

Supplementary information

Supervision or co-supervisor*/examiner**

(Postdoc, PhD, MSc, BSc, State exam and Diplom Theses)

- Seeliger, Martin (**Postdoc**, University of Greifswald, 2021-2022)
 - Topic: Lecturer in teacher education program
- Viehberg, Finn (**Postdoc**, University of Greifswald, 2018-2021)
 - Topic: Tracking Human and Climate impacts in South Africa (TRACES)
- Kasper, Thomas (**Postdoc**, Friedrich-Schiller-University Jena, 2015-2018)
 - Topic: Paleoenvironmental and climatic reconstructions in the winter rainfall zone (WRZ) of South Africa using integrated investigations of lacustrine and marine archives

- Adolph, Marie-Luise (**PhD**, University of Greifswald, ongoing)
 - Scholarship, Landesgraduierten Stipendium/ Project, German Research Foundation (DFG)
 - Topic: Late Pleistocene and Holocene hydrological variations in the North German Plain using the example of Lake Schwerin
- Krauß, Nikolas (**PhD**, University of Greifswald, ongoing)
 - Project, German Research Foundation (DFG)
 - Topic: The maximum extent of the Scandinavian Ice Sheet during the Weichselian Glaciation at its south-western periphery – a multiphase act?
- Mehlhorn, Paul (**PhD**, University of Greifswald, 2022)
 - Project, Federal Ministry of Education and Research (BMBF)
 - Topic: Tracking Human and Climate impacts in South Africa (TRACES)
- *Strobel, Paul (**PhD**, Friedrich-Schiller-University Jena, 2022)
 - Scholarship, Landesgraduierten Stipendium / Project, German Research Foundation (DFG)
 - Topic: Late Quaternary climate and environmental reconstruction based on lake and peat sediments from the central southern Cape region of South Africa
- *du Plessis, Nadia (**PhD**, University of Cape Town, 2021)
 - Topic: Late Holocene Environmental and Climate Dynamics along the Cape Coast of South Africa: High Resolution Multi-Proxy Records from the Wilderness Embayment
- **Kliem, Pierre (**PhD**, University of Bremen, 2019)
 - Project, German Research Foundation (DFG)
 - Topic: Climatic and environmental change during Marine Isotope Stages 3, 2 and 1 in southern Patagonia – Evidences from Laguna Potrok Aike (Argentina)
- Wündsche, Michael (**PhD**, Friedrich-Schiller-University Jena, 2017)
 - Project, Federal Ministry of Education and Research (BMBF)
 - Topic: Holocene environmental change at the southern Cape coast of South Africa – Coastal lake sediment records from Eilandvlei and Groenvlei

- *Ahlborn, Marieke (**PhD**, Friedrich-Schiller-University Jena, 2015)
 - Project, German Research Foundation (DFG)
 - Topic: Moisture availability in the Tangra Yumco region during the Late Quaternary and the implications for the precipitation regime on the southern Tibetan Plateau
- *Kasper, Thomas (**PhD**, Friedrich-Schiller-University Jena, 2014)
 - Zeiss Scholar
 - Topic: Tracking Monsoon variability and climatic change on the central Tibetan Plateau since the Last Glacial Maximum - A 24,000 year record from Lake Nam Co
- *Biedermann, Lilliy (**MSc**, University of Greifswald, ongoing)
 - Topic: Paleoenvironmental investigations at Lago Enriquillo (Dominican Republic)
- *Dharmasiri, Shashikala (**MSc**, University of Greifswald, 2020)
 - Topic: Reconstructing water level fluctuations in the Kieshofer Moor basin
- *Gregori, Christian-David (**MSc**, Friedrich-Schiller-University Jena, 2019)
 - Topic: Human Impact on Danau Lindu (Sulawesi, Indonesia) and the catchment area for the last 940 years
- *Maboya, Matjie Lillian (**MSc**, University of Cape Town, 2019)
 - Topic: Palaeoenvironmental reconstruction in South Africa's year-round rainfall zone using multiproxy geochemical analyses on lake sediments from Swartvlei
- Rauh, Patricia (**MSc**, Friedrich-Schiller-University Jena, 2018)
 - Topic: Classification of two soils formed on dunes in the southern cape coast, South Africa
- Strobel, Paul (**MSc**, Friedrich-Schiller-University Jena, 2017)
 - Topic: Paleoenvironmental investigations on peat sediments from Vankervelsvlei in the year-round rainfall zone of South Africa
- *Gander, Lukas (**MSc**, Friedrich-Schiller-University Jena, 2016)
 - Topic: Micropaleontological investigations of the Holocene marine transgression at the southern coast of South African – title translated
- *Gründler, Nadine (**MSc**, Friedrich-Schiller-University Jena, 2016)
 - Topic: Quaternary microfossils of the South African West Coast as paleoenvironmental indicators – title translated
- Linß, Vanessa (**MSc**, Friedrich-Schiller-University Jena, 2016)
 - Topic: Palaeoenvironmental investigations on a sediment core from Verlorenvlei, Western Cape, South Africa with a special focus on anthropogenic influence
- Leser, Thomas (**MSc**, Friedrich-Schiller-University Jena, 2015)
 - Topic: Palaeoenvironmental investigations on a sediment core from Bo-Langvlei, Southern Cape, South Africa
- Wündsche, Michael (**MSc**, Friedrich-Schiller-University Jena, 2013)
 - Topic: Paleoenvironmental reconstructions using sediments from Lake Kalimpaa, Sulawesi, Indonesia
- *St-Onge, Marie-Pier (**MSc**, University of Québec at Rimouski, 2012)
 - Thesis: Physical and magnetic properties of Baffin Bay sediments: a record of environmental and paleomagnetic secular variation changes during the Holocene – title translated
- Franz, Sarah (**MSc**, Friedrich-Schiller-University Jena, 2012)
 - Thesis: Geochemical and sedimentological investigations on lake sediments from Swartvlei in order to reconstruct late Holocene paleoenvironmental dynamics of the Garden Route National Park, South Africa – title translated

