

# OpenStreetMap

## Wat is dat?

Hauke Stieler  
4stieler@informatik.uni-hamburg.de

07. Oktober 2021

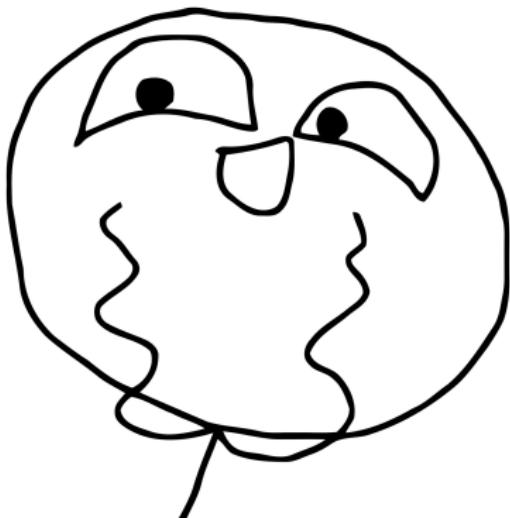


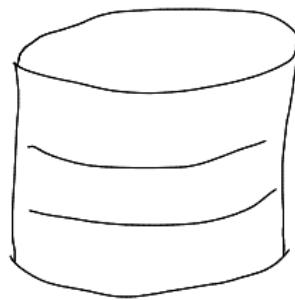
- So ähnlich wie Google Maps

- So ähnlich wie Google Maps
- Aaaaaber: Detailierter, Frei und hat ne Community

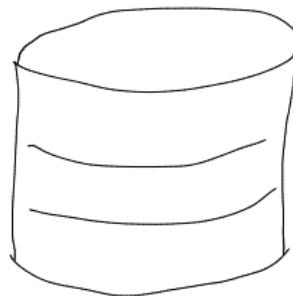
- So ähnlich wie Google Maps
- Aaaaaber: Detailierter, Frei und hat ne Community
- Wie Wikipedia nur für Karten

- So ähnlich wie Google Maps
- Aaaaaber: Detailierter, Frei und hat ne Community
- Wie Wikipedia nur für Karten
- Tausende tolle Apps

