

ALISON C. CULLEN

Evans School of Public Affairs
University of Washington
208 Parrington Hall Box 353055
Seattle, WA 98195-3055

(206) 616-1654 phone
(206) 685-9044 fax
alison@u.washington.edu

EDUCATION

- Sc.D.** Environmental Health Science 1992
Harvard University, School of Public Health
- M.S.** Environmental Health Management 1989
Harvard University, School of Public Health
- S.B.** Civil/Environmental Engineering 1984
Massachusetts Institute of Technology

EMPLOYMENT

- 9/09 – Associate Dean for Academic Affairs, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA
- 9/08 – Professor of Environmental Policy and Management, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA
- 6/09-9/09 Independent Consultant, Bill and Melinda Gates Foundation, Seattle, WA
- 8/07 - 8/08 Visiting Scientist, Institute for Environmental Decisions, Eidgenössische Technische Hochschule Zürich
- 9/06 - 9/07 Associate Dean for Research, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA
- 9/00 - 9/08 Associate Professor of Environmental Policy and Management, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA
- 6/00 - 6/01 Visiting Scientist, Environmental and Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO
- 9/95 - 9/00 Assistant Professor of Environmental Policy and Management, Daniel J. Evans School of Public Affairs, University of Washington, Seattle, WA

- 7/93 - 7/95 Assistant Professor, School of Public Health, Departments of Health Policy and Management, Environmental Health, Harvard University, Boston, MA
- 7/92 - 7/93 Post-doctoral Research Associate, School of Public Health, Harvard University, Boston, MA
- 7/88 - 7/89 Research Assistant, Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency, Washington, DC
- 12/85 - 1/88 Environmental Engineer, Gradient Corporation, Cambridge, MA
- 6/84 - 12/85 Environmental Engineer, Water Management Division, U.S. Environmental Protection Agency, Region I, Boston, MA

PUBLICATIONS

Current working papers and papers under review

Cullen, A.C., "Monte Carlo Simulation for Quantitative Health Risk Analysis" chapter submitted to *Encyclopedia of Operations Research and Management Science*.

Bradley, A.E., Cullen, A.C., and Faustman, E.M., "Impact and Policy Implications of Genetic Information in the Regulatory Framework: The Case of Organophosphate Pesticides," under revision *Regulatory Toxicology and Pharmacology*.

Wu, C-F., Liu, L-J., Westberg, H., Williamson, J., and Cullen, A., "Spatial-Temporal and Cancer Risk Assessment of Selected Hazardous Air Pollutants in Seattle," submitted to *Environment International*.

Refereed Publications

Fletschner, D., Anderson, C.L., and Cullen, A., 2009, "Are Women as Likely to Take Risks and Compete? Behavioral Findings from Central Vietnam," *Journal of Development Studies*, accepted for publication.

Bogen, K., Cullen, A., Frey, H.C., and Price, P., 2009, "Probabilistic Exposure Analysis for Chemical Risk Characterization," *Toxicological Sciences*, 109(1), pp. 4-17.

Wu, C., Wu, S., Wu, Y., Cullen, A.C., Larson, T., Williamson, J., Liu, L., 2009 "Cancer Risk Assessment of Selected Hazardous Air Pollutants in Seattle," *Environment International*, 35, pp. 516-522.

Anderson, C.L., Cullen, A.C., and Stamoulis, K., 2008, "Preference Variability Along the Policy Chain in Vietnam," *Journal of Socio Economics*, 37:1729-1745.

Cullen, A.C., Kramer, C.B, and Faustman, E.M., 2008, "The Application of Genetic Information for Regulatory Standard Setting under the Clean Air Act: A Decision Analytic Approach," *Risk Analysis*, 28:877-890.

Markoff, M., and Cullen, A.C., 2008, "Impact of Climate Change on Pacific Northwest Hydropower," *Climatic Change*, 87:451- 469.

Cullen, A.C., D.V. Vorhees, and L.M. Altshul, 2007, "Impact of Dredging on PCB Concentrations and Congener Profiles in Tomatoes Grown near New Bedford Harbor," *Integrated Exposure Analysis and Management*, 3: 484 - 490.