- *Reinwarth, Bastian (**MSc**, Friedrich-Schiller-University Jena, 2012)
 - Thesis: The sedimentary record of Eiland Vlei, Wilderness coast area, South Africa
- Welk, Lea (**BSc**, University of Greifswald, 2022)
 - Thesis: Environmental reconstruction based on investigations on a sediment core from Lake Hohenroth (Lower Franconia) – title translated
- Brüggemann, Annemarie (**BSc**, University of Greifswald, 2022)
 - Thesis: Environmental reconstruction based on sedimentological investigations on a sediment core from Cubhu lake, South Africa – title translated
- Lübeck, Erik (**BSc**, University of Greifswald, 2022)
 - Thesis: Sedimentological investigations on cores from the Mhlathuze floodplain, KwaZulu-Natal, South Africa – title translated
- Ulandowski, Friederike (**BSc**, University of Greifswald, 2022)
 - Thesis: Investigating surface sediments from Lake Mzingazi, KwaZulu-Natal, South Africa – title translated
- *Feldmann, Isabella (**BSc**, University of Greifswald 2021)
 - Thesis: An integrative paleoecological approach on multiple core sites in Lake Mzingazi (KwaZulu Natal, South Africa)
- Türk, Johanna (**BSc**, University of Greifswald, 2020)
 - Thesis: Hydrochemical investigations on selected small water bodies on agricultural land in the vicinity of Greifswald during midsummer – possible consequences for amphibians – title translated
- *Oßowski, Julia (**BSc**, Friedrich-Schiller-University Jena, 2017)
 - Thesis: Soil geochemical and geophysical characterization of a Neolithic slot pit (Schlitzgrube) – title translated
- *Biehl, Thomas (**BSc**, Friedrich-Schiller-University Jena, 2016)
 - Thesis: Holocene paleolimnological investigations of Großer Frankenteich at Stralsund – title translated
- *Müller, Isabelle (**BSc**, Friedrich-Schiller-University Jena, 2016)
 - Thesis: Micropaleontological and sedimentological investigations of the Holocene section of Xuru Co (Tibet) – title translated
- Schröter, Sascha (**BSc**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Biogenic silica as paleoclimatic indicator at Eilandvlei (South Africa) – title translated
- *Braun, Elisabeth (**BSc**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Comparison of chemical and physical soil properties in anthills of the Yellow Meadow Ant (*Lasius flavus*) and ant free control areas in the Hainich, Thuringia – title translated
- *Jakobsmeyer, Tim (**BSc**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Micropalaeontological investigations of a Holocene sediment core from the Rondevlei, South Africa
- *Abramowski, Nadine (**BSc**, Friedrich-Schiller-University Jena, 2014)
 - Thesis: Reconstruction of historical environmental changes inferred from a sediment core from the Knysna Estuary, South Africa
- *Damm, Jonas (**BSc**, Friedrich-Schiller-University Jena, 2014)
 - Thesis: Micropalaeontological investigations of a Holocene sediment core of Bolangvlei, South Africa
- *Willomeit, Annika (**BSc**, Friedrich-Schiller-University Jena, 2014)
 - Thesis: Micropaleontological and sedimentological investigations on a Holocene sediment core from the Knysna Estuary, South Africa – title translated

