

Michael H. Simpson
Environmental Studies Department
Antioch University New England
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EMPLOYMENT HISTORY

Antioch University New England, Keene, NH

1985 – present Faculty, Environmental Studies Department
2022 – present Director, Leadership and Management of Sustainable Systems Graduate Concentration
2016 – 2022 Director, Resource Management and Administration Degree Program
2014 – 2021 Co-Director, Center for Climate Preparedness and Community Resilience
2010 – 2016 Chair, Environmental Studies Department
1997 – 2010 Director, Resource Management and Conservation Degree Program

MHS & Associates, LLC, Norwich VT

2004 – Present Principal and Owner

DSM Environmental Services, Inc. Ascutney, VT

1994 – 2004 Senior Environmental Scientist and Partner

Tellus Institute, Boston, MA

1989 – 1994 Senior Environmental Scientist

E & A Environmental Consultants, Stoughton, MA

1988 – 1989 Manager, Recycling and Composting Research and Project Development

Massachusetts Department Environmental Quality & Engineering, Boston, MA

1987-1988 Compost Program Manager

Lombardo & Associates, Boston, MA

1986 Subcontractor for Design of Centralized Artificial Wetlands System for Septic Tank Effluent for Anne Arundel County, Maryland

Normandeau Associates, Bedford, NH

1986 Subcontractor for NH Coastal Wetlands Mapping Project & Assessment of Impacted Wetlands in the Town of Rye, New Hampshire

New Hampshire Resource Recovery Association, Concord, NH

1986 Executive Director

New Hampshire Resource Recovery Association, Concord, NH

1983 – 1985 Assistant Director, Community Technical Assistance & Cooperative Marketing of Recyclables

Office of State Planning, Coastal Program, Concord, NH

1982 Grant funded staff: Tidal Marsh Restoration

The New Hampton School, New Hampton, NH

1976 – 1981 Biology/Environmental Science Faculty, Dorm Master, Special Projects Director, Outing Club Director

EDUCATION

M.S. Resource Management & Administration. Antioch/New England Graduate School, 1986

M.A. Liberal Studies: Science Emphasis. Dartmouth College, 1981

B.A. Biology and Philosophy. Denison University, 1974

PROFESSIONAL CERTIFICATIONS

- NH Certified Wetlands Scientist
- ASTM Phase 1 Environmental Site Assessment
- NH Certified Level IV Solid Waste Facility Operator
- OSHA Hazardous Waste Operations and Emergency Response - 40-Hour

GRANTS AWARDED

- NOAA, Washington, D.C., SARP, *Design and Implementation of a Stakeholder-Engaged Decision-Support Program for Adapting Civil Water Infrastructures for Climate and Land-Use Change - Lake Sunapee Basin NH*, **Principal Investigator**
- USEPA, Climate-Ready-Estuarines, Washington, D.C., *Assessment of Culvert Infrastructure Impact from Landuse Decisions and Projected Climate Change -Oyster River Basin NH*, with the NH Piscataqua Region Estuaries Partnership, Durham, NH, **Principal Investigator**
- NOAA, Washington D.C., SARP *Long term Climate Information and Forecasts Supporting Stakeholder-Driven Adaptation decisions for Urban Water Resources* – Minnehaha Watershed, MN, **Principal Investigator**
- NOAA, Washington, D.C., CICEET, *Assessing the Risk of 100-year Floods in the Lamprey River Watershed Resulting from Changes in Climate and Land Use*, with UNH Earth, Oceans and Space Institute Center, Durham, NH, **Researcher & Co-Author**
- NOAA, Washington, D.C., CICEET, *Forging the Link Between Research-Based Institutions, Watershed Assistance Groups, and Municipal Land Use Decisions*, with UNH Stormwater Center, Durham, NH, **Researcher & Co-Author**
- USEPA, Region 1, Boston, MA, *Solid Waste Curriculum Utilizing Critical Thinking Skills*, with the New Hampshire Resource Recovery Association, Concord, NH, **Co-Author**
- Collaborative Working Group, St. Gallen, Switzerland, *Privatized Waste Service Capacity Building in Post-Conflict Liberia*, **Principal Investigator**
- American Forest and Paper Association, *Degradability of Coated Paper Products Through In-Vessel Composting*, **Principal Investigator**
- MA Department of Environmental Protection, *Hospital Waste Minimization Practices White Paper*, **Co- Author**
- Archers Daniels Midland, *Degradability Research of Corn-Starch Plastic Bags*, **Researcher**

MOST RECENT CONSULTANCIES:

- Developing Metrics for a City-Level Circular Economy, International Solid Waste Association, Rotterdam, NL
- Sustainability Criteria Development for The New City of *Telosa*, The Junto Group, Santa Rosa, CA
- The Lifecycle Assessment and Embedded Materials and Energy in a Circular Economy for Rotterdam, NL - Circular and Low Carbon Initiative, International Solid Waste Association, Rotterdam, NL
- Organizational Health Assessment, Northeast Resource Recovery Association, Epsom, NH
- Technological Assessment and Revenue/Cost Impact from The Increase in Food Waste Delivery Due to the Enactment of VT Act 148, Green Mountain Compost, Williston, VT.

