Dr. Ulrike Hagemann

Publikationsliste (Stand: 10.07.2022)

Begutachtete Publikationen

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2022 Maier, M., Weber, T. K. D., Fiedler, J., Fuß, R., Glatzel, S., Huth, V., Jordan, S., Jurasinsiki, G., Kutzbach, L., Schäfer, K., Weymann, D., Hagemann, U. Introduction of a guideline for measurements of greenhouse gas fluxes from soils using non-steady-state chambers. *Journal of Plant Nutrition and Soil Science* **x**: 1–15 DOI:10.1002/jpln.202200199

2021 Mallast, J., Stichnothe, H., Flessa, H., Fuß, R., Lucas-Moffat, A. M., Petersen-Schlapkohl, U., Augustin, J., **Hagemann, U.**, Kesenheimer, K., Ruser, R., Suárez Quinones, T., Prochnow, A., Dittert, K., Huth, V., Glatzel, S. Multi-variable experimental data set of agronomic data and gaseous soil emissions from maize, oilseed rape and other energy crops at eight sites in Germany. *Open Data Journal for Agricultural Research* **7**: 11–19

2020 Buchen-Tschiskale, C., **Hagemann, U.**, Augustin, J. Soil incubation study showed biogas digestate to cause higher and more variable short-term N_2O and N_2 fluxes than mineral-N. *Journal of Plant Nutrition and Soil Science* **183(2)**: 208–219

2018 Hoffmann, M., Pohl, M., Jurisch, N., Prescher, A.-K., Mendez Campa, E., **Hagemann, U.**, Remus, R., Verch, G., Sommer, M., Augustin, J. Maize carbon dynamics are driven by soil erosion state and plant phenology rather than nitrogen fertilization form. *Soil & Tillage Research* **175**: 255–266

2018 Maier, M., **Hagemann, U.** Special Issue of the Journal of Plant Nutrition and Soil Science „Methodological advances in studying the soil-plant-atmosphere gas exchange“ (Editorial). *Journal of Plant Nutrition and Soil Science* **181**: 5–6

2017 Hoffmann, M., Schulz-Hanke, M. V., Garcia Alba, D. J., Jurisch, N., **Hagemann, U.**, Sachs, T., Sommer, M., Augustin, J. A simple calculation algorithm to separate high-resolution CH_4 flux measurements into ebullition- and diffusion-derived components. *Atmospheric Measurement Techniques* **10(1)**: 109–118

2017 Huth, V., Vaidya, S., Hoffmann, M., Jurisch, N., Günther, A., Gundlach, L., **Hagemann, U.**, Elsgaard, L., Augustin, J. Divergent NEE balances from manual-chamber CO_2 fluxes linked to different measurement and gap-filling strategies: a source for uncertainty of estimated terrestrial C sources and sinks? *Journal of Plant Nutrition and Soil Science* **180(3)**: 302–315

2016 Peter, C., Fiore, A., **Hagemann, U.**, Nendel, C., Xiloyannis, C. Improving the accounting of field emissions in the carbon footprint of agricultural products: a comparison of default IPCC methods with readily available medium-effort modeling approaches. *The International Journal of Life Cycle Assessment* **21(6)**: 791–805

2016 Specka, X., Nendel, C., **Hagemann, U.**, Pohl, M., Hoffmann, M., Barkusky, D., Augustin, J., Sommer, M., Van Oost, K. Reproducing CO2 exchange rates of a crop rotation at contrasting terrain positions using two different modelling approaches. *Soil & Tillage Research* **156**: 219–229

2015 Moroni, M.T., Morris, D.M., Shaw, C., Stokland, J.N., Harmon, M.E., Fenton, N.J., Merganičová, K., Merganič, J., Okabe, K., and **Hagemann, U.**. Buried wood: A common yet poorly documented form of deadwood. *Ecosystems* **18(4)**: 605–628

2015 **Hagemann, U.**, and Moroni, M.T. Moss and lichen decomposition in old-growth and harvested high-boreal forests estimated using the litterbag and minicontainer methods. *Soil Biology & Biochemistry* **87**: 10–24

Publikationsliste (Stand: 10.07.2022) (Fortsetzung)