- *Bleile, Natalie (**BSc**, Friedrich-Schiller-University Jena, 2013)
 - Thesis: Micropaleontological investigations on a Holocene sediment core from Taro Co, Central Tibetan Plateau – title translated
- Mattern, Max-Otto (**BSc**, Friedrich-Schiller-University Jena, 2013)
 - Thesis: Problems of iron hydroxide deposition in drainage channels of Lusatia, the example of the Ostergraben in Werda – title translated
- *Rauh, Patricia (**BSc**, Friedrich-Schiller-University Jena, 2013)
 - Thesis: Charcoal as indicator for climatic and anthropogenic influence on Holocene sediments – title translated
- Bürger, Carolin (**BSc**, Friedrich-Schiller-University Jena, 2011)
 - Thesis: Characterisation of the sediment supply at Vankersvelsvlei (South Africa) using grain size analyses – title translated
- *Clausnitzer, Siegfried (**BSc**, Friedrich-Schiller-University Jena, 2011)
 - Thesis: Bathymetric and shallow seismic analyses of hydroacoustic profiles from lakes Eilandvlei, Rondevlei and Swartvlei in the Garden Route National Park, Wilderness Coastal Section, South Africa – title translated
- Wündsche, Michael (**BSc**, Friedrich-Schiller-University Jena, 2010)
 - Thesis: Documentation and characterisation of sediment cores from Lake Bernshäuser Kütte, Germany – title translated
- Stopp, Annemarie (**BSc**, University of Göttingen, 2008)
 - Thesis: Neodymium and strontium signatures of probably eolian deposited sediments from Laguna Potrok Aike, Patagonia – title translated
- Gutknecht, Benjamin (**BSc**, University of Göttingen, 2008)
 - Thesis: Organic geochemistry (CNS analyses) on a sediment core from Lake Kalimpa (Indonesia) – title translated
- Amelung, Ulrike (**State exam**, University of Greifswald, 2022)
 - Thesis: Paleomagnetic investigations on sediments from Lake Sevan, Armenia
- Rohrbach, Marius (**State exam**, University of Greifswald, 2020)
 - Thesis: Paleoenvironmental Reconstructions Based on Sedimentological Investigations of a Sediment Core from Lake Mzingazi, South Africa
- Heinze, Cirstin (**State exam**, Friedrich-Schiller-University Jena, 2017)
 - Thesis: Paleoenvironmental reconstructions on a sediment core from an oxbow lake of Touw River, South Africa – title translated
- *Greiner, Florian (**State exam**, Friedrich-Schiller-University Jena, 2017)
 - Thesis: The soil below my feet – A concept for experimental learning in nature – title translated
- Eck, Andreas (**State exam**, Friedrich-Schiller-University Jena, 2017)
 - Thesis: Sedimentological investigations on gravity cores from Haussee, Schmal- and Breiter Luzin of the Feldberger Seenland (Mecklenburg-Vorpommern) – title translated
- *Schubert, David (**State exam**, Friedrich-Schiller-University Jena, 2016)
 - Thesis: Paleocological reconstruction of sediment dynamics at Titisee (Black Forest) based on geochemical and sedimentological investigations on a 5000 year spanning core – title translated
- Sprafke, Julia (**State exam**, Friedrich-Schiller-University Jena, 2016)
 - Thesis: Limnogeological investigations at Frau-Holle-Teich at Hoher Meißner – title translated
- Wagner, Sandra (**State exam**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Environmental reconstructions based on sedimentological investigations on a core from Rondevlei, Garden Route National Park, South Africa – title translated

- Lederer, Martin (**State exam**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Investigating the distribution of major and trace elements in the surface sediments of Verlorenvlei, Western Cape, South Africa – title translated
- Reuß, Thomas (**State exam**, Friedrich-Schiller-University Jena, 2015)
 - Thesis: Investigating the distribution of major and trace elements in the surface sediments of Eilandvlei, Garden Route National Park, South Africa – title translated
- Bielert, Martin (**State exam**, Friedrich-Schiller-University Jena, 2014)
 - Thesis: Biogenic silica as paleoclimatic indicator at Nam Co (Tibet) – title translated
- *Kaufmann, Willi (**State exam**, Friedrich-Schiller-University Jena, 2010)
 - Thesis: Evaluation of methods against desertification using the examples of the Sahel and China – title translated
- *Fürstenberg, Sascha (**Diplom**, Friedrich-Schiller-University Jena, 2013)
 - Thesis: Phenotypical variation in *Leucocytherella sinensis* HUANG, 1982 – a new proxy for palaeosalinity in Tibetan lakes and its application

Supervision of international guests (Postdoc, PhD, MSc)

- Kirsten, Kelly (**Postdoc**, University of Cape Town, South Africa, 2 months DAAD scholarship for studies at University of Greifswald, 2022; 6 months DAAD scholarship for studies at Friedrich-Schiller-University Jena, 2015-2016)
- Ma, Qingfeng (**Postdoc**, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, China, 3 months scholarship from DFG priority program 1372: Tibetan Plateau: Formation-Climate-Ecosystems (TiP) for studies at Friedrich-Schiller-University Jena, 2015)
- Su, Youliang (**PhD**, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China, 3 months scholarship from DFG priority program 1372: Tibetan Plateau: Formation-Climate-Ecosystems (TiP) for studies at Friedrich-Schiller-University Jena, 2013)
- Maboya, Lillian (**MSc**, University of Cape Town, South Africa, 4 months DAAD scholarship for studies at Friedrich-Schiller-University Jena, 2017)
- Nersisyan, Araksya (**MSc**, Institute of Geological Sciences, National Academy of Sciences of Armenia, 3 months DAAD Leonhard Euler Programm at University of Greifswald, 2021)
- Sahakyan, Kristina (**MSc**, Institute of Geological Sciences, National Academy of Sciences of Armenia, 3 months DAAD Leonhard Euler Programm at University of Greifswald, 2021)
- Troelstra, Veerle (**MSc**, University College London, UK, 3 months DAAD RISE at University of Greifswald, 2021)
- Gerstler, Kaitlyn (**BSc**, The State University of New York Geneseo, USA, 3 months DAAD RISE at University of Greifswald, 2022)

