ETHAN P. WHITE
Department of Biology and the Ecology Center
Utah State University, Logan, UT 84322
http://whitelab.weecology.org, ethan.white@usu.edu

PROFESSIONAL PREPARATION

Institution	Major/Area	Degree (*honors*) and Year
Colorado College	Biology	B.A. (*magna cum laude*), 1998
University of New Mexico	Biology	Ph.D. (*distinction*), 2005
Univ. of AZ & U.C. Merced	Ecoinformatics	NSF Postdoc, 2005-2007

APPOINTMENTS

2012-present   Associate Professor, Dept. of Biology and Ecology Center, Utah State University
2007-2012   Assistant Professor, Dept. of Biology and Ecology Center, Utah State University
2005-2007   NSF Postdoctoral Fellow in Biological Informatics, Univ. of AZ & U.C. Merced

FIVE MOST RELEVANT PUBLICATIONS

Wilson, G., D.A. Aruliah, C.T. Brown, N.P. Chue Hong, M. Davis, R.T. Guy, S.H.D. Haddock, K. Huff, I. Mitchell, M. Plumbley, B. Waugh, **E.P. White**, and P. Wilson. 2014. Best Practices for Scientific Computing. PLOS Biology 12: e1001745

White, E.P., E. Baldridge, Z.T. Brym, K.J. Locey, D.J. McGlinn, S.R. Supp. 2013. Nine simple ways to make it easier to (re)use your data. Ideas in Ecology and Evolution 6:1-10

Morris, B.D. and **E.P. White**. 2013. The EcoData Retriever: improving access to existing ecological data. PLOS ONE 8:e65848. https://github.com/weecology/retriever.

Coyle, J.R., A.H. Hurlbert, and **E.P. White**. 2013. Opposing mechanisms drive diversity patterns of core and occasional bird species. American Naturalist 181:E83-E90.

White, E.P., S.K.M. Ernest, P.B. Adler, A.H. Hurlbert, and S.K. Lyons. 2010. Integrating spatial and temporal approaches to understanding species richness. Philosophical Transactions of the Royal Society B 365:3633-3643.

FIVE OTHER PUBLICATIONS

White, E.P., K.M. Thibault, and X. Xiao. 2012. Characterizing species-abundance distributions across taxa and ecosystems using a simple maximum entropy model. Ecology 93:1772-1778.

White, E.P. and A.H. Hurlbert. 2010. The combined influence of the local environment and regional enrichment on bird species richness. American Naturalist 172:E35-E43.

Supp, S.R., X. Xiao, S.K.M. Ernest, and **E.P. White**. 2012. Experimental evidence suggests that macroecological patterns are determined primarily by species richness and total abundance. Ecology 93:2505-2511.

Xiao, X., **White, E.P.**, M.B. Hooten, and S.L. Durham. 2011. On the use of log-transformation vs. nonlinear regression for analyzing biological power-laws. Ecology 92: 1887-1894.

Thibault, K.M., S. Supp, M. Giffen, **E.P. White**, S.K.M. Ernest. 2011. Species composition and abundance of mammalian communities. Ecology 92:2316.

SYNERGISTIC ACTIVITIES

- **Ecoinformatics: 1.** Founder of EcologicalData.org – a website designed to use social media tools to allow ecologists to collaborate on the discovery and utilization of available ecological datasets. **2.** EcoData Retriever – Leader of open source software development to automate the process of designing and configuring database structures for ecological databases as well as downloading, cleaning up and installing the data for the end user (http://ecodataretriever.org).

- **Computational science education. 1.** Teacher of two Utah State University courses on introductory and advanced computer programming and database management for biologists. **2.** Developer of a website for providing information about computational approaches in biology (http://programmingforbiologists.org). **3.** Software Carpentry Advisory Board member and instructor (http://software-carpentry.org), helping lead a group dedicated to providing online and in-person training to improve the use of advanced computational tools by scientists.

- **Database development and provision: 1.** Team leader for the development of the Mammalian Community Database – an effort to assemble and publish global scale information on the composition of mammalian communities. This database is published in Ecological Archives (Thibault et al. 2011). **2.** Lead database expert on the team that manages the databases for the Portal Project, an important time-series in ecology. The project includes four major datasets (mammals, plants, ants, and weather) that differ substantially in form and complexity. This team transitioned the databases from Microsoft Excel flat files to a relational database running in Microsoft Access in 2004 and transitioned them again in 2010 to a more stable and secure MySQL database that is available to all participants in the project via a secure Linux server.

- **Working groups: 1.** Smithsonian Evolution of Terrestrial Ecosystems (2010-2011). **2.** NCEAS working group on species-abundance distributions (2006-2008). **3.** Co-organized and hosted an LTER sponsored working group on patterns of species richness in space and time

- **Editing & Reviewing: 1.** Associate Editor for PLoS ONE and PeerJ. **2.** Grant reviewer for NSF (panelist and *ad hoc*), NSERC, and NRF. **3.** Journal reviewer for Science, Nature, PNAS, PLOS Biology, Proceedings of the Royal Society B, Ecology, Ecology Letters, American Naturalist, etc.

COLLABORATORS AND OTHER AFFILIATIONS

Collaborators: J. Coyle (U. North Carolina), S. Durham (Utah State), B. Enquist (U. Arizona), J. Green (U. Oregon), M. Hooten (Colorado State), N. Isaac (Centre fpr Ecology and Hydrology, UK), A. Kerkhoff (Kenyon College), Helene Morlon (Ecole Polytechnique), B. Morris (U. North Carolina), Kiona Ogle (Arizona State), Charles Price (U. Western Australia), J. Stegen (Pacific Northwest National Lab), J. Weitz (Georgia Tech), M. Giffin (Utah State), J. Gittleman (U. Georgia), J. Gohen (U. Wyoming), A. Hurlbert (U. North Carolina), F. Smith (U. New Mexico), R. Sibly (U. Reading, UK), S. Lyons (Smithsonian Institute), S. Supp (Utah State), P. Adler (Utah State)

Advisors
Ph.D. – James H. Brown (University of New Mexico);
Postdoctoral – Jessica L. Green (U. of Oregon) and Brian J. Enquist (U. of Arizona)

Advisees
Thesis – Elita Baldridge (Utah State), Kenneth J. Locey (Utah State), Xiao Xiao (Utah State), Kristinia Riemer (Utah State)
Postdoctoral scholars – Katherine M. Thibault (NEON), Daniel McGlinn (Utah State University)