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# Erratum: Quantifying the mechanisms of rain-triggered seismicity in karstic regions

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## KEYWORDS

karst, rain-triggered, seismicity, pore-pressure, diffusion

## An Erratum on Quantifying the mechanisms of rain-triggered seismicity in karstic regions

by Perrochet L, Preisig G and Valley B (2023). *Front. Earth Sci.* 11:1234856. doi: [10.3389/feart.2023.1234856](https://doi.org/10.3389/feart.2023.1234856)

Due to a production error, some text elements were incorrectly copyedited.

The following corrections have been made to the **Abstract**:

“This generates rapid and large variations in hydraulic head, possibly leading to large changes in pore pressure at seismogenic depth.”

“Results show that the pore pressure increase resulting from the crustal loading and poroelastic deformation is much smaller than the pore pressure increase resulting from a direct hydraulic connection and its diffusion towards depth over small distances.”

A correction has been made to Section 2 **Karst geology, triggering mechanisms, and conceptual model**, subsection 2.1 *Karst-specific features*, first paragraph:

“Mature karst systems consist in well developed channels of various morphologies within a relatively low permeable rock matrix, typically consisting of soluble rocks such as limestones, dolomites or evaporites.”

A correction has been made to Section 2 **Karst geology, triggering mechanisms, and conceptual model**, subsection 2.3 *Conceptual model*, first paragraph:

“[...] (iii) a delayed response due to fluid migration towards depth.”

The publisher apologizes for this mistake. The original version of this article has been updated.