University services

- Deputy Member of Award Committee for Graduate Funding of the University of Greifswald, since 2022
- Board of examiners BSc Geography, University of Greifswald, since 2020
- Internship coordinator for BSc Geography, University of Greifswald, since 2019

- Appointment committee W3-professorship for Geodynamics and Structural Geology, University of Greifswald, 2021/22
- Appointment committee W3-professorship for Applied Geology, University of Greifswald, 2021/22
- Appointment committee W3-professorship for Peat Science, University of Greifswald, 2021/22
- Appointment committee W2-professorship for Paleontology, University of Greifswald, 2019/20
- Appointment committee W3-professorship for Peat Science, University of Greifswald, 2019
- Appointment committee W2-professorship for Geographic Information Systems and Remote Sensing, University of Greifswald, 2018/19
- Institute council, Institute of Geography, Friedrich-Schiller-University Jena, representative for junior-level faculty, 2016-2018
- Board of examiners MSc Geography, Friedrich-Schiller-University Jena, 2017-2018
- Substitute board of examiners MSc Geography, Friedrich-Schiller-University Jena, 2015-2017
- Substitute faculty council, Faculty for Chemistry and Earth Sciences, Friedrich-Schiller-University Jena, 2013-2016
- Substitute appointment committee W3-professorship Physical Geography, Friedrich-Schiller-University Jena, 2015
- Appointment committee W3-professorship Economic Geography, Friedrich-Schiller-University Jena, 2013

Invited Talks

- Monsoon on the roof of the world - the road to an ICDP drilling at Lake Nam Co.
Monsoon Seminar Series, online at <https://www.monsoongeoseminars.com/>, 9 November 2022
- Umweltforschung auf dem Dach der Welt.
Open lecture at town hall of the city of Greifswald (Universität im Rathaus), Greifswald, Germany, 24 October 2022
- Die Entwicklungsgeschichte des Schweriner Sees von der Eiszeit bis heute – Befunde aus den Sedimentkernen
25. Gewässersymposium des LUNG, Bad Doberan, Germany, 22 June 2022.
- Water on the Roof of the World - What lake sediments tell us about the climatic history of Tibet.
Szczecin Geoscience Seminars, University of Szczecin, Szczecin, Poland, 14 March 2019.
- What paleolimnological investigations in Tibet tell us about Indian Monsoon – El Niño interactions.
Geoecological Colloquium, Institute of Geoecology, TU Braunschweig, Braunschweig, Germany, 19 January 2017.
- From the roof of the world to the southern tip of Africa – Global environmental change reconstructed on local sediment archives.
Appointment procedure of W2 – professorship “Physical Geography”, University of Greifswald, Greifswald, Germany, 11 July 2016.
- Limnogeology on the roof of the world – Global climate change as reflected in local Tibetan lake sediment sequences.
NugGed Seminar, Institute of Neotectonics and Natural Hazards, RWTH Aachen University, Aachen, Germany, 30 June 2016.

- An ICDP deep drilling at Lake Nam Co.
Sino-German Forum for Young Scientists, Glacier and Lake Changes in the Third Pole Region and Their Responses to Global Change, Kunming/Lijiang, China, 23 October 2015.
- New Paleomagnetic Secular Variation records from various lakes on the Tibetan Plateau.
2015 Joint Assembly, Montreal, Canada, 5 May 2015.
- Environmental Research on the Roof of the World.
Open lecture of the Chemical and Geoscience Faculty, Friedrich-Schiller-University Jena, Jena, Germany, 6 December 2014
- Lake- and Paleoenvironmental Research on the Roof of the World.
Institute of Geography, University of Erlangen-Nuremberg, Erlangen, Germany, 3 December 2014
- Tracking Monsoon Variations on the Tibetan Plateau Using Lake Sediments.
Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, China, 18 April 2014
- Paleoenvironmental Change on the Roof of the World.
Lecture series in Ecology and Environmental Research, Bayreuth Center of Ecology and Environmental Research (BayCEER), Bayreuth, Germany, 10 April 2014
- Late Quaternary Paleoclimatology and Limnogeology on the Roof of the World.
Chair in General and Historical Geology, Institute of Earth Sciences, Friedrich-Schiller-University, Jena, Germany, 29 January 2013
- Lateglacial and Holocene Monsoon Dynamics on the Central Tibetan Plateau.
Geopolar, Institute of Geography, University of Bremen, Bremen, Germany, 25 January 2011
- The day after the 8.2 ka event - What sediments tell us about the Postglacial of the Hudson Bay Marine System.
Geopolar, Institute of Geography, University of Bremen, Bremen, Germany, 16 June 2009
- Paleoenvironmental change at the southern end of the world - From the first cores to the ICDP deep-drilling PASADO.
Les Séminaires du Geotop, University of Québec at Montréal, Montréal, Canada, 19 January 2009
- From SALSA to PASADO: High-resolution multi-proxy paleoenvironmental reconstruction from Patagonian lake sediments.
ISMER (Institut des sciences de la mer de Rimouski), Rimouski, Canada, 11 June 2008
- Sediment core from the center of Laguna Potrok Aike covering 16,000 years: coring, chronology and sedimentology.
International Continental Drilling Program (ICDP) Workshop: PASADO (Potrok Aike Lake Sediment Archive Drilling Project), Río Gallegos, Argentina, 16-20 March 2006
- Tephrochronology of Laguna Potrok Aike Sediments.
International Continental Drilling Program (ICDP) Workshop: PASADO (Potrok Aike Lake Sediment Archive Drilling Project), Río Gallegos, Argentina, 16-20 March 2006

