(Freie) Geodaten

http://events.ccc.de/congress/2007/(Freie)_Geodaten

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Dect: 2206

24C3

Berlin 2007

http://events.ccc.de/congress/2007/(Freie)_Geodaten

Open Street Map

- OpenGeoData Blog
- JOSM
- Informationfreeway
- „OpenStreetMap, the free Wiki world map“ von Frederik Rahm an Tag 3, Saal 3, 21:45

OpenStreetMap

The Free Wiki World Map

OpenStreetMap is a free editable map of the whole world. It is made by people like you.

OpenStreetMap allows you to view, edit and use geographical data in a collaborative way from anywhere on Earth.

OpenStreetMap's hosting is kindly supported by the UCL VR Centre and bytemark.

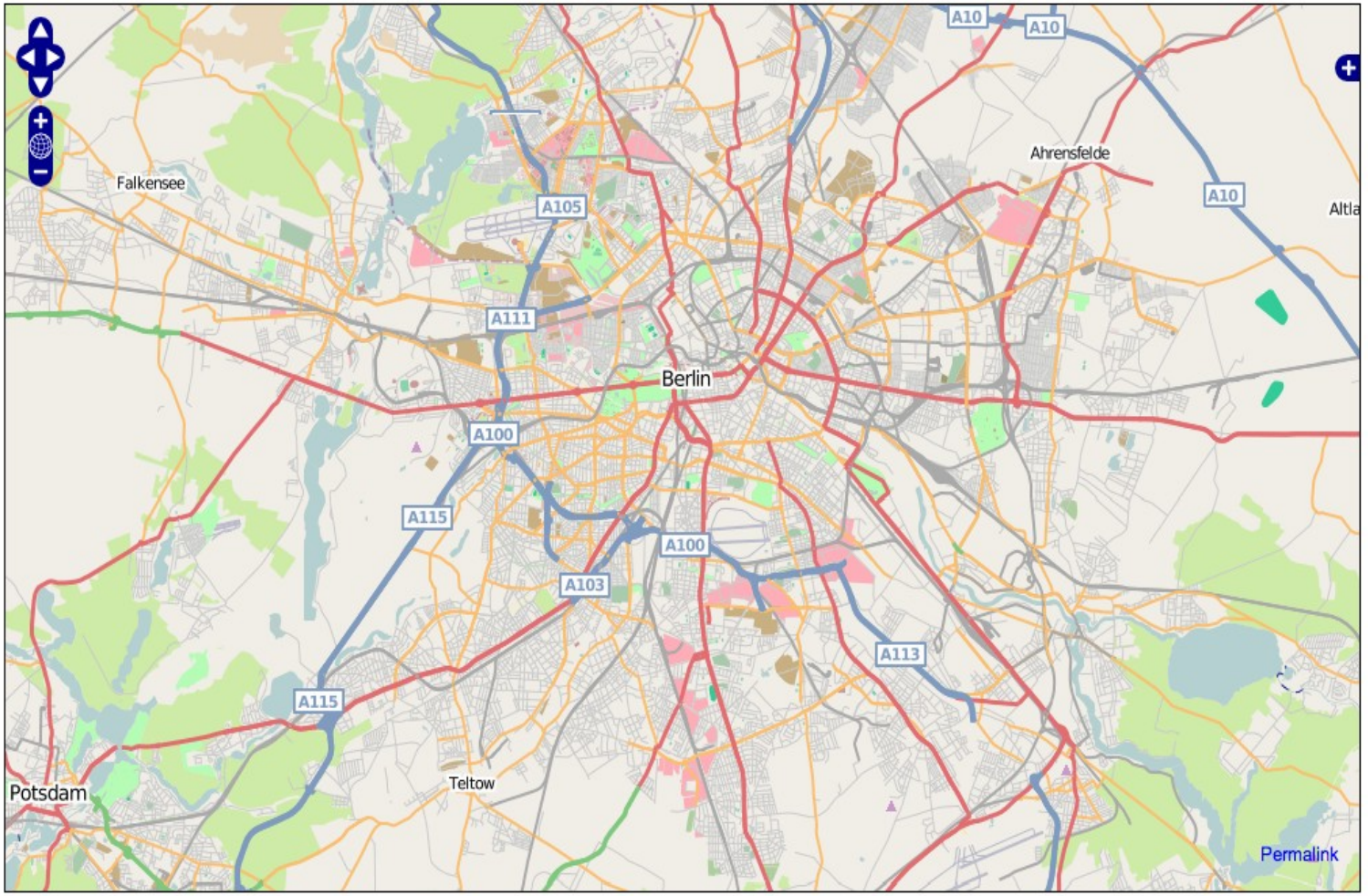
Help & Wiki
Users' diaries
News blog
Shop
Map key

