

# Kalle Matso

Manager, Coastal Science Program  
Piscataqua Region Estuaries Partnership (PREP)  
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## PROFESSIONAL EXPERIENCE

Manager, Coastal Science Program, Piscataqua Region Estuaries Partnership	Feb., 2015 – Present
Affiliate Assistant Professor, Dept. Natural Resources and the Environment, University of New Hampshire (UNH)	March, 2014 - Present
Consulting Participatory Process Designer/Facilitator	Jan. 2013 - Present
Project Investigator, NERRS Science Collaborative, UNH	Sept., 2009 – Feb., 2015
Project Investigator, Cooperative Institute for Coastal & Estuarine Technology (CICEET), UNH	June, 2000 – Sept., 2009

## EDUCATION

Ph.D. 2012. University of New Hampshire; Natural Resources and Earth Systems Science.  
Dissertation Title = “Producing Science that Gets Used by Coastal Communities: What Funders Should Do to Link More Science with Decisions”

M.S. 2000. University of New Hampshire; Department of Natural Resources.  
Thesis Title = “Beach Seine, SCUBA and Remote Video: A Comparison of Three Methods for Assessing Faunal Species Richness and Abundance in Eelgrass Beds”

B.A. 1989. The Colorado College; Department of English

## AWARDS & HONORS

Outstanding Achievement; Office of Vice President for Research, UNH	2012
Ketcham Award for Best Graduate Presentation New England Estuarine Research Society	1999
Reville Prize for Short Fiction (The Colorado College)	1989
Phi Beta Kappa	1989

## FUNDED RESEARCH

NERRS Science Collaborative Co-Investigator, National Coastal and Estuarine Research and Technology Program. Awarded \$23 million from NOAA.	2009 – 2014
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New England Sustainability Consortium (NEST)	2013 – 2015
Co-Investigator. Awarded \$6 million award from NSF.	
ICNet: Generating and Translating New Knowledge for Sustainable Transportation in a Changing Climate.	2014 – 2015
Steering Committee Member. \$750,000 Research Coordination Network grant from NSF.	

**PROFESSIONAL ACTIVITIES**

**Scientific Review Panel Moderator**

CICEET	2003 thru 2009
NERRS Science Collaborative	2009, 2010, 2011, 2012

**Journal/Proposal Reviewer**

North Carolina Sea Grant  
 National Park Service, Hurricane Sandy Mitigation Award  
 Environmental Management  
 Society and Natural Resources  
 Estuaries and Coasts

**Scholarship/Fellowship Referee**

North Carolina Research Reserve (Graduate Research Fellowship)	2011
Switzer Foundation Fellowship – Selection Process Interviewer	2014

**Advisory Boards/Steering Committees**

Waquoit Bay National Estuarine Research Reserve	2011 – Present
Research to Application Task Force; Ocean Research and Resources Advisory Panel, Interagency Committee on Ocean Science and Resource Management Integration	2006 - 2007

**Public Service**

Program Reviewer, Environmental Studies Program, Great Bay Community College	Spring, 2015
Technical Advisor, Spruce Creek Association, Kittery Point, ME	2008 – Present
President, Kittery Land Trust, (Kittery, Maine)	2013 – Present

### Public Engagement Process Design

Piscataqua Region Estuaries Partnership/Great Bay National Estuarine Research Reserve Advisory Board 2013

### Invited Workshop Participant

Heinz Center: “Improving Learning Networks in Coastal Management.” 2003

Packard Foundation, Conservation & Science: Program Evaluation 2011

### Trainings Offered

Working Together to Get Things Done: Collaborative Learning for Natural Resource Mgmt (San Diego, CA; Monterey, CA; Falmouth, MA) 2011 - 2012

Collaborative Learning and Collaborative Research NERRS Annual Meeting, Shepherdstown, W. Virginia 2012

## PUBLICATIONS

### Refereed Journal Articles

Matso, KE and ML Becker. 2014. What Can Funders Do to Better Link Science with Decisions? Case Studies of Coastal Communities and Climate Change. *Environmental Management*. DOI 10.1007/s00267-014-0347-2

Matso, KE and M Becker. 2013. Funding Science that Links to Decisions: Case Studies Involving Coastal Land Use Planning Projects. *Estuaries and Coasts*. DOI: 10.1007/s12237-013-9649-5

Riley, C, KE Matso, D Leonard, J Stadler, D Trueblood and R Langan. 2011. How research funding organizations can increase application of science to decision making. *Coastal Management*. 39:336-350

Matso, K.E., M.O. Dix, B. Chicoski, D.L. Hernandez, J.R. Schubel. 2008. Establishing A Minimum Standard for Collaborative Research in Federal Environmental Agencies. *Journal of Integrated Environmental Assessment and Management*. 4:362-368.

Short, F.T., K.E. Matso, H.M. Hoven, J. Whitten, D.M. Burdick, and C.A. Short. 2001. Lobster use of eelgrass habitat in the Piscataqua River on the New Hampshire/Maine Border, USA. *Estuaries*. Vol. 24, No. 2, p. 277-284

### Refereed Book Chapters

Matso KE. 2012. Challenge of Integrating Natural and Social Sciences to Better Inform Decisions: A Novel Proposal Review Process. In, “Restoring Lands: Coordinating Science, Politics, and Action,” Eds., H. Karl, M. Flaxman, JC Vargas-Moreno and PL Scarlett. Springer Publishing, Dordrecht, the Netherlands.