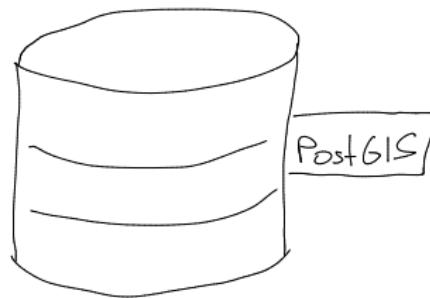




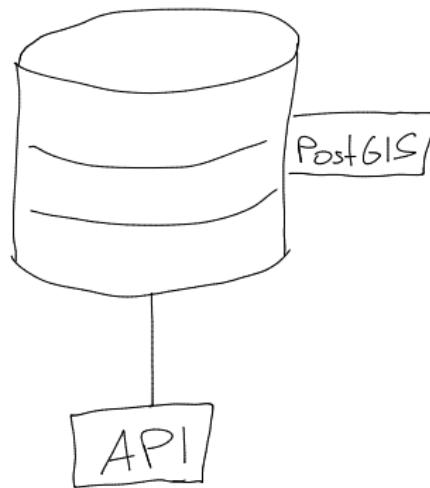
PostgreSQL



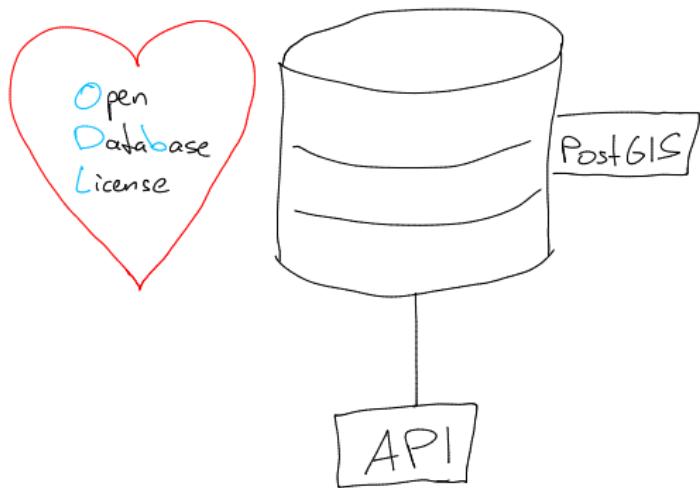
PostgreSQL



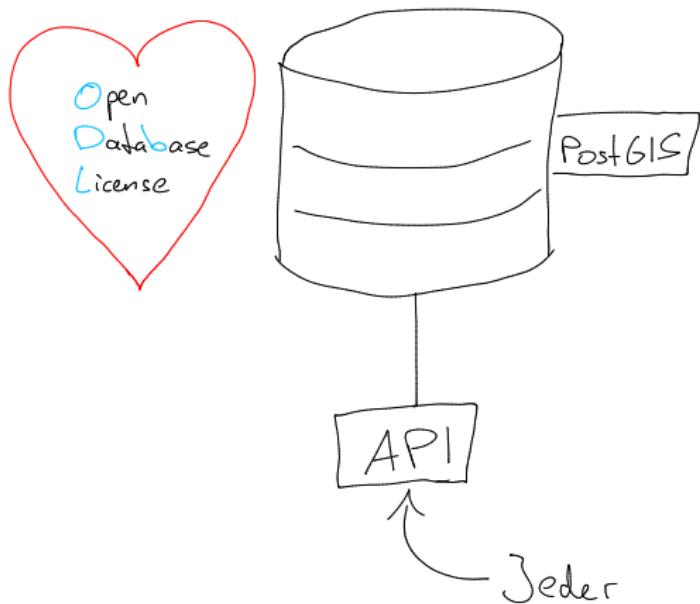
PostgreSQL



# PostgreSQL



# PostgreSQL



o

amenity = telephone



highway = footway  
surface = asphalt



amenity = university  
name = Informatikum

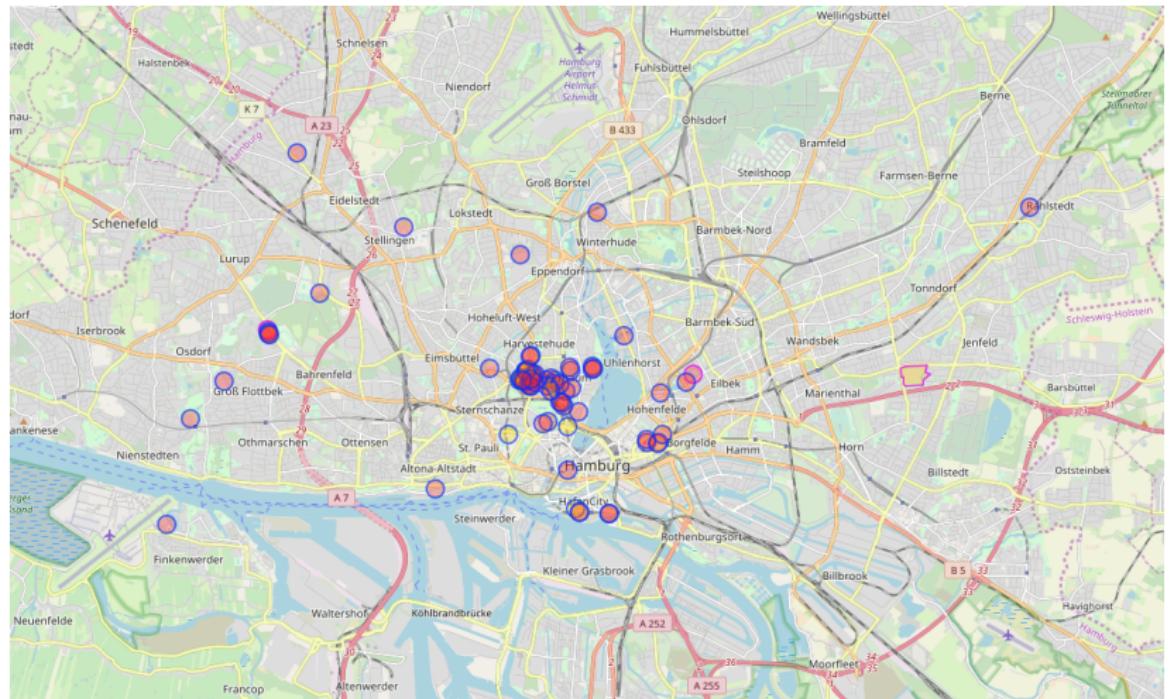


#### Attribute

amenity	university
barrier	fence
fence_type	chain_link
name	Informatikum
operator	Universität Hamburg
phone	+49 40 42883-2401
website	<a href="https://www.inf.uni-hamburg.de/">https://www.inf.uni-hamburg.de/</a>
wheelchair	limited



© OpenStreetMap Mitwirkende



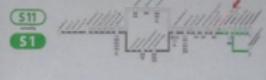
# Information

Stadtteilplan



**HVV**

Fahrplan

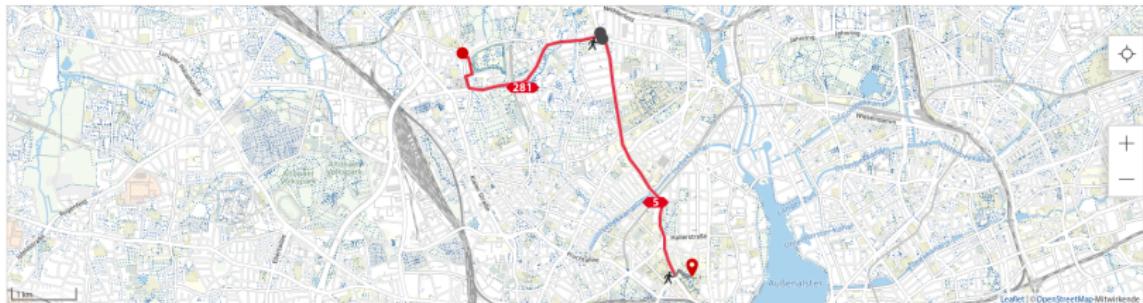


Montag - Freitag		Samstag		Sonntag	
0	00:00-01:00	0	00:00-01:00	0	00:00-01:00
1	01:00-02:00	1	01:00-02:00	1	01:00-02:00
2	02:00-03:00	2	02:00-03:00	2	02:00-03:00
