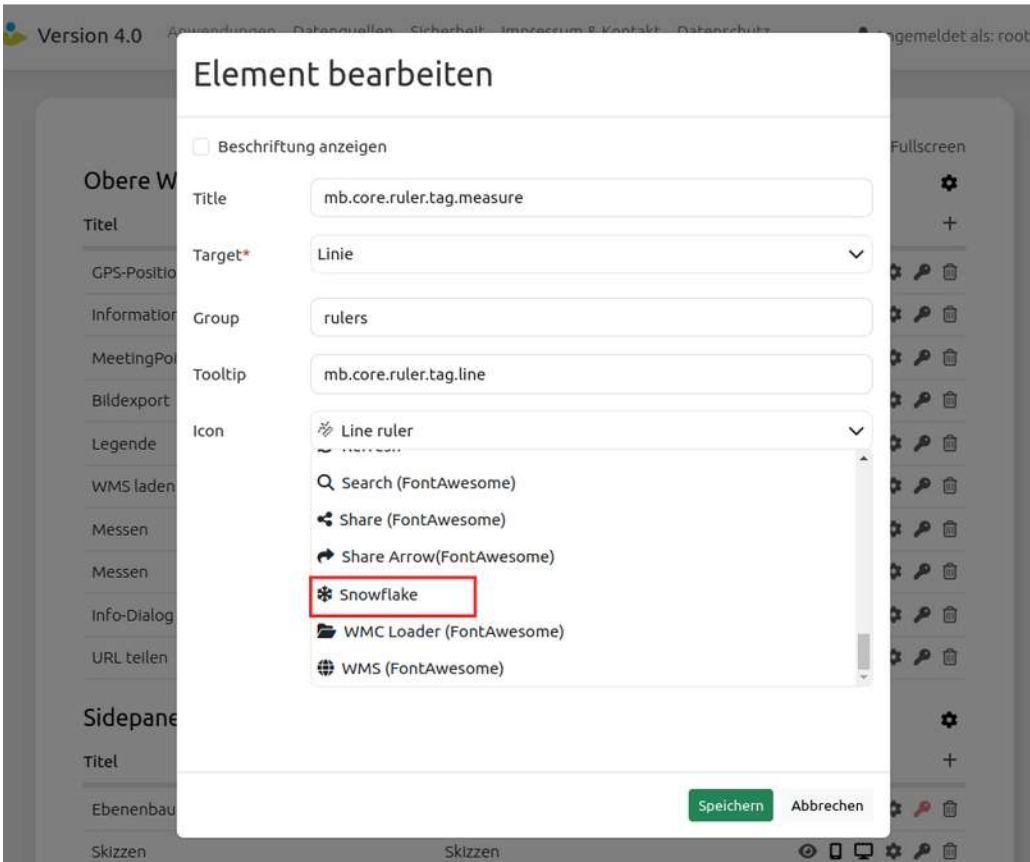
Modified Symbols

New Symbols from the new Font Awesome Version

We use the free symbols

We integrated more symbols





Define Symbole

Define your own Symbols

In parameters.yaml

```
mapbender.icons.custom:  
- name: iconSnowflake  
  title: Snowflake  
  class: fa-solid fa-snowflake
```

Deactivate the Standard Symbols

In parameters.yaml

```
mapbender.icons.disable_default: false  
mapbender.icons.disable_default_fa: false
```


Translations



Version 4.0 mb.terms.application.plural mb.terms.source.plural mb.terms.security Impressum & Kontakt Datenschutz fom.core.manager.logged_as: root

