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## Verfassen von Bachelor-Arbeiten am UFZ / Durchführen von Praktika

### Topics:

- Review of target values on environmental pressures and solutions by global institutions for various drivers and pressures.
- Review of target values on environmental pressures and solutions by the EU for various drivers and pressures

**Starting date: Spring 2023**

### Motivation:

Nature based solutions (NBS) support the transformation of urban regions towards more resilience with regards to climate change. In the EC-funded project REGREEN (<https://www.regreen-project.eu/>), we aim to implement specific NBS, quantify their benefits and scientifically guide the involved urban living labs (ULLs).

### Being part of the team

In REGREEN, we will substantially improve the evidence and tools to support co-creation of NBS in urban settings, implement decision support systems for planning and governance that provide multiple ecosystem services and wellbeing. Based on innovative concepts, the project will create a framework for combining quantitative and qualitative data to explain the urban need for NBS through multifunctional green infrastructure by exploring their benefits and value. In this framework, spatially explicit urban drivers and pressures will be analysed together with qualitative values of residents' perceptions and responses. This mixed methodology will consider the complex interactions between drivers, pressures and perceived valuation at the most appropriate levels. The result will serve as a synthesis to identify the most appropriate locations for future NBS interventions, in a case sensitive way.

In this work, the research question revolves around the identification appropriate and case sensitive target values. They should relate to widely accepted targets and thresholds as defined by global players such as UN, FAO, WHO, etc. and / or relate to European-based institutions such as EEA. The study will result in a written and tabular synthesis.

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**Major task for the candidate**

- Refined literature review
- Systematic documentation of thresholds and target values

The thesis / internship report will be written **in English**.

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