



TU WIEN  
DEPARTMENT OF  
GEODESY AND  
GEOINFORMATION

# Exposé

## (Preliminary) Master Thesis Title

### **Student**

Name: Martina Müller

Student ID: 01234567

### **Supervisor**

Main supervisor: Title Dr. Name Surname

Co-supervisor: Univ.-Ass. Dr. Name Surname

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## 1 Relevance of the Topic and Problem Statement

In this section, explain why the topic is important within the broader academic or practical context. Describe the current situation, identify a gap or problem, and justify why it needs to be addressed. Mention any recent developments or societal/technological trends that increase the topic's relevance.

You are encouraged to add references where appropriate. To do so, e.g. use the `\citep{}` or `\citet{}` commands for parenthetical citations, i.e., (Doe et al., 2025), or narrative citations, i.e., Doe et al. (2025), respectively. When using LaTeX, all references must be added to the corresponding bib-file (e.g. references.bib).

(max. 1/2 page)

## 2 Objectives and Research Questions

Define the objective(s) of the thesis. What do you aim to achieve or find out? These objectives may be broken down into specific, researchable questions. These should guide the investigation and clearly reflect the core focus of the work.

A good research question should ...

- ... be clear: It must be easy to understand and precise. It should be free of ambiguity and vague terms.
- ... be focused: The question should be narrow enough to be answered within the scope of your thesis. Include specific details such as what, when, and where (e.g., study site, time frame).
- ... be verifiable and falsifiable: Formulate the question so that it can be clearly answered based on evidence — allowing you to confirm or refute it.

(Rule of thumb: not more than 3 research questions)

## 3 Methodology

Briefly outline how you plan to approach your research, e.g., by case studies, modeling, experiments, or literature analysis. Mention the data sources, tools, or theoretical frameworks that you intend to use.

(max. 1/2 page)

## 4 Workplan

**Time schedule.** Provide a schedule as a GANTT chart with clearly defined start dates. For each major task to be undertaken (e.g., literature review, data collection, processing, data analysis, thesis writing), specify the time frame. This helps to structure the work and shows that the project is realistically planned.

Also, provide a plan for when to hand in the **first draft** and **final version** of the thesis. The first draft should contain the entire thesis. The supervisors will provide feedback. The final version is then the revised version of the thesis and addresses all corrections needed. The final grade will be based on this version of the thesis.

**Risks and contingencies.** Please identify possible risks and also define a path for handling problems: Not all work will be executed without problems, and it is wise at this planning stage to think up what kind

of problems might arise at what point in time. Once that has been done, you should also indicate possible alternatives.

## 5 Bibliography

Doe, J., G.N. Surame, et al. 2025. Paper title. *Journal Name* Vol.(Nr.): xxxx–xxxx. <https://doi.org/10.xxxx/xxx-xxx-xxx> .