



Kirstin Schulz

Curriculum vitae

Work Experience

- May 2023 – present **Research Associate**, *Computational Research in Ice and Ocean Systems group (CRIOS), The University of Texas at Austin*, supervisor: Dr. P. Heimbach.
- Sep 2021 – May 2023 **Research Fellow**, *Computational Research in Ice and Ocean Systems group (CRIOS), The University of Texas at Austin*, supervisor: Dr. A. T. Nguyen.
Project: NSF AccelNet Greenland Ice Sheet Ocean Interaction Network (GRISO).
- Apr 2019 – Aug 2021 **Postdoctoral Researcher**, *Alfred Wegener Institut, Helmholtz Centre for Polar and Marine Research*, Bremerhaven, supervisors: Dr. M. Janout/Dr. Y.-D. Lenn.
Project: Primarily productivity driven by escalating Arctic nutrient fluxes (PEANUTS).
- Dec 2018 – Mar 2019 **Postdoctoral Researcher**, *Royal Netherlands Institute for Sea Research, Department of Estuarine and Delta Systems*, Yerseke, supervisor: Dr. Dick van Oevelen.
Project: A trans-Atlantic assessment and deep-water ecosystem-based spacial management plan for Europe (ATLAS).
- Dec 2016 – Nov 2018 **Postdoctoral Researcher**, *Royal Netherlands Institute for Sea Research, Department of Estuarine and Delta Systems*, Yerseke, supervisor: Dr. Theo Gerkema.
Project: Sediment for the salt marshes: Physical and ecological aspects of a mud motor.

Education

- Mar 2017 **PhD Physical Oceanography**, *University of Rostock/Leibniz Institute for Baltic Sea Research Warnemünde*, Germany, supervisor: PD Dr. Lars Umlauf.
Project: The Service of Sediments in German Coastal Seas (SECOS).
- Jun 2013 **M.Sc. Applied Mathematics**, *Technical University Clausthal*, Germany.
Fields: Analysis, Discrete Mathematics and Optimization, Numerics, Computer Sciences
- 2012 **Term Abroad (ERASMUS)**, *Queen's University Belfast*, Northern Ireland.
- Jun 2011 **B. Sc. Applied Mathematics**, *Technical University Clausthal*, Germany.
Field of Application: Engineering

Peer-Reviewed Publications

submitted manuscripts:

M. Smith, H. Angot, E. Chamberlain, E. Droste, S. Karam, M. Mulwijk, A. Webb, S. Archer, I. Beck, B. Blomquist, J. Bowman, M. Boyer, D. Bozzato, M. Chierici, J. Creamean, A. D'Angelo, B. Delille, I. Fer, A. Fong, A. Fransson, N. Fuchs, J. Gardner, M. Granskog, C. Hoppe, M. Hoppema, M. Hoppmann, S. Muller, O. Müller, M. Nicolaus, D. Nomura, T. Petäjä, E. Salganik, J. Schmale, K. Schmidt, **K. Schulz**, M. Shupe, J. Stefels, L. Thielke, S. Tippenhauer, A. Ulfso, M. van Leeuwe, M. Webster, M. Yoshimura, L. Xhan. Critically important, yet forgotten: thin and transient meltwater layers and false bottoms in the Arctic sea ice pack. (*Elementa*, *subm. Feb 2023*)

T. Baumann, I. Fer, **K. Schulz**, V. Mohrholz. Quantifying Turbulence from Standard Observations: Revisiting Finescale Parameterizations in the Arctic Ocean. (*JGR:Oceans*, *subm. March 2022*)

accepted and published manuscripts:

C. Mohn, J. Hansen, M. Carreiro-Silva, S. Cunningham, E. de Froe, C. Dominguez-Carrió, S. Gary, R. Glud, C. Göke, C. Johnson, T. Morato, E. Møller, L. Rovelli, **K. Schulz**, K. Soetaert, A. van der Kaaden, D. van Oevelen. Tidal to decadal scale hydrodynamics at two contrasting cold-water coral sites in the Northeast Atlantic. (*Progress in Oceanography*, *accepted Apr. 2023*)

K. Schulz, D. Kadko, V. Mohrholz, M. Stephens, I. Fer (**2023**). Winter vertical diffusion rates in the Arctic Ocean, estimated from ⁷Be measurements and dissipation rate profiles. *Journal of Geophysical Research: Oceans*, e2022JC019197.