Reviews

- Alexander von Humboldt-Stiftung (AvH, Germany)
- Chilean National Science and Technology Commission (CONICYT, Chile)
- Deutsche Forschungsgemeinschaft (DFG, German Research Foundation)
- European Research Council (ERC)
- Fonds Wetenschappelijk Onderzoek – Vlaanderen (FWO, Belgium)

- FWF Der Wissenschaftsfonds (FWF Austrian Science Fund, Austria)
- Israel Science Foundation (ISF, Israel)
- National Fund for Scientific and Technological Research of Chile (FONDECYT)
- Netherlands Organisation for Scientific Research (NWO)
- rannís (The Icelandic Centre for Research, Iceland)
- Swiss National Science Foundation (SNSF)
- Global and Planetary Change
- Hydrobiologia
- International Journal of Earth Sciences (IJES)
- Journal of Environmental Sciences (JES)
- Journal of Paleolimnology (JOPL)
- Paleoceanography and Paleoclimatology
- Palaeogeography, Palaeoclimatology, Palaeoecology (PPP)
- Quaternary Geochronology (QG)
- Quaternary International (QI)
- Quaternary Science Reviews (QSR)
- Scientific Reports
- Sedimentology
- The Geological Society – Special Publications (GSL)
- The Holocene
- Zeitschrift für Geomorphologie
- Zentralblatt für Geologie und Paläontologie, Teil 1
- Springer book: “The Geography of South Africa: Contemporary Changes and New Directions“

Conference services

- Organising, Convening and Chairing of “International Online Workshop on Lake Sevan”, 4-5 December 2021
- Convening and Chairing Session: “Limnogeology and paleolimnology including lagoon systems” at GeoMünster 2019, 22-25 September 2019, Münster, Germany
- Convening and Chairing Session: “Limnogeology and Paleolimnology” at AGU Fall Meeting 2018, 10-14 December 2018, Washington, D.C., USA
- Organizing ICDP workshop on Scientific Drilling of Lake Nam Co (Tibetan Plateau, China). 22-24 May 2018. Beijing, China
- Convening and Chairing Session: “Lacustrine and marine sediments as environmental archives” at GeoBremen 2017, 24-29 September 2017, Bremen, Germany
- Convening and Chairing Session: “Limnogeology and Paleolimnology” at AGU Fall Meeting 2016, 12-16 December 2016, San Francisco, California, USA
- Chairing Session: “The particular importance of geochronological data and methods in (palaeo)geomorphology” at “AK Geomorphologie 2016” conference, 6-7 October 2016, Jena, Germany
- Co-organization of “AK Geomorphologie 2016” conference, 6-7 October 2016, Jena, Germany
- Convening Session: “Geomorphic response to climate variability and change at different timescales and frequencies: insights from surface processes and continental archives” at European Geosciences Union General Assembly 2016, 17-22 April 2016, Vienna, Austria
- Convening and Chairing Session: “Limnogeology and Paleolimnology” at AGU Fall Meeting 2015, 14-18 December 2015, San Francisco, California, USA
- Convening and Chairing Session: “Limnogeology and Paleolimnology” at AGU Fall Meeting 2014, 15-19 December 2014, San Francisco, California, USA
- Convening and Chairing Session: “Marine and lacustrine sediments as environmental archives” at GeoFrankfurt 2014, 21-24 September 2014, Frankfurt, Germany
- Convening and Chairing Session: “Environmental Change in High-Altitude Lakes” at AGU Fall Meeting 2013, 9-13 December 2013, San Francisco, California, USA
- Chairing Session: “Science Program: Drilling into a New Decade” at DOSECC Workshop “US Continental Scientific Drilling: Into a New Decade”, 23-24 May 2011, Arlington, Virginia, USA
- Organization of PhD Workshop within the DFG Priority Programme 1372 “Tibetan Plateau: Formation – Climate – Ecosystems” bringing together all groups working on lake sediments on the Tibetan Plateau. 19 November 2011, Jena, Germany
- Participation at Canadian IODP booth at AGU-GAC 2009 Joint Assembly - The Meeting of the Americas. 24-27 May 2009, Toronto, Canada
- Excursion leader at Laguna Potrok Aike during: International Continental Scientific Drilling Program (ICDP) Workshop: PASADO (Potrok Aike Lake Sediment Archive Drilling Project), 16-20 March 2006, Río Gallegos, Argentina