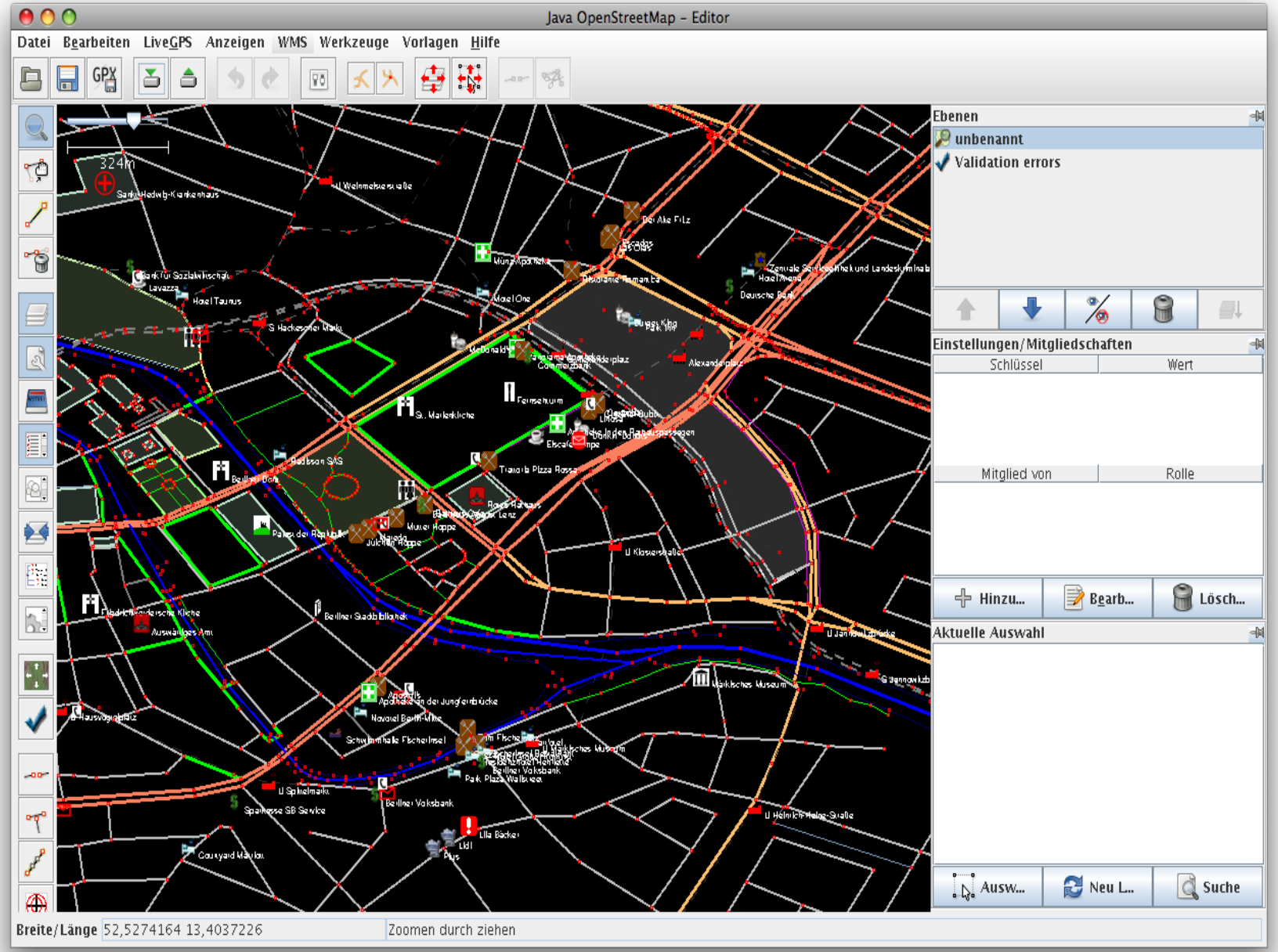
Search Where am I?

examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' more examples...

View | Edit | GPS traces

log in | sign up




Java OpenStreetMap - Editor
Datei Bearbeiten LiveGPS Anzeigen WMS Werkzeuge Vorlagen Hilfe
Ebenen
unbenannt
Validation errors
Einstellungen/Mitgliedschaften
Schlüssel
Wert
Mitglied von
Rolle
Hinzu...
Bearb...
Lösch...
Aktuelle Auswahl
Ausw...
Neu L...
Suche
Breite/Länge 52,5274164 13,4037226
Zoomen durch ziehen

