

Interactive comment on “Monitoring ephemeral, intermittent and perennial streamflow: A data set from 182 sites in the Attert catchment, Luxembourg” by Nils H. Kaplan et al.

Anonymous Referee #2

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General comments

While this is registered as a research article, it is in fact a dataset of stream flow presence/absence. The dataset comprises three text files with data series of stream flow presence/absence, measured with three different methods (monitored by time-lapse cameras, by EC-sensors and by conventional gauges). There is also a shape-file with the measurements sites, also containing attribute data for each catchment. The data files and the methodology are described in a PDF file with metadata. My first thought is that I applaud the idea of publishing such a data set. The science community know little about small-scale streams/ephemeral/intermittent streams and field measurements

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are often time consuming and costly. While we often use models to advance our understanding of the hydrology field datasets are necessary to validate models. This dataset therefore fills an important function and I believe the dataset should be published.

Specific comments

Timeseries

I don't have any comments on the three text files with time-series data. I found the files well organized and easy to understand, given the information in the PDF metadata file.

Geodata

When it comes to the geodata I have some questions regarding the description of the file. The file contains catchment area (c_area). I'm missing the unit. m², ha, sq feet? How was it calculated? Using a DEM? Is it possible to also share the catchment boundaries? I always find that that helps with the overview and understanding of a dataset, in a much more intuitive way than attributes in a point-file. slope_avg; I'd like a more thorough description in the pdf of the average slope, average of what? How was slope calculated? Based on a DEM, what resolution? In radians or degrees?

Other than the clarification of c_area and slope_avg I don't have comments on the dataset and I believe the dataset should be published.

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