

# Review of: "Analysis of climatic parameters in the upper Awash River basin of Ethiopia"

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**Potential competing interests:** No potential competing interests to declare.

I think the analysis in this manuscript is valuable, the original database used for the analysis and the observed facts revealed in this manuscript are quite precious, which could help advance our understandings on the localized features of climate change in Ethiopia. However, I think that the analysis in this manuscript could be furthermore improved, and in-depth investigation is needed to distill the highlights of the scientific findings. The critical problems as the followings:

- 1) the original recorded climatic observation datasets had been calibrated or not? I wonder why there is the conclusion like: 'Analysis of pooled and individual stations' CGS maximum and minimum temperatures portrayed a positive and increasing trend, with a magnitude of 0.052°C and 0.001°C/year respectively, which are highly significant.'? It is hard for me to understand why the difference of warming trend for maximum and minimum temperatures is so big?
- 2) I feel that the relations of temperature and rainfall variations and the crop yield variations are very weak from the results shown in this manuscript, it is hard for me to understand the explanation on these relations, could the author furthermore synthesize these relationships?
- 3) There is a modality problem that the title of this manuscript is for 'climate parameters', while in the context there are some analysis on the relationship of climate change and crop production, so the title of this manuscript should be adjusted?