

Interactive comment on “Space-time clustering of climate extremes amplify global climate impacts, leading to fat-tailed risk” by Luc Bonnafous and Upmanu Lall

Anonymous Referee #1

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1. General comments: A spatio-temporal clustering of global hydroclimatic extreme events is carried out to assess the additional exposure of different mining products to such events compared to that expected by chance. The clustering of hazardous extreme events across the Tropics and sub-Tropics synchronously with high climatic anomaly periods (El Nino for example) is useful information, despite being intuitive. The implications of this research are tremendous in overall climate risk analysis not only in mining but also for other commodities.

2. Specific comments: In section 4, implications of this analysis for other commodities (e.g. renewable energy production facilities) need to be addressed.

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3. Technical corrections: Please state the full forms before using abbreviated forms (CRU, SPEI etc.). Misplaced references often work against the flow of the paper (line 15 and such). The first table in the result section (line 8) needs a title and table number. Please correct the formatting of the table before publication.

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