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 Date of Birth: November 1979
 Nationality: German



Current positions and responsibilities

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| Scientist for Lake Research Technologies at Alfred Wegener Institute. UWITEC coring, Innomar sub-bottom profiling, Avaatech XRF core scanning, sediment core treatment, age-depth modelling. | Since 10/2023 |
| GTN-P Advisory Board. Global Terrestrial Network for Permafrost | since 2018 |

Higher education

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| Doctoral degree in Geoscience/Palaeoecology (Dr. rer. nat.)
funded by POLMAR scholarship. Hosted at AWI and Uni Potsdam. Thesis: <i>Holocene environmental variability inferred from lake diatoms and sediment geochemistry in northeastern Siberia, Russia</i> . Rating: <i>Magna cum laude</i> (apl. Prof. B. Diekmann) | Oct 2012 |
| Diploma Geology (Dipl. Geol.) Geology and Palaeontology
at Freie Uni Berlin. Thesis: <i>Facies development of the Upper Jurassic of Gräfenberg, SW Germany, Middle Franconian Alb</i> . Rating: <i>1.0 with honors</i> (Prof. Dr. H. Keupp) | Oct 2008 |
| Prediploma Geology and Palaeontology
Freie Uni Berlin. Rating: <i>1.4</i> (Priv.-Doz. Dr. M. Schudack) | Apr 2004 |

Honors and awards received

- 2016 - PYRN-IPA Award for Outstanding Poster Presentation (ICOP2016)
- 2016 - ICSU International Council for Science: WDS Data Stewardship Award 2016
- 2009 - POLMAR scholarship (own PhD project)
- 2008 - Honors degree diploma in „Geologie-Paläontologie“ at Freie Universität Berlin

Academic and research experience

(Excluding teaching experience. University lectures listed below)

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| HEIBRiDS Program Committee - Helmholtz Einstein International Berlin Research School in Data Science | 5/2018-10/2023 |
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Head of focus group “Arctic Lake System Dynamics” Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research, Section: Polar Terrestrial Environmental Systems, Scientist position. www.awi.de/siblake	1/2018-10/2023
Leader ESKP Project PAST PERMAFROST. Combining observations and paleo proxy data towards risk assessment of climate change impacts (knowledge transfer, Dr. Gesche Krause)	2017-2021
Postdoc in PALMOD. BMBF German Palaeoclimate Modelling Initiative, Compiling palaeo proxy data from last glacial to Anthropocene (focus on diatoms and sediment geochemistry) for development and validation of global paleoclimate models. (apl. Prof. B. Diekmann)	6/2016-4/2018
Co-lead of INTERACT WP4 data forum. EU Project on sustained management towards interoperability of international research stations. (Dr. M. Johansson, Lund University, Sweden; Dr. O. Godoy, Meteorological Institute Oslo, Norway)	2016–2018
Director of the Global Terrestrial Network for Permafrost (gtnp.org). Established community network for data sets and high-impact Nature publication on global warming. Fund-raising and coordination of the 2 nd GTN-P National Correspondents Meeting (Canada 2015), and at ICOP (Germany 2016).	2015–2018
External curator of the PANGAEA Database - Data Publisher for Earth & Environmental Science	2016–2017
Data Scientist in the 7 th EU Framework Programme PAGE21 - Changing Permafrost in the Arctic and its Global Effects in the 21st Century (Prof. Dr. H. Lantuit)	2013–2015
Visiting Student in London at UCL , Methods for diatom analysis in freshwater paleoecology	Feb 2010
Internship at GeoForschungsZentrum Potsdam , Methods for thin section preparation and microscope analyses of annual layers in soft lake sediments. Supervisor: Prof. Dr. A. Brauer	Sept-Nov 2008
Laboratory assistant , preparation techniques for pollen, Freie Universität Berlin (Dr. S. Müller)	2008
Institute Council Freie Universität Berlin, Geo Campus Lankwitz, student representative	2005–2008
Tutor in Earth History and Palaeontology, Freie Universität Berlin (Prof. Dr. H. Keupp, Priv.-Doz. Dr. M. Schudack).	2004–2008

Coring and other fieldwork experience

Expedition Wiyashakimi Crater lake coring 2024 Lead of UWITEC piston coring team. Retrieving deep sediment cores from ice-covered lake. Lead apl. Prof. B Diekmann	March/April 2024
Expedition Alaska Peninsula 2023 Lead of UWITEC coring 90mm piston coring team. Parametric sub-bottom profiling (SES-2000). Retrieving sediment cores from 5 different lakes. Lead Prof. Dr. U. Herzschuh	Aug/Sept 2023