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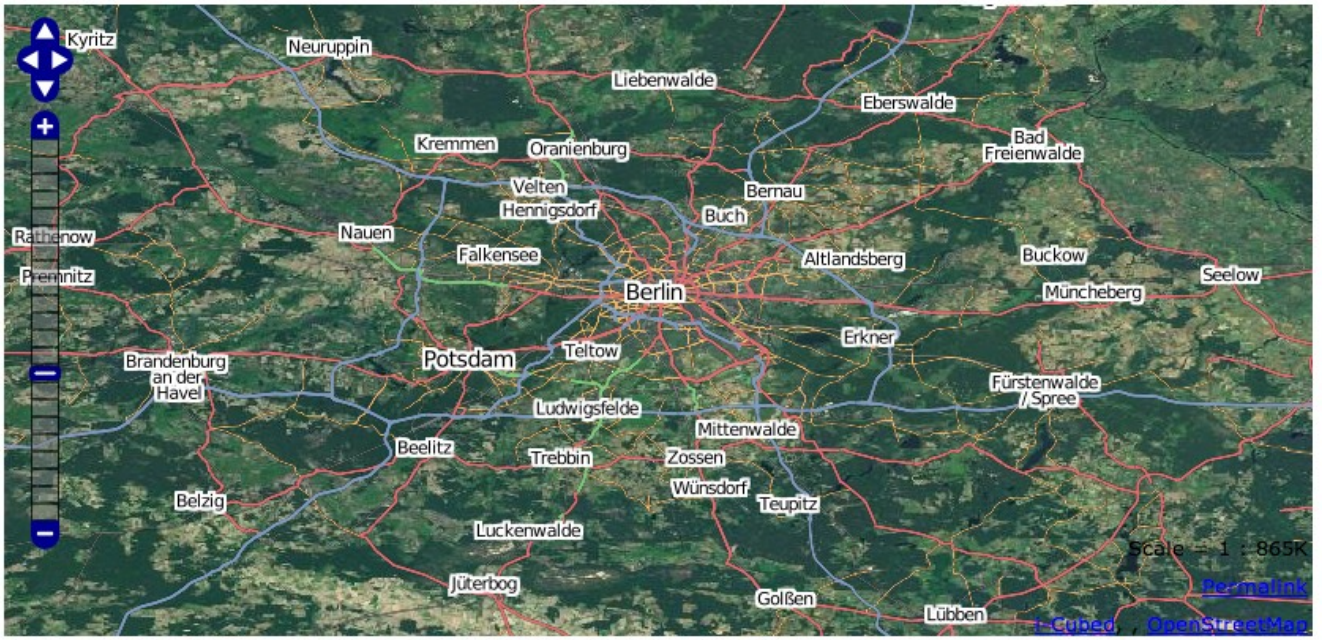
OpenAerialMap

OpenAerialMap

Home | Tutorial | Create Agent | Create DataSource | Create DataRecord | The Map | License Information | Wiki | Using OAM | About

OpenAerialMap is an open collection of aerial photographs, collected into a single coherent view of the world. Read the tutorial to find out how to upload your own imagery, check out the wiki, or go straight to browsing the map.



