

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2
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Comment on nhess-2021-321

Francesca Di Giuseppe (Referee)

Referee comment on "Brief communication: Key papers of 20 years in *Natural Hazards and Earth System Sciences*" by Animesh K. Gain et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-321-RC2>, 2021

Review: Brief Communication: Key papers of 20 years in Natural Hazards and 2 Earth System Sciences

By: Gain et al

The paper looks back at the first 20 years of NHESS activity and to the achievements in the scientific exploration of natural hazard understanding and prediction which the journal contributed to.

The paper has an introduction summarising the topics covered by NHESS and highlights its growth into the scientific community. Then it goes on to identify 11 papers to represent the vast inter disciplinary nature of the journal. The chosen 11 papers are summarised in more details and, given the different aspects they touch, they collectively provide a very nice overview of how natural hazard science have evolved during this time span.

I really enjoyed reading the summary of the key papers and I think so will do the readers. I therefore support this initiative and I have only one main suggestion for the introduction section an few minor comments/corrections for the second part.

I think the world cloud pic, that is only drawn from the key eleven paper, is a bit reductive of the broad spectrum of articles published in NHES. I would suggest to either use the title of all the published articles in these first 20 years, or, if this is too laborious, maybe add a table which reports the number of papers that were produced in each of the 10 thematic subjects covered by the journal.

It is also interesting to understand changes over time. From the discussion it emerges that topics related to the perception of natural risk and human distress has only relatively recently been addressed by the NHES community. It would be very interesting to see if there is an emergence in topics related to societal impact, outreach and education in the last period.

Minor suggestions:

L25: remove innovative

L 49 IPCC Assessment Report: add citation

L 55 "was one of the initial contributions" repeated sentence

L62 : "and its capacity..." something is missing here

L67 adjustment at household level

L74-75: This sentence should be reworded as it is not very clear

L 78 way of living

L 79 remove "definitely". Later on, I think you mean "inundation map" no
"flood maps"

L88 "However we should also mention" I would attach to the other
sentence and say "so much so that many new approaches have been
developed" The sentence now reads almost as a caveat and
shouldn't.

L 247 I don't like "serious game" maybe educational game ?

L 270 "squalls" I think should be "squall lines"

L271: "generated through" --> for