Demo

mb.manager.admin.application.edit.base_data mb.manager.admin.application.layouts

mb.manager.admin.application.layersets mb.manager.admin.application.custom_css

mb.manager.admin.application.security.title

mb.manager.admin.application.view

mb.manager.admin.application.title*

Demo

mb.manager.admin.application.url.title*

mapbender_user_db

mb.manager.admin.application.screenshot

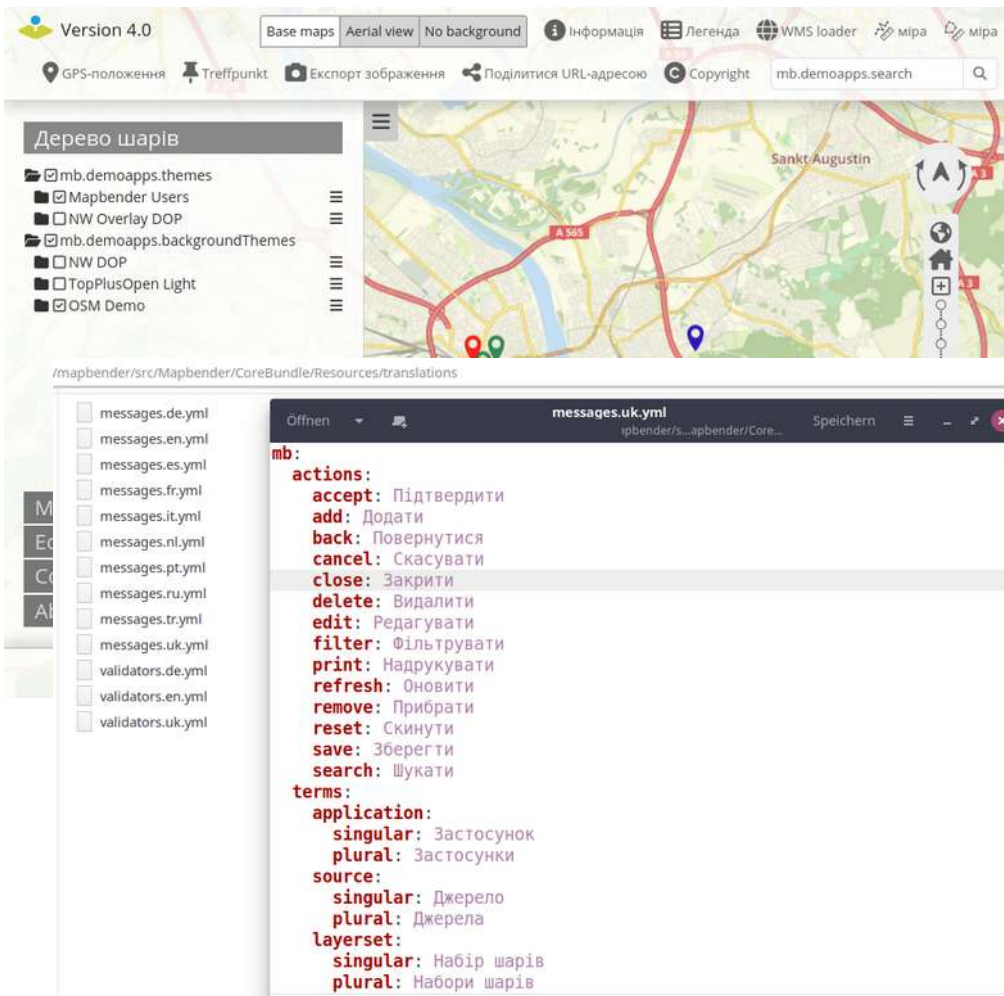
Datei auswählen Keine ausgewählt

mb.manager.admin.application.description

Full desktop application showing most of the standard Mapbender elements

☐ mb.manager.application.persistentView

☒ mb.manager.application.splashscreen



Translations

Mapbender takes the language of the Browser

Or you define the Language to use

In parameters.yml

```
mapbender.automatic_locale: false
fallback_locale: en
locale: uk
```

Overwrite Code



Version 4.0 Anwendungen Datenquellen Sicherheit Impressum & Kontakt Datenschutz Angemeldet als: root