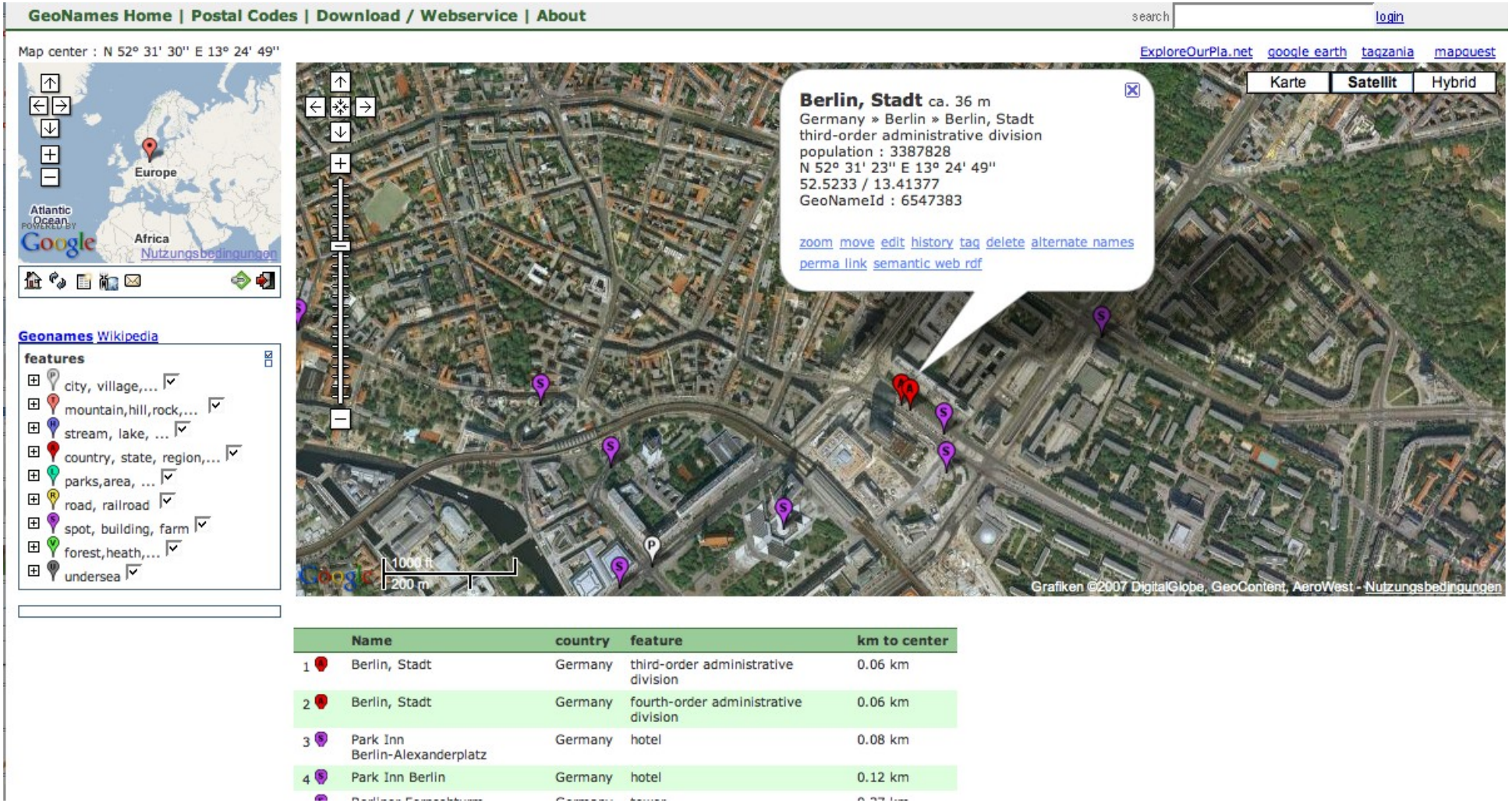
Display OpenStreetMap Data

Recent Uploads

- SIIGSA
  From 1
- New Hanover County Data
  From New Hanover County
- Channel Islands NAIP 2005 Show On Map
  From USDA
- MN NAIP 2003-2004 Show On Map
  From USDA
- Twin Cities Urban Area Show On Map
  From USGS
- Ramsey County Show On Map
  From USGS
- Fort Collins Show On Map
  From City of Fort Collins
- Montana NAIP 2005 Show On Map
  From Montana NRIS
- PictEarth Torrey Pines Show On Map
  From Pict'Earth
- PictEarth Montagnette Show On Map
  From PictEarth

More Uploads

Geonames.org



	Name	country	feature	km to center
1	Berlin, Stadt	Germany	third-order administrative division	0.06 km
2	Berlin, Stadt	Germany	fourth-order administrative division	0.06 km
3	Park Inn Berlin-Alexanderplatz	Germany	hotel	0.08 km
4	Park Inn Berlin	Germany	hotel	0.12 km

Google Maps API

Google Code

Search

e.g. "ajax apis" or "open source"

Site Directo

Google Maps API

Home | Docs | FAQ | Articles | Blog | Group | Terms

What is the Google Maps API?

The Google Maps API lets you embed Google Maps in your own web pages with JavaScript. The API provides a number of utilities for manipulating maps (just like on the http://maps.google.com web page) and adding content to the map through a variety of services, allowing you to create robust maps applications on your website.

New! Google Mapplets - Build mini-applications to embed on the Google Maps site itself.

How do I start?