E. Ruiz-Castillo, M. Janout, J. Hölemann, T. Kanzow, **K. Schulz**, V. Ivanov (**2023**). Structure and seasonal variability of the Arctic Boundary Current north of Severnaya Zemlya. *Journal of Geophysical Research: Oceans*, 128(1), e2022JC018677.

D. S. van Maren, C. Maushake, J.-W. Mol, D. van Keulen, J. Jürges, J. Vroom, H. Schuttelaars, T. Gerkema, **K. Schulz**, T. H. Badewien, M. Gerriets, A. Engels, A. Wurpts, D. Oberrecht, A. J. Manning, T. Bailey, L. Ross, V. Mohrholz, D. M. L. Horemans, M. Becker, D. Post, C. Schmidt, P. J. T. Dankers (**2023**). Synoptic observations of sediment transport and exchange mechanisms in the turbid Ems estuary: The EDoM campaign. *Earth System Science Data*, 15(1), 53-73.

A. Rogge, M. Janout, N. Zakharova, E. Trudnowska, C. Hoerstmann, C. Wekerle, L. Oziel, V. Schourup-Kristensen, E. Ruiz-Castillo, **K. Schulz**, V. Povazhnyy, M. Iversen, A. Waite (**2023**). Carbon dioxide sink in the Arctic Ocean from cross-shelf transport of dense Barents Sea water. *Nature Geoscience*, 16(1), 82-88.

K. Schulz, A. Nguyen, H. Pillar (**2022**). An Improved and Observationally-Constrained Melt Rate Parameterization for Vertical Ice Fronts of Marine Terminating Glaciers. *Geophysical Research Letters*, 49(18), e2022GL100654.

K. Schulz, V. Mohrholz, I. Fer, M. Janout, M. Hoppmann, J. Schaffer, Z. Koenig (**2022**). A full year of turbulence measurements in the Arctic Ocean, MOSAiC drift campaign, 2019–2020. *Scientific Data* 9(1), 1-11.

Y. Kawaguchi, Z. Koenig, D. Nomura, M. Hoppmann, J. Inoue, Y.-C. Fang, **K. Schulz**, M. Gallagher, C. Katlein, M. Nicolaus, B. Rabe (**2022**). Turbulent Mixing During Late Summer in the Ice–Ocean Boundary Layer in the Central Arctic Ocean: Results From the MOSAiC Expedition. *Journal of Geophysical Research: Oceans* 127(8), e2021JC017975.

K. Schulz, B. Lincoln, V. Povazhnyy, T. Rippeth, Y.-D. Lenn, M. Janout, M. Alkire, B. Scannell, S. Torres-Valdés (2022). Increasing nutrient fluxes and mixing regime changes in the eastern Arctic Ocean. *Geophysical Research Letters*, 49(5), e2021GL096152.

B. Rabe, C. Heuzé, J. Regnery, Y. Aksenov, J. Allerholt, M. Athanase, Y. Bai, C. Basque, D. Bauch, T. Baumann, D. Chen, S. Cole, L. Craw, A. Davies, E. Damm, K. Dethloff, D. Divine, F. Doglioni, F. Ebert, Y.-C. Fang, I. Fer, A. Fong, R. Gradinger, M. Granskog, R. Graupner, C. Haas, H. He, Y. He, M. Hoppmann, M. Janout, D. Kadko, T. Kanzow, S. Karam, Y. Kawaguchi, Z. Koenig, B. Kong, R. Krishfield, T. Krumpfen, D. Kuhlmeiy, I. Kuznetsov, M. Lan, R. Lei, T. Li, S. Torres-Valdés, L. Lin, L. Lin, H. Liu, N. Liu, B. Loose, X. Ma, R. MacKay, M. Mallet, R. Mallett, W. Maslowski, C. Mertens, V. Mohrholz, M. Muilwijk, M. Nicolaus, J. O'Brien, D. Perovich, J. Ren, M. Rex, N. Ribeiro, A. Rinke, J. Schaffer, I. Schuffenhauer, **K. Schulz**, M. Shupe, W. Shaw, V. Sokolov, A. Sommerfeld, G. Spreen, T. Stanton, M. Stephens, J. Su, N. Sukhikh, A. Sundfjord, K. Thomisch, S. Tippenhauer, J. Toole, M. Vredenburg, M. Walter, H. Wang, L. Wang, Y. Wang, M. Wendisch, J. Zhao, M. Zhou, J. Zhu (2022). Overview of the MOSAiC expedition: Physical Oceanography. *Elementa: Science of the Anthropocene* 10(1).