MOST RECENT PRESENTATIONS:

- *Soil to Trash: Calculating Avoided Disposal Benefits*, Invited Speaker, Norfolk HUB. Norfolk, CT, January 5, 2022
- *Business Continuity in the Face of Extreme Weather Events*, Invited Speaker, Business Leaders of The Monadnock Region, Harrisville NH, November 4, 2021.
- *Lessons in Building Resilience at the Local Level*, Invited Speaker, Resilient Investment Planning and Development Working Group, Department of Homeland Security, Washington DC, October 28, 2021
- *Drivers & Dilemmas About Recycling*, Plenary Session, International Solid Waste Association: World Congress, Athens GR, October 4, 2021
- *Impacts of a Changing Climate on Wetland Ecosystems* - Center for Climate Preparedness & Community Resilience national webinar, April 27, 2020
- *Vulnerability of High-elevation Waters to a Changing Climate* - NH Water and Watershed Conference - Plymouth NH, March 13, 2020

MOST RECENT PUBLICATIONS:

- Black P, Daniels C and MH Simpson (2022). *2021 Local Solutions Conference Facilitated Community of Practice: Equitable Climate Response at the Community-level*, Report - Center for Climate Change and Community Resilience 34 pp.
- Daniels C, Simpson, MH and S Whitman (2021). *A Model City: Resilient, Circular, Equitable and Regenerative*, Briefing Paper - Center for Climate Change and Community Resilience, 60 pp.
- Scheinberg A, Paul J, Zabaleta I, Paalvast H, Tsydenova N and MH Simpson, 2020. *Circularity and Resource Efficiency: Methods and metrics to assess circularity in materials management systems in cities*. The Circular and Low Carbon Project, Briefing Paper, International Solid Waste Association; 10 pp.
- Simpson MH (2019) *Peatlands in a Changing Climate: Vulnerability and Resilience*, Resource Vol 19:2, pp 9-15.
- Simpson MH, 2019. *Food Waste Diversion Hierarchy*, Training Manuel. USDA Epicure Grant, Northeast Resource Recovery Association; 35 pp.
- Simpson MH (2018) *The System is Changing: Take Note Wetland Scientists*, Resource Vol 18:2, pp 8-11.
- Gruber JS, Rhoades JL, Simpson MH, Stack L, Yetka L, Wood R (2017) *Enhancing climate change adaptation: strategies for community engagement and university-community partnerships*, Journal of Environmental Studies and Sciences Vol. 7, pp 10-24.

SERVICE TO ANTIOCH

- Antioch University Finance Committee
- AUNE Faculty Senate, Senate President
- Faculty Senate Appointee to AUNE Board of Trustees
- AUNE Finance Committee
- AUNE Energy & Climate Action Task Force
- AUNE President's Transition Team
- Search Committee for AUNE President
- Search Committee for AUNE VP of Academic Affairs

SERVICE TO THE GREATER COMMUNITY

- Chair of New Hampshire Wetlands Scientists Discipline
- Board Member, New Hampshire Association of Natural Resource Scientists
- Upper Valley (NH & VT) Climate Adaptation Work Group
- Executive Board, Upper Valley (NH & VT) Sierra Club
- NH Coastal Climate Adaptation Work Group
- Science Advisory Committee, Lake Sunapee Protective Association
- New Hampshire Association of Natural Resource Scientists, Board President
- New Hampshire Association of Wetlands Scientists
- New Hampshire Corporate Wetlands Restoration Partnership, Board Member
- New Hampshire Legislative Commission for Development of Statewide Flood Control Plan
- New Hampshire DES Advisory Committee, In-lieu Fee Wetlands Mitigation
- New Hampshire DES Advisory Committee, Water Quality Standards for Wetlands
- New Hampshire DES Advisory Committee, Composting Best Management Practices
- New Hampshire DES Advisory Committee, Land Application of Septage
- New Hampshire DES Advisory Committee, Institution of ISO 14001 Standards
- Grantham, NH Conservation Commission & Trustee of Town Trusts
- Sunapee, NH Conservation Commission

AWARDS

2016 Horace Mann Spirit of Service Award

For additional detail about Resource Management activities in the *Water Resources* domain, go to:

michaelhsimpson.weebly.com

For additional detail about Resource Management activities in the *Materials Management & Waste Minimization* domain, go to:

michaelhsimpsonwm.weebly.com