Geoportal Mapbender Develop 4.0

Demo

Anzeigen


Basisdaten Layouts Layerset CSS Sicherheit

Titel*

URL Titel*

Vorschaubild

Datei auswählen Keine ausgewählt

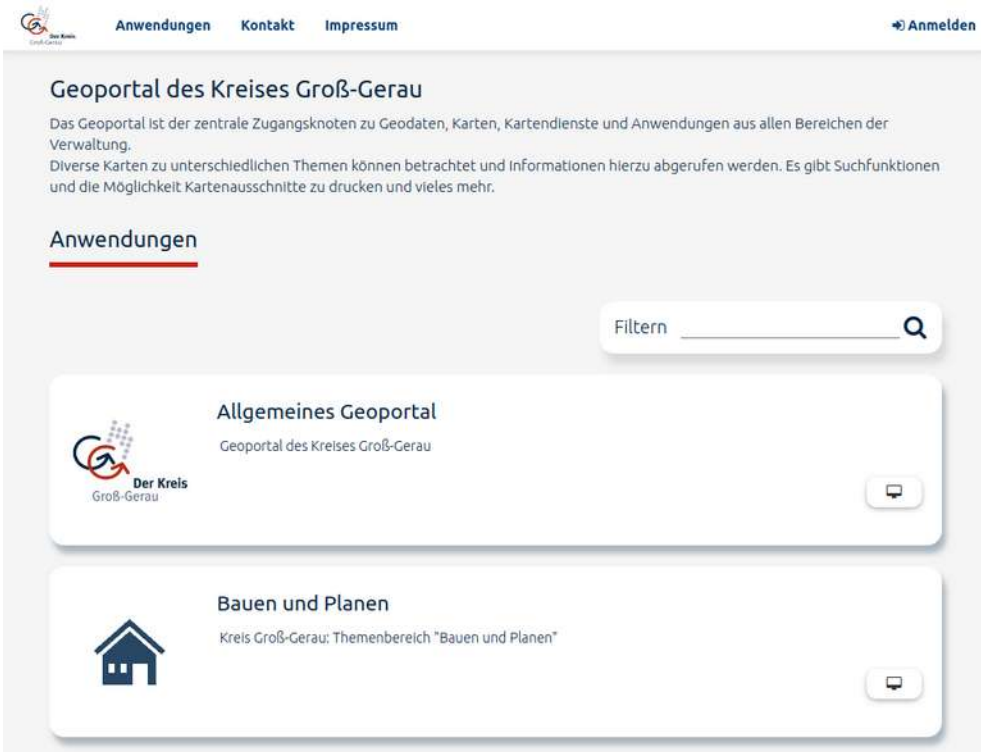


Beschreibung

Full desktop application showing most of the standard Mapbender elements

☐ Kartenzustand merken

☒ Ladescreen anzeigen



Overwrite Code

twig-Templates

Overwrite via `templates/bundles/<bundlename>`

<https://doc.mapbender.org/en/faq.html#overwriting-twig-templates>

JavaScript & CSS/Sass

Make use of the `ApplicationAssetService` class

Overwrite the configuration in `parameters.yaml`

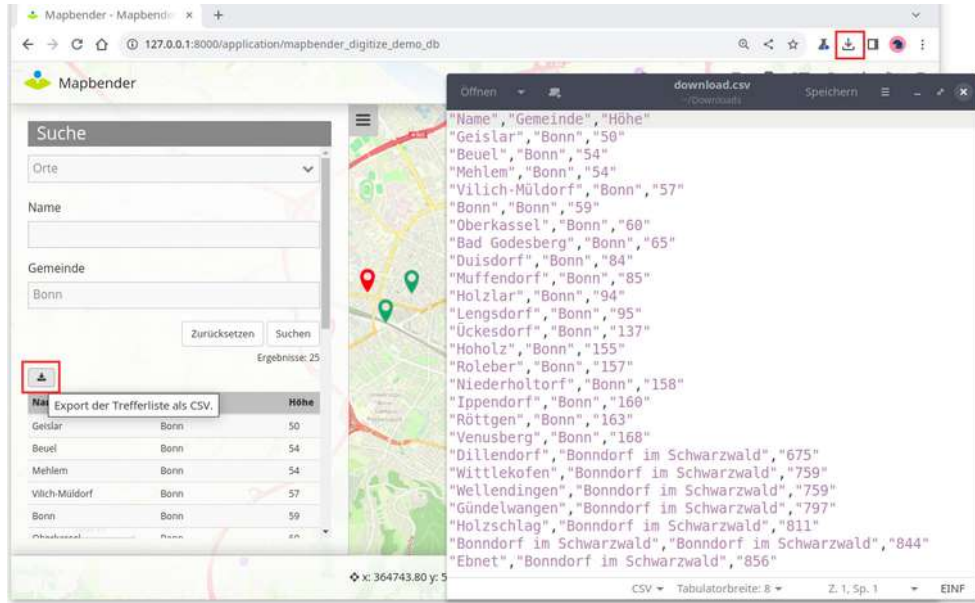
<https://doc.mapbender.org/en/customization/yaml.html#overriding-javascript-and-css-sass-resources>

Export Search Results as CSV



The screenshot shows the Mapbender web application interface. On the left, the search panel is active with 'Bonn' entered in the 'Gemeinde' field. The search results show 25 entries. A red box highlights the 'Export' icon (a download arrow) in the bottom left of the search results panel. A red box also highlights the 'Download' icon in the browser's address bar. A CSV export dialog is open, displaying the following data:

Name	Gemeinde	Höhe
Geislar	Bonn	50
Beuel	Bonn	54
Mehlem	Bonn	54
Vilich-Müldorf	Bonn	57
Bonn	Bonn	59
Oberkassel	Bonn	60
Bad Godesberg	Bonn	65
Duisdorf	Bonn	84
Muffendorf	Bonn	85
Holzlar	Bonn	94
Lengsdorf	Bonn	95
Ückesdorf	Bonn	137
Hoholz	Bonn	155
Roleber	Bonn	157
Niederholtorf	Bonn	158
Ippendorf	Bonn	160
Röttgen	Bonn	163
Venusberg	Bonn	168
Dillendorf	Bonndorf im Schwarzwald	675
Wittlekofen	Bonndorf im Schwarzwald	759
Wellendingen	Bonndorf im Schwarzwald	759
Gündelwangen	Bonndorf im Schwarzwald	797
Holzschlag	Bonndorf im Schwarzwald	811
Bonndorf im Schwarzwald	Bonndorf im Schwarzwald	844
Ebnet	Bonndorf im Schwarzwald	856



The screenshot shows the Mapbender web application interface. On the left, there is a search bar with 'Orte' selected. Below it, a table displays search results for 'Bonn'. A red box highlights the 'Export' icon (a download arrow) in the top left corner of the results table. On the right, a map shows the location of Bonn. A CSV export dialog is open, displaying a list of search results with columns for 'Name', 'Gemeinde', and 'Höhe'.