3	03:00-04:00	3	03:00-04:00	3	03:00-04:00
4	04:00-05:00	4	04:00-05:00	4	04:00-05:00
5	05:00-06:00	5	05:00-06:00	5	05:00-06:00
6	06:00-07:00	6	06:00-07:00	6	06:00-07:00
7	07:00-08:00	7	07:00-08:00	7	07:00-08:00
8	08:00-09:00	8	08:00-09:00	8	08:00-09:00
9	09:00-10:00	9	09:00-10:00	9	09:00-10:00
10	10:00-11:00	10	10:00-11:00	10	10:00-11:00
11	11:00-12:00	11	11:00-12:00	11	11:00-12:00
12	12:00-13:00	12	12:00-13:00	12	12:00-13:00
13	13:00-14:00	13	13:00-14:00	13	13:00-14:00
14	14:00-15:00	14	14:00-15:00	14	14:00-15:00
15	15:00-16:00	15	15:00-16:00	15	15:00-16:00
16	16:00-17:00	16	16:00-17:00	16	16:00-17:00
17	17:00-18:00	17	17:00-18:00	17	17:00-18:00
18	18:00-19:00	18	18:00-19:00	18	18:00-19:00
19	19:00-20:00	19	19:00-20:00	19	19:00-20:00
20	20:00-21:00	20	20:00-21:00	20	20:00-21:00
21	21:00-22:00	21	21:00-22:00	21	21:00-22:00
22	22:00-23:00	22	22:00-23:00	22	22:00-23:00
23	23:00-00:00	23	23:00-00:00	23	23:00-00:00
24	00:00-01:00	24	00:00-01:00	24	00:00-01:00