K. Schulz, S. Büttner, A. Rogge, M. Janout, J. Hölemann, T. Rippeth (2021). Turbulent mixing and the formation of an intermediate nepheloid layer above the Siberian continental slope. *Geophysical Research Letters*, 48(9), e2021GL092988.

K. Schulz, M. Janout, Y.-D. Lenn, E. Ruiz-Castillo, I. Polyakov, V. Mohrholz, S. Tippenhauer, K. Reeve, J. Hölemann, B. Rabe, M. Vredenburg (2021). On the along-slope heat loss of the boundary current in the eastern Arctic Ocean. *JGR: Oceans*, 126(2), e2020JC016375.

K. Schulz, K. Klingbeil, C. Morys, T. Gerkema (2021). The fate of mud nourishment in response to short-term wind forcing. *Estuaries and Coasts*, 44.1: 88-102.

K. Schulz, K. Soetaert, C. Mohn, L. Korte, F. Mienis, G. Duineveld, D. van Oevelen (2020). Linking large-scale circulation patterns to the distribution of cold water corals along the eastern Rockall Bank (northeast Atlantic). *Journal of Marine Systems*, 212, 103456.

K. Schulz, H. Burchard, V. Mohrholz, P. Holtermann, H. Schuttelaars, M. Becker, C. Maushake, T. Gerkema (2020). Intratidal and spatial variability over a slope in the Ems estuary: robust along-channel SPM transport versus episodic events. *Estuarine, Coastal and Shelf Science*, 243, 106902.

I. Bartl, D. Hellemann, C. Rabouille, **K. Schulz**, P. Tallberg, S. Hietanen, M. Voss (2019). Particulate organic matter controls benthic microbial N retention and N removal in contrasting estuaries of the Baltic Sea. *Biogeosciences* 16.18, 3543-3564.

C. van der Boog, M. F. de Jong, M. Scheidat, M. Leopold, S. Geelhoed, **K. Schulz**, H. Dijkstra, J. Pietrzak, C. Katsmann (2019). Hydrographic and Biological Survey of a Surface-Intensified Anticyclonic Eddy in the Caribbean Sea. *Journal of Geophysical Research: Oceans*, 124(8).

M. Baptist, T. Gerkema, B.C. van Prooijen, D.S. van Maren, M. van Regteren, **K. Schulz**, I. Colosimo, J. Vroom, T. van Kessel, B. Grasmeyer, P. Willemsen, K. Elschot, A.V. de Groot, J. Cleveringa, E.E. van Eekelen, F. Schuurman, H.J. de Lange, M.E.B. van Puijenbroek (2019). Beneficial use of dredged sediment to enhance salt marsh development applying a Mud Motor. *Ecological Engineering*, 127, 312-323.

I. Bartl, I. Liskow, **K. Schulz**, L. Umlauf and M. Voss (2018). River plume and bottom boundary

layer – hotspots for nitrification in a coastal bay? *Estuarine, Coastal & Shelf Sciences*, 208, 70–82.

K. Schulz, T. Gerkema (2018). An inversion of the estuarine circulation by sluice water discharge and its impact on sediment transport. *Estuarine, Coastal & Shelf Sciences*, 200, 31–40.

K. Schulz, T. Endoh and L. Umlauf (2017). Slope-induced tidal straining: Analysis of rotational effects. *Journal of Geophysical Research: Oceans*, 122(3), 2069–2089.

K. Schulz, and L. Umlauf (2016). Residual transport of suspended material by tidal straining near sloping topography. *Journal of Physical Oceanography*, 46(7), 2083 – 2102.

Other Publications

D. Thomas, D. Arévalo-Martínez, K. Crocket, F. Große, J. Grosse, **K. Schulz**, R. Sühring, A. Tessin (2022). A changing Arctic Ocean. *Ambio* 51, 293–297.

