Name	**Lars Kutzbach**
Position	Full professor (W2) for "Soils in the Climate System" at the Institute of Soil Science of Universität Hamburg, Germany
Affiliation	Institute of Soil Science, Universität Hamburg, Germany
Higher education	• **2006** Ph.D. graduation at the Department of Earth Sciences, Universität Hamburg, • **2000** Diploma in Biology, Department of Biology, Universität Hamburg
Academic career	• **2015 to present** Full professor (W2) for "Soils in the Climate System", Institute of Soil Science, Universität Hamburg • **2009-2015** Juniorprofessor (W1) and Junior Research Group Leader „Regional Hydrology of Terrestrial Systems" within the Cluster of Excellence „Integrated Climate System Analysis and Prediction (CliSAP)", Institute of Soil Science, Universität Hamburg • **2005-2008** Research associate (postdoc), Institute for Botany and Landscape Ecology , Ernst-Moritz-Arndt-Universität Greifswald • **2000-2005** Research assistant at the Alfred Wegener Institute for Polar and Marine Research, Research Unit Potsdam, Germany
Teaching activities	Universität Hamburg M.Sc. Geosciences M.Sc. Integrated Climate System Sciences (ICCS) M.Sc. Polar and Marine Sciences (POMOR) B.Sc. Geosciences
Research and development projects during the past 5 years	**2017 – 2020** BMBF: Kohlenstoff im Permafrost (KoPF) – Kohlenstoffumsatz und Treibhausgasfreisetzung aus tauendem Permafrost Nordostsibiriens unter sich ändernden Umwelt- und Klimabedingungen. **2013 – 2018** DFG: Carbon, water and nutrient dynamics in vascular plant- vs. Sphagnum-dominated bog ecosystems in southern Patagonia (CANDYbog) (KU 1418/6-1). **2013 – 2016** BMBF: Kohlenstoff im Permafrost – Bildung, Umwandlung und Frei-setzung (CARBOPERM), Coordinator of Workpackage 4. **2012 – 2017** DFG Bundesexzellenzinitiative: Cluster of Excellence: Integrated Climate System Analysis and Prediction (CliSAP) – Second funding phase. Contribution to renewal application as CliSAP research group leader. **2011 – 2015** EU FP7: Changing Permafrost in the Arctic and its Global Effects in the 21st Century (PAGE21). Partner in collaborative project.
Significant publications during the past 5 years	Beermann, F., Langer, M., …, **Kutzbach, L.** (2017). Permafrost thaw and liberation of inorganic nitrogen from polygonal tundra soils in eastern Siberia. Permafrost and Periglacial Processes, 28, 605-618. doi:10.1002/ppp.1958. Chadburn, S., Krinner, G., …, **Kutzbach, L.**, …, Burke, E. (2017). Carbon stocks and fluxes in the high latitudes: Using site-level data to evaluate Earth system models. Biogeosciences, 14, 5143-5169. doi.org/10.5194/bg-14-5143-2017

Name	**Lars Kutzbach**
	Hölzel, N., Hickler, T., **Kutzbach, L.**, …., Hiederer, R. (2016). Environmental impacts - terrestrial ecosystems. In M. Quante, & F. Colijn (Eds.), North Sea region climate change assessment (pp. 341-372). Cham: Springer International Publ. doi:10.1007/978-3-319-39745-0_11. Avagyan, A., Runkle, B., …, **Kutzbach, L.** (2016). Dissolved organic matter dynamics during the spring snowmelt at a boreal river valley mire complex in Northwest Russia. Hydrological Processes, 30, 1727-1741. doi:10.1002/hyp.10710. Schneider, J., Jungkunst, H. F., …, **Kutzbach, L.** (2016). Russian boreal peatlands dominate the natural European methane budget. Environmental Research Letters, 11: 014004. doi:10.1088/1748-9326/11/1/014004. **Kutzbach, L.**, Overduin, P., …, Zubrzycki, S. (2015). Terrestrischer und submariner Permafrost in der Arktis. In Warnsignal Klima: Das Eis der Erde (pp. 78-86). Hamburg: Wissenschaftliche Auswertungen. Pérez-Priego, O., López-Ballesteros, A., …, **Kutzbach, L.**, …, Kowalski, A. S. (2015). Analysing uncertainties in the calculation of fluxes using whole-plant chambers: random and systematic errors. Plant and Soil, 393(1), 229-244. doi:10.1007/s11104-015-2481-x. Knoblauch, C., Spott, O., Evgrafova, S., **Kutzbach, L.**, Pfeiffer, E.-M. (2015). Regulation of methane production, oxidation, and emission by vascular plants and bryophytes in ponds of the northeast Siberian polygonal tundra. Journal of Geophysical Research-Biogeosciences, 120(12), 2525-2541. doi:10.1002/2015JG003053. Vanselow-Algan, M., Schmidt, …, **Kutzbach, L.**, Pfeiffer, E.-.-M. (2015). High methane emissions dominated annual greenhouse gas balances 30 years after bog rewetting. Biogeosciences, 12, 4361-4371. doi:10.5194/bg-12-4361-2015. Beermann, F., Teltewskoi, A., ..., **Kutzbach, L.** (2015). Stoichiometric analysis of nutrient availability (N, P, K) within soils of polygonal tundra. Biogeochemistry, 122, 211-227. doi:10.1007/s10533-014-0037-4.
Activities in scientific organizations and associations during the past 5 years	**Since 2018** Chair of the working group ‘Ground Gases’ of the German Soil Science Society **Since 2015** Member of the scientific advisory board of the Deutsche Gesellschaft für Polarforschung **Since 2015** Spokesperson for the study programme B.Sc. Geosciences of Universität Hamburg **Since 2015** Deputy spokesperson for the study programme M.Sc. Geosciences of Universität Hamburg **Since 2013** Co-spokesperson of the research topic ‘Element Cycling in the Earth System’ of the Centre for Earth System Research and Sustainability (CEN) of Universität Hamburg **Since 2013** Academic co-spokesperson of the postdoc mentoring program of the Cluster of Excellence CliSAP **Since 2013** Member of the graduate affair committee of the School of Integrated Climate System Sciences (SICSS)