

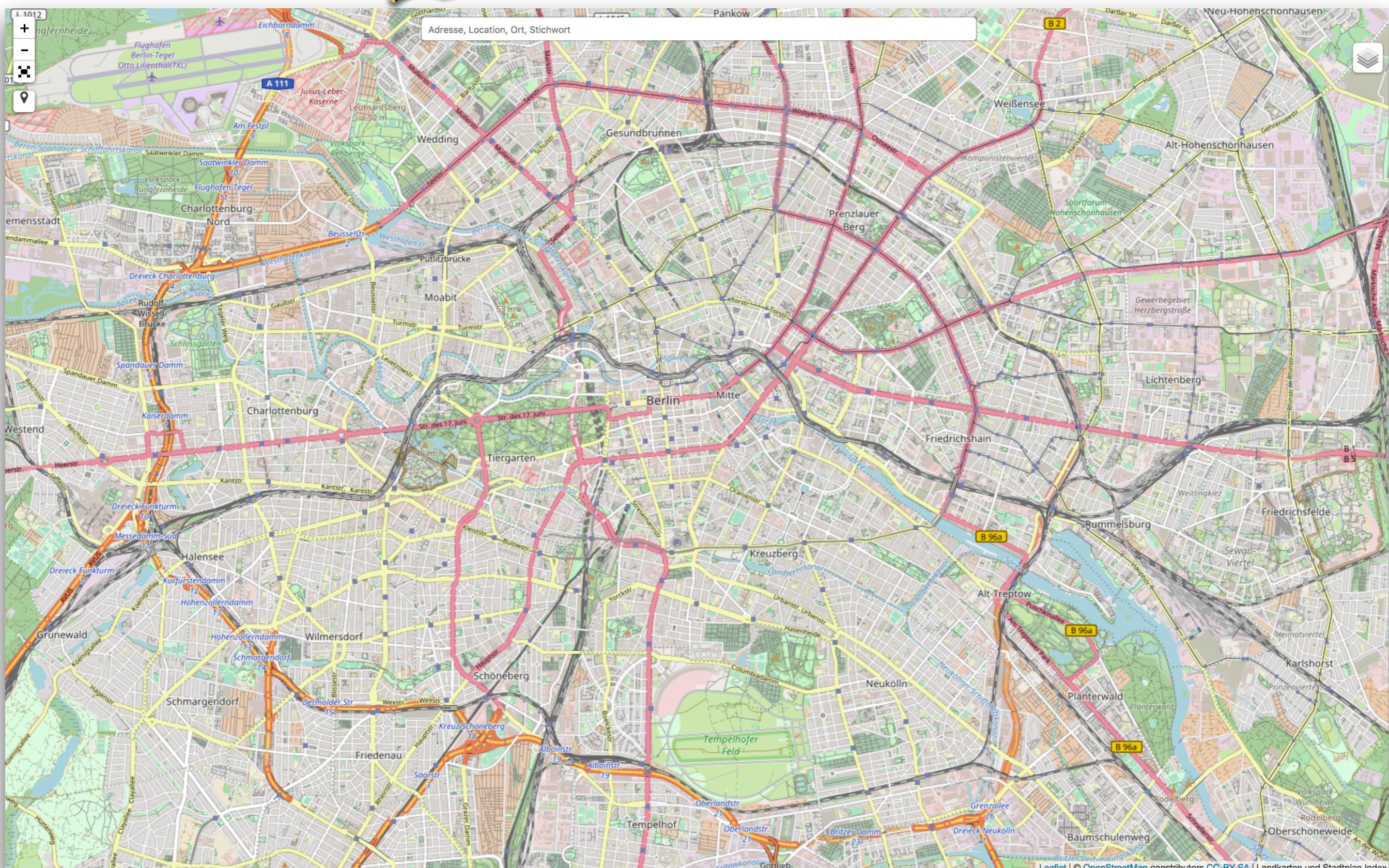


OHDM

Zurück in die Vergangenheit



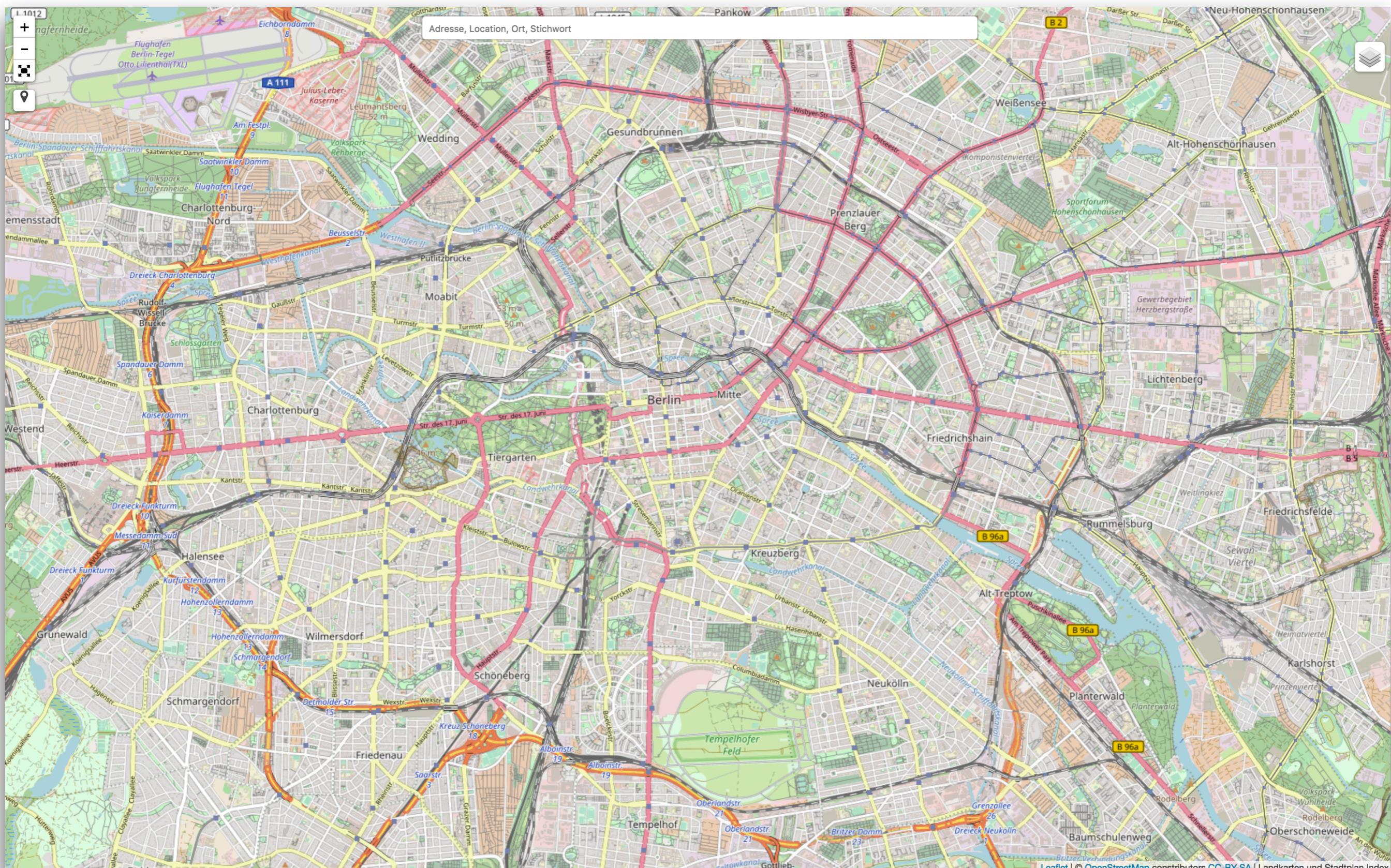
OpenStreetMap



1893



2017



Kartenänderung

Wachstum

