

Curriculum vitae

Personal data

Name Torben Björn Windirsch
Adress Telegrafenberg A45, 14473 Potsdam, Germany
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Date and place of birth 13.08.1993 in Berlin, Germany
ORCID ID 0000-0002-4292-6931

Education and studies

since September 2019 **PhD student** at the University of Potsdam & Alfred Wegener Institute Helmholtz Center for Polar and Marine Research, Potsdam
Topic: „*Permafrost Carbon Stabilization by Recreating a Herbivore-Driven Ecosystem*” (PeCHEc)

2016 – 2018 Geocology studies at the University of Potsdam
Degree: Master of Science
Master thesis (grade 1,6)
„*Organic Matter Characteristics in a Changing Permafrost Environment: Yukechi Alas Landscape, Central Yakutia*”
HDL: 10013/epic.2e1a8ca1-3b83-4d7f-8c7d-9d693370d7dc

2013 – 2016 Geocology studies at the University of Potsdam
Degree: Bachelor of Science
Bachelor thesis (grade 1,8)
“*Organic matter composition of polygon-patterned tundra in the Thule area (NW Greenland)*”
HDL: 10013/epic.9722e73f-6c16-4b48-a3fe-52dc85b4a6d4

2004 – 2013 Eckener-Gymnasium Berlin-Tempelhof
Degree: Abitur

2010 – 2011 St. Macartan’s College, Monaghan, Co. Monaghan, Ireland
academic year abroad

Academic history

Since 2019 Member of the Permafrost Biogeochemistry workgroup at Alfred Wegener Institute Potsdam, Germany

2017 – 2018 Member of the ERC PETA-Carb research group at Alfred Wegener Institute Potsdam, Germany

Memberships

since December 2019	Young Academy of the Geo.X Research Network
since September 2019	Permafrost Young Researcher Network
since September 2019	Association of Polar Early Career Scientists (APECS)
since March 2019	German Society of Polar Research (DGP)

Research experience

September 2020	field campaign to northern Finland for the PeCHEc project
July 2019	field campaign to Cherskiy, north-eastern Siberia, for my PhD project PeCHEc vegetation and soil sampling
June 2018 – July 2018	internship at the Abisko research station, northern Sweden seasonal phenology development and monitoring
2016 – 2018	student assistant at Alfred Wegener Institute lab work for sedimentology

Volunteer work

2019 – 2020	Doctoral representative (“DokTeam”) at AWI Potsdam
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Further qualifications

2020 – 2021	“Junior Teaching Professionals” certificate from the Potsdam Graduate School
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Publications

Paper - first author

T. Windirsch, G. Grosse, M. Ulrich, L. Schirrmeister, A. N. Fedorov, P.Ya. Konstantinov, M. Fuchs, L. L. Jongejans, J. Wolter, and J. Strauss (2019) *Organic Carbon Characteristics in Heterogeneous Ice-rich Permafrost in Yukechi Alas and Yedoma Deposits, Central Yakutia, Siberia*, Biogeosciences, doi: 10.5194/bg-17-3797-2020

Paper - co-author

T. A. Davidson, S. Wetterich, K. L. Johansen, B. Grønnow, **T. Windirsch**, E. Jeppesen, J. Syväranta, J. Olsen, I. González-Bergonzoni, A. Strunk, N. K. Larsen, H. Meyer, J. Søndergaard, R. Dietz, I. Eulears, and A. Mosbech (2018) *The history of seabird colonies and the North Water ecosystem: contributions from palaeoecological and archaeological evidence*, *Ambio* 47(2), 175-192, doi: 10.1007/s13280-018-1031-1

S. Wetterich, T. A. Davidson, A. Bebrov, T. Opel, **T. Windirsch**, K. L. Johansen, I. González-Bergonzoni, A. Mosbech, and E. Jeppesen (2019) *Stable isotope signatures of Holocene syngenetic permafrost trace seabird presence in the Thule District (NW Greenland)*, Biogeosciences, 16, 4261-4275, doi: 10.5194/bg-16-4261-2019

Jongejans, L.L., Liebner, S., Knoblauch, C., Mangelsdorf, K., Ulrich, M., Grosse, G., Tanski, G., Fedorov, A.N., Konstantinov, P.Y., **Windirsch, T.**, Wiedmann, J. and Strauss, J. (2021), *Greenhouse gas production and lipid biomarker distribution in Yedoma and Alas thermokarst lake sediments in Eastern Siberia*, Glob. Change Biol. Doi: 10.1111/gcb.15566

Data publication

T. Windirsch, G. Grosse, M. Ulrich, L. Schirrmeister, A. N. Fedorov, P. Ya. Konstantinov, M. Fuchs, and J. Strauss (2019) *Organic material, sediment and ice characteristics of two permafrost cores from Yukechi Alas, Central Yakutia*, PANGAEA, doi: 10.1594/PANGAEA.89875

T. Windirsch, G. Grosse, M. Ulrich, L. Schirrmeister, A. N. Fedorov, P. Konstantinov, M. Fuchs, L. Jongejans, J. Wolter, T. Opel, and J. Strauss (2020): *Detailed core log of deep permafrost core YUK15-YED1*, PANGAEA, doi: 10.1594/PANGAEA.914874

T. Windirsch, G. Grosse, M. Ulrich, L. Schirrmeister, A. N. Fedorov, P. Konstantinov, M. Fuchs, L. Jongejans, J. Wolter, T. Opel, and J. Strauss (2020): *Detailed core log of deep permafrost core YUK15-Alas1*, PANGAEA, doi: 10.1594/PANGAEA.914876