Cullen, A.C., Labiosa, W., Levin, P., and Grossman, E., 2007, "Integrating the Sciences: Natural and Social Science Support for Decision-Making," in Mary Ruckelshaus and Michelle McClure (eds.), *Sound Science: Synthesizing Ecological and Socio-economic Information about the Puget Sound Ecosystem*, ed. NW Science Fisheries Center, NOAA Fisheries Service.

Kramer, C.B, Cullen, A.C., and Faustman, E.M., 2006, "Policy Implications of Genetic Information on Regulation under the Clean Air Act: The Case of Particulate Matter and Asthmatics," *Environmental Health Perspectives*, 114(3), 313-319. [online 26 October 2005] <http://ehp.niehs.nih.gov/docs/2005/8299/abstract.html>

Cullen, A.C. and Small, M., 2003, "Uncertain Risk: The Role and Limits of Quantitative Assessment," in Timothy McDaniels and Mitchell Small (eds.), *Risk Analysis and Society: An Interdisciplinary Characterization of the Field*, Cambridge University Press.

Hornbaker, M. and Cullen, A.C., 2003, "The Precautionary Principle in Practice: Applying the Ashford Framework to Technological Risk," *Human and Ecological Risk Assessment*, 9: 789-810.

Bates, S., Cullen, A., and Raftery, A., 2003, "Bayesian Uncertainty Assessment in Multicompartment Deterministic Simulation Models for Environmental Risk Assessment," *Environmetrics*, 14:355-371.

Cullen, A.C., 2002, "Comparison of Model Predictions and Measurements for PCB Concentration in the vicinity of Greater New Bedford Superfund Site" *ES&T*, 36:2033-2038.

Steel, E.A., Liebermann, M., McElhany, P., Scholz, N. and Cullen, A.C., 2002, "Managing Uncertainty in Salmon Habitat Recovery Planning," in Tim Beechie, Phil Roni and Ashley Steel (eds.), *Assessment Tools for Salmonid Habitat Recovery Planning*, NOAA Technical Memorandum NMFS-NWFSC.

Cullen, A.C. and Bretherton, C.S., 2002, "Progress Toward an Environmentally Sustainable Planet," in C. Leigh Anderson and Janet Looney (eds.), *Making Progress*, Lanham, MD: Lexington Books.

Small, M., Fischhoff, B., Farrow, S., Cullen, A., DeKay, M., Fischbeck, P., Kadane, J., Lave, L., Morgan, M.G., and Takemura, K., 2002, "Risk based decision analysis in support of precautionary approaches," *Journal of Risk Research*, **5**:391-417.

Gertler, N. and A.C. Cullen, 2000, "Effects of a Perceived Risk on Property Values During a Transient Cancer Scare: Implications for Risk Valuation and the Value of Life," *HERA*, **6**:731-745.

Brauer, M., Hrubá, F., Mihalíková, E., Fabiánová, E., Miskovic, P., Plziková, A., Lendacka, M., Vandenberg, J., Cullen, A., 2000, "Personal exposure to particles in Banská Bystrica, Slovakia" *Journal of Exposure Analysis and Environmental Epidemiology*, **10**: 478-487.

Cullen, A.C., 1999, "Uncertainty - Lessons from Exposure Analysis," *Inhalation Toxicology*, **11**:603-610.

Vorhees, D.V., Cullen, A.C. and L.M. Altshul, 1999, "Polychlorinated Biphenyls in House Dust and Yard Soil Near a Superfund Site," *ES&T*, **32**:2151-2156.

Vorhees, D.V., Cullen, A.C. and L.M. Altshul, 1997, "Exposure to Polychlorinated Biphenyls in Residential Indoor Air and Outdoor Air Near a Superfund Site," *ES&T*, **31**:3612-3618.

Cullen, A.C. and A.Q. Eschenroeder, 1997, "Coping with Municipal Waste", in *The Greening of Industry: A Risk Management Approach*, J. D. Graham and J. K. Hartwell (eds.), Harvard University Press, Cambridge, MA.

Cullen, A.C., Vorhees, D.V., and L.M. Altshul, 1996, "The Influence of Harbor Contamination on the Level and Composition of Polychlorinated Biphenyls (PCBs) in Produce in Greater New Bedford, MA," *ES&T*, **30**:1581-1588.

Cullen, A.C., 1995, "The Sensitivity of Monte Carlo Simulation Results to Model Assumptions: The Case of MSWC Risk Assessment," *JAWMA*, **45**: 538-546.

