

Group Work

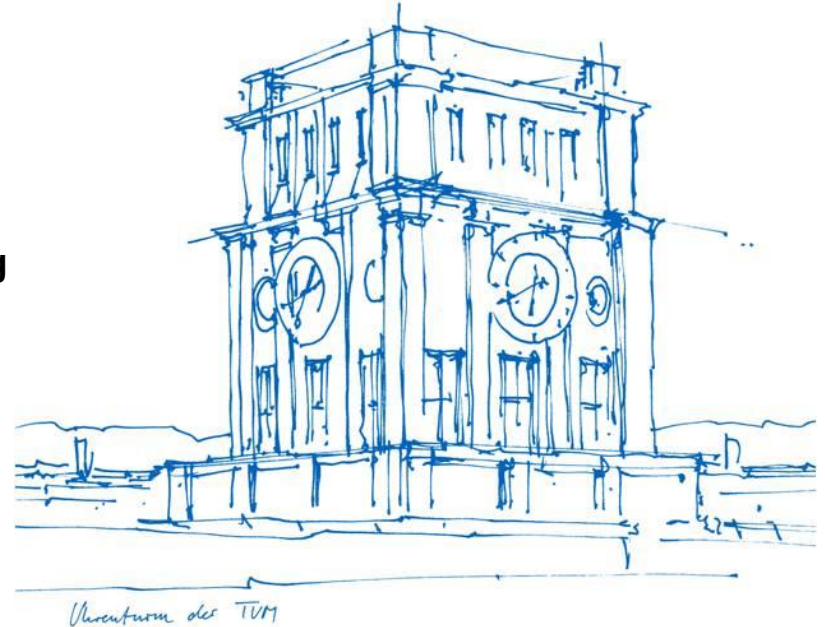
Munich Air Quality

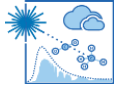
Technical University of Munich

TUM Department of Electrical and Computer Engineering

Professorship of Environmental Sensing and Modeling

Prof. Dr.-Ing. Jia Chen





Group work incl. final presentation (30 % of final grade)

Tasks:

1. Discovering the air quality monitoring stations in Munich
2. Analyzing the air quality data

How it works:

- Build a group of 2-3 students
- Distribute the tasks in your group
- Present your findings in one of the tutorial sessions at the end of the semester
- Upload your presentation (PDF) + code (ZIP) until July 30, 2023

1. Discovering the air quality monitoring stations

How it works:

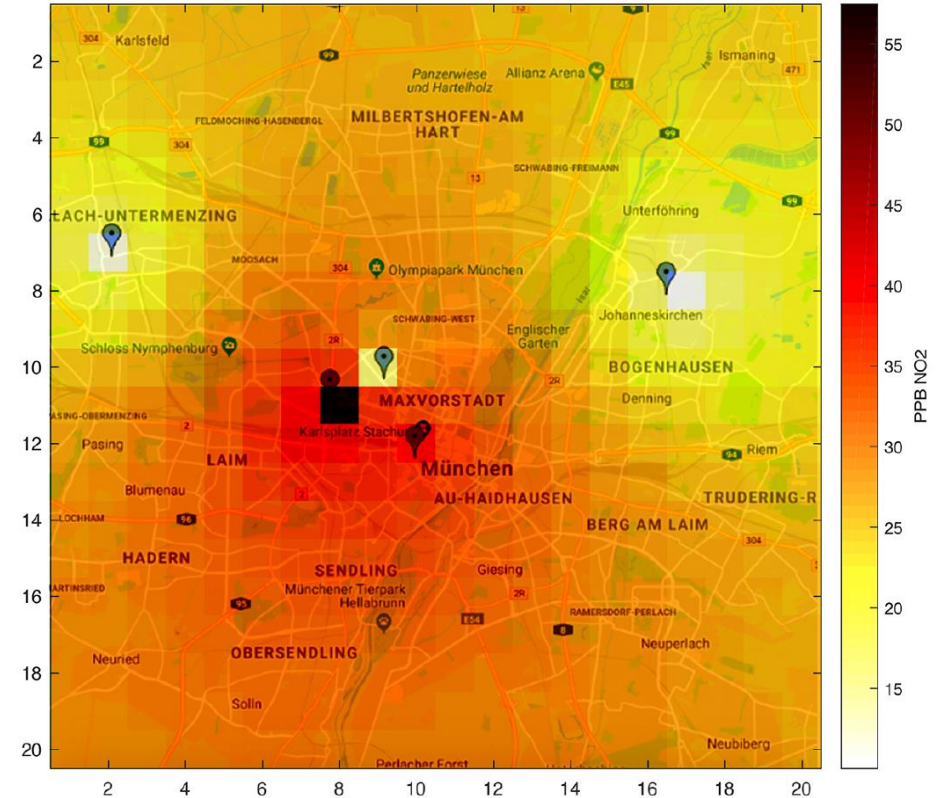
- Go to one of the air quality monitoring stations in Munich
- Take some pictures
- Answer at least the following questions:
 - Are all the requirements of the 39. BImSchV fulfilled?
 - Maximum distance to the street: 10 m
 - Minimum distance to the crossroad: 25 m
 - Height of the measurement inlet: 1.5 to 4 m
 - Are there any obstacles that could falsify the results (e.g. buildings, trees, etc.)?
 - Do you think that this particular station is representative for the city/for the background?
- Summarize your findings in some slides



2. Analyzing air quality data

How it works:

- Accomplish the tasks according to the provided task sheet → *PDF file*





3. Final presentation

How it works:

- Presentation date: end of the semester
- Each group summarizes all their findings (task 1 and 2) in one presentation
- Present your results to the other students of the lecture
- Each group will present for 15-20 minutes + Q&A

Announcement – Guest Lecture

Lecture by **Reinhard Lobmaier (LfU LÜB)** on 10 July 2024

