

# Kara H. Woo

---

Email: [karawoo@uw.edu](mailto:karawoo@uw.edu)  
Website: [karawoo.com](http://karawoo.com)  
ORCID: [0000-0002-5125-4188](https://orcid.org/0000-0002-5125-4188)  
GitHub: [github.com/karawoo](https://github.com/karawoo)

## EDUCATION

**MLIS, University of Washington, expected 2017**

**BS, Environmental Science, Brown University, 2012**

Capstone: Scientific Tools for Ecosystem-Based Management in Massachusetts

## EXPERIENCE

**University of Washington eScience Institute** - Seattle, WA

*Data Science for Social Good Fellow*, June 2016 - present

Using online food product reviews to identify food safety concerns and predict product recalls.

**Washington State University** - Pullman, WA

*Information Manager*, April 2015 - present

Collaborated on developing a data template for the [Ecology Under Lake Ice](#) project. Wrote an R package to validate data and performed QA/QC on incoming data sets.

**National Center for Ecological Analysis and Synthesis** - Santa Barbara, CA

*Information Manager*, June 2012 - March 2015

Managed data for the [Lake Baikal Dimensions of Biodiversity](#) project. Educated researchers about best practices in data management. Cleaned and aggregated data for analysis using R.

## PUBLICATIONS

*Peer reviewed*

Meyer, M. F., S. E. Hampton, T. Ozersky, O. O. Rusanovskaya, K. H. Woo. 2016. Vulnerability of rotifers and copepod nauplii to predation by *Cyclops kolensis* (Crustacea, Copepoda) under varying temperatures in Lake Baikal, Siberia. *Hydrobiologia*. <https://doi.org/10.1007/s10750-016-3005-2>

McKiernan, E., P. E. Bourne, C. T. Brown, S. Buck, A. Kenall, J. Lin, D. McDougall, B. Nosek, K. Ram, C. K. Soderberg, J. R. Spies, K. Thaney, A. Updegrove, K. H. Woo, T. Yarkoni. 2016. How open science helps researchers succeed. *eLife*. <http://dx.doi.org/10.7554/eLife.16800>

Izmest'eva, L. R., M. V. Moore, S. E. Hampton, C. J. Ferwerda, D. K. Gray, K. H. Woo, H. V. Pislegina, L. S. Krashchuk, S. V. Shimaraeva, and E. A. Silow. 2016. Lake-wide physical and biological trends associated with warming in Lake Baikal. *Journal of Great Lakes Research* 42:1. <https://dx.doi.org/10.1016/j.jglr.2015.11.006>

Hampton, S. E., S. Anderson, S. C. Bagby, C. Gries, X. Han, E. Hart, M. B. Jones, W. C. Lenhardt, A. MacDonald, W. K. Michener, J. F. Mudge, A. Pourmokhtarian, M. Schildhauer, K. H. Woo, N. Zimmerman. 2015. The Tao of open science for ecology. *Ecosphere* 6:art120. <https://dx.doi.org/10.1890/ES14-00402.1>

Sharma, S. et al. (74 authors). 2015. A global database of lake surface temperatures collected by in situ and satellite methods from 1985–2009. *Scientific Data* 2:150008. <https://dx.doi.org/10.1038/sdata.2015.8>

## Preprints

Hart, E., P. Barmby, D. LeBauer, F. Michonneau, S. Mount, T. Poisot, K. H. Woo, N. Zimmerman, J. W. Hollister. 2015. Ten simple rules for digital data storage. *PeerJ PrePrints* 3:e1804 <https://dx.doi.org/10.7287/peerj.preprints.1448v1>

## DATA

Sharma, S. et al. (74 authors). 2014. Globally distributed lake surface water temperatures collected in situ and by satellites; 1985-2009. <http://doi.org/10.6073/pasta/379a6cebee50119df2575c469aba19c5>

## SOFTWARE

Woo, K. H. icetest: Data validation for the Ecology Under Lake Ice synthesis project (2015). <https://github.com/karawoo/icetest>

Chamberlain, S., A. MacDonald, G. Simpson, K. Woo, and N. Zimmerman. pangaeear: R Client for the online Pangaea Database (2014). <https://github.com/ropensci/pangaeear>

## CONFERENCE PRESENTATIONS

Woo, K. H., S. E. Hampton, A. W. E. Galloway. Data management and building community in a global synthesis of under-ice productivity. International Association for Great Lakes Research, 2015. [Slides](#).

## SEMINAR TALKS

- Using the Open Science Framework to manage and share your research. University of Washington eScience Institute (April 2016)

## TEACHING

- Data Carpentry, Washington State University (May 2015)
- Software Carpentry, Washington State University (April 2015)
- Software Carpentry, University of Michigan (January 2015)

## HONORS AND AWARDS

- Residential MLIS Dean's Fellowship (2015-2017)

## PROFESSIONAL ACTIVITIES

- Mentor, Reed Software Design Studio (2016-present)
- Member, Software Carpentry Foundation (2015-present)
- Center for Open Science Ambassador (2015-present)
- Member, International Association for Great Lakes Research (2015-2016)
- Organizing committee member, Open Science Codefest (2014)
- Member, International Network of Next Generation Ecologists Open Science Working Group (2014-present)
- Member, Association for the Sciences of Limnology and Oceanography (2014-2015)