Schnellbahn-/Regionalverkehr



## Verbindungen



### Ihre Verbindung für Hamburg und Umgebung

Ihr Start \*  
Informatikum

Ihr Ziel \*  
Von-Melle-Park 8, Hamburg

Mi, 09.10.2019



Suchoptionen

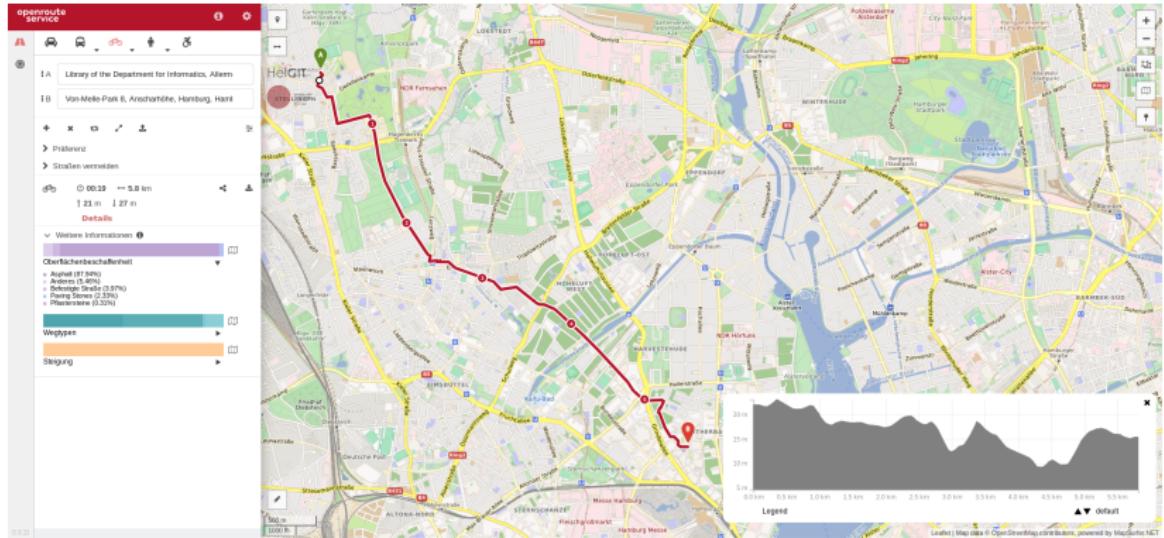
Favoriten



Strecke per Rad

Strecke zu Fuß







OsmAnd – Offline-Karten, Reisen und Navigation

**OsmAnd** Reisen & Lokales

★ ★ ★ ★ 90.868

USK ab 0 Jahren

Bietet In-App-Käufe an

Diese App ist mit deinem Gerät kompatibel.

Installiert



Organic Maps Offline Hike Bike Trails & Navigation

**Organic Maps OÜ** Reisen & Lokales

★ ★ ★ ★ 1.384

USK ab 0 Jahren

Zur Wunschliste hinzufügen

Installieren



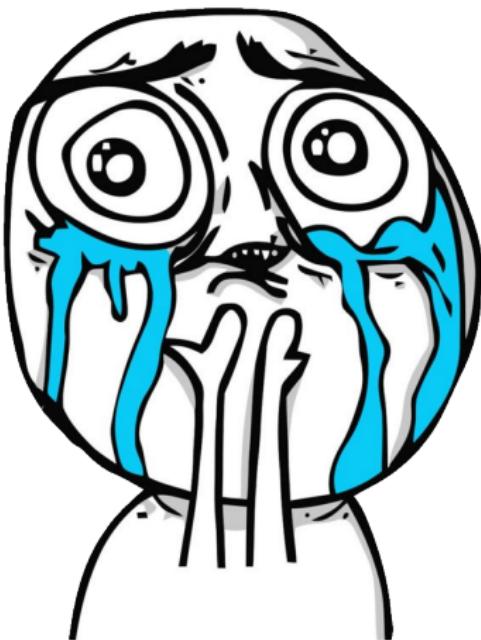
StreetComplete

**westnordost** Reisen & Lokales

★ ★ ★ ★ 935

USK ab 0 Jahren







## Usage [\[ edit \]](#) [\[ edit source \]](#)

Main article: [Highways](#)

The key **highway**\* is the main key used for identifying any kind of road, street or path. The value of the key helps indicate the importance of the highway within the road network as a whole. See the table below for an ordered list from most important ([motorway](#)) to least important ([service](#)).

