

# ***Interactive comment on* “Climate change, re-/afforestation, and urbanisation impacts on evapotranspiration and streamflow in Europe” by Adriaan J. Teuling et al.**

**Adriaan J. Teuling et al.**

ryan.teuling@wur.nl

Received and published: 14 March 2019

We thank the reviewer for providing a detailed and constructive review. We are happy to see that most comments are in line with comments provided by other reviewers. As one of the main comments, the reviewer questions the high value for  $w^*$ . Given the PET estimates used, this value is needed to ensure all observations fall within the water- and energy limits of the Budyko space. In a revised version, we will likely switch to CRU PET, which will also slightly change the location and scaling in Fig. 1. However a scaling will still be needed since many recharge observations for forest are higher than local PET. The value should be interpreted as a conversion to the maximum ET that

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would occur if the land use is (coniferous) forest. It has no impact on estimates for low vegetation since the estimate of actual ET is made on the combination of aPET and  $w^*$ , which effectively cancels out the correction. We also agree with the suggestion to put more emphasis on the difference between positive and negative contribution rather than the net effect.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-634>, 2019.

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