K. Schulz (2017). Suspended sediment transport near sloping topography. *PhD Thesis*.

Published data sets (main author only)

K. Schulz; V. Mohrholz; I. Fer; M. Janout; M. Hoppmann; J. Schaffer; Z. Koenig; B. Rabe; C. Heuzé; J. Regnery; J. Allerholt; Y.-C. Fang; H. He; T. Kanzow; S. Karam; I. Kuznetsov; B. Kong; H. Liu; M. Muilwijk; I. Schuffenhauer; N. Sukhikh; A. Sundfjord; S. Tippenhauer (2022). Turbulent microstructure profile (MSS) measurements from the MOSAiC drift, Arctic Ocean. PANGAEA

K. Schulz; T. Gerkema (2018). Mud Motor - Tidal channel. 4TU Centre for Research Data.

Invited talks

"Vertical Mixing in a Changing Arctic Ocean."

(*Caltech Physical Oceanography Symposium*, Pasadena, U.S.A., January 2023.)

"Research programs: GRenland Ice Sheet-Ocean interactions (GRISO)"

(*Joint Commission on Ice-Ocean Interactions (JCIOI) virtual workshop*, October 2022.)

"Mixing in a Changing Arctic Ocean."

(*UTIG Seminar Series*, Austin, U.S.A., October 2022.)

"Extreme events in the ocean: Episodic vigorous mixing above the continental slope."

(*Aspen Global Change Institute Workshop: Arctic Climate and Weather Extremes: Detection, Attribution, and Future Projection*, Aspen, U.S.A., May 2022.)

"A new mechanism for turbulent mixing and the formation of an intermediate nepheloid layer above the Siberian continental shelf break."

(*Virtual European Physical Oceanography and Shelf Sea Seminar Series*, April 2021.)

"How the Arctic Ocean differs from the Baltic Sea - Impressions from MOSAiC, polar bears, and the importance of boundary mixing."

(*Leibniz Institute for Baltic Sea Research*, Warnemünde, Germany, January 2021.)

"Slope-induced tidal straining – a missing link for transport in the ocean? "

(*Technical University Eindhoven*, Eindhoven, The Netherlands, October 2018.)

Selected Scientific Talks

- "Vertical diffusion rates and heat fluxes in the upper Arctic Ocean"
(*2nd MOSAiC Science Conference*, Boulder, Colorado, February 2023.)
- "An Improved and Observationally-Constrained Melt Rate Parameterization for Vertical Ice Fronts of Marine Terminating Glaciers"
(*AGU Fall Meeting*, Chicago, U.S.A., December 2022)
- "Vigorous Mixing Events Above the Arctic Ocean Continental Slope: A New Energy Conversion Mechanism at High Latitudes."
(*Gordon Kenan Research Seminar Ocean Mixing*, South Hadley, U.S.A., June 2022.)
- "Team OCEAN's microstructure measurements: The most extensive turbulence data set in the central Arctic Ocean (so far...)"
(*First International MOSAiC Science Conference Workshop*, Potsdam, Germany, April 2022.)
- "The response of diapycnal nutrient fluxes to a changing eastern Arctic Ocean."
(*Virtual European Physical Oceanography and Shelf Sea Seminar Series*, February 2022.)
- "Boundary layer and interior region exchange at high latitudes."
(*Warnemünder Turbulence Days* (virtual), December 2021.)
- "Turbulence, heat fluxes and the thermohaline structure along the eastern Arctic continental slopes in 2018."
(*Warnemünder Turbulence Days*, Vilm, Germany, December 2019.)
- "On the Atlantic Water heat in the Arctic Boundary along the Eurasian slope: Atlantic Water heat loss processes around Vilkitsky Strait."
(*Workshop: Towards a new Arctic Climate System*, St. Petersburg, Russia, December 2019.)
- "The effect of tides, wind, and fresh water on sediment transport in the Wadden Sea."
(*Physics of Estuaries and Coastal Seas Conference*, Galveston, Texas, U.S.A, October 2018.)
- "Unraveling the decisive factors for the transport of sediment as a supply for salt-marsh growth."
(*NCK days*, Haarlem, The Netherlands, March 2018.)
- "Slope-induced tidal straining: Analysis of rotational effects."
(*Liège Colloquium - Marine Turbulence Re3-visited*, Liège, Belgium, May 2017.)
- "Slope-induced tidal straining: Analysis of rotational effects."
(*Physics of Estuaries and Coastal Seas Conference*, Scheveningen, The Netherlands, October 2016.)
- "Residual Transport of Suspended Sediment by Tidal Straining near Sloping Topography."
(*Ocean Sciences Meeting*, New Orleans, Louisiana, U.S.A., February 2016.)
- "Residual Transport of Suspended Sediment by Tidal Straining near Sloping Topography."
(*Warnemünder Turbulence Days*, Vilm, Germany, September 2015.)
- "Residual Transport of Suspended Sediment by Tidal Straining near Sloping Topography."
(*Gordon Kenan Research Seminar*, Biddeford, Maine, U.S.A., June 2015.)

