

# ***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 thank Fleur Verwaal for her constructive comments. This is very much appreciated. As noted in the response to another reviewer, we will switch to a different PET formulation in a revised version. This should solve many of the issues raised. Concerning the lysimeter stations: unfortunately not many more stations exist, in particular not in North and South Europe. We use the Budyko model to interpolate and extrapolate using observed climate forcing. It should be noted that our lysimeter observations do span much of the European climate space, and that the exact value of the Budyko parameter impacts the results to a much smaller extent in strongly water-limited regions (since

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all water will evaporate independent on land use). Concerning the temporal scale, we feel that our use of the word "generally" has been misleading. In fact we did not find any behavior in the intermediate periods that differed from the general trend/difference over the longer period. We will rephrase this sentence in a revised version to avoid confusion.

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