

Reply to comments from Reviewer #1

We appreciate the suggestions for clear language and appropriate expression, which have indeed further improved the presentation quality of this manuscript. Please see below for point-by-point responses. In the reply, comments are quoted in *italics*, and our responses are interleaved in regular font. In addition, line numbers, sections, figures, tables or supplementary materials indicated herein refer to the revised version of manuscript, and they are **marked green** when pointing out the location of specific modifications in the revised manuscript.

This extensive revision of the manuscript addresses the key issues in the first version. The author(s) should address the following points before publication:

-The language of the manuscript has been much improved but would still benefit from further review for clarity and correct use of language. In particular, the manuscript still uses some erroneous phrases (e.g. “river cutoff” in line 390) that won’t be detected automatically but that don’t quite make sense in English.

Response: Thanks for pointing out these erroneous phrases. We have checked the manuscript and modified “river cutoff” to “rivers cease to flow” or “the cessation of river flow” according to the context in **line 390**, **Table 1**, and **supplementary materials B, C, and D**.

-In line 187, the meaning of the following sentence—and thus the authors’ response to the challenge of rapidly changing social conditions within the time-period under study— remains unclear: “This hints at the need for developing selection criteria segmentally.”

Response: This unclear sentence has been modified to “The rapid improvement in social conditions and increasingly visible results of climate change distinguish the post-1945 period from earlier time periods under study.” Please see **line 187** for details.

-The language of the manuscript needs to reflect the limitations of the available documentary record. In particular, for the earlier period of events, absence of evidence does not constitute conclusive evidence of absence. For example, on lines 371-372, the sentence “Private sector was the only actor not acting in

this event” should be something like “The available documentary record provides evidence of responses from all categories of actors except the private sector.”

Response: We fully agree that it is necessary to reflect the limitations of the available documentary record. Accordingly, the statement regarding private sector has been modified to “Private sector was the only actor that the available documentary records did not provide evidence of responses” (lines 371-372). In addition, we have specifically rechecked the content related to the earlier period of events and made a modification to lines 434-435 as follows: “There were only two production-level responses mentioned in the available documentary records...”

-In lines 413-414, “was also limited by the burdens of the First World War” makes it seem that the war was still ongoing. Perhaps it would be better to say that “the economy and state were burdened by the damage of the First World War as well as post-war debt and reparations payments.”

Response: Many thanks for the suggestion. We have changed the statement to “At the time, the country had benefited from the technological progress of the Industrial Revolution, but its economy and state were burdened by the damage of the First World War as well as post-war debt and reparations payments...” Please see lines 412-415 for details.

-In line 450, the meaning of the phrase “with only one sixth of such dry conditions accompanied by heatwaves” is unclear.

Response: The unclear phrase has been modified to “Of the seven seasons, six were identified as abnormal dry seasons, only one of which was accompanied by heatwaves...” (lines 451-452).

-Section 5.2 should mention the possibility that the greater availability of evidence since the 20th century contributes to the great number and variety of recorded impacts and responses, even if the authors do not believe this is the principal reason for the growth and diversification of recorded impacts and responses.

Response: Many thanks for the suggestion. Additional statement about the changing availability of evidence has been added to [lines 607-609](#) as follows: “In addition to the greater availability of documentary evidence since the 20th century, such changes may also be attributed to two causes, namely increasingly complicated economic sectors and changing social concerns.”