



# The Free Wiki World Map

Frederik Ramm  
ramm@geofabrik.de

HAFAS-Anwendertreffen  
Hanover, 13 May 2008

# *What is OpenStreetMap?*



# *What is OpenStreetMap?*

- Wiki-style world map of everything



# *What is OpenStreetMap?*

- Wiki-style world map of everything
- CC-BY-SA licensed



# *What is OpenStreetMap?*

- Wiki-style world map of everything
- CC-BY-SA licensed
- Started in the UK, 3½ years ago



# *What is OpenStreetMap?*

- Wiki-style world map of everything
- CC-BY-SA licensed
- Started in the UK, 3½ years ago
- 30.000 registered users (10% active),  
250m GPS points



*Why do we do it?*



# *Why do we do it?*

- Existing maps are expensive, and/or usually not free to re-use; no “source code”





## *Why do we do it?*

- Existing maps are expensive, and/or usually not free to re-use; no “source code”
- Huge potential of Open Source developers working with free geodata; huge potential of local mappers who know their area



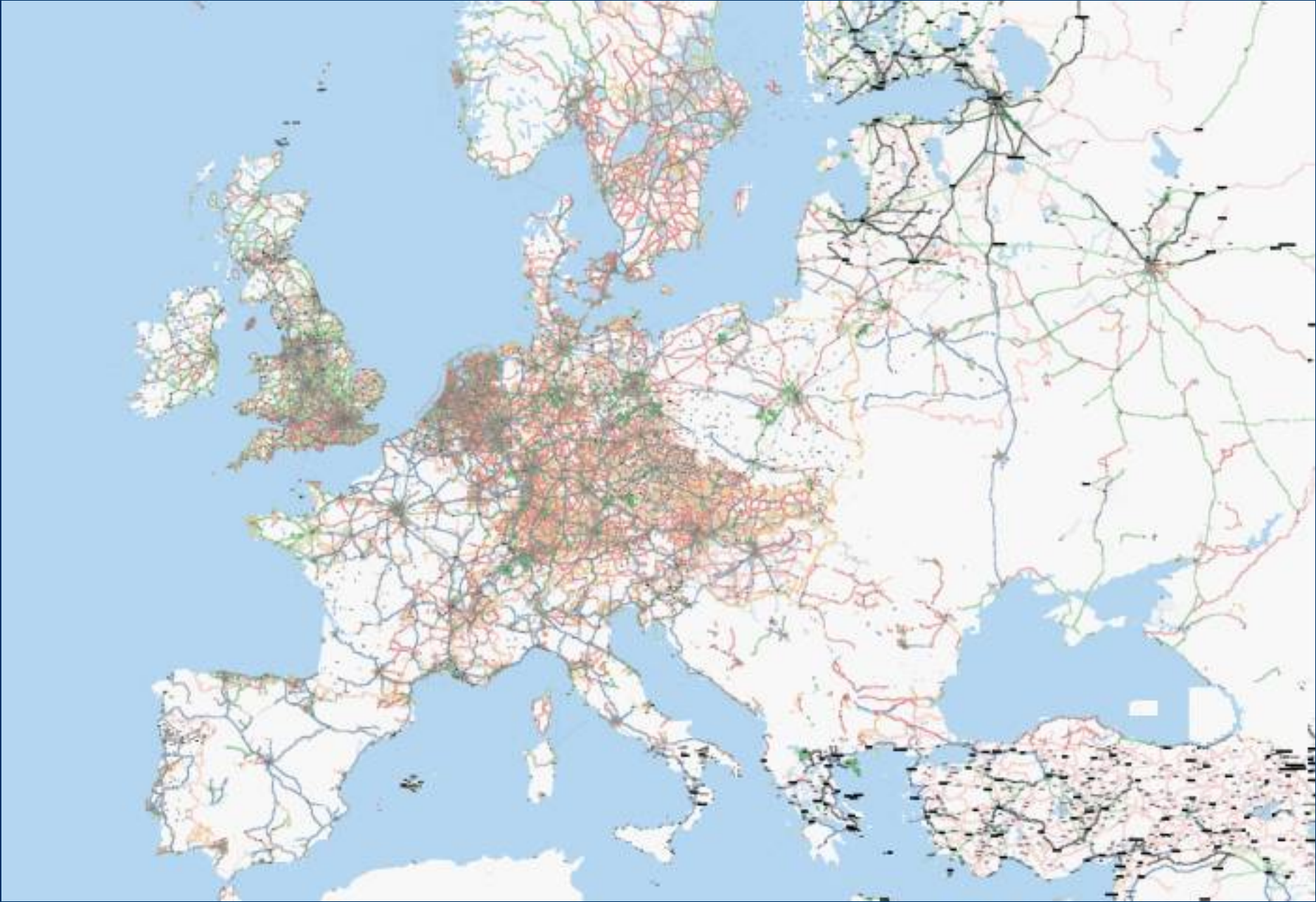
# *Why do we do it?*

- Existing maps are expensive, and/or usually not free to re-use; no “source code”
- Huge potential of Open Source developers working with free geodata; huge potential of local mappers who know their area
- Collecting data is fun

