

Kara H. Woo

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EDUCATION

Master of Library and Information Science, University of Washington, expected 2017

Bachelor of Science in 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.

University of Washington Libraries - Seattle, WA

Slavic Acquisitions Student Specialist, January 2016 - June 2016

Processed a backlog of Slavic books received by the library.

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

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>

McKiernan, E., P. E. Bourne, C. T. Brown, S. Buck, A. Kenall, J. Lin, D. McDougall, B. Nosek, K. Ram, C. Soderberg, J. R. Spies, K. Thaney, A. Updegrove, K. H. Woo, T. Yarkoni. 2016. How open science helps researchers succeed. *Figshare* <https://dx.doi.org/10.6084/m9.figshare.1619902.v6>

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>

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](#).

HONORS AND AWARDS

- Residential MLIS Dean's Fellowship (2015-2016)
- Associate member, Sigma Xi (2012)
- First Marks, 12th International Olympiad of Russian Language. Moscow, Russia (2008)

TEACHING

Workshops

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

Guest Lectures

- 'Shirtstorm' and gendered harassment in online communities. University of Idaho, February 2015

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)