See [Highway:International equivalence](#) for how different countries apply these tags to their own road networks.

It is also used for features like bus stops, service areas, pedestrian crossings and other highway related things (see below).

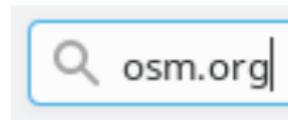
## Examples [\[ edit \]](#) [\[ edit source \]](#)

We have about a dozen-and-a-half examples each of [urban](#) and [exurban](#) tagging, with photos.

## Values [\[ edit \]](#) [\[ edit source \]](#)

See below for details of commonly used values:

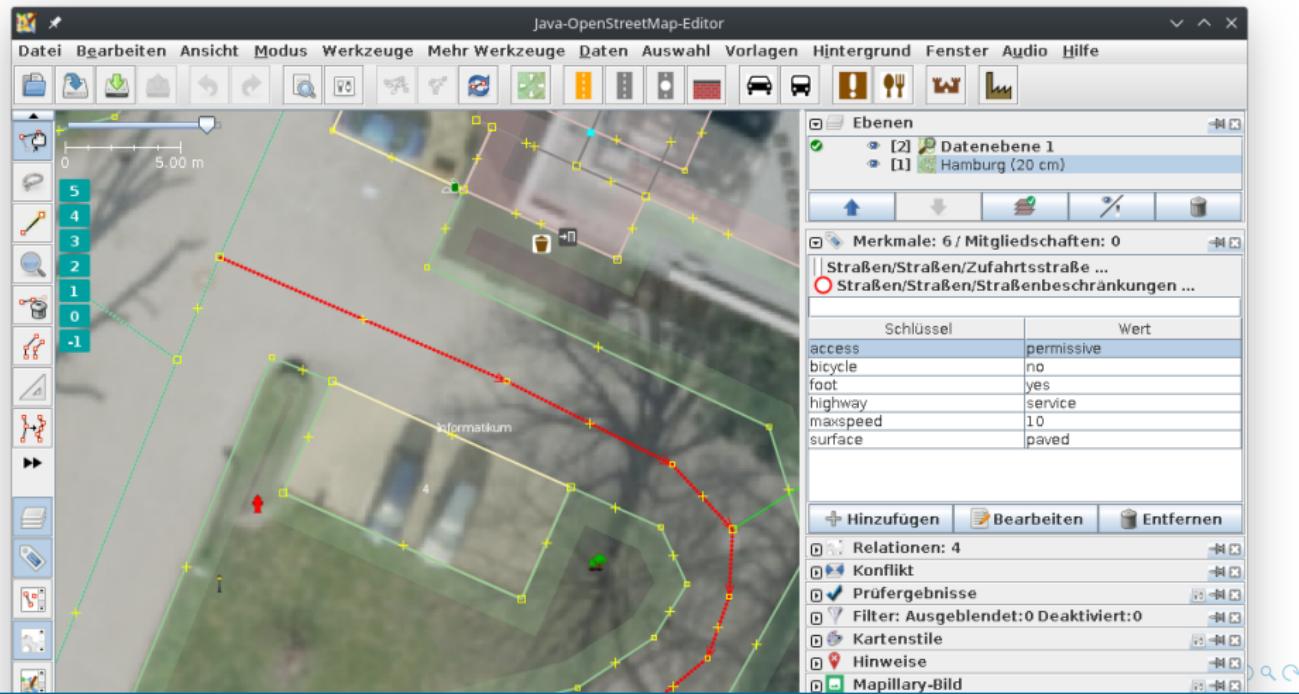
Key	Value	Element	Comment	Rendering <a href="#">carto</a>	Photo
<b>Roads <a href="#">[ edit source ]</a></b>					
These are the principal tags for the road network. They range from the most to least important.					
highway	motorway		A restricted access major divided highway, normally with 2 or more running lanes plus emergency hard shoulder. Equivalent to the Freeway, Autobahn, etc..		







## JOSM - Java OpenStreetMap Editor



- Mailingliste  
(wiki → „Hamburg“ suchen)
- t.me/osm\_de\_hh



Danke :)