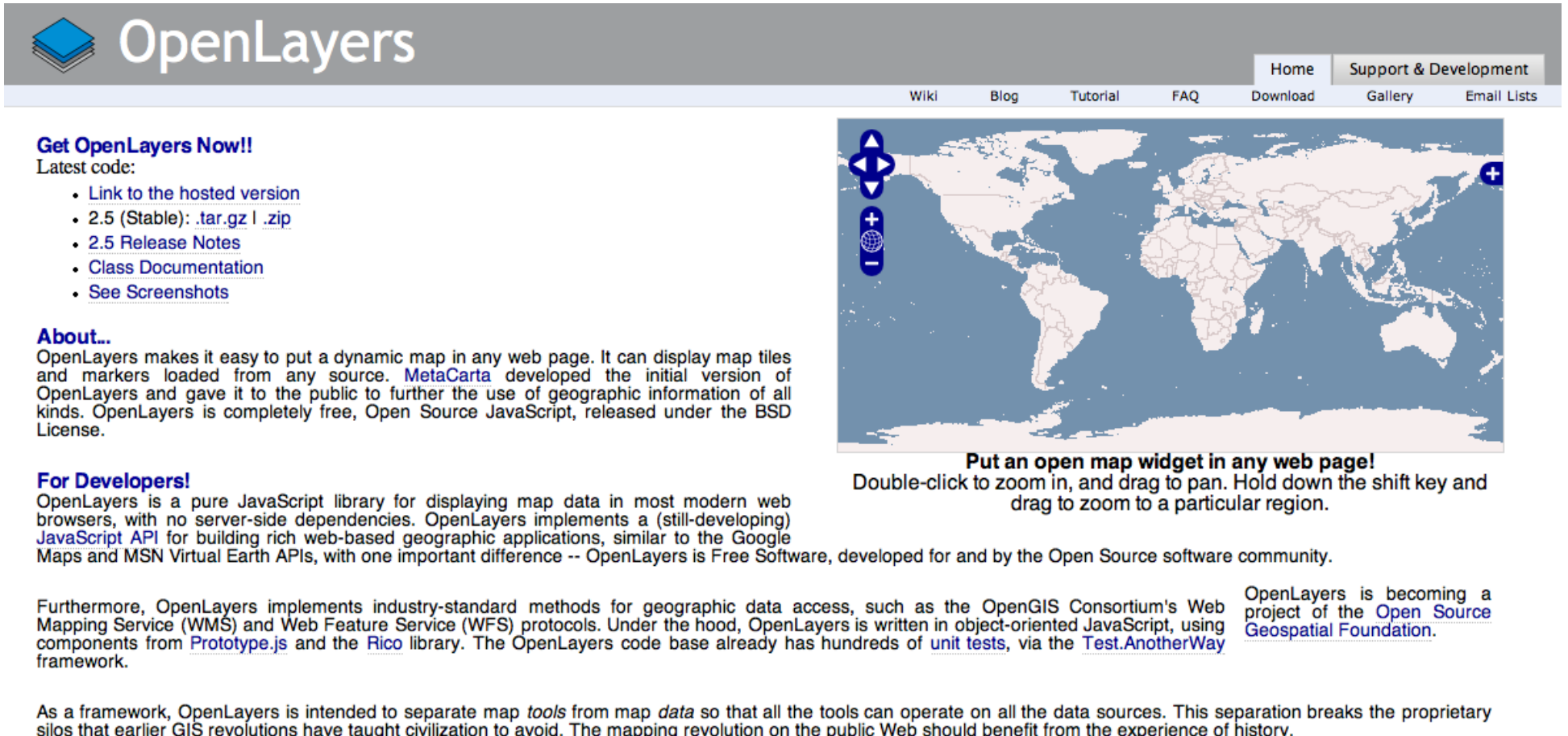
1. Sign up for a Google Maps API key.
2. Read the Maps API Concepts.
3. Check out some Maps examples.
4. Read the Maps API Reference.

