Future of Environmental Decisions

2010 Webinar: The role of species-environmental matching models in conservation

Suggested Readings:

Barnett, D.T., T.J. Stohlgren, C.S. Jarnevich, G.W. Chong, J.A. Ericson, T.R. Davern, and S.E. Simonson. 2007. The art and science of weed mapping. Environmental Monitoring and Assessment 132(1-3): 235-252.

Graham, J., A. Simpson, A. Crall, C. Jarnevich, G. Newman, and T.J. Stohlgren. Vision of a cyberinfrastructure for non-native, invasive species management. BioScience 58 (3): 263-268.

Jarnevich, C.S. and T.J. Stohlgren. 2009. Near term climate projections for invasive species distributions. Biological Invasions 11:1373-1379.

Kumar, S., Spaulding, S.A., Stohlgren, T.J., Hermann, K.A., Schmidt, T.S., and L.L. Bahls. 2009. Predicting habitat distribution for the freshwater diatom *Didymosphenia geminata* in the continental US. Frontiers in Ecology and the Environment 7(8): 415-420.

Kumar S. and T.J. Stohlgren, 2009. Maxent modeling for predicting suitable habitat for a threatened and endangered tree *Canacomyrica monticola* in New Caledonia. Journal of Ecology and The Natural Environment Vol. 1(4), pp. 094-098, July, 2009

Phillips S.J., R.P. Anderson, and R.E. Shapire. 2006. Maximum entropy modeling of species geographic distributions. Ecological Modeling 190:231-259.

Stohlgren, TJ, C.S. Jarnevich, and C. Giri. 2010. Modeling the spread of the human invader in the United States. Journal of Applied Remote Sensing 4, 043509 (2010); doi:10.1117/1.3357386.

Stohlgren, T. J., Ma, P., Kumar, S., Rocca, M., Morisette, J. T., Jarnevich, C. S., and Benson, N. 2010. Ensemble habitat mapping of invasive plant species. Risk Analysis 30(2): 224-235.

Suggested Websites:

www.CitSci.org

www.NEONINC.org

www.NIISS.org

www.cs.princeton.edu/~schapire/maxent/