

Decolonial responsibility in engineering and design

Making “Colonial Risk” visible in Critical Raw Materials (CRM) for climate transitions

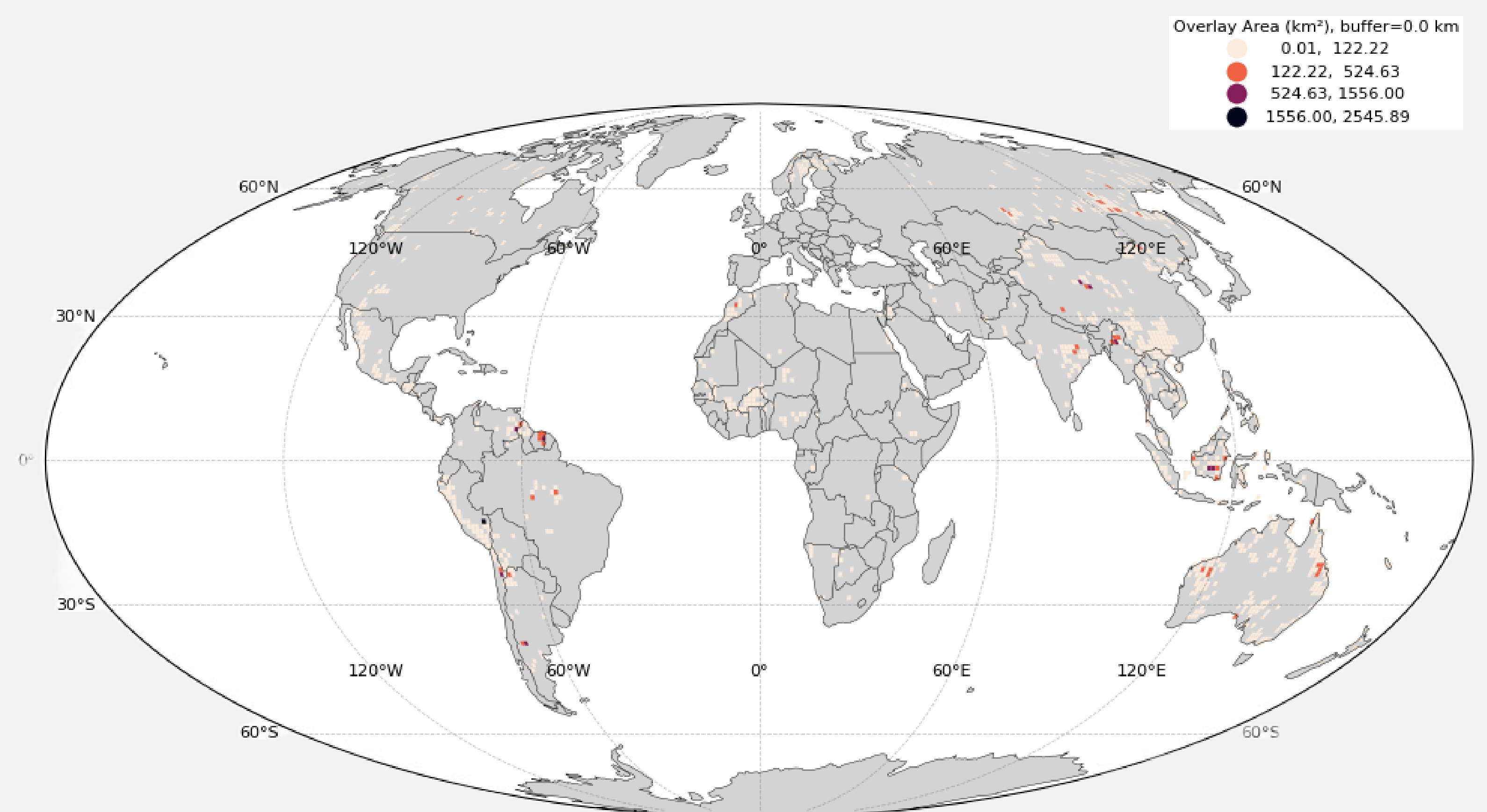


The project

- Estimates the moral risk of Europe acquiring Critical Raw Materials from indigenous land.
- Creates space at TUDelft for a meaningful engagement between technical researchers and decolonial grass-root organizations to discuss responsibility in engineering.