Other science related activities

- Virtual DAAD climapAfrica Conference, 29-30 October 2020
- International Continental Scientific Drilling Program (ICDP) Workshop: Paleoclimate, Paleoenvironment, and Paleoecology of Neogene Central America: Bridging Continents and Oceans (NICA-BRIDGE), Montelimar, Nicaragua, 2-5 March 2020
- DFG-Round-table discussion: Establishing a DFG priority program “On the way to the fluvial Anthroposphere” – title translated, Leipzig, Germany, 29 May 2019
- Workshop: A different style of lectures – Interactive teaching with large groups – title translated, Friedrich-Schiller-University Jena, Germany, 2018
- Training: Personnel management and teambuilding in projects – title translated, Friedrich-Schiller-University Jena, Germany, 2013
- GESEP Meeting: Development and acquisition of a multicomponent sediment coring system with great depth range, Potsdam, Germany, 11 July 2012
- DOSECC Annual Meeting 2012, Arlington, Virginia, USA, 21-22 May 2012
- GESEP Workshop: Developing a new sediment drilling device, Braunschweig, Germany, 10 February 2012
- DOSECC Science Planning Committee Workshop: Planning for US Continental Scientific Drilling, Arlington, Virginia, USA, 23-24 January, 2012
- Workshop: US Continental Scientific Drilling: Into a New Decade, Arlington, Virginia, USA, 23-24 May, 2010
- 2. CologneAMS-Nutzer-Workshop, Cologne, Germany, 9-10 July 2010
- Workshop: Developing the US Initiative in Continental Scientific Drilling, Arlington, Virginia, USA, 2-3 June, 2010
- INRS Intensive Winter Course 2009: Physical Properties of Sediments, Québec, Canada, 2009
- ICDP Training 2007 - Scientific Drilling Training Course, Windischeschenbach, Germany, 2007
- Workshop on marine and continental paleoclimate records from Chile and Argentina, Ghent, Belgium, 2005.
- 4th NCCR Climate Summer School – From the Holocene to the Anthropocene: Climate of the last 1000 Years, Grindelwald, Switzerland, 2005
- Didactic basic course: “Who read the text for today?” – Seminar Communication at University - Planning and Arrangement of Lectures – title translated, Bremen, Germany, 2005
- First Postgraduate Field Course on the Geomorphology and Quaternary Geology of Tierra del Fuego, Tierra del Fuego, Argentina, 2003
- Helmert Summer School: Natural climate variability from 10,000 years to present day, Potsdam, Germany, 2002
- European Graduate College in Marine Science (Ecol Mas): Organism based proxies, Bremen, Germany, 2002

Internships

- Agency for Water Management Bamberg (Germany)
- Agency for Environment-, Fire- and Emergency Services, Environmental Protection Department Bamberg (Germany)
- Researches in “Eckfelder Maar” an Eocene dry maar in the Eifel Volcanic Field (Germany) in cooperation with the “Naturhistorischen Museum” (museum for natural history) Mainz (Germany)
- Archaeological excavations and interpretations of a Bronze Age Tumulus and of parts of the historical section of the city of Bamberg (Germany) in cooperation with the Otto-Friedrich-University Bamberg (Germany)

Licenses

- International Certificate for Operators of Motorized Pleasure Crafts in Inland Waters
- Driving license

Field Experience

- 2022
 - Aknalich (Armenia)
 - Bathymetrical survey
 - Recovery of gravity cores (UWITEC)
 - Pushcores
 - Lago Enriquillo (Dominican Republic)
 - Sediment surface sampling
 - Recovery of gravity cores (UWITEC and ETH systems)
 - Water profiling
 - Water sampling
 - Laguna del Rincon (Dominican Republic)
 - Pushcores
 - Water sampling and chemistry
 - Sediment surface sampling
 - Lago en Medio (Dominican Republic)
 - Pushcores
 - Water sampling and chemistry
 - Sediment surface sampling
 - Laguna del Limon (Dominican Republic)
 - Pushcores
 - Stechlinsee (Brandenburg, Germany)
 - Hydroacoustic survey (Innomar)
 - Schweriner Innensee (Mecklenburg-Vorpommern, Germany)
 - Sediment surface sampling
 - Recovery of gravity cores (UWITEC and ETH systems)
- 2021
 - Lake Sevan (Armenia)
 - Recovery of gravity cores (UWITEC)
 - OSL sampling in outcrops
 - Lower Franconia (Bavaria, Germany)
 - Site survey, exploring potential coring sites (lakes, floodplains) for paleoenvironmental reconstructions
 - 7 x Schweriner Außensee (Mecklenburg-Vorpommern, Germany)
 - Sediment surface sampling
 - Shallow water piston coring (Greifswald equipment)
 - Recovery of gravity cores (UWITEC and ETH systems)
 - Coring with terrestrial coring equipment (Wacker motorhammer)
 - Coring with Russian Peat Corer
 - Coring with Pürckhauer
- 2020
 - Stechlinsee (Brandenburg, Germany)
 - Sediment surface sampling
 - Recovery of gravity cores (UWITEC)
- 2019
 - Hohenrother See (Lower Franconia, Bavaria, Germany)
 - Hydroacoustic survey (Innomar SES)
 - Sediment thickness measurements

