

Earth Syst. Sci. Data Discuss., referee comment RC1
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Comment on essd-2021-8

Anonymous Referee #1

Referee comment on "The Bellinge data set: open data and models for community-wide urban drainage systems research" by Agnethe Nedergaard Pedersen et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-8-RC1>, 2021

It is quite necessary and important to develop an open data and models of urban drainage systems for both academia and industry. We indeed need a data set with good quality, close to reality for modelling, analyzing, comparing performance in different control and optimization methods, etc. This work solves the problem very well.

The data and models cover a real area in Denmark, consists of up to 10-year observations for important measurements in need. Models are presented in both MU and SWMM, the most popular simulation platform, which add usability and accessibility for the potential users.

The manuscript and files in terms of data and models are organized in a good manner. Just very few comments about some confusing places:

Manuscript:

Line 215: "A 1 min temporal resolution applies to..." maybe better in "A 1-minute temporal resolution is applied to..."; "2 min" maybe better in "2-minute"?

Line 365: "10 m" maybe better in "10-meter"

Assetdata.pdf

It is nice that some important variables have been translated into English, which indeed increase its readability.

In the row of **NetworkCat**, there appeared "?", what does that mean? Is it possible to put the real translation here?

In the row of **StatusCode**, the 7, 8, 50 of K_STATUS failed to be translated, will that be a problem for the readers?

G71F04R_Level1_System2000p2_proc_v6.xls

"ffill" means "fill", is it necessary to modify?

CatchmentDescription.pdf is it possible to give an explanation about meaning of **standard** and **Other**, how to define them, is it possible to provide more information about them?