Featured Video

Developer Day 2007 - Google Maps API Introduction

Open Layers

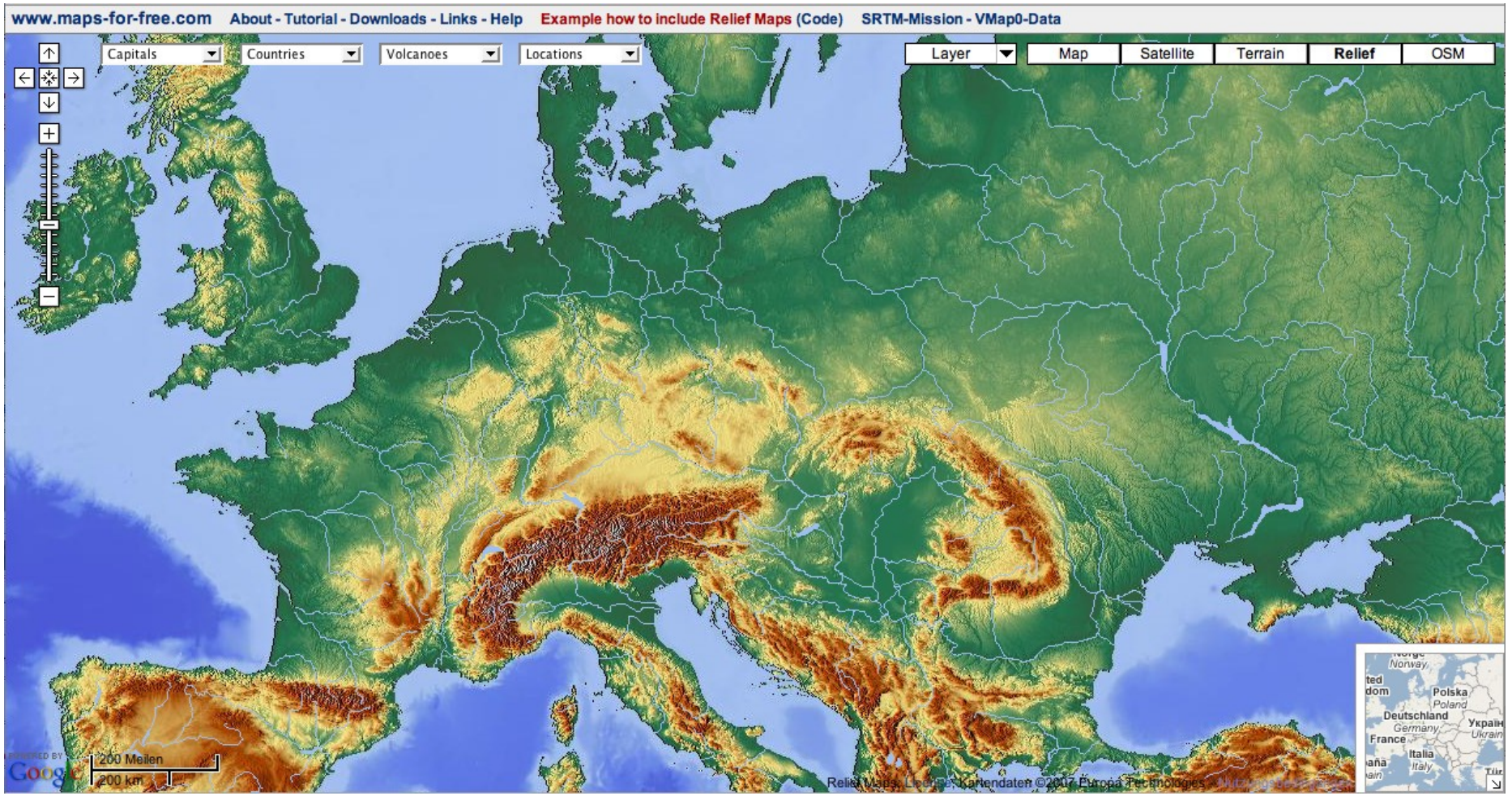
- Doku
- Beispiele



Geodaten aus den USA

- Daten die von Bundesmitarbeitern erfasst wurden müssen frei zugänglich sein (Public Domain)
- SRTM-Daten
  - http://www.maps-for-free.com/
    - /dev/radio Folge #87: Reliefkarten
- Tiger-Daten
  - Import in OSM

http://www.maps-for-free.com/



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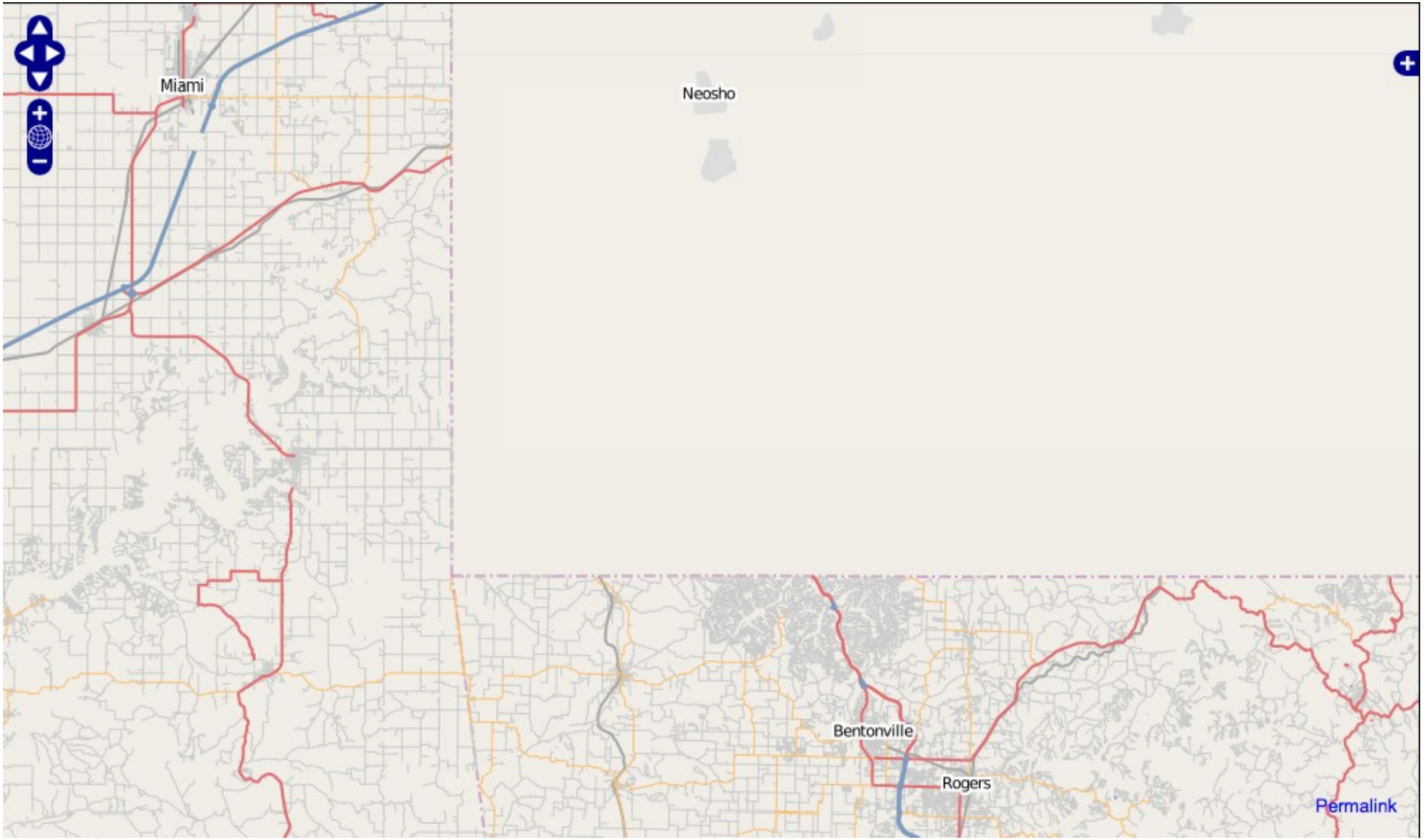