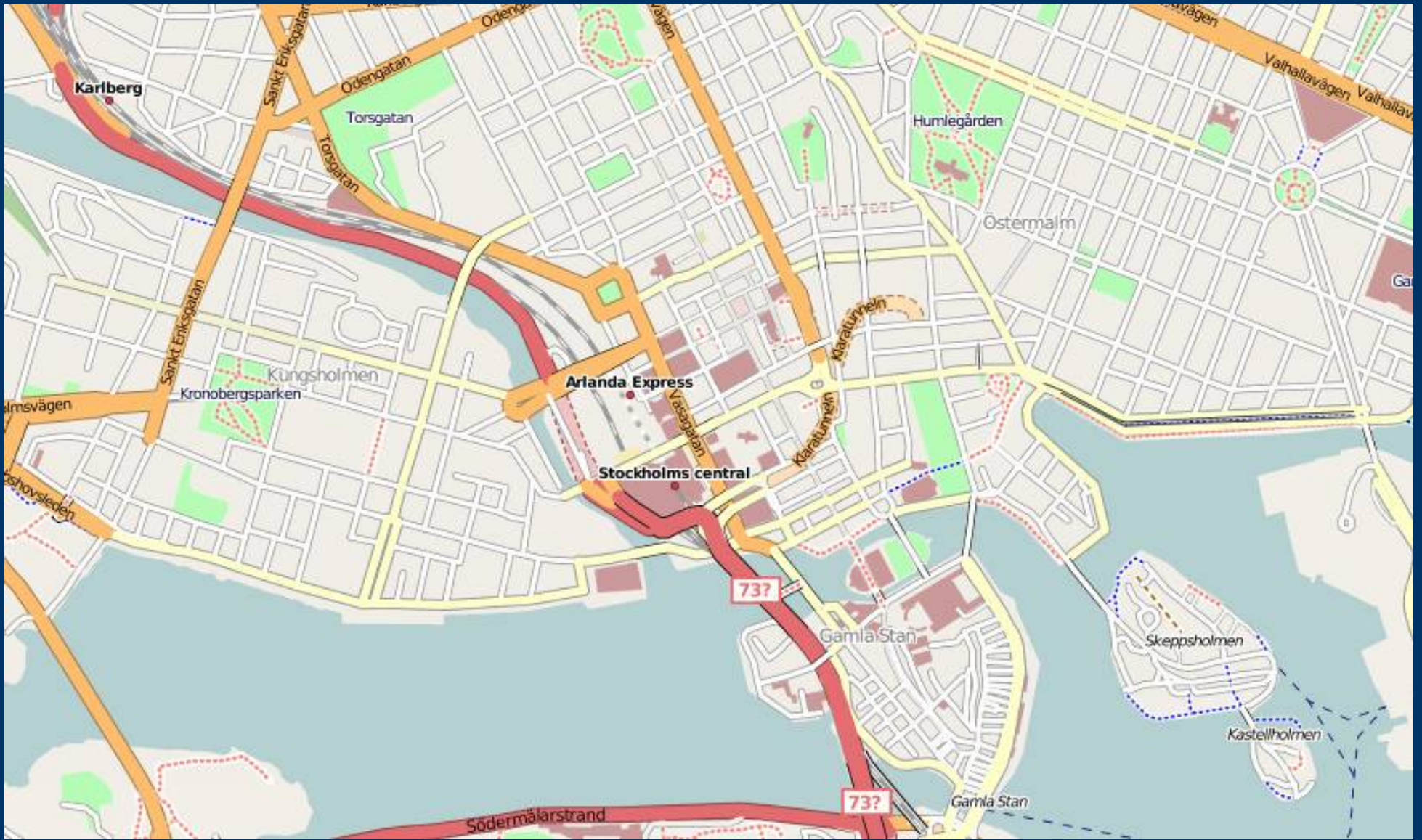


*What have we got?*

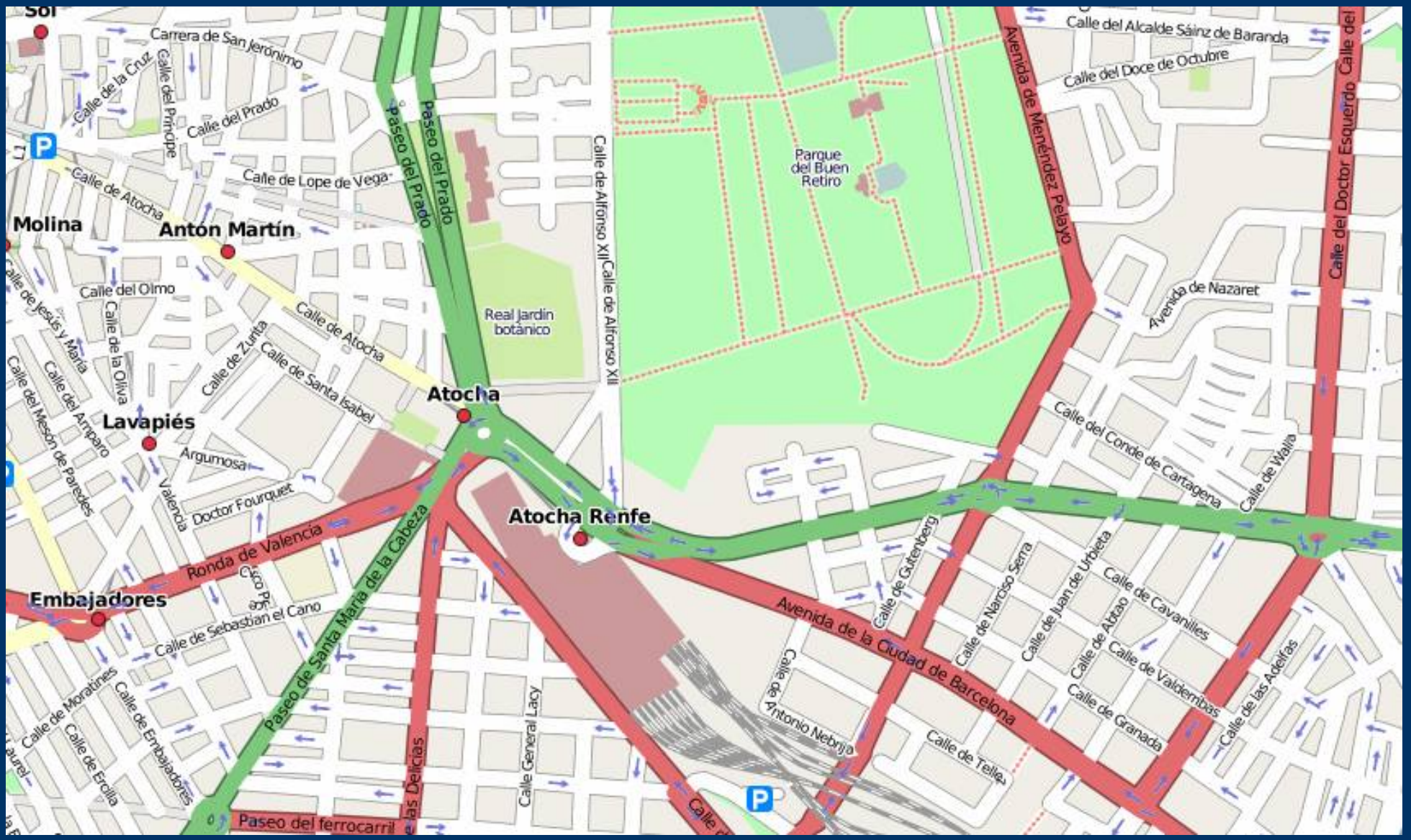






