Supplement of SOIL, 5, 121–135, 2019
https://doi.org/10.5194/soil-5-121-2019-supplement

SOIL Open Access EGU

Supplement of

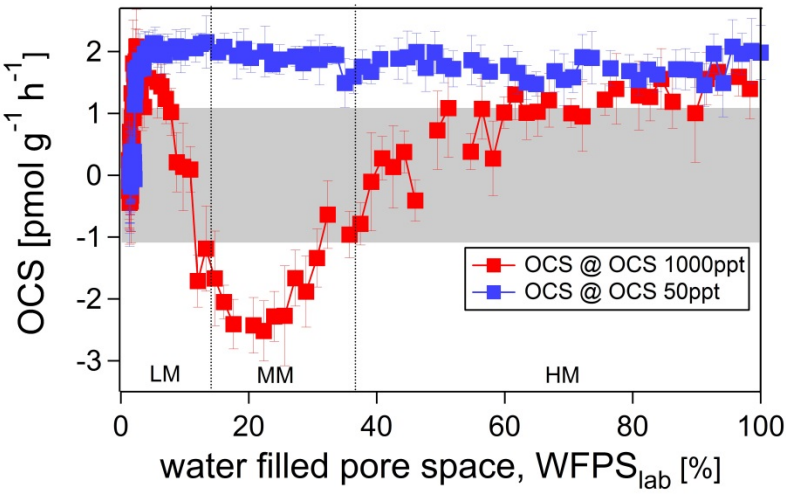
Microbial community responses determine how soil–atmosphere exchange of carbonyl sulfide, carbon monoxide, and nitric oxide responds to soil moisture

Thomas Behrendt et al.

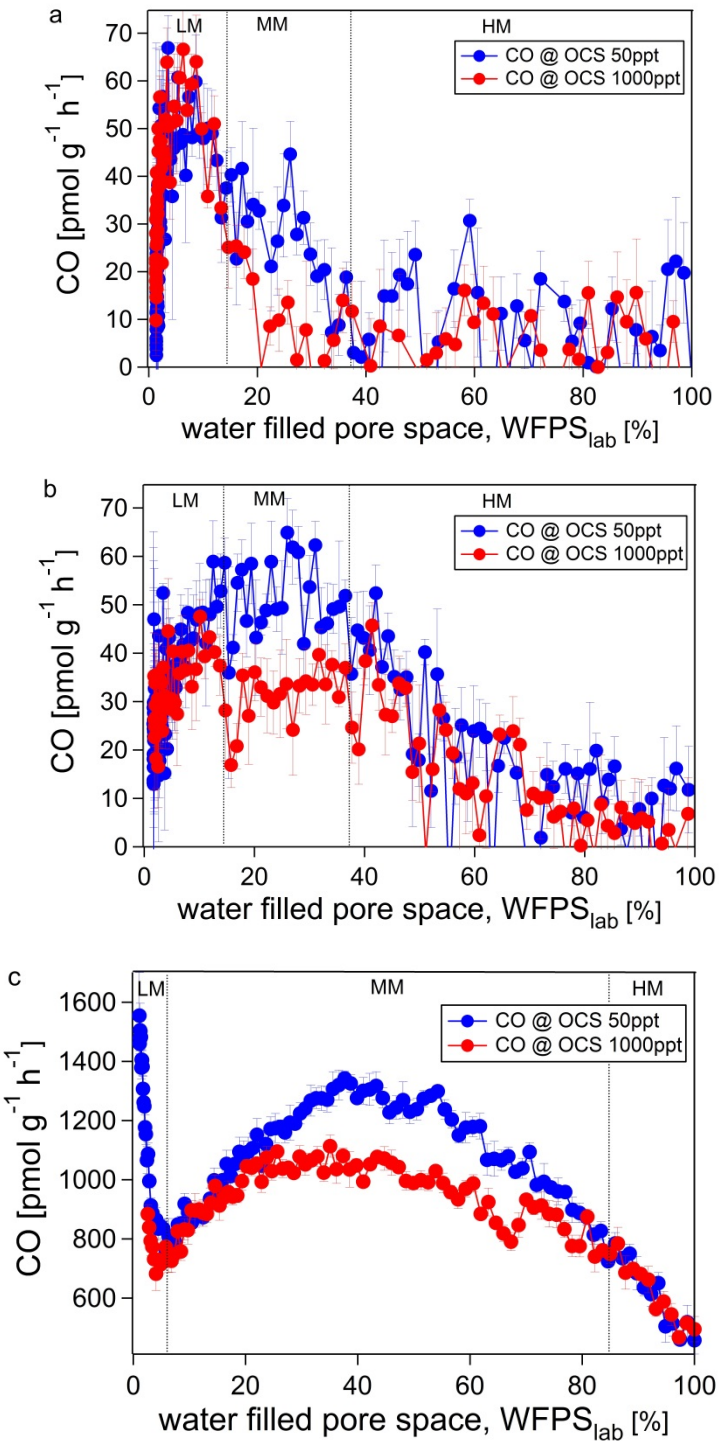
Correspondence to: Thomas Behrendt (tbehr@bgc-jena.mpg.de)

Supporting information

Additional Figures



S. 1 OCS exchange rates at OCS mixing ratio of 50 ppt (blue) and 1000 ppt OCS (red) are shown for the A1 soil sample from a mid-latitude corn field, Mainz, Germany, data are adapted from Bunk et al., submitted. Grey area represents threshold 1.09 to -1.09 pmol g^{-1} h^{-1} where no significant OCS exchange could be detected. LM, MM and HM indicate low, medium and high moisture range, respectively.



S. 2 CO exchange under different OCS fumigation for Mainz fresh (a), Mainz dry (b), and Waldstein spruce (c)