Expedition Wiyashakimi Crater lake 2023	June/July 2023
Lead of UWITEC coring team. Parametric sub-bottom profiling (SES-2000). Retrieving sediment cores from 170 m water depth. Lead Dr. H. Meyer	
Exkursion Elbe – GeoBioHydro-Archive	May 2023
Coring survey (Edelman corer) within Helmholtz project '0-pollution' with UFZ and GFZ along abandoned meanders of the Elbe River to locate best drilling locations for Geoprobe System.	
Expedition Alaska Seward 2022	Aug/Sep 2022
Lead of UWITEC Niederreiter 90mm piston coring team. Parametric sub-bottom profiling (SES-2000). Retrieving sediment cores from Salmon Lake and Glacial Lake. Lead Dr. H. Meyer	
Expedition Yakutia 2021	Aug 2021
Lead of UWITEC Hybrid Niederreiter 90mm piston coring team. Parametric sub-bottom profiling (SES-2000). Retrieving sediment cores from Lakes Ulu and Saysary. Lead Prof. Dr. U. Herzsuh	
Fieldwork Groß Glienicker Lake 2020	June 2020
First use of UWITEC Hybrid Niederreiter 90mm piston coring system. Retrieval of long sediment cores.	
Expedition Khamra 2020	March 2020
Expedition leader, long sediment core retrieval using 60mm UWITEC piston coring system from ice-covered lake	
Expedition Magadan 2019	June 2019
Expedition leader, seismic transects (SES-2000) and long sediment core retrieval using 60mm UWITEC piston coring system from platform on water.	
Expedition Chukotka 2018	July 2018
Head of Lake group, seismic transects (SES-2000) and long sediment core retrieval using 60mm UWITEC piston coring system from platform on water. Lead Prof. Dr. U Herzsuh	
Expedition Antarctica 2017/18	Dec–Jan 2017/18
Head of ice hole coring group, Project: Sub-EIS-Obs, East-Antarctica, Neumayer III station, retrieving marine sediment cores underneath 250 m ice shelf with UWITEC special ice hole corer. Lead Dr. G Kuhn.	
Expedition Bykovsky spring 2017, winter	April 2017
Leader of WP3 Holocene environmental variability, head of UWITEC piston coring group. Siberia. In-field cooperation with Prof. Dr. S. Liebner (GFZ). Lead Prof. Dr. G Grosse, Dr. J Strauss	
Expedition Yakutia 2016, summer	Aug–Sep 2016
Leader, paleoecological investigations and sediment core retrieval (summer conditions, Russian peat corer), Siberia, helicopter expedition	
Expedition Yukon Coast 2016, spring	Apr–May 2016
Marine paleoenvironment, Herschel basin, sediment core retrieval (ice conditions) using 60mm UWITEC piston coring system, Canada Yukon coast, Lead Dr. M Fritz.	

RV Polarstern 2014

Oct–Nov 2014

Atlantic transit cruise on AWI Polarstern for parasound training (PS 88.1) Lead Dr. G. Kuhn

Expedition Yakutia 2013, spring

Mar–Apr 2013

Co-Leader, paleolimnology and core retrieval (ice conditions), Siberia (Bolshoe Toko), Lead apl. Prof. Dr. Diekmann.

Expedition Lena 2010, summer

Aug–Sep 2010

Geological and ecological studies, sediment core retrieval in Siberian lakes (summer conditions) using 60mm UWITEC piston coring system, Lead apl. Prof. Dr. Diekmann.

RV Heincke 2010

Apr 2010

Marine field work training cruise in the North Sea, Helgoland (HE324), Lead Prof. Dr. J Bijma.

Expedition Lena 2009, summer

Jul–Aug 2009

Helicopter transect to 14 lakes along the northern Lena River and Delta. Ecological studies and sediment core retrieval (summer conditions), Lead Prof. Dr. U. Herzschuh

Field work and geological mapping for diploma thesis

2007-2008

Paleontological field work including coring for Jurassic (Dogger and Malm) environmental reconstruction at Gräfenberg (Southern Germany) Lead Prof. H. Keupp.

Personal interests and licenses

Sportbootführerschein Binnen

Outdoor technical climbing (Deutscher Alpenverein)

Technical diving (open water diving licence)

Horse riding (Reiterpass)

International car and truck driving license (7.5t including trailer)

Shooting (Bear watch license for expeditions) and first aid (Ersthelfer-Bescheinigung)

German hunting licence (Jagdschein) in planning

Hazmat trained and certificated (Schulung Gefahrgut mit Zertifikat)