

Kara H. Woo

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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 - August 2016

Used 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

Hart, E., P. Barmby, D. LeBauer, F. Michonneau, S. Mount, P. Mulrooney, T. Poisot, K. H. Woo, N. B. Zimmerman, J. W. Hollister. 2016. Ten simple rules for digital data storage. *PLOS Computational Biology*. <https://doi.org/10.1371/journal.pcbi.1005097>

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>

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](#).

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)