

## LAURA EDLING, PhD

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### PROFESSIONAL PREPARATION

2020	Ph.D	Natural Resources, University of Vermont
2009	M.A.	Environmental Studies, Brown University
2004	B.A.	Religious Studies, University of Vermont

### RESEARCH AND PROFESSIONAL EXPERIENCE

2020-Current. Research Consultant. University of Vermont. RSENR. Burlington, VT.  
2019-Current. Lecturer. University of Vermont. RSENR. Burlington, VT.  
2018. Research Assistant. Forest Ecosystem Monitoring Cooperative. Burlington, VT.  
2014-2019. Graduate Researcher. University of Vermont. RSENR. Burlington, VT.  
2014-2017. Teaching Assistant. University of Vermont. RSENR. Burlington, VT.  
2014. Stewardship and Outreach Coordinator. The Hanover Conservancy. Hanover, NH.  
2012-2014. Estuary Project of Special Merit Coordinator. Oregon Coastal Management Program  
Portland, OR.  
2011-2012. Wetland and GIS Consultant. Lower Columbia River Estuary Partnership. Portland, OR.  
2009-2011. NOAA Coastal Management Fellow. Oregon Coastal Management Program. Portland,  
OR.  
2007-2006. Graduate Researcher. Brown University, Providence, Rhode Island.  
2004-2006. Environment and Community Developer. United States Peace Corps. Suva, Fiji Islands.

### PEER-REVIEWED PUBLICATIONS

**Edling, L.** and C. Danks. (2022). What came first, the pellet or boiler? Interacting leverage points within a sociotechnical system in the United States. *Energy Research & Social Science*.

<https://doi.org/10.1016/j.erss.2022.102627>

**Edling, Laura** and Cecilia Danks. (2021). Supporting Actors: The Role of State Policy and Private Programs in Advancing Renewable Heating Technology. *Energy Policy*.

<https://doi.org/10.1016/j.enpol.2021.112266>.

**Edling, Laura** and Cecilia Danks. (2018). To adopt or not to adopt? That was our question: Insights on energy transitions from a study of advanced wood heating. *Energy Research & Social Science*.

<https://doi.org/10.1016/j.erss.2018.06.019>.

Thom, Dominik, Marina Golivets, **Laura Edling**, Garrett W. Meigs, Jesse D. Gourevitch, Laura J. Sonter, Gillian L. Galford, William S. Keeton. (2019). Climate sensitivity of carbon, timber, and species richness covaries with forest age in boreal-temperate North America. *Global Change Biology*. DOI: 10.1111/gcb.14656.

**Edling, Laura** and Gillian Galford. (In Review). The 2021 Vermont Climate Assessment: A case study of co-producing climate information to increase usability. *Climate Services*.

### TECHNICAL REPORTS

**Edling, L.**, J. Duncan, A. Kosiba, and J. Pontius. (2019). Linking Forest Science to Policy: Improving a Forest Indicators Dashboard to inform policy and decision making across Vermont's forested landscape. Final report to the University of Vermont James M. Jeffords Fund Grant Program for Policy Studies.

<https://doi.org/10.18125/1165vd>.

Wechsler, Adam, **Laura Edling**, Cecilia Danks, Rachel Bowanko, Charlotte Brodie, and Maura Adams. (2019). Deciding How to Heat: Factors affecting automated wood pellet heating systems. Technical report for the Northeast Wood Heat Leadership Summit.

## **TEACHING**

Ecology, Ecosystems, and Environment; Global Environmental Assessment; Environmental Problem Solving and Impact Assessment; Participatory Action Research, Climate Change, Critical Reflection and Dialogue; Race and Culture in Natural Resources; Community, Climate, and Forestry; Introduction to Environmental Science

## **SERVICE**

Fellow, Gund Institute for the Environment, University of Vermont (UVM); Reviewer, peer-review publications including *Energy Research & Social Science*.

## **PRESENTATIONS**

### **Oral**

Danks, C., **L. Edling**, R. Bowanko, and A. Weschsler. (2019). "Deciding How to Heat: A Study of Factors Affecting Automated Wood Heat Purchasing Decisions in the Northern Forest." Presentation for the Northeast Wood Heat Leadership Summit, Burlington, VT, January 8.

**Edling, L.** (2018). "The Transition to Automated Wood Pellet Heating in the Northeastern United States: A Case of Whole System Reconfiguration." Presentation for the International Sustainability Transitions Conference, Manchester, England, June 12.

**Edling, L.** (2018). "Factors Affecting the Conversion to Modern Wood Heating Technology in the Northern Forest Region: A Systems Analysis." Presentation for the University of Vermont Student Research Conference, Burlington, VT, April 19.