2015 Hoffmann, M., Jurisch, N., Albiac-Borraz, E., **Hagemann, U.**, Drösler, M., Sommer, M., und Augustin, J. Automated modeling of ecosystem CO_2 fluxes based on periodic closed chamber measurements: A standardized conceptual and practical approach. *Agricultural and Forest Meteorology* **200**: 30–45

2014 Frischbier, N., Profft, I., und **Hagemann, U.** Potential impacts of climate change on forest habitats in the Biosphere Reserve Vessertal-Thuringian Forest in Germany. In: Rannow, S., Neubert, M. (Ed.), Managing protected areas in Central and Eastern Europe under climate change. Springer, Dordrecht, S. 243-257.

2014 Minke, M., Augustin, J., **Hagemann, U.**, und Joosten, H. Similar methane fluxes measured by transparent and opaque chambers point at belowground connectivity of *Phragmites australis* beyond the chamber footprint. *Aquatic Botany* **113**: 63–71

2014 Pohl, M., Hoffmann, M., **Hagemann, U.**, Giebels, M., Albiac-Borraz, E., Sommer, M., und Augustin, J. Dynamic C and N stocks – key factors controlling the C gas exchange of maize in a heterogenous peatland. *Biogeosciences Discussions* **11**: 16135–16176

2013 **Hagemann, U.**, van der Kelen, G., und Wagner, S. Comparative Assessment of Natural Regeneration Quality in Two Northern Hardwood Stands. *Northern Journal of Applied Forestry* **30**: 5–15

2010 **Hagemann, U.**, Moroni, M., Gleißner, J., and Makeschin, F. Disturbance history influences downed woody debris and soil respiration. *Forest Ecology and Management* **260**: 1762–1772

2010 **Hagemann, U.**, Moroni, M., Gleißner, J., and Makeschin, F. Accumulation and preservation of dead wood upon burial by bryophytes. *Ecosystems* **13(4)**: 600–611

2010 Moroni, M., **Hagemann, U.**, and Beilman, D.W. Dead wood is buried and preserved in a Labrador boreal forest. Ecosystems **13(3)**: 452–458

2010 **Hagemann, U.**, Moroni, M., Shaw, C., Makeschin, F., and Kurz, W. Comparing measured and modelled forest carbon stocks in high-boreal forests of harvest and natural-disturbance origin in Labrador, Canada. *Ecological Modelling* **221**: 825–839

2009 **Hagemann, U.**, Moroni, M., and Makeschin, F. Deadwood abundance in Labrador high-boreal black spruce forests. *Canadian Journal of Forest Research* **39(1)**: 131–142

Weitere Publikationen

2022 Maier, M., Weber, T. K. D., Fiedler, J., Fuß, R., Glatzel, S., Huth, V., Jordan, S., Jurasinsiki, G., Kutzbach, L., Schäfer, K., Weymann, D., Hagemann, U. BEST PRACTICE GUIDELINE Measurement of carbon dioxide, methane and nitrous oxide fluxes between soil-vegetation-system.s and the atmosphere using non-steady state chambers - Version 1. Arbeitsgruppe Bodengase, Deutsche Bodenkundliche Gesellschaft, Göttingen, 70 S., DOI: 10.23689/fidgeo-5422

2012 Jurasinski, G., Koebsch, F. und **Hagemann, U.** flux: Flux rate calculation from dynamic closed chamber measurements. R package version 0.2-1. CRAN.R-project.org/package=flux

2012 **Hagemann, U.**, Huth, F., Fischer, H., und Wagner, S. Waldbauliche Großexperimente. *AFZ-Der Wald* **22**: 15–19

2012 Huth, F., **Hagemann, U.**, Fischer, H., und Wagner, S. Renaturierung von Kiefernreinbeständen - RENAKI. *AFZ-Der Wald* **15**: 21–23

2011 **Hagemann, U.**, Hagemann, K., and Stuhlmann, C. Das Konzept Mobility@forest. *Forst und Holz* **66(5)**: 34–37

2008 **Hagemann, U.**, Moroni, M., Carter, P., and Makeschin, F. Impact of Pre-commercial Thinning on Soil Respiration, Temperature, and Moisture in Western Newfoundland Balsam Fir. Canadian Forest Service, *Information Report* M-X-223