

Response to Anonymous Referee #2's interactive comment on "Multi-scale analysis of bias correction of soil moisture"

[R2] The paper presents an innovative approach for mitigating temporal multi-scale biases between data measured with different supports. As the authors suggested in their conclusive remarks, it would be very interesting to see the impact of the proposed method in applications such as data assimilation. I fully support the comments of referee #1, however, have no additional comments to add. Therefore, I would also recommend the paper for publication, provided that the comments of referee #1 are acknowledged.

[A] We thank the referee for the examination and positive endorsement of our manuscript. Please refer to our response to Referee #1.

[R2] Just one minor typing error: P9005, L.15: The j in the subscript of $\alpha_{p,j}$ should be j'?

[A] This error can now be corrected, and reads "... $\alpha_{p,j} \neq \alpha_{p,j'}$ for $j \neq j'$...".