Cullen, A.C., 1994, "Multimedia Assessment of Human Exposure," *Central European Journal of Public Health*, **2**: 53-56.

Cullen¹, A.C., 1994, "Measures of Conservatism in Probabilistic Risk Assessment," *Risk Analysis*, **14**: 389-393.

Taylor, A.C., 1993, "Using Objective and Subjective Information to Generate Distributions for Probabilistic Exposure Assessment," *Journal of Exp An and Env Epi*, **3**: 285-298.

Taylor, A.C., Evans, J.S. and T.E. McKone, 1993, "The Value of Animal Test Information in Environmental Control Decisions," *Risk Analysis*, **13**: 403-412.

Books

Cullen, A.C. and H.C. Frey, 1999, *Probabilistic Techniques in Exposure Assessment: A Handbook for Dealing With Variability and Uncertainty in Models and Inputs*, Plenum Press, New York, NY.

Other Publications

Technical Report, 2009, "Risks of changing livelihoods to increase market orientation: Demand for credit, job training programs, and attitude toward environmental risks", prepared for the International Fund for Agricultural Development, Rome, Italy (co-authored by C. Leigh Anderson, Alison Cullen, Diana Fletschner, Ross Gilliland, Ryan Gockel, Andy Gordon and Minh Nguyen).

Research Brief 2008, "Risk Perception, Decision Making, Poverty and Vulnerability: An Interdisciplinary Approach to Policy," Policy Brief prepared for the International Fund for Agricultural Development, Rome, Italy.

"Superfund and Mining Megasites – Lessons from the Coeur d'Alene River Basin", 2005, Committee on Superfund Site Assessment and Remediation in the Coeur d'Alene River Basin, National Research Council, National Academies Press.

Bates, S., Raftery, A., and Cullen, A., 2000, "Bayesian Uncertainty Assessment in Deterministic Models for Environmental Risk Assessment," *Proceedings of the 2000 Joint Statistical Meetings*, Section on Statistics and the Environment.

Cullen, A., Guttorp, P., and Smith, R., Editorial, *Environmetrics*, 2000, Special Issue on Particulate Matter.

Brauer, M., Cullen, A., Fabianova, E., Hruba, F., Mikhalikova, E., Miskovic, P., and Vandenberg, J., 1999, "Exposure Assessment in Environmental and Occupational Health," US-Slovak Science and Technology Program, Donovaly, Slovak Republic.

¹ Note name change from Taylor to Cullen

Evans, J., J. Graham, G. Gray, A. Hollis, P.B. Ryan, A. Smith, M. Smith and A. Taylor, 1992, "Summary of Workshop to Review an OMB Report on Regulatory Risk Assessment and Management," *Risk -Issues in Health and Safety*, **3**: 71-83.

Taylor, A.C. and D.E. Burmaster, 1989, "Incorporating Time Varying Parameters in the Estimation of Human Health Risk from Superfund Sites," in *Superfund '89, Proceedings of the 10th National Conference*, Washington, DC, the Hazardous Materials Control Research Institute, Silver Spring, MD; November.

Taylor, A.C. and R. Kashmanian, 1989, *Study and Assessment of Eight Yard Waste Composting Programs Across the United States*, final report to EPA under Fellowship U-913010-01-0, EPA/530-SW-89-038, Office of Solid Waste, Office of Policy, Planning and Evaluation, US EPA, Washington DC, 20460.

Taylor, A.C. and R. Kashmanian, 1989, "Overview of EPA Composting Study," *Biocycle*, **30**: 36-42.

Kashmanian, R. and A.C. Taylor, 1989, "Costs of Composting Yard Wastes vs. Landfilling," *Biocycle*, **30**:60-65

Taylor, A.C. and M. Brauer, 1988, "Berlin Conference Roundup: Surveying the Sick Building Syndrome Literature," *Indoor Pollution Law Report*, **2**, Nos. 7. and 8.

Taylor, A.C., D.E. Burmaster, B.L. Murphy, S.H. Boutwell, "An Exposure Modeling System for Hazardous Waste Sites," in *Superfund '87, Proceedings of the 8th National Conference*, Washington, DC, the Hazardous Materials Control Research Institute, Silver Spring, MD; November 1987.

PRESENTATIONS

12/09 "The Evolution of Probabilistic Risk Assessment for Human Health," SRA Annual Meeting, Baltimore MD.

