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Declaration of AI aids and -tools

Have any AI-based aids or tools been used in the creation of this report?

☐ No

☒ Yes

If *yes*: please specify the aid/tool and area of use below.

Text

☒ **Spell checking**. Are parts of the text checked by:
Grammarly, Ginger, Grammarbot, LanguageTool, ProWritingAid, Sapling, Trinka.ai or similar tools?

☒ **Text generation**. Are parts of the text generated by:
ChatGPT, GrammarlyGO, Copy.AI, WordAi, WriteSonic, Jasper, Simplified, Rytr or similar tools?

☒ **Writing assistance**. Are one or more of the reports ideas or approach suggested by:
ChatGPT, Google Bard, Bing chat, YouChat or similar tools?

If *yes*, use of text aids/tools apply to this report - please specify usage here:

Throughout the report document, Grammarlys formatting sugggestions have been used to make already written text more readable and fix errors. ChatGPT has also been used to rewrite text in parts of the Introduction, frame filter and Discussion.

Codes and algorithms

☒ **Programming assistance**. Are parts of the codes/algorithms that i) appear directly in the report or ii) have been used to produce results such as figures, tables or numerical values been generated by: *GitHub Copilot, CodeGPT, Google Codey/Studio Bot, Replit Ghostwriter, Amazon CodeWhisperer, GPT Engineer, ChatGPT, Google Bard or similar tools?*

If *yes*, use of programming assistance aid/tools apply to this report - please specify usage here:

Github Copilot has been used while writing the code to generate suggestions, and automatically complete code being written. This includes code that appear directly in the report and code producing figures.

Images and figures

☐ **Image generation**. Are one or more of the reports images/figures generated by:
Midjourney, Jasper, WriteSonic, Stability AI, Dall-E or similar tools?

If *yes,* use of image generator aids/tools apply to this report – please specify usage here:

☐ **Other AI aids or tools**. Have you used other types of AI aids or -tools in the creation of this report?
If yes, please specify usage here:

☒ I am familiar with NTNU's regulations: *Submitting a report generated with the assistance of AI tools and claiming the work to be partially or fully my own, is not permitted. I therefore declare that any use of AI aids or tools are explicitly stated i) directly in the report or ii) in this declaration form.*

Martin Færevaag 01/06/24 Trondheim

Signature/Date/Place