

Project Proposal

For the Degree Program in Sustainability Studies

Project outline: AI tools for a circular bioeconomy in the packaging industry

Duration: 5-6 Months (27,5 ECTS = 825 h)

Location: Home Office

Possibilities for a follow-up Master's Thesis: Yes, e. g. full application for the research project or Master's Thesis on the content of the granted project

Potential Cooperation Partners (if applicable): None

Supervisor / Contact: Alina Kleiner, M.Sc.

Aim of the project: The aim is to provide a project outline for a research project on the topic of "AI tool for more sustainable packaging design"

Project description: The project outline is intended to apply for a research project in which an AI tool to support more sustainable packaging design and usage will be developed. To provide the project outline AI technologies currently in use and potentially applicable in the future are to be researched. The project outline should describe how to proceed with the development of an AI tool that considers various aspects e. g. packaging material selection, functionality, applicable regulations, potential environmental impacts and consumer aspects. The project outline should be drawn up in accordance with the specifications of a potential funding programme.

Suitable for / Requirements for the student: Can be carried out in German or English. The student should be interested in the topic, have an independent way of working and be willing to familiarize themselves with the process of writing a research proposal.