

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2 https://doi.org/10.5194/nhess-2022-104-RC2, 2022 © Author(s) 2022. This work is distributed under the Creative Commons Attribution 4.0 License.

## Comment on nhess-2022-104

Anonymous Referee #2

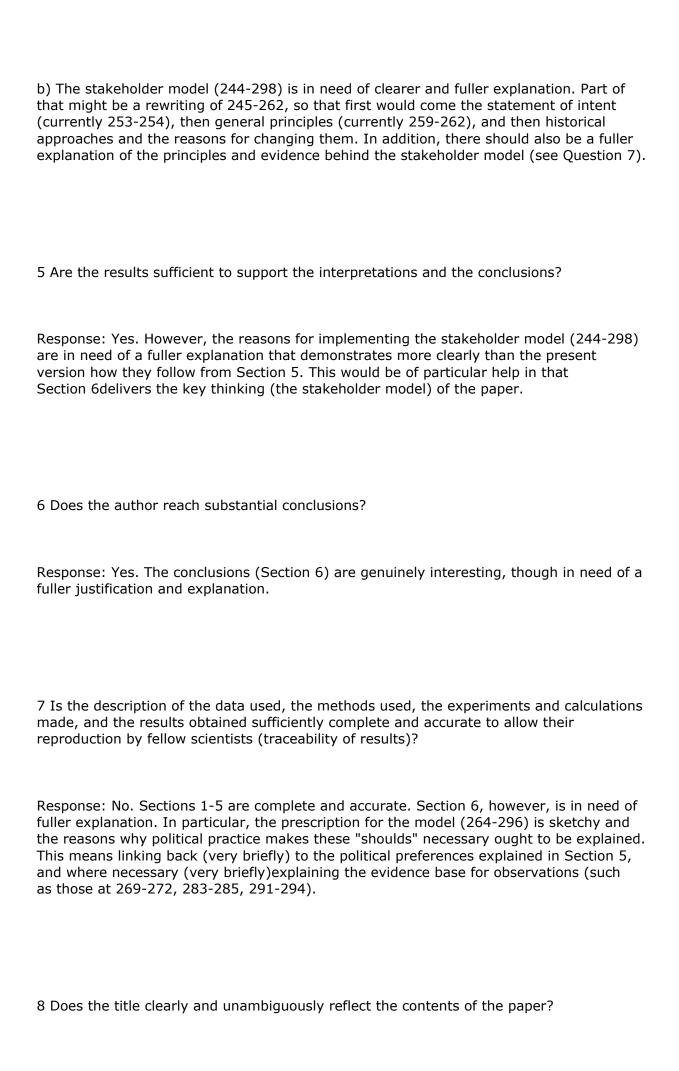
Referee comment on "Invited perspectives: Managed realignment as a solution to mitigate coastal flood risks – optimizing success through knowledge co-production" by Mark Schuerch et al., Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2022-104-RC2, 2022

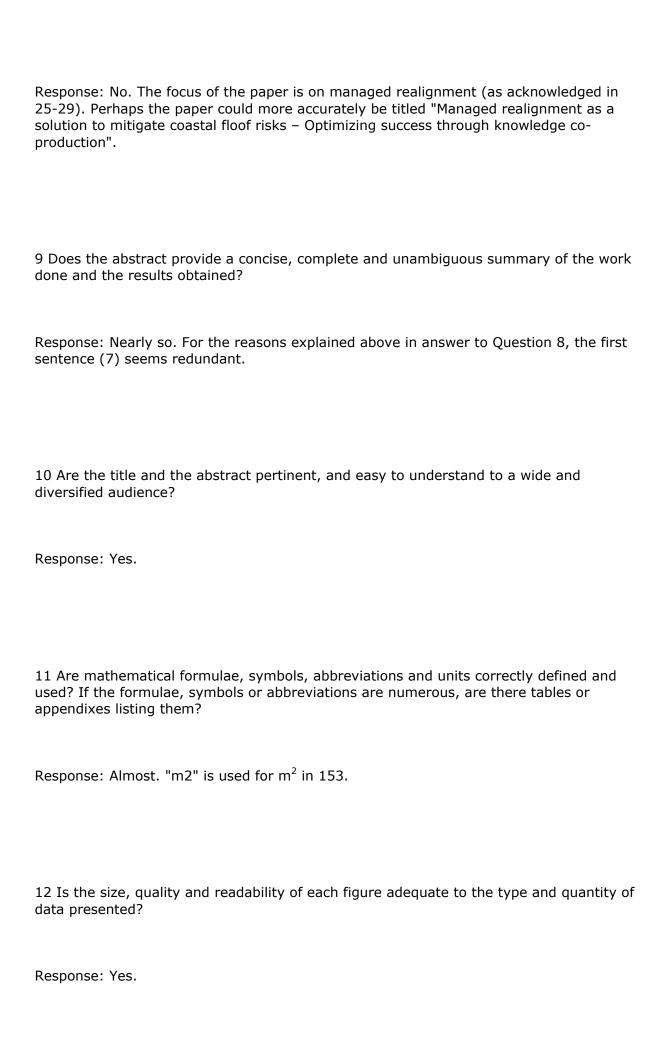
Referee report
You ask a number of questions under your review criteria. I will deal with them in numbered order below.
1 Does the paper address relevant scientific and/or technical questions within the scope of NHESS?
Response: Yes. The paper clearly complies with the criteria set out in your journal's "Aims and scope" explanation.

