Hydrol. Earth Syst. Sci. Discuss.,
https://doi.org/10.5194/hess-2020-458-AC3, 2020

Hydrology and Earth System Sciences
Discussions

Interactive comment on "Streamflow drought: implication of drought definitions and its application for drought forecasting" *by* Samuel J. Sutanto et al.

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Attached, we provide a summary of the author's response to reviewer 1 and reviewer 2. In general, both reviewers are concerned about the methodology used in our manuscript and the unbalance in results between historic analyses and forecast. Here, we will provide a detailed author's response only for some important remarks that were raised during the review process, including some new results. We already provide some concrete results that we promised in the reply to reviewers. Please consult the previous author's response addressed to the individual reviewer for detailed information on the reply. Figures are also attached below for better readability.

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Please also note the supplement to this comment:
https://hess.copernicus.org/preprints/hess-2020-458/hess-2020-458-AC3-supplement.pdf

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Fig. 1. Drought occurrences in European rivers

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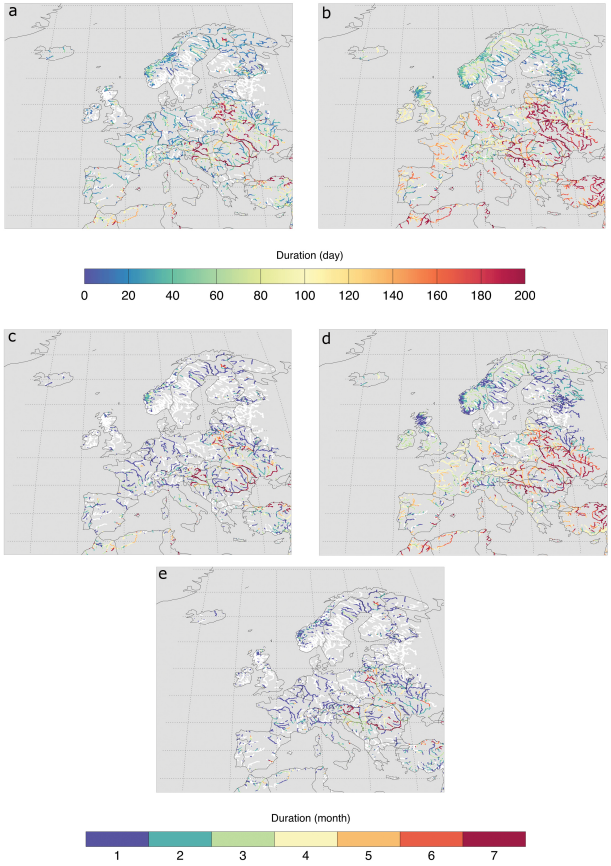

Fig. 2. Forecasted average duration of drought events

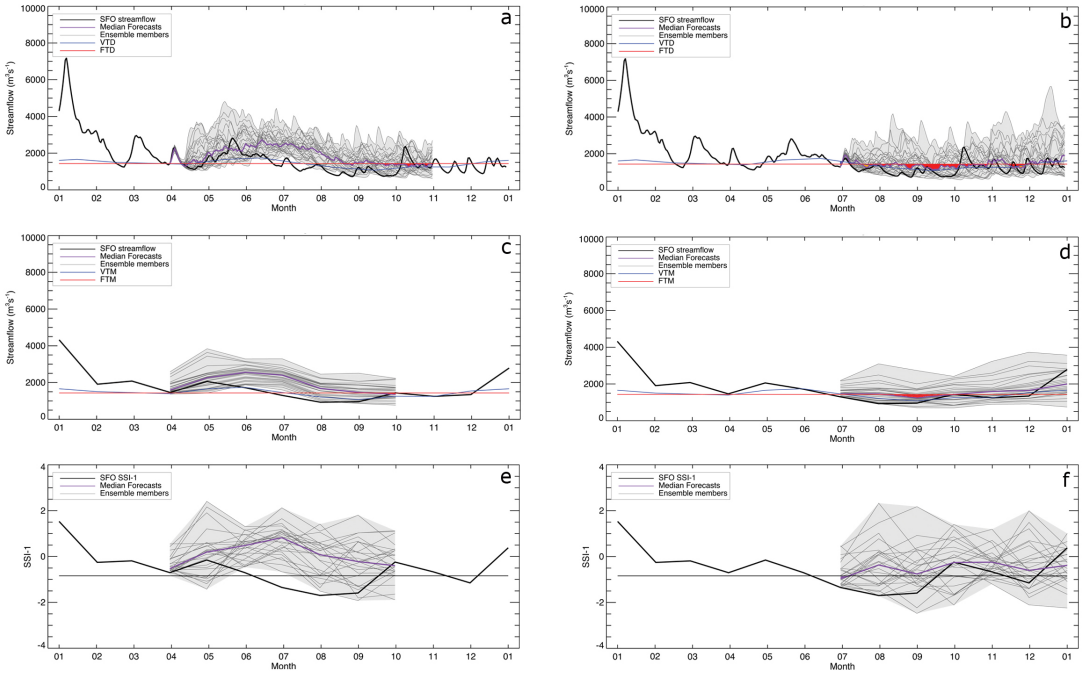

Fig. 3. Observed (SFO) and forecasted streamflow for 25 ensemble members and median streamflow in the Rhine River

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