Name	Gemeinde	Höhe
"Name", "Gemeinde", "Höhe"		
"Geislar", "Bonn", "50"	Bonn	50
"Beuel", "Bonn", "54"	Bonn	54
"Mehlem", "Bonn", "54"	Bonn	54
"Vilich-Müldorf", "Bonn", "57"	Bonn	57
"Bonn", "Bonn", "59"	Bonn	59
"Oberkassel", "Bonn", "60"	Bonn	60
"Bad Godesberg", "Bonn", "65"	Bonn	65
"Duisdorf", "Bonn", "84"	Bonn	84
"Muffendorf", "Bonn", "85"	Bonn	85
"Holzlar", "Bonn", "94"	Bonn	94
"Lengsdorf", "Bonn", "95"	Bonn	95
"Ückesdorf", "Bonn", "137"	Bonn	137
"Hoholz", "Bonn", "155"	Bonn	155
"Roleber", "Bonn", "157"	Bonn	157
"Niederholtorf", "Bonn", "158"	Bonn	158
"Ippendorf", "Bonn", "160"	Bonn	160
"Röttgen", "Bonn", "163"	Bonn	163
"Venusberg", "Bonn", "168"	Bonn	168
"Dillendorf", "Bonndorf im Schwarzwald", "675"	Bonndorf im Schwarzwald	675
"Wittlekofen", "Bonndorf im Schwarzwald", "759"	Bonndorf im Schwarzwald	759
"Wellendingen", "Bonndorf im Schwarzwald", "759"	Bonndorf im Schwarzwald	759
"Gündelwangen", "Bonndorf im Schwarzwald", "797"	Bonndorf im Schwarzwald	797
"Holzschlag", "Bonndorf im Schwarzwald", "811"	Bonndorf im Schwarzwald	811
"Bonndorf im Schwarzwald", "Bonndorf im Schwarzwald", "844"	Bonndorf im Schwarzwald	844
"Ebnet", "Bonndorf im Schwarzwald", "856"	Bonndorf im Schwarzwald	856

Export Search Results

exportcsv

Download csv file with results

Export all columns

No export of the geometry column

New Parameter

results:

view: table

count: true

exportcsv: true

Sortable Search Results



Mapbender

Mapbender Digitize Demo FeatureInfo

Layer tree

Search router

Flurstücke

Gemarkungsname

Poppelsdorf

Gemarkungsnummer

4319

Flur

1

Zähler

Nenner

Reset Search

Results: 379

Flur	Zähler	Nenner	Gemarkung	Gem.-Nr.
1	39	3	Poppelsdorf	4319
1	252	41	Poppelsdorf	4319
1	472	48	Poppelsdorf	4319
1	34	8	Poppelsdorf	4319

Sketches

ETRS89 / UTM zone 32N 746 © OpenStreetMap contributors Mapbender Digitize Demo powered by Mapbender

New Parameter

results:

view: table

count: true

sortBy: gemarkung

sortOrder: Asc

SearchRouter – label Results



Suchen

Polygon

Name

Teich

Type

Zurücksetzen Suchen

Ergebnisse: 4

Name	Type	gid
Teich mit Seerosen	A	9
Teich	A	44
Teich	B	5
Teich	E	43



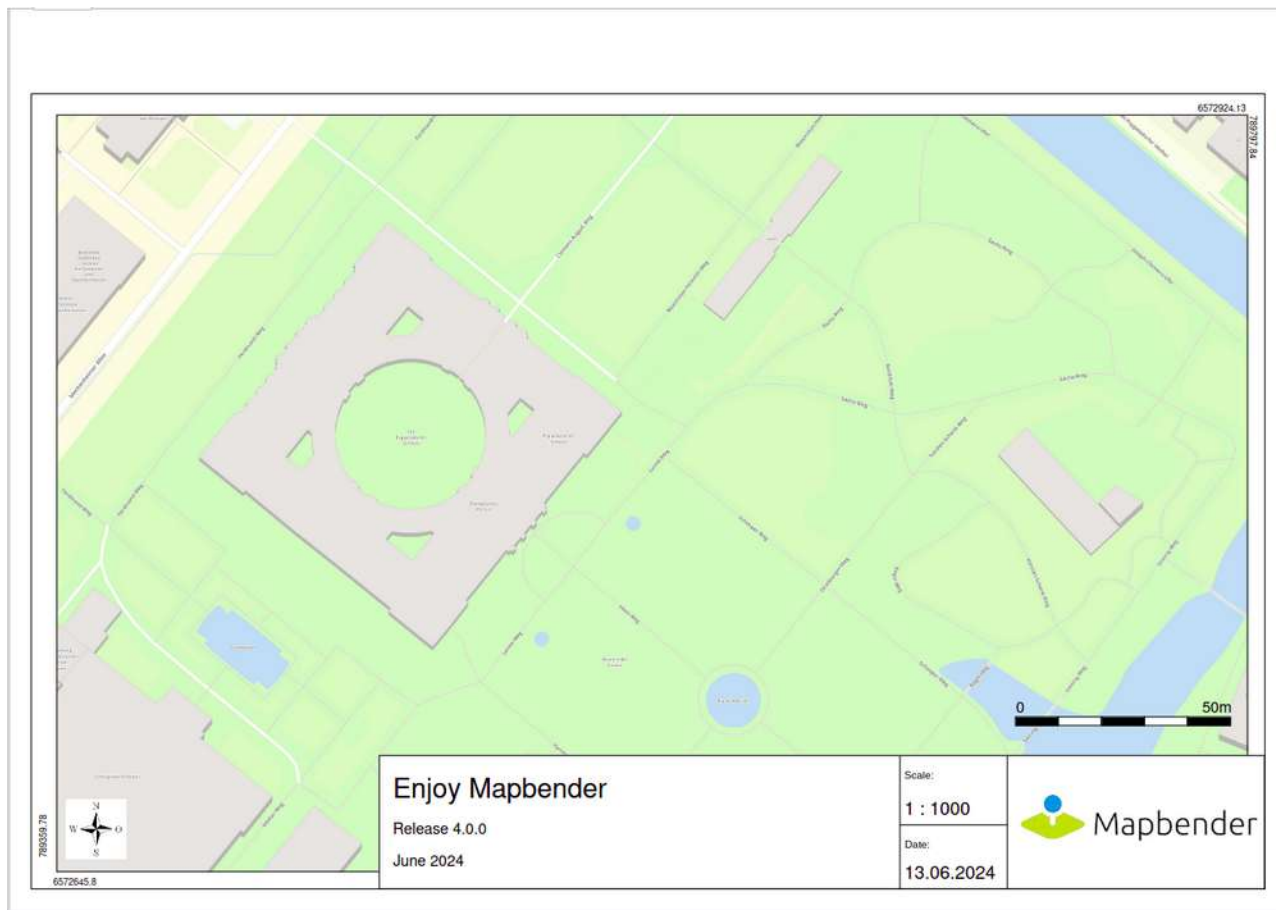
New parameter for labeling

label → refer to 1 -n columns or a fixed text

Multiple styling parameter

```
select:
  strokeColor: '#ff00ff'
  strokeWidth: 2
  strokeOpacity: 1
  fillColor: '#ff00ff'
  fillOpacity: 0
  fillWidth: 12
  label: '${gid} ${name}'
  fontColor: '#000000'
  fontSize: 12px
  fontFamily: 'Arial, Courier New, monospace'
  fontWeight: bold
  labelOutlineColor: '#ffffff'
  labelOutlineWidth: 1
  labelYOffset: 18
  labelXOffset: 18
```

Print legend on the map



Digitizer Improvements



The screenshot displays the Mapbender Digitize Demo interface. On the left, the 'Layer tree' shows the 'Digitizer' layer selected. Below it, a table lists features with their IDs and names:

Nr.	1:	Name	1:
3		Gebäude	
4		Turm	
5		Teich	
6		Beet	
21		Park	
22		Gebäude	
26		neuer Weg	
28		Schaugewächshaus	
33		Baum	
41		neue Turnhalle	
45		Untersuchungsbereich	
54		Laterne 1	
83		Baum	
86		Laterne 2	

The map shows a green area with various features: a pink polygon labeled 'Park - Typ: B', a blue circle labeled 'Teich', a green circle labeled 'Beet', a blue line labeled 'neuer Weg', and several green circles labeled 'Baum'. A 'polygon test suite' dialog box is open, displaying the following information:

polygon test suite

Welcome to the digitize demo. Try the new Mapbender feature!

Name:

Type:

Buttons: Change style, Save, Delete, Cancel

The bottom status bar shows the map is in WGS 84 / Pseudo-Mercator projection, scale 1,085, and is powered by Mapbender.

Digitizer Improvements



The screenshot displays the Mapbender Digitize Demo interface. On the left, the 'Layer tree' shows a 'Digitizer' layer with options: 'combine schemes (in this case poi/line/polygon)', 'point digitizing', 'line digitizing', and 'polygon digitizing'. Below this is a table of features:

Nr.	Id	Name	Is
3		Gebäude	
4		Turm	
5		Teich	
6		Beet	
21		Park	
22		Gebäude	
26		neuer Weg	
28		Schaugewächshaus	
33		Baum	
41		neue Turnhalle	
45		Untersuchungsbereich	
54		Laterne 1	
83		Baum	
86		Laterne 2	

Below the table are sections for 'Sketches' and 'Search router'. The main map area shows a street map with various features labeled: 'Park - Typ: B', 'neuer Weg', 'Teich', 'Laternen 1', 'Laternen 2', 'Turm', 'Baum', 'Beet', 'Baustelle', 'Botanischer Garten', 'Lanthe-Weg', 'Nees-Weg', 'Hahnstein-Weg', 'Stralburger Weg', 'Vogel-Weg', 'Karlstein-Schule', 'Sinning-Weg', 'Beissner-Ring', and 'Venusberg'. A 'Style manager' dialog is open, showing settings for 'Fill color' (#ea9ce3), 'Line color' (#cc3659), 'Line caps' (round), 'Pattern' (solid), 'Label' (\$(name) - Typ: \$(type)), 'Font' (Comic Sans), 'Font size' (18), 'Font weight' (bold), 'Text color' (#0000ff), and 'Opacity' (1.00). The dialog has 'Save' and 'Cancel' buttons. The bottom status bar shows 'WGS 84 / Pseudo-Mercator', '1,085', 'Mapbender Digitize Demo', and '© OpenStreetMap contributors powered by Mapbender'.



