



Mark W. Anderson

Senior Instructor, Resource Economics and Policy, School of Economics, University of Maine

Graduate Student Coordinator and Researcher, Sustainability Solutions Initiative

Profile:

Mark Anderson is an agricultural and resource economist and a faculty member at the University of Maine. His research areas include recreational and land use management, ecological economics, higher education assessment, and values in sustainability science. He is also the University's representative to the Orono Bog Boardwalk Management Committee. In 2008 he was awarded the Outstanding Teaching Award for the College of Natural Sciences, Forestry, and Agriculture. In Anderson's role as the SSI Graduate Student Coordinator he works closely with students on research projects and helps them problem solve related issues.

Anderson's research with the Sustainability Solutions Initiative includes understanding how underlying values affect individual and group responses to sustainability. He also studies how environmental education impacts the development of those values. Another aspect of Anderson's research is to transform the concept of sustainability beyond the Brundtland definition of "development that meets the needs of the present without compromising the ability of future generations to meet their own needs," to a more practical definition. This new concept could potentially provide an operational definition for sustainability.

His research has been funded by the National Science Foundation, Maine Department of Environmental Protection, Maine Water Resources Research Institute, Maine Forest Service, Sea Grant, Maine EPSCoR, and the Senator George J. Mitchell Center and Maine's Sustainability Solutions Initiative.

Anderson has been published in several peer-reviewed journals including Ecological Economics, Environmental Education Research, Journal of General Education, Land Use Policy, Maine Policy Review, Social Change, and Technological Forecasting. He co-authored the book Life Extending Technologies: A Technology Assessment with Theodore J. Gordon and Herbert Gerjuoy.

Degrees:

University of Maine, M.S. (Agricultural and Resource Economics)
Bowdoin College, A.B. (Government)

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Research Interests:

Sustainability Science
Knowledge to Action
Ecological Economics
Recreation and Land Management
Environmental Impact Assessment
Higher Education Assessment



SSI Projects:

Knowledge to Action

Courses:

ECO 479: Land Use Planning
EES 489: Critical Issues in Environmental Policy
EES 100: Human Population and the Global Environment
ECO 590: Readings in Sustainability Science
REP 371: Introduction to Natural Resource Economics and Policy
ECO 582: Human Dimensions of Global Change

Selected Publications:

Mark W. Anderson, "Intergenerational Bargains: Negotiating Our Debts to the Past and Our Obligations to the Future," *Futures*, forthcoming.

Caroline Noblet, Mark W. Anderson, and Mario Teisl, "An Empirical Test of Anchoring the NEP Scale in Environmental Ethics," *Environmental Education Research* 19, no. 4 (2013): 540-551.

Mark W. Anderson, Mario F. Teisl, and Caroline Noblet, "Giving Voice to the Future in Sustainability Science: Retrospective Assessment to Learn Prospective Stakeholder Engagement," *Ecological Economics* 84 (2012): 1-6.

Mark W. Anderson, Caroline Noblet, and Mario Teisl, "Our Environment: A Glimpse at What Mainers Value," *Maine Policy Review* 21, no. 1 (2012): 104-110.

Mario Teisl, Mark W. Anderson, Caroline Noblet, George K. Criner, Jonathan Rubin, and Timothy Dalton, "Are Environmental Professors Unbalanced? Evidence from the Field," *Journal of Environmental Education* 42, no. 2 (2010): 67-83.

Theodore J. Gordon, Herbert Gerjuoy, and Mark W. Anderson, *Life Extending Technologies: A Technology Assessment* (New York: Pergamon Press, 1980).

Reports and Encyclopedia Articles:

Mark W. Anderson, Kevin J. Boyle, Kathleen P. Bell, and John Holden, *Procedures for Evaluating the Potential Regional Economic Impacts of Conservation Lands in the 100-Mile Wilderness Region* (Final Report to the Maine Department of Conservation, 2005).

Mark W. Anderson, *Issues to be Considered in Estimating the Effects on Primitive Recreation of the Plum Creek Concept Plan for the Moosehead Region* (Report to Maine Land Use Regulation Commission, 2006).

Mark W. Anderson and Mario Teisl. "Values," in *Berkshire Encyclopedia of Sustainability*: Vol. 10 *The Future of Sustainability* (2012).

Mark W. Anderson. "Economics, Steady State," in *Berkshire Encyclopedia of Sustainability*: Vol. 10 *The Future of Sustainability* (2012).

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