**Commissioned Research Reports/Publications**

- Matso, KE. 2015. Adaptive Governance. In, "Encyclopedia of Estuaries," Ed. MJ Kennish. Springer Publishing, Dordrecht, the Netherlands.
- Matso, KE. 2015. Participatory Research. In, "Encyclopedia of Estuaries," Ed. MJ Kennish. Springer Publishing, Dordrecht, the Netherlands.
- Research to Applications Task Force. 2007. Best practices for increasing the impact of research investments. A report to the Ocean Research and Resources Advisory Panel.  
<http://www.nopp.org/wp-content/uploads/2010/06/or03.pdf>

**Dissertation**

- Matso, KE. 2012. Producing science that gets used by coastal communities: What funders should do to link more science with decisions. University of New Hampshire.  
<http://nerrs.noaa.gov/Doc/PDF/Science/MatsoDissertation2012.pdf>

**PRESENTATIONS****Invited Presentations, Lectures**

- Matso, KE. 2016. International Low Impact Development Conference. Invited Presentation. "Wicked Problems, the Trust Model and Spanning the Boundary Between Science and Action" Portland, Maine.
- Matso, KE. 2016. New England Estuarine Research Society. Invited Presentation. "Cultivating New Roles in Collaborative Research: Scientists, Trust and Impact" York, Maine.
- Matso, KE. 2015. New England Estuarine Research Society. Invited Presentation. "Increasing How Much Science Influences Decision Making: Is It a Science or an Art?" Bristol, RI.
- Matso, KE. 2011. NERRS Winter Sector Meeting. Invited Presentation. "Funding Decision-Relevant Science: Overview of the Collaborative Approach." Falmouth, MA.
- Matso, KE. 2010. NOAA Center for Sponsored Coastal Ocean Research. "Funding Decision-Relevant Science: Overview of a New Approach" Virtual Presentation. Durham, NH.
- Matso, KE. 2010. NERRS Annual Meeting. Invited Presentation. "Lessons Learned from the First Year of the NERRS Science Collaborative." Shepherdstown, West Virginia.
- Matso, KE. 2009. Aquarium of the Pacific. "Supporting More Useful Science: New Methods for Designing, Implementing and Assessing Applied Coastal Research." Long Beach, CA.
- Matso, KE. 2009. NOAA Social Science Committee. "CICEET and Social Science: Efforts to Increase Impact of Research Investments." Washington D.C.
- Matso, KE. 2008. NOAA Research Council. "Increasing Impact of Research Investments: Assessing New Models." Washington D.C.

Matso, KE and R. Langan. 2006. Ocean Resources Research Advisory Panel. "Catalytic Investments in Research and Technology: Providing Tools and Knowledge for Coastal Management." Washington D.C.

Matso, KE. 2003. Heinz Center Workshop on Improving Learning Networks in Coastal Management. "Using Web-Based Databases for More Efficient Dissemination of Federally Funded Research Results." Heinz Center, MA.

Matso, KE. 1999. Wood's Hole Visiting Scientist Series. "Beach Seine, SCUBA, and Remote Video: a Comparison of Three Methods for Assessing Faunal Species Richness and Abundance in Eelgrass Beds." Woods Hole, MA.

### **Conference Sessions Organized**

Coastal Estuarine Research Federation (CERF) 2013. "Linking Knowledge with Action: Empirical Evidence of What Works and What Doesn't."

Association for the Sciences of Limnology and Oceanography (ASLO) 2013. "Catapults, Ferries, and Bridges: Getting Aquatic Science Results to Policy and Management." Organizers, E. Turner, D. Trueblood, K. Matso, F. Martinez.

Coastal Zone. 2009. "Applying Land Use Technology in Coastal Communities." Boston, MA.

Coastal Zone. 2009. "Building Capacity for Collaborative Decisions, Resilient Ecosystems, and Sustainable Practices: Water, land, community and people in estuarine watersheds." Boston, MA

### **Conference Presentations**

Matso, KE. 2016. Low Impact Development Conference. Invited Presentation. "Wicked Problems, the Trust Model and Spanning the Boundary Between Science and Action." Portland, Maine.

Matso, KE. 2012. NERRS Annual Meeting. "From Collaboration, to Communication to Translation: Case Studies of Integrating Stakeholders into Research for More Usable Science Products." Shepherdstown, West Virginia.

Matso, K.E. 2010. Research Funding Program Implementation and Impact Evaluation. Concurrent Session Presentation. Environmental Evaluators Network Meeting. June, 2010. Washington D.C.

Matso, K.E., J. Stadler, D. Leonard. 2008. "Effectively Linking land use research to decision making: a case study in federal funding program design." Proceedings of the 21st International Conference for the Coastal Society.

### **Invited Lectures, Presentations – College Level**

Graduate Student Presentation Series. Natural Resources and Earth Systems Science Department. 2012. "Funding Decision-Relevant Science: An analysis of a new approach." Univ. of New Hampshire.

Sustainable Engineering; Civil Engineering Department. 2012, 13. "What to Be Aware of Regarding Participatory Processes and Engineering Planning." Univ. of New Hampshire.

Sustainability and Adaptation. Natural Resources and Earth Systems Science Department. 2012. "The NERRS Science Collaborative: Not the Usual Funding Source." Univ. of New Hampshire.

Grant Writing (for Sciences and Natural Resource Management). 2013, 14. Univ. of New Hampshire.

Natural Resource Co-Management: How Do We Make It Work?. 2013. Graduate seminar. University of Maine, Orono.

Environmental Policy, Natural Resources and the Environment, Undergraduate Class. "The Role of Science in Making Policy." 2014

## **TEACHING**

Co-Instructor. Natural Resources and the Environment, University of New Hampshire. NR 915:  
TIDES Seminar: Coastal Challenges for Science-Policy Collaborations (2010, 2011, 2012)

Program Co-Developer. Training for the Integration of Decisions and Ecosystems Science (TIDES).

Instructor, "Environmental Factors in Development Practice," Master of Arts in Community  
Development Policy and Practice; UNH, Carsey Institute. 2013, 2015