New Data upload Element

The screenshot displays the Mapbender web application interface. The top navigation bar includes links for Base maps, No background, Featureinfo, Legend, WMS loader, POI, Print, Image export, Share URL, and a search location field. The left sidebar contains a 'Layer tree' and a 'Data Upload' section. The 'Data Upload' section includes a dashed box for dropping files, a link to 'choose your file/s', a dropdown for 'Determine projection automatically', and a list of uploaded files: 'bonn-altstadtrunde_4326.gpx' and 'beethovenwanderweg.gpx'. The main map area shows a topographic map of Bonn, Germany, with a blue line representing a route. A scale bar indicates 500m. The bottom status bar shows the current coordinates (28,446), projection (WGS 84 / Pseudo-Mercator), and the application name (Mapbender Demo_imp3 Astrid).

Mapbender

Base maps No background Featureinfo Legend WMS loader POI Print Image export Share URL Search location

Layer tree

Line/Area Ruler

Sketches

Coordinates utility

Data Upload

You can upload files in GeoJSON, KML, GML and GPX format.

Drop file
or [choose your file/s](#)

Determine projection automatically

Name

bonn-altstadtrunde_4326.gpx

beethovenwanderweg.gpx

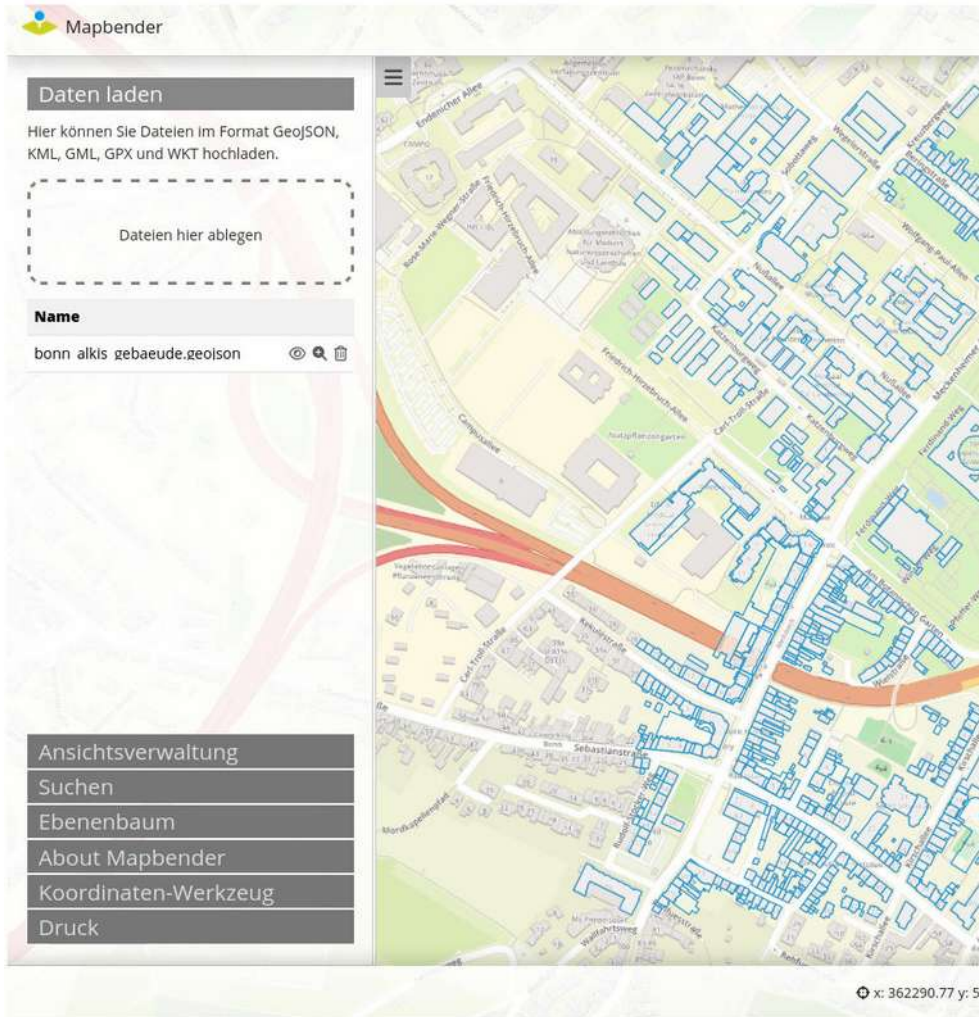
View manager

About Mapbender

Scale 1: 28K

500m

28,446 WGS 84 / Pseudo-Mercator Mapbender Demo_imp3 Astrid © OpenStreetMap contributors powered by Mapbender



