



## Author Correction: Co-variation of silicate, carbonate and sulfide weathering drives CO<sub>2</sub> release with erosion

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In the version of the article initially published, a factor of 0.5 was accidentally dropped from equation (21), which has now been corrected to  $[\text{CO}_2]_{\text{mt}} = 0.5 \left( [\text{SO}_4^{2-}]^{\text{eq}} - [\text{Cat}]_{\text{sil}}^{\text{eq}} \right)$ . As a result of this correction, in the Abstract, “at least twice as fast” has been corrected to “about twice as fast” and, in the “Impacts for Earth’s carbon cycle” section, “this shift occurs at erosion rates of -0.3–0.8 mm yr<sup>-1</sup>” has been corrected to “this shift occurs at erosion rates of -0.3–1 mm yr<sup>-1</sup>.” Supplementary data are now available in the online version of the article. Additionally, Fig. 4, Extended Data Fig. 5 and Supplementary Figs. 4, 7 and 8 have all been updated. The original and revised figures can be seen in the Supplementary information accompanying this notice. These updates have been made to the HTML and PDF versions of the article.

Supplementary information is available in the online version of this amendment.

### Additional information

**Extended data** is available for this paper at <https://doi.org/10.1038/s41561-024-01426-0>.

**Supplementary information** The online version contains supplementary material available at <https://doi.org/10.1038/s41561-024-01426-0>.

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