

Winter Semester 2015/16 - LV-Nr: 19304801

Spatial Databases Project

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Project Description

- The goal of the project is to work with weather data and OpenStreetMap (OSM).
- You can bring in any other interesting data sets, preferably Open Data

The steps to be taken

1. Find data sources for:
 - Medium-range (3–7 days) and short-range (12–48 hours) weather forecasts
 - Current and historical weather data from weather stations
 - OpenStreetMap data for districts and cities
2. Model your data in an ER and store the data in PostGIS.
3. Overlay OSM areas with forecast and historical weather data.
4. Visualize the probability of forecasts compared to historical weather data on a map.

3 Project Iterations

19 November: First Session

- Find data sources
- Define DB schema
- Import data (vector and raster)

17 December: Mid-Term Session

- Run spatial queries
- Visualize data (on map)

28 January: Final Presentation

28 February: Deadline

documentation and source code