- Ruhrgebiet
- Berlin

Krieg

- 1. Weltkrieg
- 2. Weltkrieg
- Korea

**Politik /
Bevölkerung**

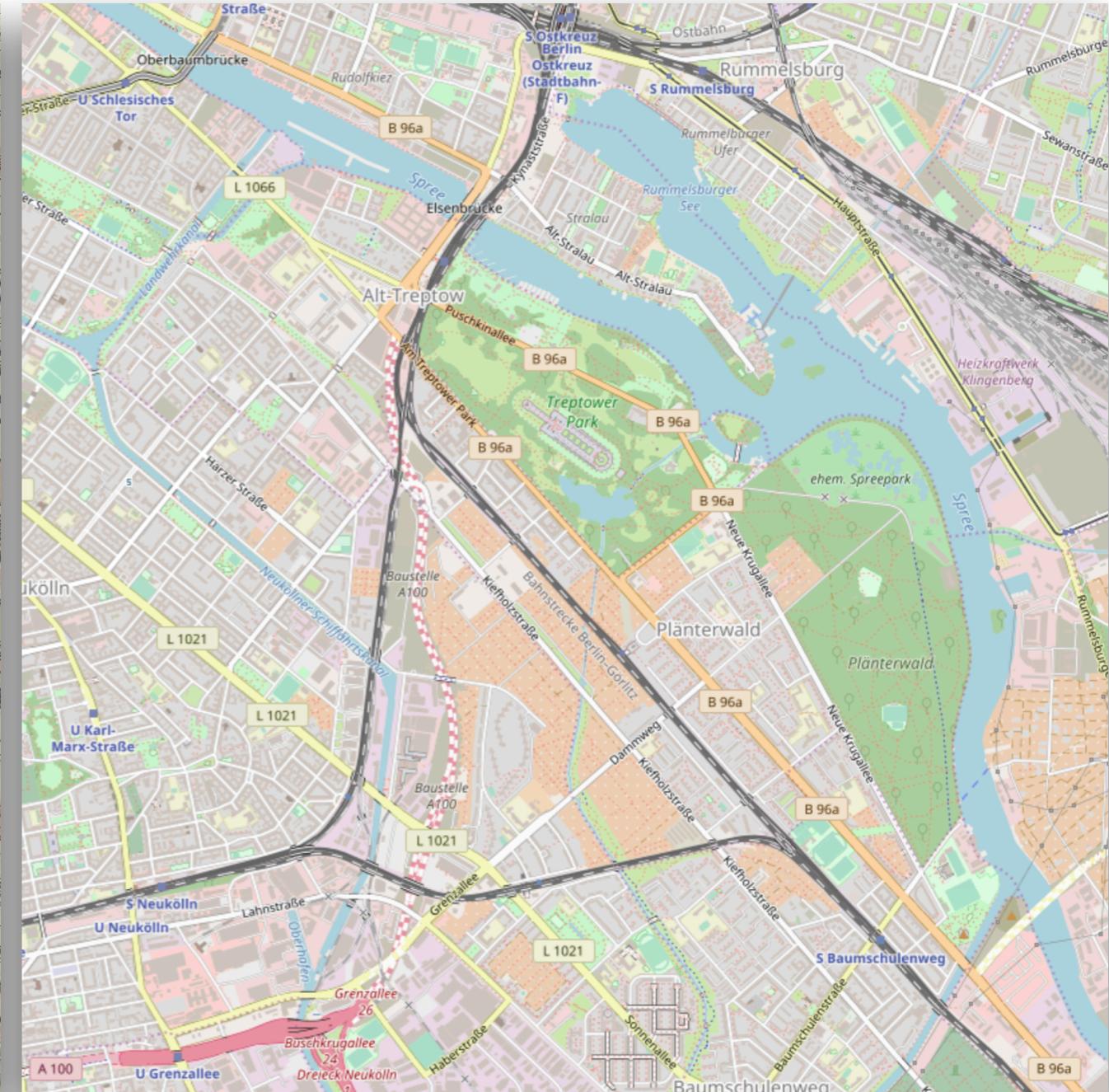
- UdSSR
- Jugoslawien
- Krim

1938

2017



<http://steffen.in-berlin.de/>



www.openstreetmap.org



https://commons.wikimedia.org/wiki/File:Breakup_of_Yugoslavia.gif



Kartenänderung

Wachstum

- Ruhrgebiet
- Berlin
- ...

