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EDUCATION: B.Sc. 2010 University of Göttingen, Germany
M.Sc. 2012 Lincoln Univ., New Zealand; Univ. of Göttingen, Germany
Ph.D. 2017 Université Laval, Canada.

PROFESSIONAL EXPERIENCE:

2017- Postdoc, Hatfield Marine Science Center, Oregon State Univ.
2013-16 Volunteer data analyst for The Ocean Cleanup
2009 Research assistant, Max-Planck-Institute (MPI) for Biophysical
Chemistry, Göttingen, Germany

RELEVANT PUBLICATIONS:

- Huettmann, F., Craig, E.H., Herrick, K.A., Baltensperger, A.P., Humphries, G.R.W., Lieske, D., Miller, K., Mullet, T.C., Opper, S., Resendiz, C., Rutzen, I., Schmid, M.S., Suwal, M.K., Young, B. (in press): Use of machine learning (ML) for predicting and analyzing ecological and 'location only' data: an overview of applications and an outlook. In: Huettmann, F., et al. (eds.) Machine Learning. **Springer**, New York.
- Lieske, D.J., Mahoney, M., Schmid, M.S. (in press): Ensembles of ensembles: combining the predictions from multiple machine learning methods. In: Huettmann, F., et al. (eds.) Machine Learning. **Springer**, New York.
- Grigor, J.J., Schmid, M.S., Caouette, M., St-Onge, V., Barthélémy, R., (in review): Arrow worms: tigers or sheep of the zooplankton? Signals of carnivory and omnivory in two Arctic chaetognath species. **PeerJ**.
- Schmid, M.S., Maps, F., Fortier, L. (2018): Lipid load triggers migration to diapause in Arctic *Calanus* copepods—insights from underwater imaging. **Journal of Plankton Research**, 40:311-325. <https://doi.org/10.1093/plankt/fby012>.
- Grigor J.J., Schmid, M.S., Fortier, L. (2017) Growth and reproduction of the chaetognaths *Eukrohnia hamata* and *Parasagitta elegans* in the Canadian Arctic Ocean: Capital breeding versus income breeding. **Journal of Plankton Research**, 39:910-929. <https://doi.org/10.1093/plankt/fbx045>.
- Schmid, M.S., Aubry, C., Grigor, J., Fortier, L. (2016): The LOKI underwater imaging system and an automatic identification model for the detection of zooplankton taxa in the Arctic Ocean. **Methods in Oceanography**, 15-16:129-160. <http://dx.doi.org/10.1016/j.mio.2016.03.003>.

- Kooi, M., Reisser, J., Slat, B., Ferrari, F., Schmid, M.S., Cunsolo, S., Brambini, R., Noble, K., Sirks, L-A., Linders, T.E.W., Schoeneich-Argent, R., Koelmans, A.A. (2016): In Depth: correcting plastic sea surface measurements for vertical mixing. **Scientific Reports** 6, 33882. <http://dx.doi.org/10.1038/srep33882>.
- Huettmann, F., **Schmid, M.S.**, Humphries, G.R.W. (2015): A first overview of open access digital data for the Ross Sea: complexities, ethics, and management opportunities. **Hydrobiologia**, 761:97–119. <http://dx.doi.org/10.1007/s10750-015-2520-x>.
- Huettmann, F. and **Schmid, M.S.** (2014): Climate change and predictions of pelagic biodiversity components. In: De Broyer, C., et al. (eds.) Biogeographic Atlas of the Southern Ocean. **Scientific Committee on Antarctic Research**, Cambridge, pp. 390-396.

SYNERGISTIC ACTIVITIES:

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| 2014 –16 | Student representative of the PhD program in oceanography at Université Laval. |
| 2014 – 16 | Member of the ArcticNet Student Association outreach section. |
| 2012 – 15 | Board member of the Canadian National Committee of the Association of Polar Early Career Scientists (APECS). |

AWARDS:

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| 11/2016 | John W. Davies Memorial Award from the Society of Naval Architects and Marine Engineers, Arctic Section (SNAME AS) |
| 06/2016 | Foundation Richard-Bernard Award for excellence in doctoral studies |
| 11/2014 | Best oral presentation, Québec-Océan Conference 2014, Rivière-du-Loup, Québec, Canada. Title: Automated zooplankton identification for Baffin Bay and adjacent waters. |
| 01/2013 | Best poster presentation, Arctic Frontiers Conference 2013, Tromsø, Norway. Title: <i>In-situ</i> imaging of mesozooplankton in order to assess fine scale spatiotemporal variability |

SERVICE TO PROFESSION:

- Reviewer for 1) Earth System Science Data Discussions, 2) Marine Biology Research, and 3) International Journal of Biodiversity and Conservation.