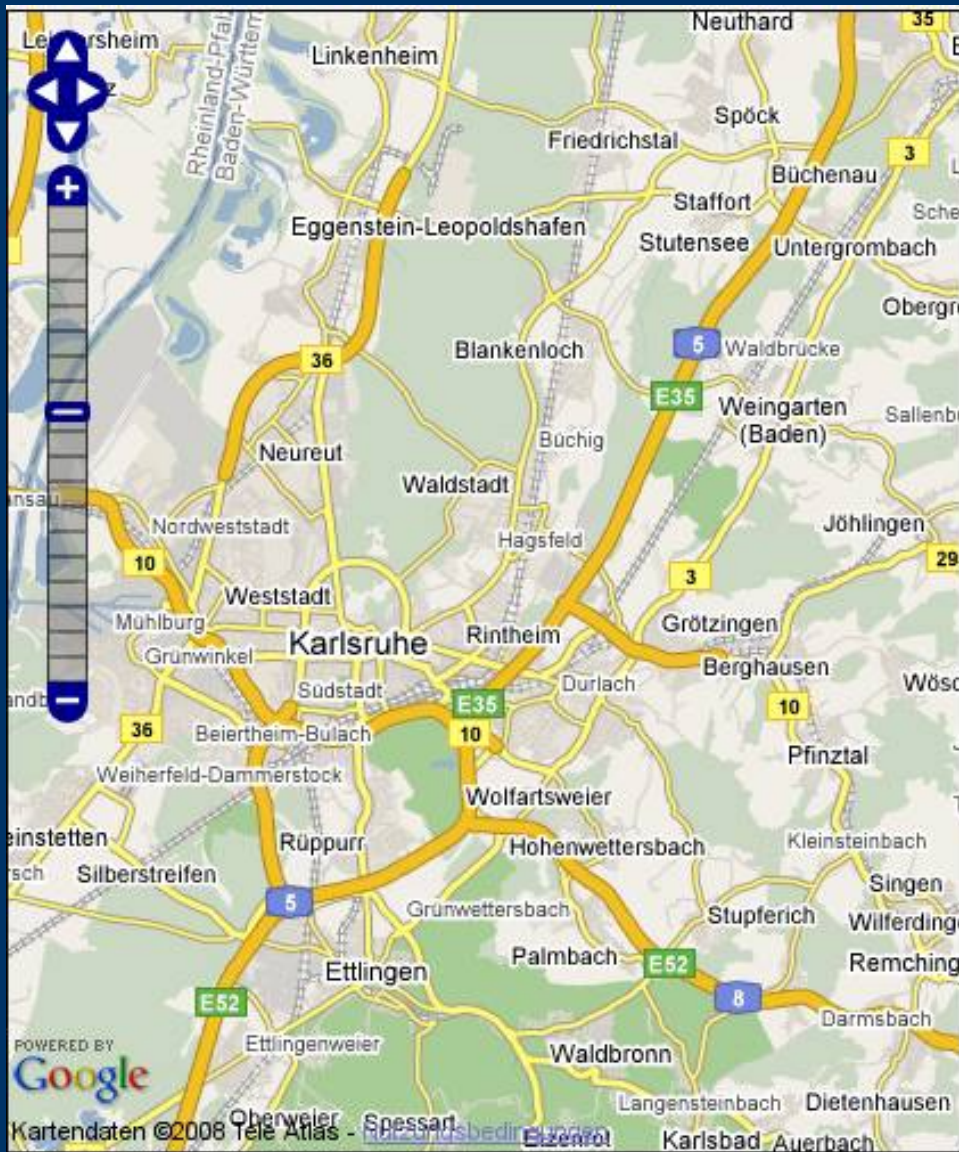




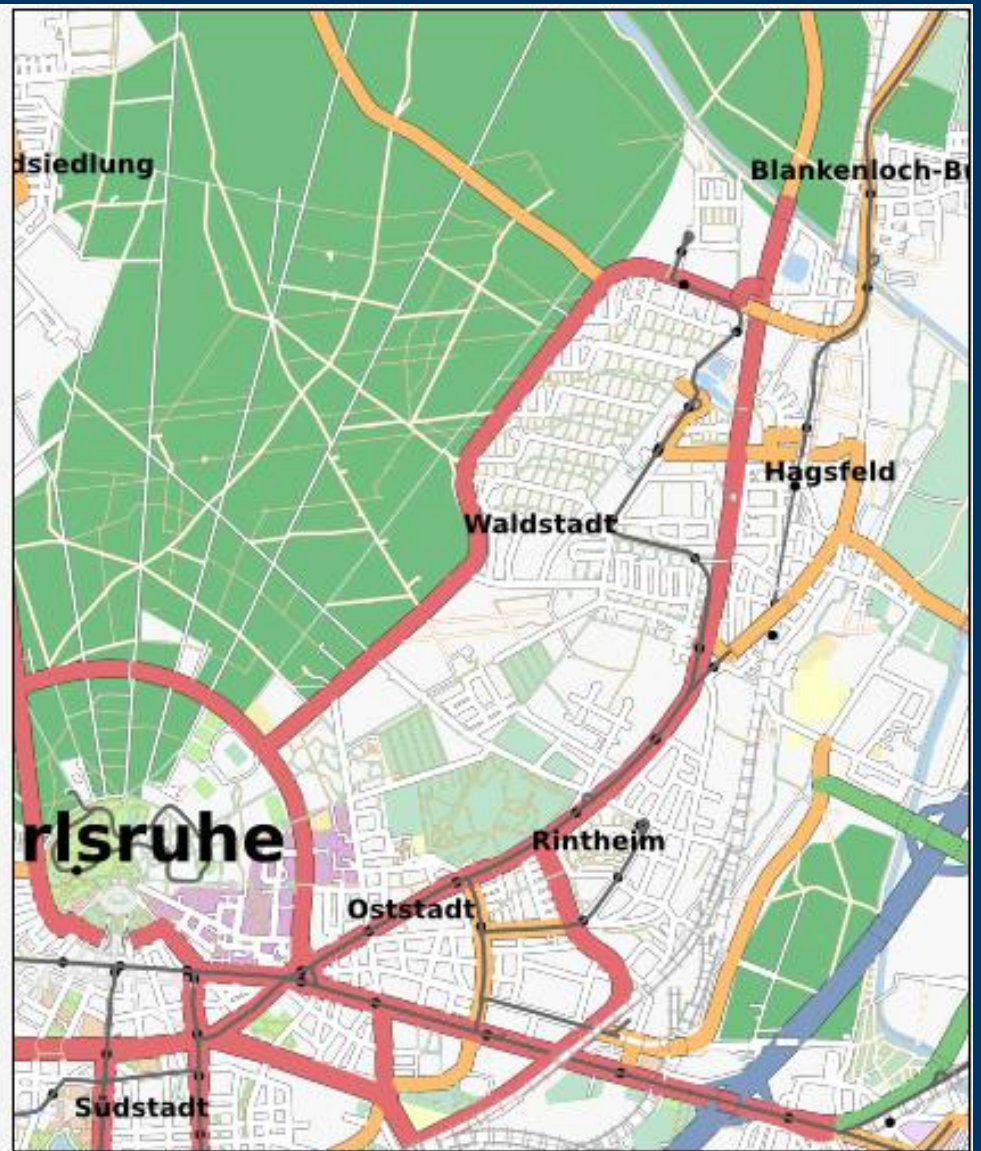