**Edling, L.** (2014). "Characterizing Estuaries and Estuarine Habitats on the West Coast." Presentation for the Pacific Marine and Estuarine Fish Habitat Partnership Summit, Seattle, WA.

**Edling, L.** (2011). "Constructing Oregon's Diked Lands Vulnerability Inventory to Support Strategic Planning for the Impacts of Sea-Level Rise." Presentation for the Coastal Zone Conference, Chicago, IL.

**Edling, L.** (2011). "Constructing Oregon's Diked Lands Vulnerability Inventory to Support Strategic Planning for the Impacts of Sea-Level Rise." Presentation for the West Coast Governor's Agreement, Webinar.

**Edling, L.** (2011). "One Step in Oregon's Preparation for Sea-Level Rise." Presentation for the Estuaries, Climate Change, and Conservation Planning and Modeling for Sea-Level Rise Conference, Newport, OR.

**Edling, L.** (2010). "Dikes, Tidegates, and Sea-Level Rise: What They Mean for Estuaries." Presentation for the Oregon Shore Conservation Coalition, Coos Bay, OR.

### **Poster**

**Edling, L.** and C. Danks. (2016). "Factors Affecting the Conversion to Modern Wood Heating Technology in the Northern Forest Region: A Systems Analysis." Poster presentation for the ECANUSA Conference, Burlington, VT, December 7.

**Edling, L.** (2012). "Lower Columbia River and Estuarine Fish Passage Barrier Inventory." Poster Presentation for the Columbia River Estuary Conference, Astoria, OR, May 15.

**Edling, L.** (2010). "Constructing Oregon's Diked Lands Vulnerability Inventory to Support Strategic Planning for the Impacts of Sea-Level Rise." Poster Presentation for the Coastal Society International Conference, Wilmington, NC, June 24.

## **GRANT AWARDS AND MANAGEMENT EXPERIENCE**

2020. Gund Catalyst Award for the "Vermont Climate Assessment 2020" project.

2011-2012. Lower Columbia River Estuary Partnership grant for "Lower Columbia River and Estuarine Fish Passage Barrier Inventory" project.

## **TRAININGS**

Science Policy Workshop (2018), International Training Seminar Biomass Heating (2016), NOAA Coastal Inundation Mapping Training (2014), Introduction to Coastal GIS (2009), GIS Institute (2006).

## **AWARDS**

Brown University Graduate Teaching Assistant Fellowship 2007-2009, Summa Cum Laude 2004, Phi Beta Kappa 2004, Class of 2004 Valedictorian.

## **GIS PRODUCTS**

Edling, Laura. CMECS Estuarine Substrate Component v.0.4, OCMP, 2014 [map]. "Oregon Coastal Atlas." September 2014. [https://www.coastalatlantlas.net/metadata/CMECS\\_Substrate\\_Component\\_OCMP\\_2014.html](https://www.coastalatlantlas.net/metadata/CMECS_Substrate_Component_OCMP_2014.html)

Edling, Laura. CMECS Estuarine Geoform Setting v.0.4, OCMP, 2014 [map]. "Oregon Coastal Atlas." September 2014. [https://www.coastalatlantlas.net/metadata/CMECS\\_Geoform\\_Component\\_OCMP\\_2014.html](https://www.coastalatlantlas.net/metadata/CMECS_Geoform_Component_OCMP_2014.html)

Edling, Laura. CMECS Estuarine Biotic Component v.0.4, OCMP, 2014 [map]. "Oregon Coastal Atlas." September 2014. [https://www.coastalatlantlas.net/metadata/CMECS\\_Biotic\\_Component\\_OCMP\\_2014.html](https://www.coastalatlantlas.net/metadata/CMECS_Biotic_Component_OCMP_2014.html)

Edling, Laura. CMECS Estuarine Aquatic Setting v.0.4, OCMP, 2014 [map]. "Oregon Coastal Atlas." September 2014. [https://www.coastalatlantlas.net/metadata/CMECS\\_Aquatic\\_Setting\\_OCMP\\_2014.html](https://www.coastalatlantlas.net/metadata/CMECS_Aquatic_Setting_OCMP_2014.html)

Edling, Laura. Levees Inventory, OCMP, 2011 [map]. "Oregon Coastal Atlas." September 2011. <https://www.coastalatlantlas.net/metadata/EstuarineLeveesInventory,OCMP,2011.htm>.

Edling, Laura. Lower Columbia River and Estuary Levees Inventory, LCREP, 2012 [map]. "Oregon Coastal Atlas." April 2012. <https://www.coastalatlantlas.net/metadata/LowerColumbiaRiverandEstuaryLeveesInventory,LCREP,2012.htm>