Krieg

- 1. Weltkrieg
- 2. Weltkrieg
- Korea

**Politik /
Bevölkerung**

- UdSSR
- Jugoslawien
- Krim (Ukraine / Russland)

...

...

Informationen

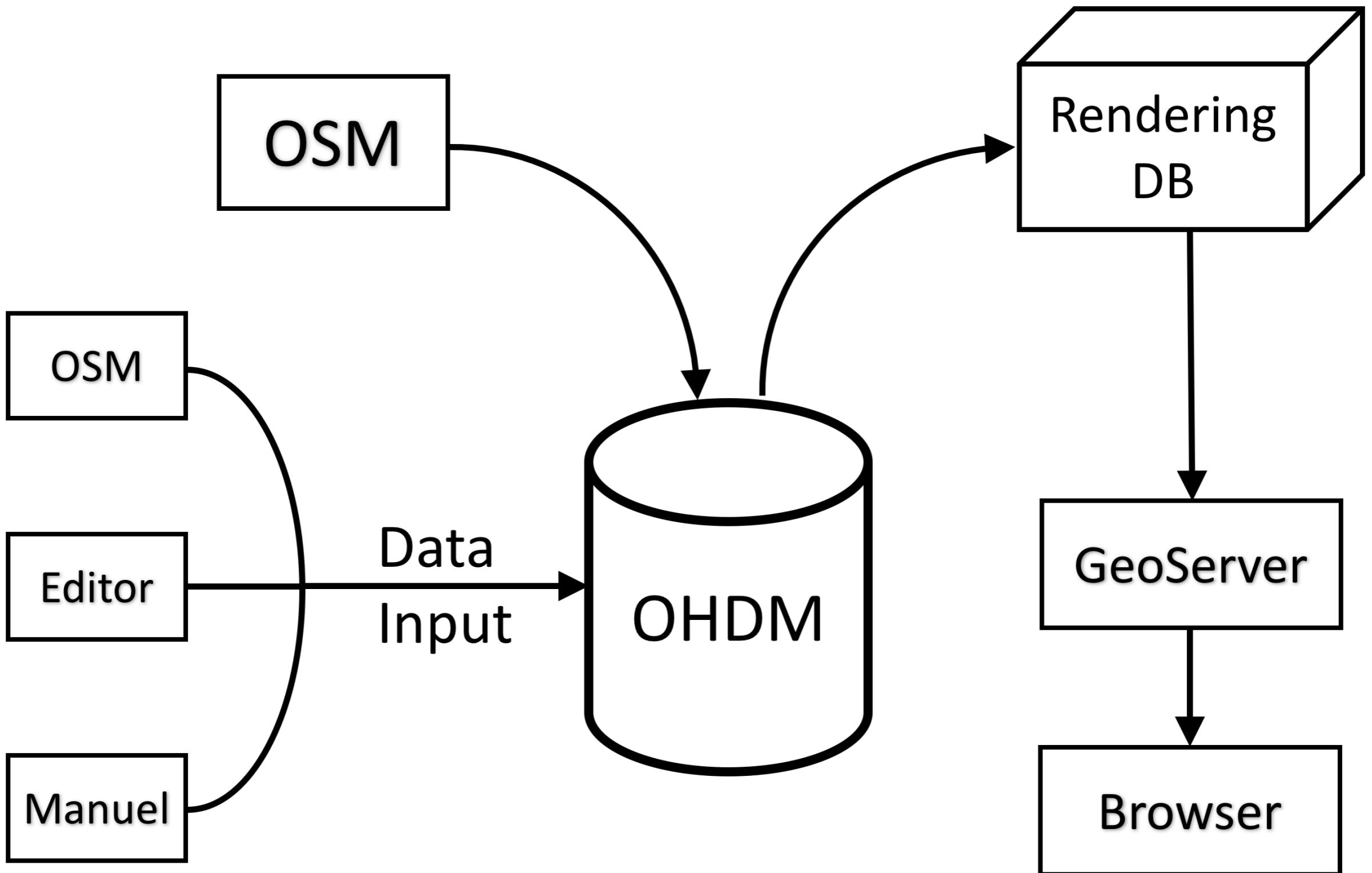
Pro

- Verbrechensbekämpfung
- Terror
- Einbrüche
- Umweltverbesserung
- Medizin
- Wissenschaft
- Verkehr

