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Reply on CC2

Florian Pappenberger et al.

Author comment on "Invited perspectives: The ECMWF strategy 2021–2030 challenges in the area of natural hazards" by Florian Pappenberger et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2021-33-AC3>, 2021

Great points Chloe – Heat stress is an important topic and a huge challenge. However, the more immediate focus at ECMWF is to improve inputs on heat stress indicators such as the UTCI. Extreme temperature anomaly is only one factor in this. It is correct that we do not directly address thermal impact and that is only addressed indirectly. I feel that improving inputs to heat stress indicators is already an ambitious goal. The sensitivity to the different inputs for heat indicators will be part of resource distribution in efforts.

A Global Heat Awareness System would be great. There are some significant efforts in Copernicus@ECMWF (i.e.) but more can be done. We will need partners to achieve that.