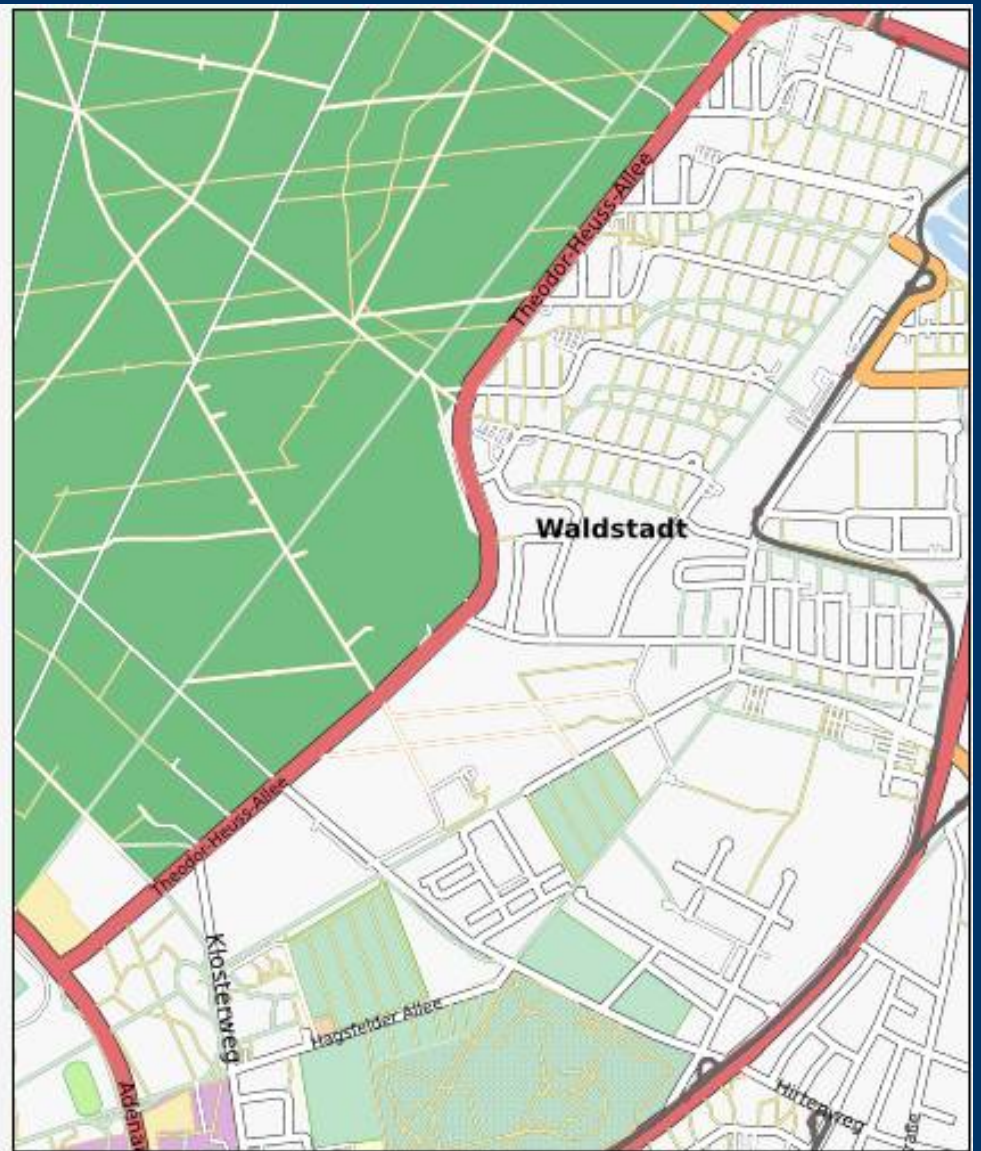


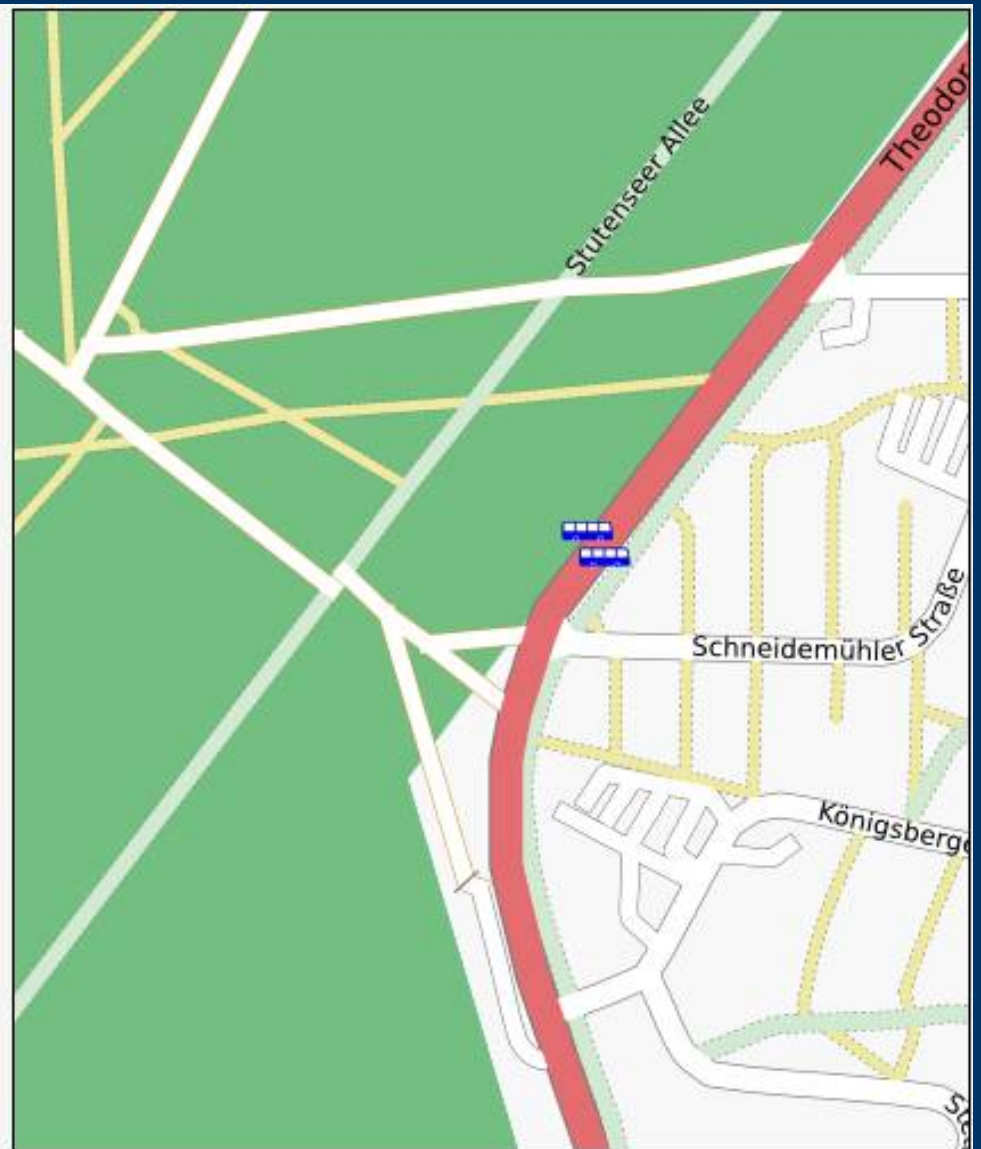












*How does it work?*









+










\*Java OpenStreetMap - Editor

File Edit View WMS Tools Presets Help

Layers

Upload these changes?

