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The  
University  
Of  
Sheffield.

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Sheffield, September 4, 2023

**RE: Improving nitrogen cycling in a land surface model (CLM5) to quantify soil N<sub>2</sub>O, NO and NH<sub>3</sub> emissions from enhanced rock weathering with croplands**

Dear Chris,

Thank you once more for managing the review of our manuscript. We have implemented the technical revisions and addressed the typo in L223, replaced 'trail' into 'trial' as well as rephrased 'IPCC 2021' to 'IPCC Sixth Assessment Report (AR6)', as suggested.

Your time and guidance throughout this process are appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Maria'.

Dr Maria Val Martin