

BIOGRAPHICAL SKETCH

LILIAN NA'IA ALESSA, PROFESSOR

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PROFESSIONAL PREPARATION

University of British Columbia	Botany	B.S., 1994
University of British Columbia	Cell Biology	Ph.D., 1998
University of British Columbia	Cognition and Learning	1998
University of Utah	Postdoctoral - Developmental Biology	1998-2000

APPOINTMENTS

2013 – present	Professor of Resilient Landscapes, Bioregional Planning Program, University of Idaho
2010 – 2013	Professor, Department of Biological Sciences, University of Alaska-Anchorage
2008 – present	Director, Resilience and Adaptive Management Group, UAA
2005 – 2010	Associate Professor, Department of Biological Sciences, UAA
2000 – 2005	Assistant Professor, Department of Biological Sciences, UAA
1999 – 2000	Assistant Professor, Roanoke College

PRODUCTS

Five related products:

Alessa, L., Kliskey, A. 2012. The role of agent types in detecting and responding to environmental change. *Human Organization* 71(1): 1-10.

Bone, C., **Alessa, L.,** Altaweel, M., Kliskey, A., Lammers, R. 2011. Assessing the impacts of Local Knowledge and Technology on Climate Change Vulnerability in Remote Communities. *International Journal of Environmental Research and Public Health* 8: 733-761.
doi:10.3390/ijerph8030733.

Altaweel, M., **Alessa, L.,** Kliskey, A. 2010. A framework to structure agent-based modeling data for social-ecological systems. *Structure & Dynamics: eJournal of Anthropological and Related Sciences* 4(1): 1-18.

Altaweel, M., **Alessa, L.,** Kliskey, A. 2010. Visualizing situational data: applying information fusion for detecting social-ecological events. *Social Science Computer Review* 28(4).
doi: [10.1177/0894439309360837](https://doi.org/10.1177/0894439309360837).

Alessa, L., Kliskey, A., and Altaweel, M. 2009. Toward a typology of social-ecological systems. *Sustainability: Science, Practice, & Policy* 5, 31-41.
<http://ejournal.nbii.org/archives/vol5iss1/0811-034.alessa.html>.

Five other significant products:

Alessa, L., Altaweel, M., Kliskey, A., Bone, C., Schnabel, W., Stevenson, K. 2011. Water in Alaska: the next 50 years. *Journal of the American Water Resources Association*. 47(1):143-157. DOI: 10.1111/j.1752-1688.2010.00498.x.

Alessa, L., Kliskey, A., Williams, P. 2010. Forgetting freshwater: The effect of modernization on water values in remote Arctic communities. *Society and Natural Resources*.

Altaweel, M., **Alessa, L.,** Kliskey, A. 2009. Forecasting resilience in arctic societies: creating tools for assessing social-hydrological systems. *Journal of the American Water Resources Association* . 45(6): 1379-1389. DOI: 10.1111/j.1752-1688.2009.00370.x.

Alessa, L., Chapin, F.S., and Kliskey, A. 2008. Anthropogenic biomes: a key contribution to earth-system science. *Trends in Ecology and Evolution* 23, 529-531.

