

Short Curriculum Vitae Prof.Dr. rer. nat. Elisabeth Dietze

Born 1981, Stollberg/Erzg., Germany; married, two children

Professional Experience

Since 06/2023	Professor for Landscape Geoscience, Geographical Institute, Georg-August-University Göttingen, Germany
03/2021-09/2021	Interim Professor (shared), Geographical Institute, University of Bonn, Germany
09/2018-05/2022	Postdoctoral Researcher, Polar Terrestrial Environmental Systems, Alfred-Wegener-Institute Helmholtz Center for Polar and Marine Research, Potsdam, Germany
03/2018-12/2022	Guest Postdoctoral Researcher, Section 3.2 Organic Geochemistry, German Research Centre for Geosciences (GFZ) Potsdam, Germany
03/2016-03/2018	Postdoctoral Researcher, Section 5.2 Climate dynamics and landscape evolution, GFZ Potsdam, Germany
03/2016-09/2016	Guest Postdoctoral Researcher, Department of Marine Microbiology and Biogeochemistry, Royal Netherlands Institute for Sea Research (NIOZ), Texel, The Netherlands
12/2012-02/2016	Postdoctoral Researcher, Section 5.2 Climate dynamics and landscape evolution, GFZ Potsdam, Germany (incl. 13 months of maternal leave)
10/2012-02/2013	Teaching Assistant, Institute for Geography, Technical University Dresden
08/2008-09/2012	Research Assistant, Institute for Geographical Sciences, Free University Berlin (incl. 13 months of maternal leave)
05/2007-08/2008	Research Assistant, Technical University Dresden, Germany
05/2007-07/2007	Research Assistant, Paul-Scherrer-Institut Villigen, Switzerland

Education

11/2012	Dr. rer. nat., Geographic Sciences, Free University Berlin; Thesis "Water level changes and related sedimentary environments at Lake Donggi Cona, northeastern Tibetan Plateau, China"
04/2007	Diploma in Geography (minors: Forest Ecology, Political Sciences), Technical University Dresden, Germany; Thesis „Regional climate and isotope signals in ice of the subtropical Andes in „normal“- and ENSO-periods“
06/2005	Supplementary studies Regional Sciences of Latin America, Technical University Dresden, Germany

Awards and recognition

2022	Teaching award, Faculty of Faculty of Mathematics and Natural Sciences, University of Bonn
2020	PostDoc-Award, German Arbeitskreis (AK) Geomorphologie (now: German Society of Geomorphology)
2019	Geo.X travel award: EGU, Vienna, Austria; INQUA travel award: INQUA Congress, Dublin, Ireland
2018	DAAD travel grant: CANQUA/AMQUA Meeting, Ottawa, Canada; travel grants by Geo.X and AK Geomorphology: EGU, Vienna, Austria
2016	PAGES travel grants: Paleofire working group meetings, Bordeaux, France & Frankfurt, Germany
2014	EGU-GA Young Scientist's Travel Award
2013	Best talk Award, Annual meeting of AK Geomorphology, Eichstätt, Germany
2012	PAGES and IAS travel grants, PAGES YSM and OSM Meeting, Goa, India
2011	Nature Geoscience Poster Award, INQUA Congress, Bern, Switzerland
2007	Lohrmann Medal of the Technical University Dresden, Germany, for outstanding achievements during the studies

Academic and Scientific Services

Vice-President, International Paleofire Network (IPN, since 2020)

Vice-President, German Society of Geomorphology (DGGM, since 2022), before DGGM advisory board

Science Officer, EGU Climate Division and EGU-GA session and short course convener (since 2018/2019)

Memberships: DGGM; DEUQUA; PAGES; Board Member NGO Fundacion Cambugán, Ecuador

Associate editor, E&G Quaternary Science Journal (since 2019)

Journal reviewer: Science; The Holocene; Journal of Quaternary Sciences; Sedimentology; Earth Surface; Processes and Landforms; Geochemistry, Geophysics, Geosystems; Palaeo3; Quaternary International; Journal of Coastal Research; Catena; Organic Geochemistry, among others

Journal publications (selected, Nov. 2022)

Glückler, R., Geng, R., Grimm, L., Baisheva, I., Herzsuh, U., Stoof-Leichsening, K., Kruse, S., Andreev, A., Pestryakova, L., **Dietze, E., 2022**. Holocene wildfire and vegetation dynamics in Central Yakutia, Siberia, reconstructed from lake-sediment proxies. *Frontiers in Ecology and Evolution* 10, 4185-4209, doi.org/10.3389/fevo.2022.962906

Dietze, E., Mangelsdorf, K., Andreev, A., Karger, C., Schreuder, L. T., Hopmans, E. C., Rach, O., Sachse, D., Wennrich, V., and Herzsuh, U., 2020: Relationships between low-temperature fires, climate and vegetation during the last 430 kyrs in northeastern Siberia reconstructed from monosaccharide anhydrides in Lake El'gygytgyn sediments, *Clim. Past*, 16, 799-818, doi.org/10.5194/cp-16-799-2020.