Data upload

Data upload in the Client

Temporary load data to the client

Supported formats: GML, GeoJSON, KML, GPX

Feature

Drag & Drop

Projection is detected or you can define it

Future

Labeling

Show attributes

Styling

Load vector data from the backend

Save data of the user

New Permissionhandling

ACL-Bundle was deprecated

Need for a new solution

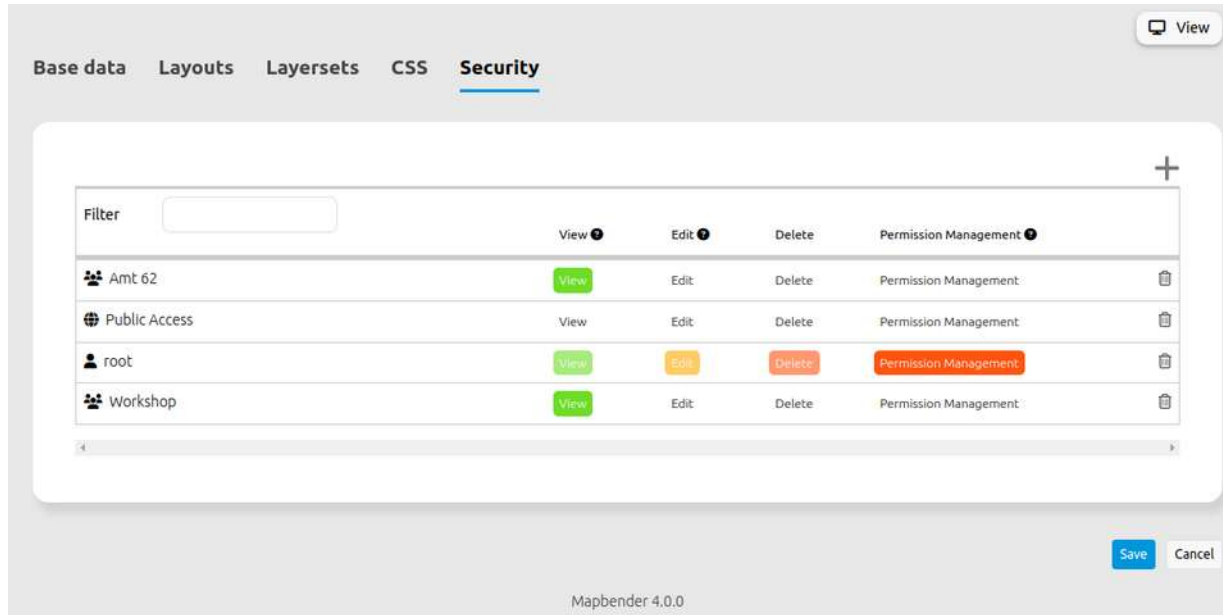
Direct integration in Mapbender

Simplified similar concept

Only one table that administrates the permissions

Easy update from an old versions

bin/console command to update permissions



Base data Layouts Layersets CSS Security View

Filter

	View	Edit	Delete	Permission Management
Amt 62	View	Edit	Delete	Permission Management
Public Access	View	Edit	Delete	Permission Management
root	View	Edit	Delete	Permission Management
Workshop	View	Edit	Delete	Permission Management

Save Cancel

Mapbender 4.0.0



worldmap_02 — QGIS

Projekt Bearbeiten Ansicht Layer Einstellungen Erweiterungen Vektor Raster Datenbank Web Netz Verarbeitung Hilfe

Layer

- ne 10m lakes
- ne 10m_admin_0_countrie
- ne 10m_ocean

Mapbender QGIS-Plugin

Publish / Update QGIS-Project in Mapbender Server configuration management

Server: 02_demoserver




☒ Publish in Mapbender app ☐ Update Mapbender source

Mapbender parameters:

☒ Clone template ☐ Add to existing application

URL title*: jtl

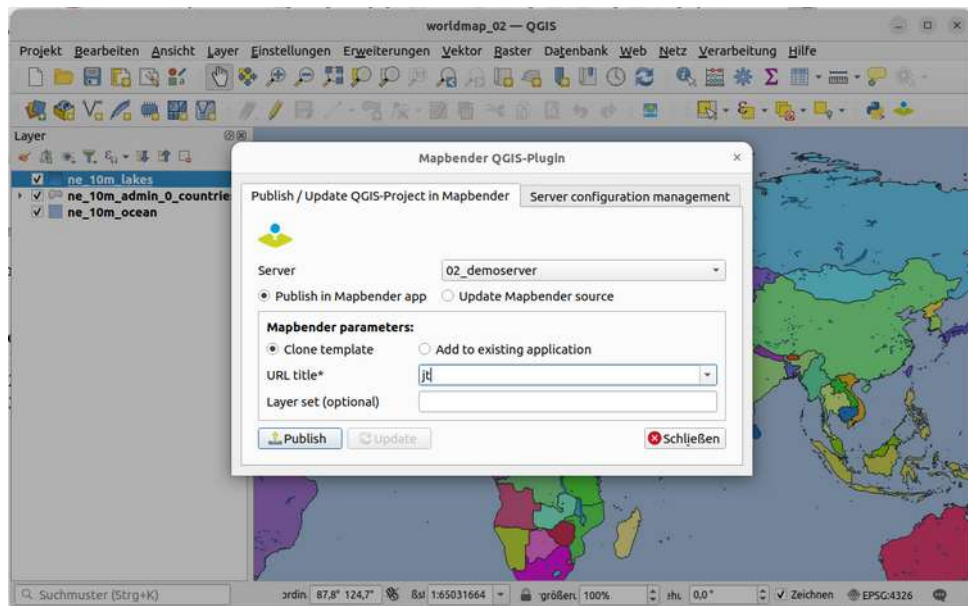
Layer set (optional)

