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# Contributions to contribution analysis: structuring and extension of approaches to understanding contributions to impacts in Life Cycle Assessment

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# Curriculum Vitae

Marc was born in Vlissingen, the Netherlands in 1992. Marc became interested in sustainability in his late teens. Somewhere during this time he saw a 'VPRO Tegenlicht' episode where one of the interviewees had studied 'Industrial Ecology', which sparked his interest.

During his studies for Bacherlor of Science in Mechanical Engineering at the Hogeschool Rotterdam (2013-2017) he did a minor in 'Sustainable Development' at Leiden University. There he learned about the Master of Science programme 'Industrial Ecology' at Leiden University that was also hosted there and decided to enroll (2017-2020). While the programme was intense, the sense of community and deep interests in sustainability of his peers made the effort worth it.

At the end of his masters programme, the Covid-19 epidemic happened, and he was forced to do most of his master thesis from home. Despite the added challenges everyone faced during this time, his thesis supervisor, Bernhard Steubing saw an opportunity to keep working together and Marc started a PhD with Bernhard, Mingming Hu and Arnold Tukker.

During his masters and PhD, Marc also worked on the development of the LCA software 'activity browser', which was quite rewarding in its own right.

After completing his PhD thesis, Marc will continue his academic work as a PostDoc working with Mara Hauck and working on prospective LCA of re-useable solar panels at the Technische Universiteit Eindhoven.

# List of publications

## First Author

**van der Meide, M.**, Harpprecht, C., Northey, S., Yongxiang, Y., & Steubing, B. (2022). Effects of the energy transition on environmental impacts of cobalt supply: A prospective life cycle assessment study on future supply of cobalt. *Journal of Industrial Ecology*.
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**van der Meide, M**. (2025). Hypothetical Extraction Method in Life Cycle Assessment: Method and uses.
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**van der Meide, M.**, Hu, M., Steubing, B., Tukker, A. (2025) Recovering sand and gravel from End-of-Life concrete: The global potential.
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**van der Meide, M.**, Hu, M., Steubing, B., Tukker, A. (2026) An analysis of the effects of changes in *Premise* databases on the environmental impacts of key products. *International Journal of Life Cycle Assessment*.
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## Other contributions

Xu, C., Steubing, B., Hu, M., Harpprecht, C., **van der Meide, M.**, Tukker, A. (2022) Future greenhouse gas emissions of automotive lithium-ion battery cell production *Resources, Conservation and Recycling*.
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