Miami
Neosho
Bentonville
Rogers
Permalink

Web Map Service

- http://domain.tld/xyz.cgi
  - ?VERSION=1.0.0
  - &REQUEST=GetCapabilities

Web Map Service


```
- <WMT_MS_Capabilities version="1.0.0">
  - <!--
      MapServer version 5.0.0 OUTPUT=GIF OUTPUT=PNG OUTPUT=JPEG OUTPUT=WBMP OUTPUT=SVG SUPPORTS=PROJ SUPPORTS=FRE
    -->
  + <Service></Service>
  - <Capability>
    - <Request>
      - <Map>
        - <Format>
            <GIF/>
            <PNG/>
            <JPEG/>
            <WBMP/>
            <SVG/>
          </Format>
        - <DCPType>
          - <HTTP>
              <Get onlineResource="http://www.geodaten.bayern.de/ogc/getogc.cgi?"/>
              <Post onlineResource="http://www.geodaten.bayern.de/ogc/getogc.cgi?"/>
            </HTTP>
          </DCPType>
        </Map>
      + <Capabilities></Capabilities>
      + <FeatureInfo></FeatureInfo>
      </Request>
    + <Exception></Exception>
      <VendorSpecificCapabilities/>
    - <Layer>
        <Name>OGC:WMS</Name>
      - <Title>
          Web Map Service der Bayerischen Vermessungsverwaltung
        </Title>
      - <SRS>
          EPSG:31468 EPSG:31467 EPSG:25832 EPSG:25833 EPSG:4258 EPSG:4326
        </SRS>
        <LatLonBoundingBox minx="8.89292" miny="47.0828" maxx="13.9782" maxy="50.6269"/>
        <BoundingBox SRS="EPSG:31468" minx="4.28e+06" miny="5.22e+06" maxx="4.64e+06" maxy="5.61e+06"/>
```