 Publish  Update  Schließen

Suchmuster (Strg+K)

ordin. 87,8° 124,7° Bsl 1:65031664 größen 100% zhu 0,0° Zeichnen EPSG:4326

Mapbender QGIS Plugin



Easy publishing

QGIS Server WMS

QGIS Server project is transferred to the server

WMS Is published in Mapbender

First prototype of the plugin

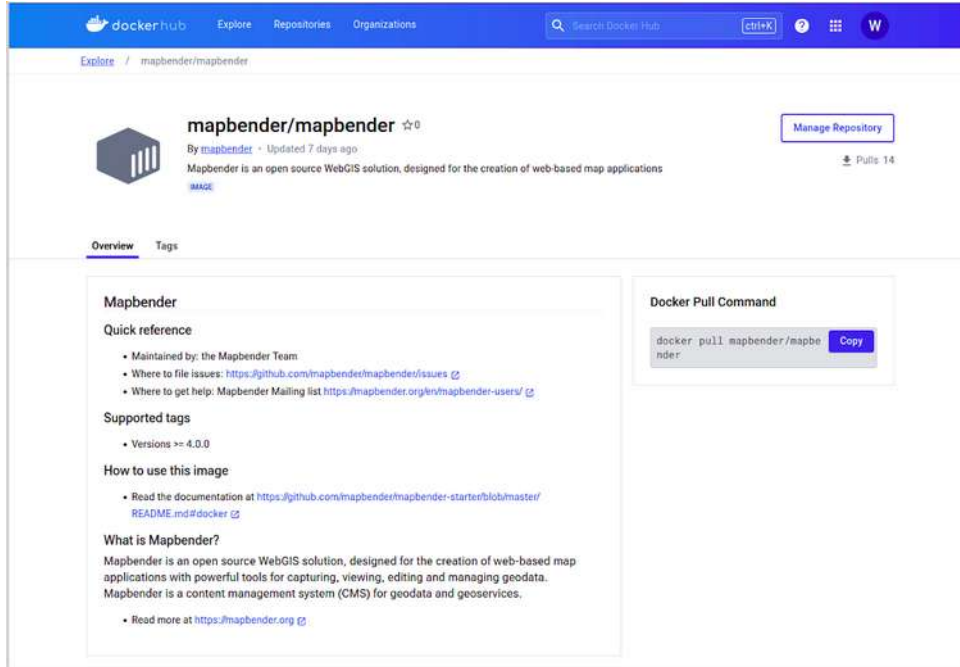
Minimum version Mapbender 4.0.0

New & enhanced console commands

bin/console mapbender:wms:assign <application> <source> [<layerset>]

<https://wherogroup.com/blog/details/mapbender-anwendungen-einfach-direkt-aus-qgis-heraus-erstellen/>

Docker integration



Every Release triggers action
Image is builds automatically
Release of a tag on Docker Hub

Adoptable to your project
Use the configuration for your own
project



What is next?

Discussion about the Roadmap is going on

Update missing Repositories

QueryBuilder
Customer Modules

Support for more Formats

OGC API Features

Routing

Planned vor 2024



Find information in the Visual Changelog



 <https://mapbender.org/aktuelles/details/mapbender-version-400-released/>

26. Juni 2024

Mapbender-Version 4.0.0 released.

All details about the new major release - Visual Changelog

Click here for the German version: [Switch to German](#)

On the 26th of June 2024, the Mapbender team released the new Mapbender version 4.0.0. Many thanks to all involved.

The new version is a major release with numerous new features, a redesign and bug fixes. Existing Mapbender installations can be updated to version 4.0.0 without any problems. Please follow the instructions for updating in the document. [Update instructions](#).

Due to the large number of updates, only the most important new features are highlighted in this article. The complete list with all new features can be found at [GitHub](#).

Breaking Changes

PHP versions 8.2 and 8.3 are fully supported. PHP 8.1 is now the minimum supported PHP version.

Support for OpenLayers 2 has been removed. All applications automatically use the current OpenLayers version 9 ([PR#1483](#)).

The directory structure has changed. The changes are explained in the [document](#).

Numerous software components have been updated. This affects Symfony and other libraries such as Bootstrap, Twig and FontAwesome. Read more about this in the [Mapbender Core Changelog](#).

Docker integration and official Mapbender Docker image

Thanks for your attention



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<https://mapbender.org>



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