Name	**Eva-Maria Pfeiffer**
Position	Professor C4
Affiliation	Hamburg University
Higher education	• **1997** Habilitation (Soil Science), Universität Hamburg • **1985** PhD in Soil Science, Universität Hamburg • **1982** Diploma degree in Biology, Universität Hamburg • **1979** Prediploma degree in Biology, Frankfurt University
Academic career	• **Since 2016** . Member of the Center of Earth System Science and Sustainability, **CEN** at Universität Hambur • **Since 2014** Co-Chair of the Excellence Cluster **CliSAP** an der Universität Hamburg • **Since 2010** Member of the Akademie der Wissenschaften in Hamburg • **Since 2010** President of the German Society of Polar Sciences; DGP Deutsche Gesellschaft für Polarforschung • **2009-2014** Head of the Graduate School "Estuary and Wetland research", ESTRADE (LEXI) • **2008-2014** . Head of the Graduate School „Integrated Climate System Science", SICSS, at Universität Hamburg • **Since 2017** Scientific Steering Committee SSC, DFG-Exzellence Cluster „Integrated Climate System Science: Analysis and Prediction", CliSAP at Universität Hamburg • **2006-2008** **.** Vice Dean of the Faculty of Mathematic, Informatics and Natural Science, MIN, Universität Hamburg • **Since 2004** Director of the Institute of Soil Science, Universität Hamburg • **WS 2002/2003** Professor at Universität Hamburg • **WS 2001/2002** Associate professor, Potsdam University • **1998-2002** Researcher at the Alfred Wegener Institute for Polar and Marine Research • **1996-1998** Researcher at the Environmental Agency Hamburg • **1989-1996** Assistant at Universität Hamburg • **1987-1989** Researcher at the Environmental agency Hamburg • **1985-1987** PostDoc, Soil Science, Universität Hamburg
Teaching activities	University Education B.Sc. / M.Sc. Geo Sciences M.Sc. POMOR Graduate Education (M.Sc. Climate System Science, PhDs)
Research and development	BMBF-WTZ Russland – KoPf: Kohlenstoffumsatz und Treibhausgasfreisetzung

Name	**Eva-Maria Pfeiffer**
projects during the past 5 years	aus tauendem Permafrost Nordostsibiriens unter sich ändernden Umwelt- und Klimabedingungen, 2017-2020 DFG-CliSAP –Integrated Climate System Sciences: Analysis and Predictions, Research Area RA B1 Arctic and Permafrost, 2007-2017 BMBF-WTZ Russland - CarboPerm: Kohlenstoff im Permafrost: Bildung, Umwandlung und Freisetzung, 2013-2017 BMBF-CLIENT VR China-Verbundsprojekt: Biofilter mit hoher Effizienz zur Methanoxidation in der Land- und Abfallwirtschaft (BiMoLA), 2013-2016 LLUR-Integrierte bodenökologische Bewertung von Bodendauerbeobachtungs-flächen in Schleswig-Holstein zum nachhaltigen, vorsorglichen Schutz der Resource Boden. 2013-2020 BMBF-Verbundvorhaben Klimaschutz: Mikrobielle Methanoxidation in Deponieabdeckschichten (MiMethox), 2007-2014
Activities in scientific organizations and associations during the past 5 years	• **since 2013** Board of trustees AWI • **2008 - 2014** IUSS, Chair of Cryosols group • **2008 - 2013** Scientific Advisory Board of the Alfred Wegener Institute (SAB-AWI), Chair • **2008- 2015** IPA, Chair CWG • **2007- 2014** Journal "Polarforschung", Chief Editor • **since 2010** German Society of Polar Research (Deutsche Gesellschaft Polarforschung (DGP), President
Significant publications during the past 5 years	*Selected publications from overall more than 170* **Pfeiffer, E.-M.,** Eschenbach, A., Munch, J. C., 2017. Boden. In: Brasseur, G., Jacob, D., Schuck-Zöller, S. (Hrsg.) Klimawandel in Deutschland - Entwicklung, Folgen, Risiken und Perspektiven. Berlin, Heidelberg: Springer, 2017, S. 203-213. doi:10.1007/978-3-662-50397-3_20 . link . Walz, J., Knoblauch, C., Böhme, L., **Pfeiffer, E.-M.**, 2017. Regulation of soil organic matter decomposition in permafrost-affected Siberian tundra soils - Impact of oxygen availability, freezing and thawing, temperature, and labile organic matter. Soil Biol. Biochem. 110, 34-43, doi: 10.1016/j.soilbio.2017.03.001 Liu, F., Fiencke, C., Guo, J., Rieth, R., Cuhls, C., Dong, R., **Pfeiffer, E.-M.**, 2017. Bioscrubber treatment of exhaust air from intensive pig production: Case study in northern Germany at mild climate condition. Engineering in Life Sciences, 17:458-466. doi:10.1002/elsc.201600169 Miehlich, G., **Pfeiffer, E.-M.**, Oechtering, L., Gröger, G., Däumling, T., 2016. Neue Bodenlehrpfade in Hamburg – Digitale Medien in der Öffentlichkeitsarbeit. Bodenschutz 21 (4), 108–112 (Smartlink) Geck, C., Scharff, H., **Pfeiffer, E.-M.**, Gebert, J., 2016. Validation of a simple model to predict the performance of methane oxidation systems, using field data from a large scale biocover test field. Waste Mangement 56, 280-289.

Name	**Eva-Maria Pfeiffer**
	doi:10.1016/j.wasman.2016.06.006 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, 2525-2541. doi:10.1002/2015JG003053 Vanselow-Algan, M., Schmidt, S.R., Greven, M., Fiencke, C., Kutzbach, L**., Pfeiffer, E.-M.**, 2015. High methane emissions dominate annual greenhouse gas balances 30 years after bog rewetting. Biogeosciences, 12, 4361-4371, doi:10.5194/bg-12-4361-2015 Beermann, F., Teltewskoi, A., Fiencke, C., **Pfeiffer, E.-M.**, Kutzbach, L**.**, 2014. Stoichiometric analysis of nutrient availability (N, P, K) within soils of polygonal tundra. Biogeochemistry, 1-17. doi:10.1007/s10533-014-0037-4 Knoblauch, C., Beer, C., Sosnin, A., Wagner, D., **Pfeiffer, E.-M.**, 2013. Predicting long-term carbon mineralization and trace gas production from thawing permafrost of Northeast Siberia. Global Change Biology, 19, 1160-1172. doi:10.1111/gcb.12116 Zubrzycki, S., Kutzbach, L., Grosse, G., Desyatkin, A., **Pfeiffer, E.-M.**, 2013. Organic carbon and total nitrogen stocks in soils of the Lena River Delta. Biogeosciences, 10, 3507-3524. doi:10.5194/bg-10-3507-2013 Gebert, J., Groengroeft, A., **Pfeiffer, E.-M.**, 2011. Relevance of soil physical properties for the microbial oxidation of methane in landfill covers. Soil Biology & Biochemistry, 43, 1759-1767. doi:10.1016/j.soilbio.2010.07.004
Awards	• **2010** Academy of Sciences, Hamburg