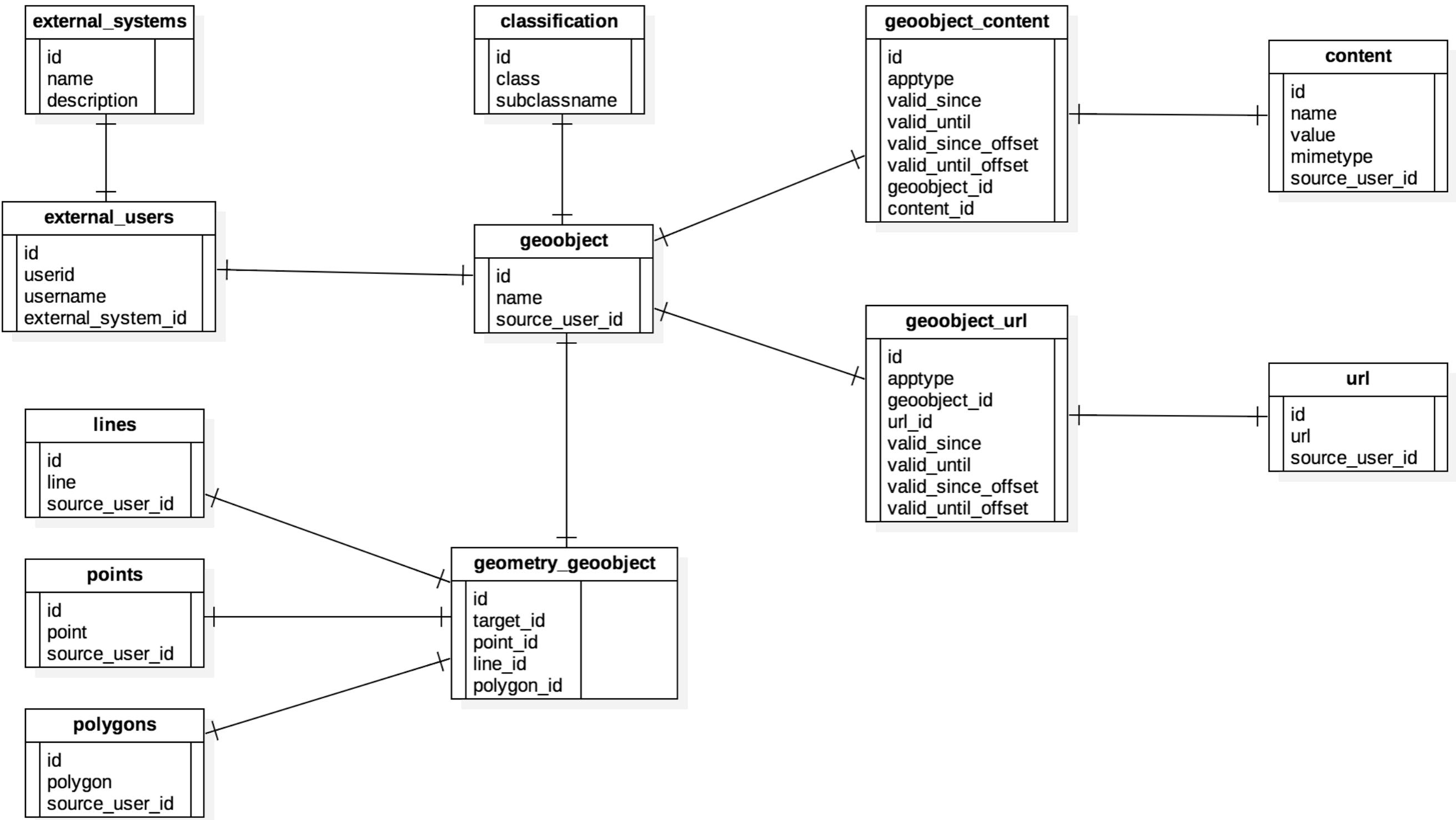
Contra

- Polizei / Geheimdienste
 - Überwachung
 - Krieg
 - Mord
- Wirtschaftsspionage
- Missbrauch
- Diebstahl

