

September 1<sup>st</sup>, 2022

To Geoscientific Model Development (GMD)

Dear Editor and Reviewers,

It is a great pleasure to submit a revised version of our manuscript entitled "Matrix representation of lateral soil movements: scaling and calibrating CE-DYNAM (v2) at a continental level". The first version was asked for modifications on July 26<sup>th</sup>, 2022.

We want to thank the Editor and the Reviewers for the comments and the time spent reading and evaluating our work. After carefully going through each suggestion, we decided to accept all of them. In our understanding, the new version of the article, with more accurate and succinct representations, has greatly improved compared to the past version.

On behalf of the other authors, I thank you again for your time and consideration. Please feel free to contact me during the revision process if necessary.

Yours sincerely,

Arthur Nicolaus Fendrich

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