Curriculum Vitae

Reint Pieter Brons Fischer
Graduate Research Assistant, Department of Atmospheric and Oceanic Science (AOSC), University of Maryland (UMD), College Park, MD, USA
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Education

2021 – date Ph.D. student, Atmospheric and Oceanic Science, University of Maryland, USA
2020 M.S. Climate Physics, Utrecht University, The Netherlands
2017 B.S. Soil, Water, Atmosphere, Wageningen University, The Netherlands
2012 Pre-University degree, Leiden University, The Netherlands

Work experience

2021 – date Graduate Research Assistant, Department of Atmospheric and Oceanic Science, University of Maryland, USA
2020 – 2021 Junior Researcher, Institute of Marine and Atmospheric Research Utrecht, Utrecht University, The Netherlands
2019 – 2020 Teaching Assistant, Morphodynamics of Tidal Systems, Utrecht University, The Netherlands
2017 Laboratory Teaching Assistant, General Chemistry, Wageningen University, The Netherlands
2013 – 2014 Tutor, After's Cool Benoordenhout, The Netherlands

Publications

2023 in prep. **Fischer, R.**, Farrell, S. L., Kuhn, J. M., Duncan, K.: Understanding Decadal-scale Dynamics in the Bering Sea: Investigating trends and variability in sea ice, winds and waves.
2022 **Fischer, R.**, Lobelle, D., Kooi, M., Koelmans, A., Onink, V., Laufkötter, C., Amaral-Zettler, L., Yool, A., and van Sebille, E.: Modelling submerged biofouled microplastics and their vertical trajectories, *Biogeosciences*, *19*, 2211–2234, https://doi.org/10.5194/bg-19-2211-2022, 2022.
2021 Kehl, C., **Fischer, R. P. B.**, and van Sebille, E.: Practices, Pitfalls and Guidelines in Visualising Lagrangian Ocean Analyses, *ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci.*, *V-4-2021*, 217–224, https://doi.org/10.5194/isprs-annals-V-4-2021-217-2021, 2021.

Conference presentations

Oral presentations

2023 **Fischer, R.**, S.L. Farrell, J.M. Kuhn, K. Duncan (2023). Decadal-scale trends and variability in Bering Sea ice extent, wind and wave conditions, The 28th International Union of Geodesy and Geophysics General Assembly, Berlin, Germany, July 16 2023
2023 **Fischer, R.**, S.L. Farrell, J.M. Kuhn, K. Duncan (2023). Understanding Decadal-scale Trends in Altimeter-derived Significant Wave Height in the Bering Sea, University of

Maryland Atmospheric and Oceanic Science Department Seminar, College Park, MD, February 16 2023

2022 **Fischer, R.**, S.L. Farrell, J.M. Kuhn, K. Duncan (2022). Understanding Decadal-scale Trends in Altimeter-derived Significant Wave Height in the Bering Sea, 2022 Ocean Surface Topography Science Team Meeting, Venice, Italy, November 3 2022 https://doi.org/10.24400/527896/a03-2022.3466

2022 **Fischer, R.**, D. Lobelle, M. Kooi, A. Koelmans, V. Onink, C. Laufkötter, L. Amaral-Zettler, A. Yool, E. van Sebille (2022). Modeling submerged biofouled microplastics and their vertical trajectories, UBC Physical Oceanography Seminar, Online, August 11 2022

Posters

2022 **Fischer, R.**, S.L. Farrell, J.M. Kuhn, K. Duncan (2022). Significant Wave Height Extremes at the Frontier of Winter Sea Ice Loss in the Bering Sea, 2002-2022, Oceans from Space V, Venice, Italy, October 24-28 2022

University and Community Service

2022 AOSC Department Seminar Student Coordinator, University of Maryland, College Park, USA
2022 College of Computer, Mathematical and Natural Sciences (CMNS) TerrapinSTRONG Facilitator, University of Maryland, College Park, USA
2014 Volunteer Assistant, Orphanage Recanto São Francisco, Extrema, Brazil
2014 Volunteer Assistant Manager, FIFA World Cup, São Paulo, Brazil
2016 – 2017 Soccer Coach under 9 at SKV 1930, Wageningen, The Netherlands

Computer and Technical Skills

- Python | Advanced
- GMT | Advanced
- R | Basic
- Matlab | Basic

Advisor

PhD Advisor: Dr. Sinead Louise Farrell, University of Maryland, College Park, MD, USA
M.S. Advisor: Dr. Erik van Sebille, Utrecht University, Utrecht, The Netherlands

Professional Associations

American Geophysical Union (AGU) Student Membership