

# MA Thesis: Identifying, measuring and mitigating biases in an AI-supported Knowledge Base for urban AI governance

The thesis will focus on biases in *information representation and retrieval* within the platform (as opposed to biases in the original policy documents' content, which is another issue). It will consider both the *algorithmic components* (LLM behavior, search algorithms) and design choices.

**Objective:** The thesis aims to identify, analyze, and mitigate systematic biases in an AI-supported knowledge base for AI urban AI governance. It will produce actionable insights to ensure such platforms uphold principles of fairness and inclusivity, rather than inadvertently favoring certain viewpoints or stakeholders.

**Possible Research Questions:** What types of systematic biases emerge in an AI-supported knowledge base due to socio-technical design choices? How can these biases be mitigated without undermining the platform's scalability and usability?

**Methods:** interviews with platform designers, LLM querying and prompt optimization techniques.

If interested please contact

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Starting Date: as soon as possible

We are looking forward to your application!