

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1
<https://doi.org/10.5194/nhess-2021-307-RC1>, 2021
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Comment on nhess-2021-307

Lorenzo Alfieri (Referee)

Referee comment on "Brief communication: Western Europe flood in 2021 – mapping agriculture flood exposure from synthetic aperture radar (SAR)" by Kang He et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-307-RC1>, 2021

The work presented in this Brief communication includes a concise yet accurate description of the West European flood 2021 and several features on the inundation extent, particularly in agricultural areas. Information that is to date scarcely available. Although it brings limited research novelties, the contribution is timely. Another important point is that it comes with an extensive dataset of satellite derived inundation extent both in georeferences tiff and as images. I'm in favor of publication provided that the following comments are adequately addressed:

Figure 1: Please make country borders thicker. Now they are difficult to see

Figure 2: I suggest enlarging the 4 panels on the left and reducing the one on the right. The inundation extent is more informative than the overview map.

L 83: I suggest avoiding nested parentheses “))”

L 92: “the Netherlands” I think

L109-110: This is a sentence for an Abstract or Introduction, rather than for Closing remarks

I think that the information in Figure 3 is already included with more details in Figure 4. I suggest deleting Figure 3.