Selected Outreach Activities

TV interview: "Oceans are melting Greenland's glaciers 100x faster than originally thought; new report finds", *KXAN*. January 11, 2023.

Interview series: "Tell me about your paper..." *YouTube GRISO channel*. Interviews with early career scientists about their recent, Greenland-related publications.

Interview contribution (radio broadcast): "Kortex", *M94.5*. February 22, 2022.

Virtual public lecture: "MOSAiC – Eine Expedition ins nicht-so-ewige Eis", Ringvorlesung *Nachhaltig*. April 28, 2021.

Wissenschaft fürs Wohnzimmer: "Mein Sommer in der Arktis und das Ende der MOSAiC Scholle", *Youtube*. February 18, 2021.

Interview contribution (Youtube): "Klimawandel stoppen: Warum es nur 1,5 Grad wärmer werden darf", *PlanetB* by German public broadcast service BR. January 14, 2021.

Live on Instagramm (with Sandro Dahlke, AWI Potsdam): MOSAiC Coffee Break spezial - Q&A after the MOSAiC documentary broadcast. November 16, 2020.

Interview contribution (Youtube): "Klimakatastrophe! Schützt uns die Politik?", *represent* by German public broadcast service Funk, on behalf of Fridays for Future. October 29, 2020.

Podcast interview: Neutron - Neues aus der Wissenschaft: "Was passiert eigentlich in der Arktis?", October 21, 2020.

Studio interview (live TV): "Aktuelle Stunde", WDR, October 12, 2020.

Podcast interview: Tagesticket - Der Früh-Podcast (BR): "Das Schiff in der Eisscholle - so lief die Arbeit an der bisher größten Arktis-Expedition", October 12, 2020.

Live on Instagramm (with Morven Mulwijk, University of Bergen): MOSAiC Coffee Break no. 6 - Impressions from MOSAiC leg 4 (also featured on Youtube).

Article in the German magazine mare: "Work-out auf driftendem Eis." *mare*, no. 141, 2020.

Podcast interview: Treibholz - Ozeanographie mit Maxie und Ronja, no. 33 - "Turbulenzen im Styroporbecher (MOSAiC-Expedition)", May 17, 2020.

Public lecture: "MOSAiC - Die größte Arktisexpedition aller Zeiten." *Lange Nacht der Nachhaltigkeit*, TU Clausthal, Germany, December 07, 2019.

Awards

2023 **MOSAiC Early Career Researcher travel grant, \$1.919.68**

2022 **International Arctic Science Committee (IASC) travel grant, €1.178,69**

Other Activities

Feb 2022 Session Convenor, 2nd MOSAiC Science Conference, Boulder
(Vertical and Lateral Transport in the Ocean)

2023 Member of the Polar Postdoc Leadership Workshop Organizing Team
(hosted by the Polar Science Early Career Community Office, PSECCO)

since 2020 Associate Member of the SCOR working group *ATOMIX*
(Analysing ocean turbulence observations to quantify mixing)

Dec 2021 Session Co-Convenor, AGU Fall Meeting, New Orleans

(Coupled-System Processes of the Central Arctic System)

2020-2021 Guest editor for the Ambio Special Issue *Changing Arctic Ocean*.

2019–2021 Elected member of the Postdoc Representative Team (AWI).