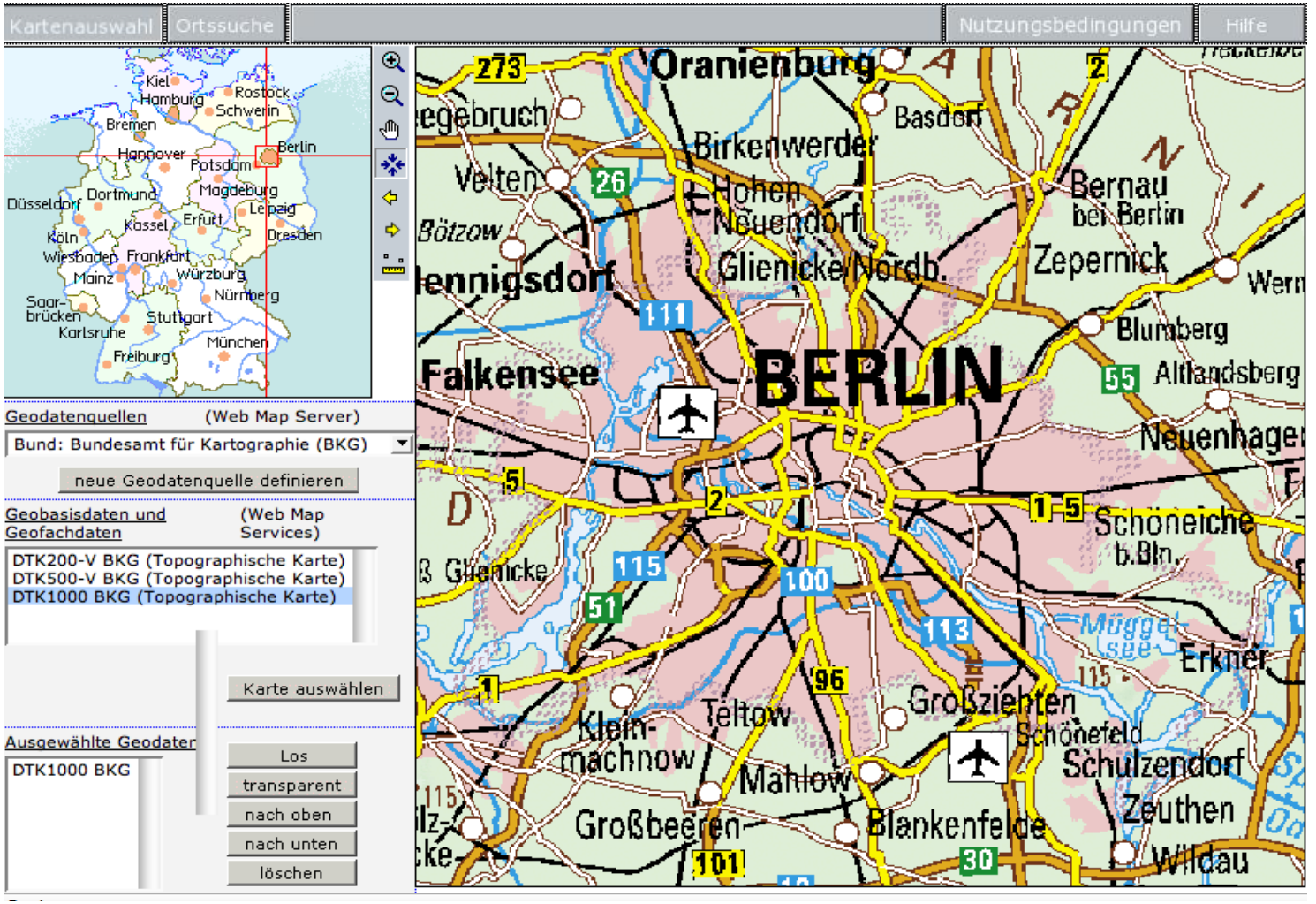
Web Map Service

- http://domain.tld/xyz.cgi
  - &VERSION=1.0.0
  - &REQUEST=GetMap
  - &layers=DOP
  - &width=300&height=300
  - &srs=EPSG:31468
  - &BBOX=8.89292,47.0828,13.9782,50.6269
  - &format=image/jpeg

Koordinatensysteme

- EPSG Codes
  - EPSG:4326 WGS84 World Geodetic System
  - EPSG:31466 = Gauss Krüger 2. Streifen (Bessel)
  - EPSG:31467 = Gauss Krüger 3. Streifen (Bessel)
  - EPSG:31468 = Gauss Krüger 4. Streifen (Bessel)
  - EPSG:31469 = Gauss Krüger 5. Streifen (Bessel)

WMSes der Vermessungsämter



WMSes der Vermessungsämter

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- <ThemeList>
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      <Service alias="LVA HE" type="OGC_WMS" url="http://wmssrv.geo.hessen.de/ias/cgi-bin/siscgi.exe"/>
      <Service alias="LVA MV" type="OGC_WMS" url="http://www.gaia-mv.de/dienste/Rasterfarbig"/>
      <Service alias="LVA MV" type="OGC_WMS" url="http://www.gaia-mv.de/dienste/Rastergrau"/>
      <Service alias="LVA MV" type="OGC_WMS" url="http://www.gaia-mv.de/dienste/DOP"/>
      <Service alias="LVA MV" type="OGC_WMS" url="http://www.gaia-mv.de/dienste/DOPDLM"/>
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      <Service alias="LVA NW VG" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/NW2"/>
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      <Service alias="LVA NW TK100" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/TK100"/>
      <Service alias="LVA NW TK50" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/TK50"/>
      <Service alias="LVA NW TK25" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/TK25"/>
      <Service alias="LVA NW DTK10" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/DTK10"/
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      <Service alias="BKG" type="OGC_WMS" url="http://gdz1.leipzig.ifag.de:80/servlet/com.esri.wms.Esrimap?servicename=dtk20
    </Theme>
  - <Theme name="Geofachdaten">
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      <Service alias="LVA NW GEPNRW" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/GEPNR
      <Service alias="LVA NW LEPNRW" type="OGC_WMS" url="http://www.geoserver.nrw.de/GeoOgcWms1.3/servlet/LEPNR
    </Theme>
  </ThemeList>
```

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