Dietze, E., Brykała, D., Schreuder, L.T., Jażdżewski, K., Blarquez, O., Brauer, A., Dietze, M., Obremaska, M., Ott, F., Schouten, S., Hopmans, E.C., Stowiński, M., 2019. Human-induced fire regime shifts during 19th century industrialization: a robust fire regime reconstruction using northern Polish lake sediments. *PLOS ONE*, doi: 10.1371/journal.pone.0222011.

Dietze, E., Dietze, M., 2019. Grain-size distribution unmixing using the R package EMMAgeo. *E&G Quaternary Sci. J.* 68, 29-46.

Stowiński, M., Lamentowicz, M., Łuców, D., Barabach, J., Brykała, D., Tyszkowski, S., Pieńczewska, A., Śnieszko, Z., **Dietze, E., Jażdżewski, K., Obremaska, M., Ott, F., Brauer, A., Marcisz, K., 2019**. Paleocological and historical data as an important tool in ecosystem management. *Journal of Environmental Management* 236, 755-768.

Heinrich, I., Balanzategui, D., Bens, O., Blasch, G., Blume, T., Böttcher, F., Borg, E., Brademann, B., Brauer, A., Conrad, C., **Dietze, E., Dräger, N., Fiener, P., Gerke, H.H., Güntner, A., Heine, I., Helle, G., Herbrich, M., Harfenmeister, K., Heuβner, K.-U., Hohmann, C., Itzerott, S., Jurasinski, G., Kaiser, K., Kappler, C., Koebisch, F., Liebner, S., Lischeid, G., Merz, B., Missling, K.D., Morgner, M., Pinkerneil, S., Plessen, B., Raab, T., Ruhtz, T., Sachs, T., Sommer, M., Spengler, D., Stender, V., Stüve, P., Wilken, F., 2018**. Interdisciplinary Geo-ecological Research across Time Scales in the Northeast German Lowland Observatory (TERENO-NE). *Vadose Zone Journal* 17.

Dietze, E., Theuerkauf, M., Bloom, K., Brauer, A., Dörfler, W., Feeser, I., Feurdean, A., Gedminienė, L., Giesecke, T., Jahns, S., Karpińska-Kotaczek, M., Kotaczek, P., Lamentowicz, M., Latałowa, M., Marcisz, K., Obremaska, M., Pędziszewska, A., Poska, A., Rehfeld, K., Stančikaitė, M., Stivrins, N., Święta-Musznicka, J., Szal, M., Vassiljev, J., Veski, S., Wacnik, A., Weisbrodt, D., Wiethold, J., Vannière, B., Stowiński, M., 2018. Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe. *Quaternary Science Reviews* 201, 44-56.

Zielhofer, C., Fletcher, W.J., von Suchodoletz, H., Schneider, B., Schlegel, M., **Dietze, E., Schepanski, K., Weninger, B., Mikdad, A., Mischke, S., 2017**. Millennial-scale fluctuations in Saharan dust supply across the decline of the African Humid Period. *Quaternary Science Reviews* 171, 119-135.

Dietze, E., Stowiński, M., Zawiska, I., Veh, G., Brauer, A., 2016. Multiple drivers of Holocene lake level changes at a lowland lake in northeastern Germany. *Boreas* 45, 828-845.

Dietze, E., Maussion, F., Ahlborn, M., Diekmann, B., Hartmann, K., Henkel, K., Kasper, T., Lockot, G., Opitz, S., Habertzettl, T., 2014. Sediment transport processes across the Tibetan Plateau inferred from robust grain size endmembers in lake sediments. *Climate of the Past* 10, 91-106.

Dietze, E., Hartmann, K., Diekmann, B., IJmker, J., Lehmkühl, F., Opitz, S., Stauch, G., Wünnemann, B., Borchers, A., 2012. An end-member algorithm for deciphering modern detrital processes from lake sediments of Lake Donggi Cona, NE Tibetan Plateau, China. *Sedimentary Geology* 243-244, 149-180.