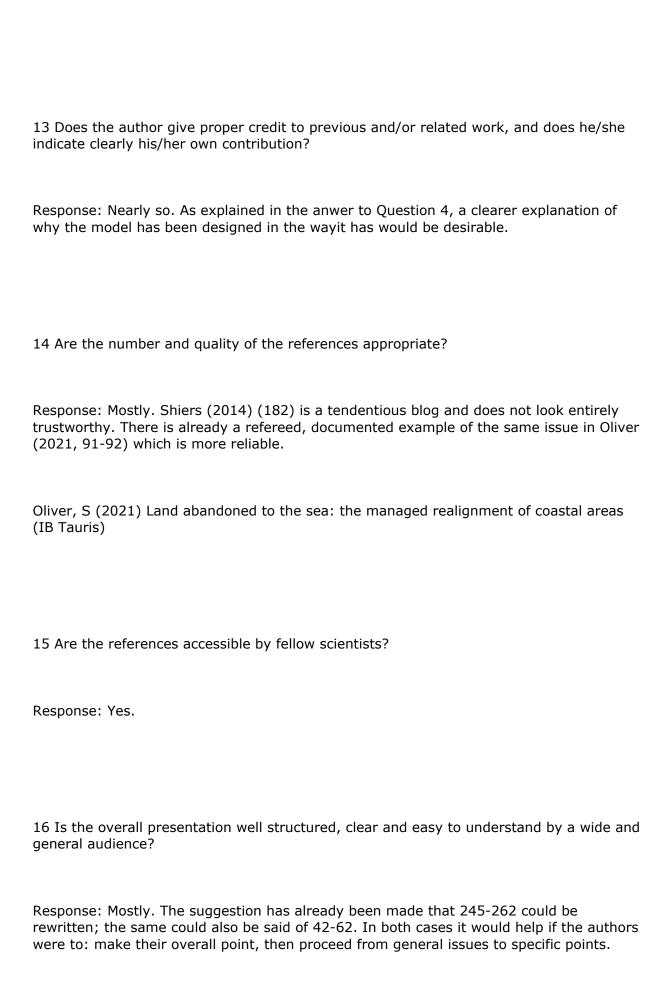
2 Does the paper present new data and/or novel concepts, ideas, tools, methods or results?

Response: Yes. The paper presents an effective review of managed realignment (Sections 2 to 4). Introduced by Section 5, Section 6 (244-298) sets out a stakeholder

approach to managed realignment; this approach is to be commended though, as set out below (Question 18), is in need of attention.
3 Are these up to international standards?
Response: No.
a) The opening explanatory sentence ("Scenario building change mitigation", 249-250) reads like the beginning of a review of the literature. It would help if there were a brief explanation (perhaps a couple of sentences) that would link the introductory remarks given in Section 5 to the model's presentation in Section 6 by outlining the sources beyond Tompkins (2008) that inform the approach on which the model is based, with reference to a few of the key sources.
b) The justification given for the approach is currently in Section 6. This is that "In reality, scientific enquiry is subjective" (254-255). While this is entirely plausible and follows from the discussion in 209-216, it needs greater justification than a half sentence. Some brief reference here might be given to post-positivist theory and its explanation of scientific knowledge as situated, in particular reference might be made to a source such as Foucault (1970). This sentence seems to be better suited to the discussion on participative processes in Section 5 (maybe around 216?).
Foucault, M (1970) The order of things (Tavistock)
4 Are the scientific methods and assumptions valid and outlined clearly?
Response: No.
a) The explanation of science and engagement (42-62) is confused and currently switches from issue to issue and then back. This section could be rewritten giving: first the scientific problems, second the engagement problems.







17 Is the length of the paper adequate, too long or too short?
Response: Too short. Section 6 needs expanding in order to address the comments made above, perhaps to half as long again as its current length.
18 Is there any part of the paper (title, abstract, main text, formulae, symbols, figures and their captions, tables, list of references, appendixes) that needs to be clarified, reduced, added, combined, or eliminated?
Response: Yes. 42-62 (rewritten) and Section 6 (expanded).
19 Is the technical language precise and understandable by fellow scientists?  Response: Yes.
20 Is the English language of good quality, fluent, simple and easy to read and
understand by a wide and diversified audience?  Response: Mostly. There are a few errors: "Avgerage" and "Scheme_Typ" (diagram, following 36), "ca. 3000" (128), "modelling on" (132), "m2" (153, four times), single
inverted commas (170), "to considerably vary" (169), "6" (299).
21 Is the amount and quality of supplementary material (if any) appropriate?

Response:	Not	applicable.

Ends.