

Vacant thesis (MP, MA, optionally 2 BA)*

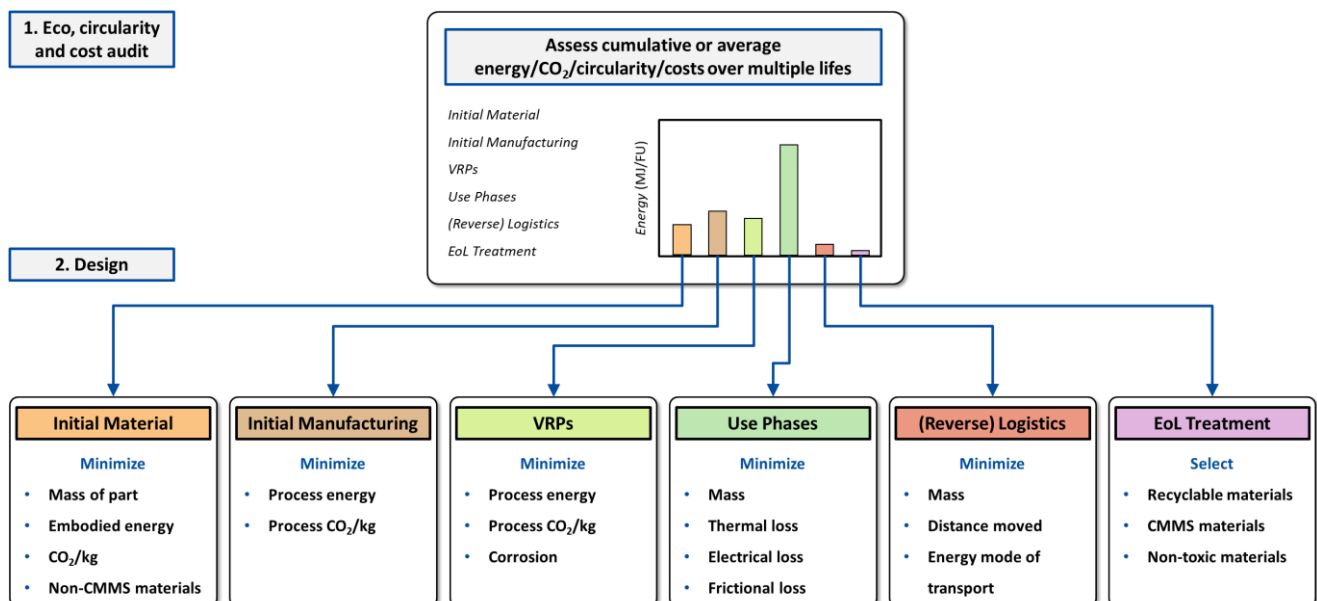
Recommendet for: M.Sc. SSE,

Eco-Audits are a well-defined tool in eco-informed material selection serving two functions:

1. Hot-spot analysis to identify objectives and constraints for material selection
2. Rapid comparison of the eco-impact of different material options during the material selection process

Nevertheless this methodology does not serve the needs of circular product design and circular material selection yet. This thesis will further develop the existing methodology and tool towards multiple-life-cycle-modelling of eco-impacts, as well as the assessment of circularity. Testing and evaluating the new approach with fictitious or real-world examples will help to improve the new methodology.

The thesis is part of a bigger project at INATECH aiming at the development of a circular materials selection methodology. For a **B.Sc. thesis**, the topic could be split up.



Starts: As soon as possible

Timeframe: According to examination regulations

More topics on request!

* Forschungspraktikum = FP, Vertiefungspraktikum = VP, Study Project = SP, Bachelor Project = BA, Master Project = MP, Master Thesis = MA

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