Expeditions

- Jun/Jul 2022 **RV Sanna**, *Uummannaq Fjord System, West Greenland*, 14 days
VMP250 operations.
- Aug 2020 **Akademik Tryoshnikov**, *Fram Strait*, 2 weeks
OCEAN team lead, recovery of ice buoys (DTOP, CTD chains, ITP).
- Jun–Aug 2020 **MOSAiC - RV Polarstern**, *Central Arctic/Fram Strait*, 3 months
OCEAN team lead for MOSAiC leg 4; coordination of ocean turbulence measurements for the entire MOSAiC campaign; microstructure turbulence measurements, CTD, ADCP, T-POP deployments, mooring recoveries, nutrient samples.
- Jul 2019 **RV Sanna**, *Disko Bay, West Greenland*, 10 days
CTD, SUNA and LISST 200-X operation, water samples, filtration.
- 2017/2018 **RV Navicula**, *Wadden Sea, Ems-Dollart Estuary, South Holland Delta System*, several short cruises (1-3 days), partly as Chief Scientist
Sediment samples, water samples, moorings, microstructure profiling, CTD, VMADCP, ...
- Feb 2018 **RV Pelagia**, *Caribbean Sea*, 7 days
CTD operation, water samples, current measurements and Salinometer analysis.
- Oct 2017 **RV Navicula**, *Dutch Wadden Sea*, 5 days, Chief Scientist
Deployment of moorings, current and CTD measurements, water samples
- Oct 2016 **RV Navicula**, *Dutch Wadden Sea*, 5 days
Deployment of moorings, current and CTD measurements, water samples.
- Jan 2016 **RV Maria S. Merian**, *North Sea and Baltic Sea*, 25 days
Microstructure turbulence measurements.
- Apr 2015 **RV Elisabeth Mann Borgese**, *Baltic Sea*, 8 days
Microstructure turbulence measurements.
- Jan 2015 **RV Elisabeth Mann Borgese**, *Baltic Sea*, 9 days
Deployment of moorings, processing of sediment samples.
- Jun 2014 **RV Elisabeth Mann Borgese**, *Baltic Sea*, 12 days
Deployment of moorings, processing of sediment samples.
- Mar–Apr 2014 **RV Alkor**, *Baltic Sea*, 12 days
Microstructure turbulence measurements.

Teaching Experience

- July 2022 **Greenland Ice Sheet Ocean Science Network Summer School**, *Nuuk, Greenland*.
Impacts of glacier retreat on Greenland's coastal margins (2 weeks).
- March 2021 **NF-POGO Centre of Excellence in Observational Oceanography**, *Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Helgoland*
Introduction to Physical Oceanography (part 1/2, one week) - remote course.

- March 2020 **NF-POGO Centre of Excellence in Observational Oceanography**, *Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Helgoland*
Introduction to Physical Oceanography (part 1/2, one week).
- July 2018 **Marine Masters course**, *Royal NIOZ, Texel*
Ship-based oceanographic measurements, practical part (1 week).
- July 2017 **Marine Masters course**, *Royal NIOZ, Texel*
Ship-based oceanographic measurements (2 weeks).
- 2016 **Master thesis co-supervision**, *University of Rostock*
Jan-Torben Witte: Analysis of tidal straining and transport of suspended material near a uniform rotating slope.
- 2015 **Master thesis co-supervision**, *University of Rostock*
Ronja Ebner: Modelling of Surface Waves in the Western Baltic Sea.
- 2014 – 2016 **Research Assistant, Institute for Physics**, *University of Rostock*
- 2009 – 2011 **Student Research Assistant, Institute for Mathematics**, *TU Clausthal*

Summer and Winter Schools

- Sep 2014 **KüNO summer school on marine benthic habitats**, *Alfred-Wegener Institute, Helmholtz Centre Geesthacht, Leibniz Institute for Baltic Research Warnemünde., Lauenburg, Germany*
(11 days)
organiser: Dr. Götz Flöser
- Feb 2014 **Modeling mixing and transport in lakes, harbors and estuaries**, *The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy*
(3 days)
organisers: Dr. Joseph J. Niemela, Prof. Dr. Vincenzo Armenio

Other skills

- programming /scripting: Matlab, Fortran77, Fortran90; \LaTeX (fluent)
R, shell, Python, Java, C (basic)
- ocean modeling: MIT General Circulation Model (MITgcm);
General Estuarine Transport Model (GETM);
General Ocean Turbulence Model (GOTM);
Framework for Aquatic Biogeochemical Models (FABM);
Simulating WAVes Nearshore (SWAN).
- applications: Overleaf; vim; zoom; Microsoft Teams; slack; git; svn; Inkscape.
- languages: German (native); English (excellent); Spanish, French, Dutch (basic).