

Interactive comment on “Improving the complementary methods to estimate evapotranspiration under diverse climatic and physical conditions” by F. M. Anayah and J. J. Kaluarachchi

Anonymous Referee #2

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This paper evaluates three existing complementary methods compared with EC observations, identifies the major model components contributing to predicting ET. Then, a universal model, which is calibration-free, is proposed to predict ET independent of land cover/use. This research is quite comprehensive and interesting.

The proposed GG18 model shown in Fig 7 has the best performance compared with other combinations of components. The empirical equation for computing G_i is very important for the method. More discussion on this equation is necessary, particularly

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when it is combined with equations (1) and (7).

Lines 18-19 on page 13611 “Overall, GG22 has the lowest median and average values of RMSE that are 16.20 and 20.23mm month⁻¹, respectively.” It is good to mention the uncertainty of EC observation compared with RMSE.

Table 6 compares the GG18 and recently published ET studies. The GG18 performance can also be compared with the original CRAE and AA model shown in Table 2.

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