- Windseller See (Lower Franconia, Bavaria, Germany)
 - Site survey
 - Richards Bay Harbour, Mhlatuze River Floodplain and Goedertrouw Dam (South Africa)
 - Coring with terrestrial coring equipment (Cobra motorhammer)
 - Coring with Wink Vibracorer
 - Coring with Russian Peat Corer
 - Coring with Pürckhauer
 - Coring with auger
 - Pushcores
 - Water sampling
 - 5 x Schweriner Außensee (Mecklenburg-Vorpommern, Germany)
 - Recovery of lacustrine sediment cores from beach ridges with terrestrial coring equipment (Wacker motorhammer)
 - Hydroacoustic survey (Innomar SES)
 - Recovery of gravity cores (UWITEC and ETH system)
 - 4 x Kiesoher Moor (Mecklenburg-Vorpommern, Germany)
 - Coring with Russian Peat Corer
 - Coring with Pürckhauer
- 2018
- Steinfurth (Mecklenburg-Vorpommern, Germany)
 - Presite survey
 - Terrestrial coring (Wacker motorhammer)
 - 2 x Richards Bay Harbour, Mlalazi and Mloti rivers and estuaries (South Africa)
 - Hydroacoustic survey
 - Water chemistry
 - Sediment surface sampling
 - Recovery of gravity cores (UWITEC)
- 2017
- Hohenroth (Lower Franconia, Bavaria, Germany)
 - Recovery of long piston cores (UWITEC)
 - River Roda and tributaries (Thuringia, Germany)
 - Water chemistry
 - Lake Schweriner Innensee (Mecklenburg-Vorpommern, Germany)
 - Hydroacoustic survey
 - Recovery of gravity cores
- 2016
- Hohenroth (Lower Franconia, Bavaria, Germany)
 - Recovery of lacustrine sediment cores from dry lake with terrestrial coring equipment (Cobra motorhammer)
 - Touw River oxbow lake (Wilderness, South Africa)
 - Recovery of push cores
 - Water chemistry
 - Haussee, Schmaler Luzin, Breiter Luzin (Mecklenburg-Vorpommern, Germany)
 - Grab samples
 - Recovery of gravity cores (UWITEC)
 - Water chemistry

- Eilandvlei (Wilderness, South Africa)
 - Geoelectric survey
 - Seismic survey (hammer-and-plate refraction survey)
 - Soil sampling
 - 2 x Vankervelsvlei (Wilderness, South Africa)
 - Pre-Site Survey
 - Piston Coring (UWITEC)
 - Water chemistry
 - 2 x Gouritz River (South Africa)
 - Pre-Site Survey
 - Sampling of flood layers in an outcrop
 - Recovery of fluvial and lacustrine sediment cores with terrestrial coring equipment (Wacker motorhammer)
 - Frau-Holle-Teich (Hoher Meißner, Germany)
 - Hydroacoustic survey
 - Recovery of gravity cores (various systems)
 - Water chemistry
 - River Roda and tributaries (Thuringia, Germany)
 - Water chemistry
- 2015
 - River Roda and tributaries (Thuringia, Germany)
 - Water chemistry
- 2014
 - Moorteich (Stralsund, Germany)
 - Hydroacoustic survey
 - Recovery of gravity cores (various types)
 - Water chemistry
 - Grab sampling
 - Knieperteich, Großer Frankenteich, Kleiner Frankenteich (Stralsund, Germany)
 - Water chemistry
 - Verlorenvlei (South Africa)
 - Recovery of long piston cores (UWITEC)
 - Water chemistry
 - Grab sampling
 - Kleiner Sumpf (Lichtenau, Germany)
 - Push cores from peat bog
 - River Roda and tributaries (Thuringia, Germany)
 - Water chemistry
- 2013
 - Bichlersee (Oberaudorf, Germany)
 - Hydroacoustic survey
 - Water chemistry
 - Recovery of gravity cores (various types)
 - Grab sampling
 - River Roda and tributaries (Thuringia, Germany)
 - Water chemistry
- 2012
 - Nam Co (Tibet)
 - Soil and sediment sampling in catchment
 - Plant sampling

- Reservoir Noßbach (Thuringia, Germany)
 - Water chemistry
 - Water sampling
 - Grab sampling
 - Tangra Yumco (Tibet)
 - Recovery of long piston core (UWITEC)
 - Xuru Co and TT-Lake (Tibet)
 - Bathymetrical mapping
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Water sampling
 - Reservoir Hohenfelden (Thuringia, Germany)
 - Bathymetric mapping
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Grab sampling
 - Water profile and sampling
 - Verlorenvlei (South Africa)
 - Water sampling
 - Sediment sampling in catchment
 - Plant sampling
- 2011
 - Taro Co, TT-Lake and Tangra Yumco (Tibet)
 - Hydroacoustic survey (Innomar)
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Water profile and sampling
 - Sampling of modern plants and inflows
 - Porstendorfer See (Thuringia, Germany)
 - Teaching limnogeological methods
 - Reservoir Hohenfelden (Thuringia, Germany)
 - Hydroacoustic survey
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Grab sampling
 - Water profile and sampling
- 2010
 - Tangra Yumco (Tibet)
 - Seismic Survey
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Water profile and sampling
 - Sampling of modern plants and inflows
 - Bernshäuser Kutte (Thuringia, Germany)
 - Seismic Survey
 - Water profile
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Recovery of long lacustrine sequences (Uwitec equipment)
 - Hainich (Thuringia, Germany)
 - Site survey
 - Loess investigations

