

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2
<https://doi.org/10.5194/nhess-2021-331-RC2>, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on nhess-2021-331

Anonymous Referee #2

Referee comment on "Invited perspectives: how does climate change affect the risk of natural hazards? Challenges and step changes from the reinsurance perspective" by Anja T. Rädler, Nat. Hazards Earth Syst. Sci. Discuss.,
<https://doi.org/10.5194/nhess-2021-331-RC2>, 2021

The Paper by Anja Rädler deals with a very interesting and relevant topic. Reinsurers are affected by extreme events in a relevant part of their core business, i.e. covering the risks of natural disasters. They need to know these risks as best as possible to be able to calculate risk adequate premiums. Climate change increasingly changes such risks. Anja Rädler describes very well in the paper how the reinsurers deal with this problem. She also describes how changes of risks caused by natural cycles like ENSO also go into such model adaptation processes. Anja Rädler also describes that this kind of research of climate change effects is not a one-way road as the scientists working in the insurance industry also provide additional knowledge to the rest of the scientific community, like with her project on changes in the risks of convective events.

Specific technical comments:

Some language editing is still necessary

Lines 4 and 5: The sentences should be changed in "Other drivers are changes in the frequency or intensity of natural hazards in the recent past and in the near future. In this contribution the focus will be on the latter driver."

Line 34: here also already (is only done later in the paper) some reference should be made to the most recent AR6.

Line 32: Exposure of "infrastructure" should be also mentioned.

Paragraph around line 45: an example of natural variability should be given here.

Paragraph around line 90: This should be rewritten as it is very unclear now.

Lines 110-111: There should be some discussion what a precise forecast of flood risks means for the insurability. One precondition for insurability is that a loss event cannot be foreseen in terms of time and place.

Line 128: ...in order to be able to substantiate...

Line 129: pubic -> public

Line 139: ...trends of the frequency of convective hazards have been...