Objects to add:

- (48,6916477, 9,3514917)
- (48,6974415, 9,1408321)
- (48,7611291, 9,0179473)
- (48,8189569, 8,8862850)
- (48,8767181, 8,7721777)
- (48,9286463, 8,7195128)
- (48,9286463, 8,5527406)
- (48,9689975, 8,4035233)
-  highway 8 nodes

Ja Nein

Memberships

	Value
	secondary

Role

+ Add Edit Delete

Lat/Lon Click to add a new node. Ctrl: no node re-use/auto-insert. Shift: no auto-connect. Alt: new way

*Also...*



*Also...*

- Out-of-copyright maps, public map data



## *Also...*

- Out-of-copyright maps, public map data
- Aerial imagery (Yahoo!)





## *Also...*

- Out-of-copyright maps, public map data
- Aerial imagery (Yahoo!)
- Map data donations (AND)



## *Also...*

- Out-of-copyright maps, public map data
- Aerial imagery (Yahoo!)
- Map data donations (AND)
- Track donations



# Also...

- Out-of-copyright maps, public map data
- Aerial imagery (Yahoo!)
- Map data donations (AND)
- Track donations

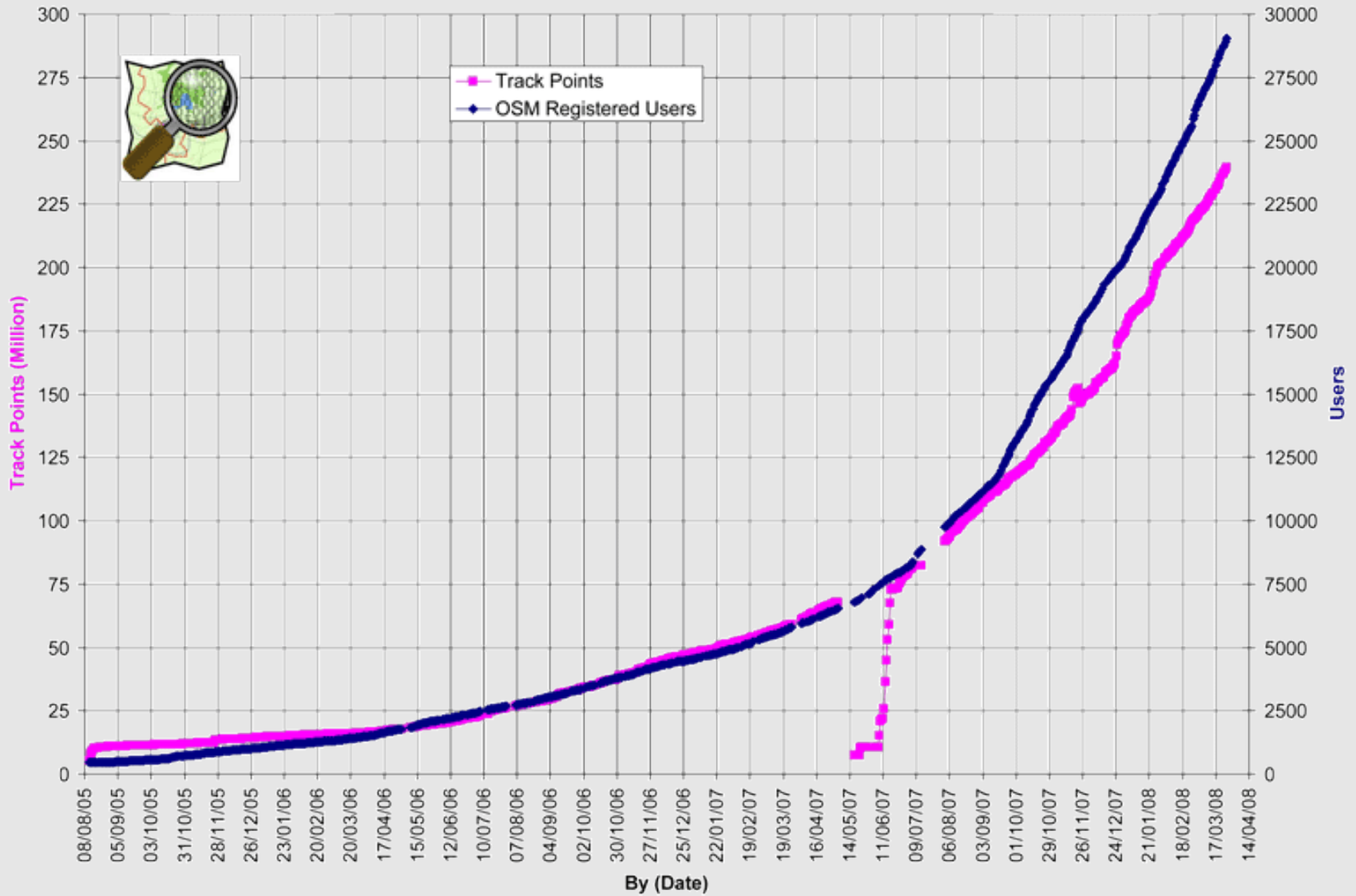


# *The OpenStreetMap Community*



# OpenStreetMap Database Statistics

## Users and User gpx Uploads (track points)

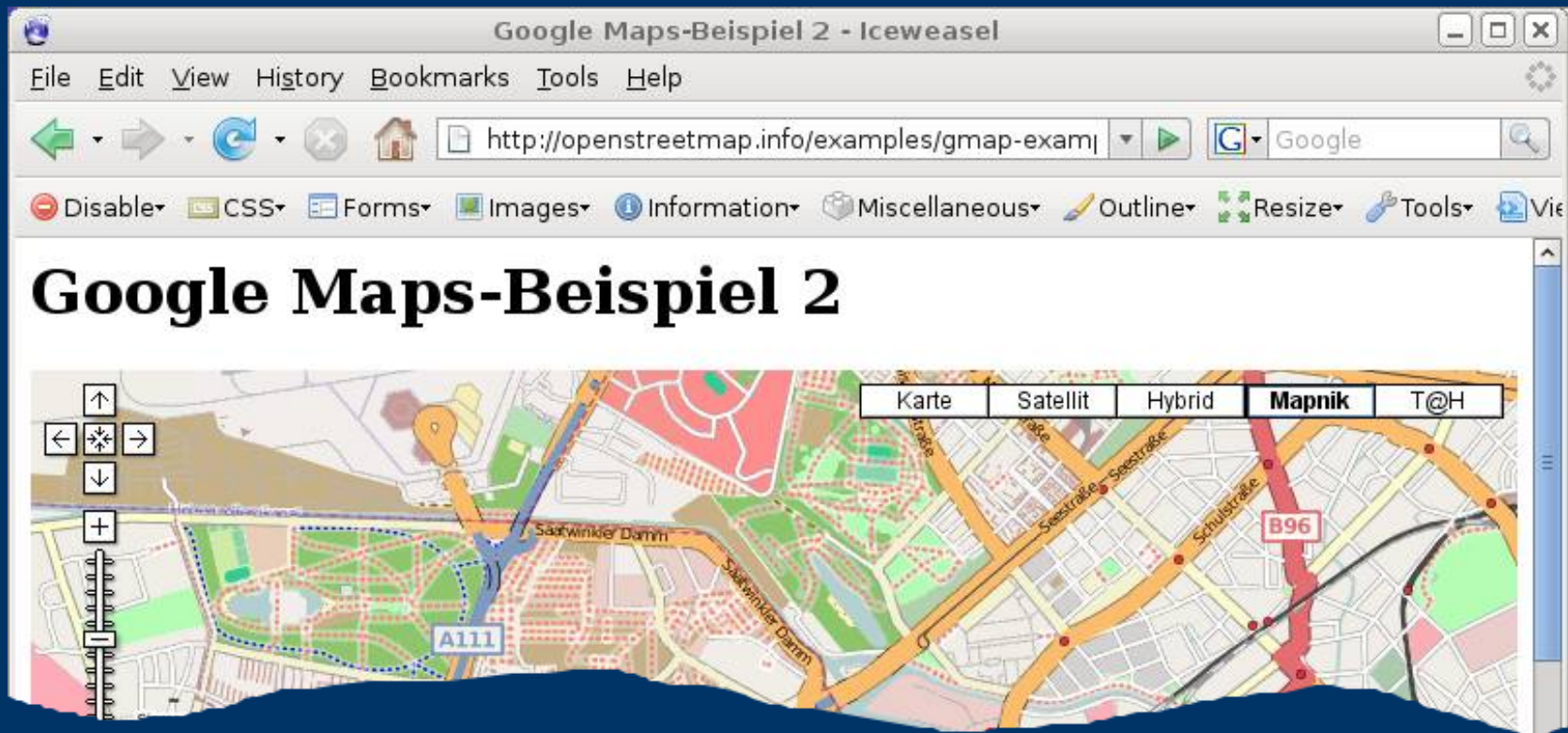


# *Commercial Applications*



# Commercial applications

- Suitable as a “backdrop” map out-of-the-box (Tile server Google Maps compatible)



