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

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We have looked into the use of CRU PET, and the values we find for the Iberian Peninsula (up to 1300 mm/y, see Fig. 1 which can be compared to our Fig. 2c) are closer to the values expected by the reviewer. This should solve some of the comments on our use of PET. However in spite of the higher PET values in Southern Europe, we will still need to apply a correction factor to local ET because some of the in situ measurements of ET at forested sites (Plynlimon, Castricum) have values that exceed the local PET. Allowing observations to fall outside the Budyko water and energy limits will lead to an underestimation of the true effect of changes in forest cover, which we want to avoid.

We are happy to hear if the reviewer agrees with the proposed use of CRU PET, which we can readily implement.

Fig. 1. Distribution of long-term average CRU PET for comparison with Fig. 2a.