

This User's Guide for the ESII Tool is dedicated to our friend and colleague,

Matthew Wilson, PhD

Matthew Wilson worked to **bridge the spaces between economic growth and sustainability**. A multi-disciplinary economist and an internationally recognized expert in sustainable business strategy and valuation of environmental assets, Matthew was a thought leader in sustainable business strategy. He advised business executives and government leaders in management, finance, and environmental markets.



At the University of Vermont, Matthew created a curriculum and taught business executives how sustainability can be woven into business strategy. In the private sector, he developed partnerships in the emerging marketplace for natural infrastructure solutions, perhaps most notably bringing CH2M and The Nature Conservancy together for a rich collaboration in the science, engineering, policy, and practices for nature-based infrastructure solutions.

He was an author, a teacher, and a guide to others following a path toward renewable energy with economic discipline. He worked exuberantly and effectively to understand and to communicate the complex mechanisms of renewable energy markets, greenhouse gas emissions and carbon offset investments, sustainability reporting, and determining the economic viability of more environmentally sustainable practices and policies leading to maximizing competitive advantage through climate change strategy.

At CH2M, he led a firmwide global team focused on creating livable, thriving urban centers through sustainable solutions, and developing business opportunities in the emerging market for natural infrastructure. He also contributed to the growth of the company's global sustainability practice, including sustainable finance strategy, and developed the firm's technical capacity in innovative finance and public-private equity financing for sustainable investments. At the same time, he continued to mentor young professionals within the company and as a member of the University of Colorado, Leeds School of Business Sustainability Council.

With more than 25 peer-reviewed publications and over 50 public presentations, Matthew initiated and led national and global projects in academia and the private sector that quantified environmental assets and identified effective management strategies for use in the rapidly evolving global sustainability market space. Such initiatives go to the heart of the mission and practices of the ESII tool.

We miss this intellectual entrepreneur, with all his collaborative spirit, energy, and ideas, but his spirit lives on through our work to promote the value of nature.

"To me, the most important attribute of an effective sustainability professional is a highly collaborative spirit, coupled with a willingness to think outside of the box and cut against the grain of the status quo. These two attributes balance each other out because collaboration and engagement with colleagues who share different perspectives is vital to be able to successfully push through novel ideas."

--Matthew Wilson's advice to young professionals

Representative Peer Reviewed Publications

With Steven Farber. 2009. Accounting for Ecosystem Goods and Services in Coastal Estuaries. In L.H. Pendleton (ed.). *The Economic and Market Value of Coasts and Estuaries: What's at Stake?* Restore America's Estuaries, Washington DC.

With Marilyn T. Lucas. 2008. Tracking the Relationship between Environmental Management and Financial Performance in the Service Industry. *Service Business*, vol 2, No. 3, pp. 203-218.

With John Hoehn. 2006. Valuing Environmental Goods and Services Using Benefit Transfer: The State-of-the-Art and Science. In M. Wilson and J. P. Hoehn (eds.). *Environmental Benefits Transfer: Methods, Applications and New Directions Ecological Economics*. Vol. 60 (2): 335-342.

With Steve Farber, Robert Costanza, Daniel L. Childers, Jon Erickson, Katherine Gross, Morgan Grove, Chuck Hopkinson, James Kahn, Stephanie Pincetl, Austin Troy, and Paige Warren. 2006. An Ecosystem Services Framework that Links Science, Values, and Environmental Decision Making. *Bioscience*: 56(2): 117-129.

With Austin Troy and Robert Costanza. 2004. The Economic Geography of Ecosystem Goods and Services: Revealing the Monetary Value of Landscapes through Transfer Methods and Geographic Information Systems. In Dietrich and Van Der Straaten (eds.). *Cultural Landscapes and Land Use*. London: Kluwer Academic Publishers.

With Richard B. Howarth. 2002. Valuation Techniques for Achieving Social Fairness in the Distribution of Ecosystem Services. *Ecological Economics*. 41: 431-443.

Representative Speaking Engagements

February 2, 2010. *Managing Climate Change across the Enterprise*. 13th Annual Energy and Environment Conference and Expo. Phoenix, AZ.

November 20, 2008. *The Competitive Advantage of Climate Change and Advanced Energy Investments*. Advanced Energy Research and Technology Center, StonyBrook University, Happpauge, NY.

November 20, 2008. *The Competitive Advantage of Climate Change and Advanced Energy Investment*. Advanced Energy Research and Technology Center, StonyBrook University, Happpauge NY.

October 21, 2008. *Beyond the GHG Inventory: Turning Climate Change into Competitive Advantage*. Industrial Environmental Association, Annual Environmental Summit. San Diego, CA.

January 29, 2008. *Translating Climate Change into Sustainable Competitive Advantage*. Energy and Environment Conference, Tuscon, AZ.

March 20, 2006. With M. Lucas, and C. Dunn. *Accounting for the Role of Environmental Management and Corporate Governance on Financial Performance*. University of North Carolina, Kenan-Flagler Center for Sustainable Enterprise Annual Conference. Raleigh, North Carolina.

Awards

2011. Elsevier's Economics and Finance Journals most cited articles 2005-2009 for article in the *Journal of Environmental Economics and Management* vol 50 (1): pp. 1-22 (co-award).

2006. Zayed International Prize for the Environment for Scientific and Technological Achievements in Environment for lead author role of Chapter 19 in *Millennium Ecosystem Assessment* (co-award).

2005. Dartmouth College *John Sloan Dickey Center Award for International Understanding* for facilitating China-United States scientific exchange.