

**“Comparing the Ensemble and Extended Kalman Filters for in situ soil moisture assimilation with contrasting conditions”**

**by D. Fairbairn et al.**

**Cover letter to the editor**

02 December 2016.

Dear Dr. Alberto Guadagnini,

We have made the following minor corrections that were suggested by the referee:

- Replaced "linear CDF-matching" with "linear rescaling" throughout.
- Stated in Sec. 2.4 that the synthetic experiments do not use ensemble bias correction
- Line 296: Replaced "observation error" with "observation error standard deviation"
- Line 663: Replaced 2D-EnKF with 3D-EnKF

Yours sincerely,

JC Calvet, D. Fairbairn.