6/09 "The Impact of the Financial Crisis on the Long-Term Challenges faced by Society," Invited Plenary Talk, SRA Europe, 18th Annual Meeting, Karlstad Sweden.

4/09 "Impact of Climate Change on Pacific Northwest Hydropower" with Matthew Markoff, Seminar: Department of Statistics, University of Washington, Seattle, WA.

2/09 "The Dimensions of Risk Perception," Risk Convening Workshop, Gates Foundation, Seattle, WA.

- 12/08 “SRA and the Future of Risk Analysis,” Roundtable Panel, Society for Risk Analysis 2008 Annual Meeting, Boston, MA.
- 12/08 “Risk Perception and Behavior Among the Poor: Design of Policy and Poverty Alleviation Programs,” Society for Risk Analysis 2008 Annual Meeting, Boston, MA.
- 6/08 “Numbers, pictures and words: Communication of Risk and Uncertainty,” in PCST-10 Bridges to the Future, Public Communication of Science and Technology Conference, Malmo, Sweden.
- 5/08 “Understanding and Perception of Risk” in Risk and Uncertainty: Cultural Approaches to Risk Management, A New Transatlantic Dialogue with Leaders from Germany, the United States, and Lebanon, Aspen Institute Berlin, Germany
- 4/08 Expert Roundtable: “Risk Communication”, Swiss Re, Global Dialogue Center, Zürich, Switzerland.
- 2/08 “PCB Contamination, Transport and Human Exposure in New Bedford Harbor, Massachusetts” EAWAG Seminar Series, Dübendorf, Switzerland.
- 12/07 “Libertarian Paternalism is not an Oxymoron,” Discussant to Plenary, Society for Risk Analysis 2007 Annual Meeting, San Antonio, Texas, USA.
- 11/07 “Decision Making and Preferences: What Experiments in Vietnam Tell Us About Variability Between Populations,” Institute for Environmental Decisions, ETH Zürich, Switzerland.
- 11/07 “Genetic Susceptibility to Air Pollution and Regulatory Implications - a U.S. Example” Seminar Series, Institute for Social and Preventative Medicine, Basel, Switzerland.
- 11/07 “Preference Variability Along the Policy Chain in Vietnam,” Departement Geistes, Sozial und Stadtwissenschaft (D-GESS) Colloquium, ETH Zürich, Switzerland.
- 1/07 “Impact of Remediation on PCBs in Produce Grown near New Bedford Harbor,” 4th International Conference on Remediation of Contaminated Sediments, 2007, Savannah GA, USA.
- 12/06 “The Role of Genetic Information in Air Quality Regulation: A Decision Analytic Framework,” Society for Risk Analysis, 2006 Annual Meeting, Baltimore, MD.
- 12/06 “Bounded Rationality along the Policy Chain in Vietnam,” Society for Risk Analysis 2006 Annual Meeting, Baltimore, MD.

- 11/06 “Scientists, Stakeholders, and Collaboration in Natural Resource Management and Policy Making” Panel Chair, APPAM Annual Meeting 2006, Madison, WI.
- 10/06 “Teaching about Evolution – Politics and Education,” Forum on Dimensions of Evolution, Program on the Environment, University of Washington, Seattle, WA.
- 6/06 “Bounded Rationality along the Policy Chain in Vietnam,” 10th Biennial Behavioral Decision Research in Management Conference, Santa Monica, CA, June 15-17, 2006.
- 5/06 “The Role of Genetic Information in Air Quality Regulation – A Decision Analytic Framework,” Benefit-Cost Analysis Conference: What can we do to Improve the Use of Benefit-Cost Analysis? Talaris Center, Seattle, WA.
- 5/06 Panel on Climate Change, Northwest Center for Livable Communities, May 15, 2006, Seattle, WA.
- 12/05 “New Technology and Science into Risk Assessment: Why isn’t it making a difference?” with Elaine Faustman, Society for Risk Analysis Annual Meeting, Orlando FL.
- 10/05 “Impacts of Climate Change on Pacific Northwest Hydropower,” (w/ Matt Markoff) King Country Climate Change Conference, WA.
- 7/05 “Exposure Analysis: State of the Science and Bridges to Dose-Response, Risk Characterization and Decision Making” Society for Toxicology, Washington, DC.
- 4/05 “Perceptions of Environmental Risk and Precaution from Around the Globe” invited for President’s Washington Weekend, University of Washington, Seattle, WA
- 4/05 “The Role of Genetic Information in Air Quality Regulation – A Decision Analytic Framework,” The Center for Study and Improvement of Regulation, Joint Seminar of University of Washington and Carnegie Mellon University.
- 12/04 “Policy Implications of Genetic Information in Regulation under the Clean Air Act: The Case of Particulate Matter and Asthmatics,” Society for Risk Analysis Annual Meeting, Palm Springs, CA
- 6/04 “The Role of Quantitative and Precautionary Analysis in Environmental Decision Making,” (President’s Invited Lecture) The International Environmetrics Society Annual Meeting, Portland, ME
- 12/01 Education Roundtable Invited Panelist – SRA Annual Meeting