Datenmodell

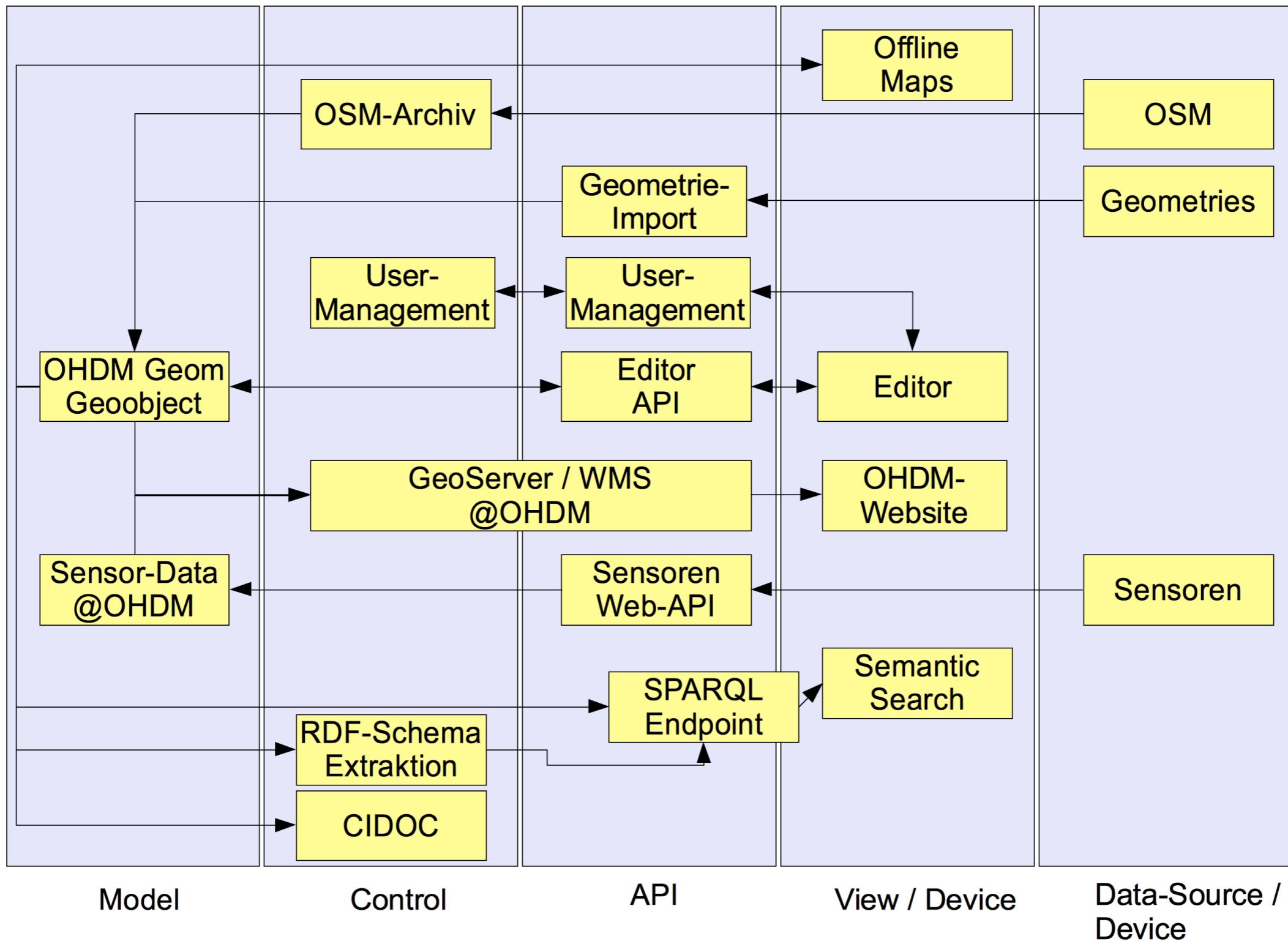


Datenmodell



**Was für Aufgaben warten
auf euch?**

Komponenten





Editor - App

Editor - [C:\Users\Justin\Desktop\Editor] - [app] - ...\\app\\src\\main\\java\\com\\example\\justin\\editor\\maps\\Map.java - Android Studio 3.0.1

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

Editor app src main java com example justin editor maps Map

Android Project Structure Captures Favorites

Gradle Scripts build.gradle (Project: Editor) build.gradle (Module: app) gradle-wrapper.properties (Gradle) proguard-rules.pro (ProGuard Rules) gradle.properties (Project Properties) settings.gradle (Project Settings) local.properties (SDK Location)

MainActivity.java Map.java Gps.java activity_main.xml activity_map.xml ic_launcher.png Editor.apk

Map LAYERS

```
89     "ohdm_t%3Alanduse_transport_label",
90     "ohdm_t%3Alanduse_water_label",
91   };

92
93   private MapView mMapView;
94   private MapController mMapController;
95   private static final double[] TILE_ORIGIN = {-20037508.34789244, 20037508.34789244};
96   private static final double MAP_SIZE = 20037508.34789244 * 2;

97
98   @Override
99   protected void onCreate(Bundle savedInstanceState) {
100     super.onCreate(savedInstanceState);
101     setContentView(R.layout.activity_map);

102
103
104     mMapView = (MapView) findViewById(R.id.mapview);
105
106     List tilesSources = new ArrayList<TilesOverlay>();
107
108     mMapController = (MapController) mMapView.getController();