54%

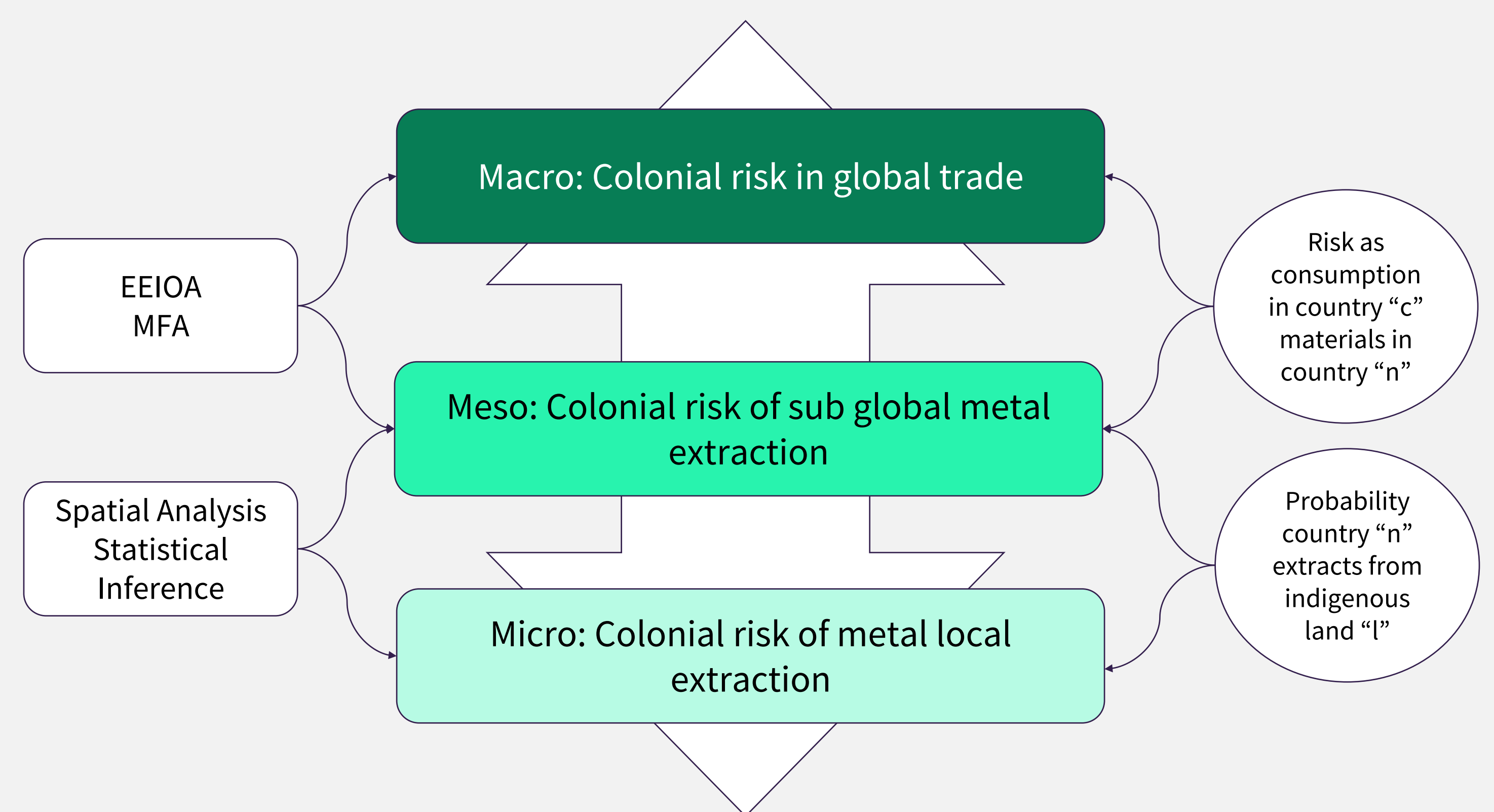
of projects extracting clean energy minerals overlaps with indigenous lands. (Owen et.al 2023)



The Decolonial responsibility of Engineering and Design

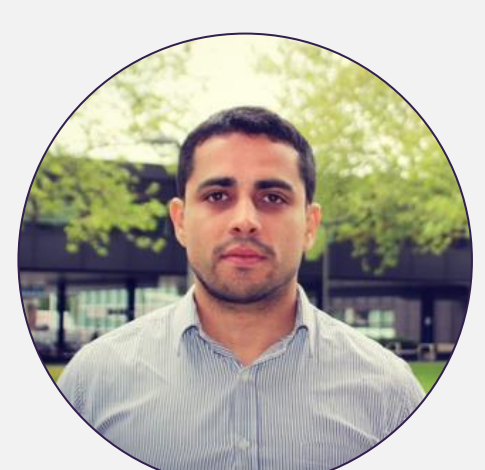
Engineers in the upstream of material value chains have a responsibility to make visible colonial risks in their sustainability assessments. Engineers downstream have the responsibility to transparently support the informed consent process for extracting materials, accepting the possibility that the outcome may be not extracting materials at all.

How to estimate the moral risk of Europe acquiring CRM from indigenous lands?



EEIOA: Environmentally-extended input-output analysis
MFA: Material Flow Analysis
Design: Florian Huber

What is next? Contact us and take part in upcoming rounds of dialogue to validate the colonial risk indicator and explore how your technical knowledge can contribute to enforcing Indigenous land and reparation rights.



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