# Commercial applications

- Suitable for printed maps





# Commercial applications

- Suitable for routing cars, bicycles and pedestrians

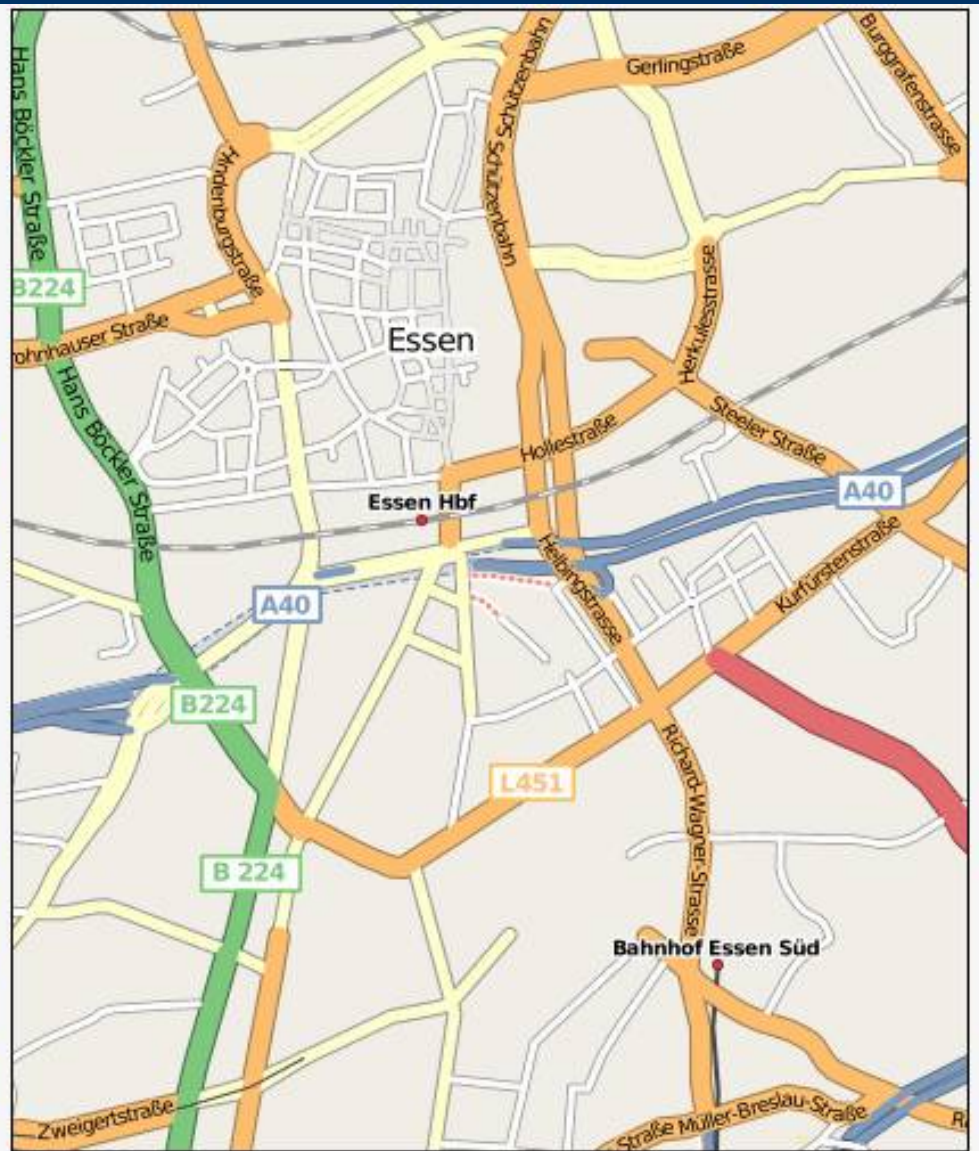
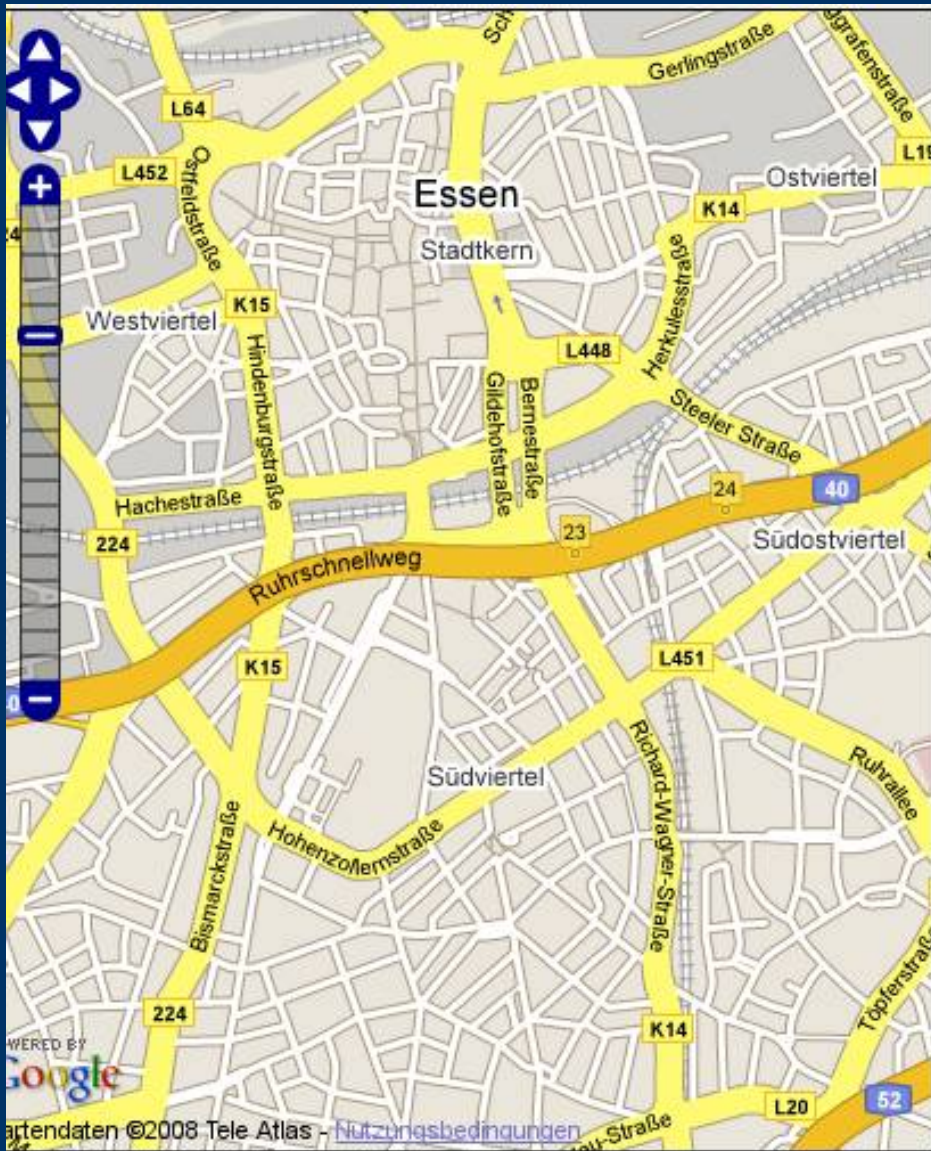


# *Commercial applications*

- ... always subject to data quality!







# Advertisement

Frederik Ramm  
Jochen Topf

## OpenStreetMap

Die freie Weltkarte nutzen  
und mitgestalten



Lehmanns Media





Thanks!

Frederik Ramm  
ramm@geofabrik.de

**GEOFABRIK** 