- Porstendorfer See (Thuringia, Germany)
 - Test of seismic equipment
- 2009
 - Cruise: RV Coriolis II: St. Lawrence Estuary (Canada)
 - Gravity / Box core, grab sampling
 - Seismic, echosounding and multi beam measurements
 - CTD measurements, water sampling
 - Cruise: RV Coriolis II: St. Lawrence Estuary (Canada)
 - Test of Sparker Seismic System
 - Lac Jacques-Cartier (Canada)
 - Recovery of lacustrine sediments with various types of corers
 - Echosounding measurements
- 2008
 - Laguna Potrok Aike (Argentina)
 - ICDP (International Continental Scientific Drilling Program) deep drilling PASADO (Potrok Aike Maar Lake Sediment Archive Drilling Project)
 - Recovery of several >100 m sediment sequences with GLAD 800
 - Laguna Chaltel / Laguna Azul (Argentina)
 - Recovery of sediment traps and thermistors
 - Lutteranger (Lower Saxony, Germany)
 - Recovery of Holocene sediments with Russian Corer
 - Seeburger See (Lower Saxony, Germany)
 - Bathymetrical mapping
 - Recovery of lacustrine sediments with various types of corers
 - Water sampling
- 2007
 - Dillsgraben (Lower Saxony, Germany)
 - Test of coring equipment (modified Kajak corer / Meischner-Rumohr Lot / Uwitec short core equipment)
 - Water profile
 - Water sampling
- 2006
 - Dillsgraben (Lower Saxony, Germany)
 - Test of coring equipment (Kajak corer / Meischner-Rumohr Lot)
 - Sacrower See (Brandenburg, Germany)
 - Change of sediment traps and thermistors
 - Water profile
 - Lake Holzmaar, Meerfelder Maar, Weinfelder Maar (Eifel, Germany)
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Laguna Potrok Aike (Argentina)
 - Sampling of nitrogen fixing algae
 - Water sampling

- Lago Roca (Santa Cruz - Argentina)
 - Recovery of short cores with Kajak corer
 - Water profile
 - Echo-sounding and visibility measurements
 - Recovery of peat core
 - Water sampling
 - Lago Argentino (Argentina)
 - Recovery of short cores with Kajak corer from Brazo Sur
 - Pre-excursion for laboratory course Bremen and vicinity (Germany)
 - Identification of mire, marsh and geest locations
 - Identification of Elster and Saale moraines as well as Lauenburg Clays in sand pit Freißenbüttel
- 2005
 - 2 x Sacrower See (Brandenburg, Germany):
 - Change of sediment traps and thermistors
 - Water profiles
 - Recovery of lacustrine sediments with modified ETH-gravity corer
- 2004
 - Feldungel See (Lower Saxony, Germany)
 - Recovery of Holocene Sediments (Livingston corer)
 - Chubut and Santa Cruz Province (Argentina):
 - Collection of water samples for isotopic analyses
 - Sacrower See (Brandenburg, Germany):
 - Change of sediment traps and thermistors
 - Water profiles
 - Laguna Potrok Aike (Argentina):
 - Seismic survey with Sparker System
 - Change of sediment traps and thermistors
 - Magnetometer measurements
 - Lago del Desierto (Argentina):
 - Bathymetric mapping
- 2003
 - Laguna Azul & Laguna Potrok Aike (Argentina):
 - Seismic surveys with 3.5 kHz equipment
 - Recovery of long lacustrine sequences (Uwitec equipment)
 - Water sampling
- 2002
 - Mondsee (Austria)
 - Test of new coring equipment (Uwitec)
 - Frickenhausen (Germany):
 - Recovery of long lacustrine sequence with Uwitec equipment
- 2001
 - Hohenroth (Lower Franconia, Bavaria, Germany)
 - Recovery of Holocene peat cores
 - Frickenhausen (Lower Franconia, Bavaria, Germany)
 - Recovery of long lacustrine sequence with Usinger equipment

- 2000
 - Wetzhausen (Lower Franconia, Bavaria, Germany)
 - Holocene colluvium examinations
 - Frickenhausen (Lower Franconia, Bavaria, Germany)
 - Recovery of lacustrine sediments with modified ETH-gravity corer
 - Wettringen (Lower Franconia, Bavaria, Germany)
 - Soil examinations
- 1999
 - Wetzhausen (Lower Franconia, Bavaria, Germany)
 - Holocene colluvium and peat bog examinations