

Terms and Conditions for use of Soil Moisture CCI datasets from the CCI Open Data Portal

The CCI datasets held on the CCI Open Data Portal may be used by any user for any purpose, with the following terms and conditions:

- 1) Users of the CCI data **are required to acknowledge** the ESA Climate Change Initiative and the Soil Moisture CCI project together with the individual data providers if the data are used in a presentation or publication. Please also **cite any relevant dataset DOIs**. (See example citation text below).
- 2) Users of the CCI data are **encouraged to interact with the CCI programme** on use of the products, and to provide a copy of all reports and publications using the dataset. An offer of co-authorship should be considered, if the CCI data constitute a major component of a scientific publication.
- 3) **Intellectual property rights** (IPR) in the CCI data lie with the researchers and organisations producing the data.
- 4) **Liability**: No warranty is given as to the quality or the accuracy of the CCI data or its suitability for any use. All implied conditions relating to the quality or suitability of the information, and all liabilities arising from the supply of the information (including any liability arising in negligence) are excluded to the fullest extent permitted by law.

Citation information:

The datasets should be cited using the references listed below.

For versions 4.x: please cite all three of the following references:

1. Gruber, A., Scanlon, T., van der Schalie, R., Wagner, W., and Dorigo, W. (2019). Evolution of the ESA CCI Soil Moisture climate data records and their underlying merging methodology, *Earth Syst. Sci. Data*, 11, 717–739, <https://doi.org/10.5194/essd-11-717-2019>
2. Dorigo, W.A., Wagner, W., Albergel, C., Albrecht, F., Balsamo, G., Brocca, L., Chung, D., Ertl, M., Forkel, M., Gruber, A., Haas, E., Hamer, D. P. Hirschi, M., Ikonen, J., De Jeu, R. Kidd, R. Lahoz, W., Liu, Y.Y., Miralles, D., Lecomte, P. (2017). ESA CCI Soil Moisture for improved Earth system understanding: State-of-the art and future directions. In *Remote Sensing of Environment*, 2017, ISSN 0034-4257, <https://doi.org/10.1016/j.rse.2017.07.001>
3. Gruber, A., Dorigo, W. A., Crow, W., Wagner W. (2017). Triple Collocation-Based Merging of Satellite Soil Moisture Retrievals. *IEEE Transactions on Geoscience and Remote Sensing*. PP. 1-13. 10.1109/TGRS.2017.2734070

For version 3.2 and 3.3: please cite all three of the following references:

- 1) Dorigo, W.A., Wagner, W., Albergel, C., Albrecht, F., Balsamo, G., Brocca, L., Chung, D., Ertl, M., Forkel, M., Gruber, A., Haas, E., Hamer, D. P. Hirschi, M., Ikonen, J., De Jeu, R. Kidd, R. Lahoz, W., Liu, Y.Y., Miralles, D., Lecomte, P. (2017). ESA CCI Soil Moisture for improved Earth system

understanding: State-of-the art and future directions. In *Remote Sensing of Environment*, 2017, ISSN 0034-4257, <https://doi.org/10.1016/j.rse.2017.07.001>.

2) Gruber, A., Dorigo, W. A., Crow, W., Wagner W. (2017). Triple Collocation-Based Merging of Satellite Soil Moisture Retrievals. *IEEE Transactions on Geoscience and Remote Sensing*. PP. 1-13. 10.1109/TGRS.2017.2734070.

3) Liu, Y.Y., Dorigo, W.A., Parinussa, R.M., de Jeu, R.A.M. , Wagner, W., McCabe, M.F., Evans, J.P., van Dijk, A.I.J.M. (2012). Trend-preserving blending of passive and active microwave soil moisture retrievals, *Remote Sensing of Environment*, 123, 280-297, doi: 10.1016/j.rse.2012.03.014.

For Version 2.1 and Versions 2.2: please cite all three of the following references:

1) Y. Liu, R. Parinussa, W. Dorigo, et al. (2011) "Developing an improved soil moisture dataset by blending passive and active microwave satellite-based retrievals", *Hydrology and Earth System Sciences*, 15 (2011), 425 - 436

2) Liu, Y. Y., W. A. Dorigo, et al. (2012). 'Trend-preserving blending of passive and active microwave soil moisture retrievals'. *Remote Sensing of Environment* 123: 280-297.

3) Wagner, W., W. Dorigo, R. de Jeu, D. Fernandez, J. Benveniste, E. Haas, M. Ertl (2012). 'Fusion of active and passive microwave observations to create an Essential Climate Variable data record on soil moisture'. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Volume I-7, 2012. XXII ISPRS Congress, 25 August - 01 September 2012, Melbourne, Australia