109     mMapController.setZoom(13);
110     mMapView.setTileSource(getTilesource(LAYERS[0]));
111
112
113     for(int i = 0;i< LAYERS.length;i++){
114       MapTileProviderBasic tileProvider = new MapTileProviderBasic(getApplicationContext());
115       tileProvider.setTileSource(getTilesource(LAYERS[i]));
116       TilesOverlay tilesOverlay = new TilesOverlay(tileProvider, this.getBaseContext());
117       tilesOverlay.setLoadingBackgroundColor(Color.TRANSPARENT);
118
119       mMapView.getOverlays().add(tilesOverlay);
120     }

121
122
123
124     //mMapView.setTileSource(getTilesource("ohdm_t%3Anatural_polygons"));
125     mMapView.setBuiltInZoomControls(true);
126     GeoPoint gPt = new GeoPoint(altitude: 52.520007, longitude: 13.404953999999975);
127     mMapController.setCenter(gPt);

128 }
```

Android Emulator - Nexus_One_API_22:5554

Editor

START SAVE

Device File Explorer

Run TODO Local Android Profiler Terminal Messages Event Log Gradle Console

Enable smart keyboard internationalization for Studio: We have found out that you are using a non-English keyboard layout. You can enable smart layout support for Deutsch language. You can change this option... (5 minutes ago) 89:13 CRLF: UTF-8: Context: <no context>

Fortschritt / Aufgaben

Erledigt

- Map Darstellung

Noch zu erledigen

- Effizienz
 - lädt sehr lange
- Einzeichnen gelaufener Strecke



OHDM

Ziele

- alle Informationen an einem Ort
- Sensoren aller Art, z.B.:
 - Luftfeuchtigkeit
 - Temperatur
 - Luftverschmutzung
 - etc.
- mehr Menschen begeistern