

# Environmental Sensing and Modeling

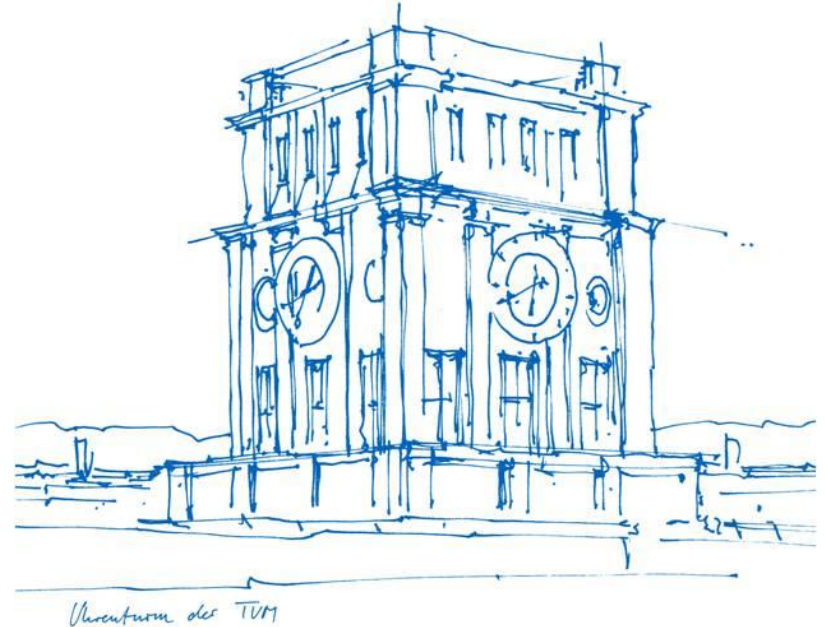
Technical University of Munich

TUM Department of Electrical and Computer Engineering

Professorship of Environmental Sensing and Modeling

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# 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
- Accomplish tasks
- Prepare a presentation
- Present your finding in one of the tutorial sessions at the end of the semester
- Upload your presentation as one PDF file until March 15, 2022

# 1. Discovering the air quality monitoring stations

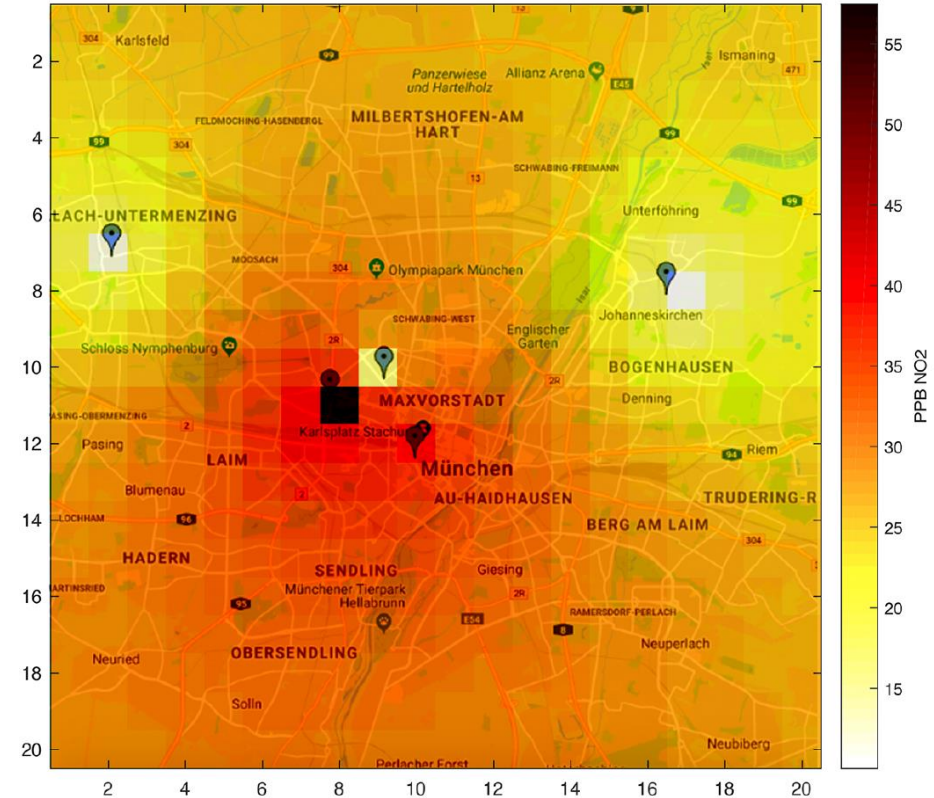
- **How it works:**

- 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. Analysing air quality data

- **How it works:**
  - Accomplish the tasks according to the provided task sheet





## 3. Final presentation

- **How it works:**
  - Presentation date: end of the semester
  - Each group should summarize 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 approx. 15-20 minutes