- 6/01 "Risk Assessment – Quantitative Approaches," (invited) Geophysical Statistics Program, National Center for Atmospheric Research, Boulder, Colorado
- 5/01 "The Role and Limits of Quantitative Approaches in Decision Making," (invited) Environmental and Societal Impacts Group Seminar, National Center for Atmospheric Research, Boulder, Colorado
- 4/01 "Air Pollution and Exposure Analysis in the Slovak Republic," (invited with co-presenter Dr. Frantiska Hrubá, Slovakia), Environmental and Societal Impacts Group Seminar, National Center for Atmospheric Research, Boulder, Colorado
- 10/00 "Energy and Risk Assessment," Physics Department, University of Colorado.
- 9/00 "Identifying Inputs for Bayesian Analysis," (invited) Workshop on Advanced Methods for Dose-Response Assessment: Bayesian Approaches, Washington, DC
- 6/00 "Uncertain Risk: The Role and Limits of Quantitative Analysis" International Symposium on Risk and Governance, SRA, Warrenton, VA.
- 12/98 "Accounting for Dependency Among Daily Values, in the Development of Distributions," Society for Risk Analysis Annual Meeting 1998, Phoenix, AZ.
- 12/97 "Uncertainty Analysis - Lessons from Probabilistic Exposure Analysis," (Invited Talk), National Academy of Science, 50th Anniversary Colloquium of the Committee on Toxicology, Washington, DC.
- 9/97 "Addressing Uncertainty in Risk Analysis," (Invited Talk), Institute for Epidemiology and Hygiene, Banska Bystrica, Slovak Republic.
- 4/97 "PCB's in Environmental Media near New Bedford Harbor-Measurements and Model Estimates" National Center for Research in Statistics and Environment, Seattle, WA.
- 12/96 "Effects of a Perceived Risk on Property Values During a Transient Cancer Scare: Implications for Risk Valuation and the Value of Life," Society for Risk Analysis, Annual Meeting 1996, New Orleans, LA.
- 12/96 "A Comparison of Model Estimates and Measurements of PCB Levels in Soil and Produce Near New Bedford Harbor," Society for Risk Analysis, Annual Meeting 1996, New Orleans, LA.
- 12/95 "A Critical Comparison of Environmental Exposure Factors in the Czech Republic, Slovak Republic and the US, Society for Risk Analysis, Annual Meeting 1995, Honolulu, Hawaii.

- 9/95 "Assessment of Human Exposure to PCBs in Greater New Bedford, MA, USA," International Society for Exposure Assessment/International Society for Environmental Epidemiology, Annual Meeting, Noordwijkerhout, Netherlands.
- 12/94 "Developing Distributions for Use in Probabilistic Exposure Assessment" (Invited Session), Society for Risk Analysis, Annual Meeting 1994, Baltimore, MD.
- 10/94 "Multimedia Exposure Assessment," (Invited Talk), National Institute of Public Health Czech Republic and NIEHS, USA, Workshop on Hazardous Wastes - Exposure, Remediation, Policy, in Prague, Czech Republic.
- 4/94 "PCB Exposure in the New Bedford Community," (Invited Seminar), US Information Agency, Environmental Protection Agency and Sustainable Economic Development in the United States, Boston, MA.
- 4/94 "Harvard's Study of PCB Exposure in Greater New Bedford," (Invited Talk), New England Chapter, Society for Risk Analysis, Boston, MA.
- 3/94 "New Approaches to Dealing with Uncertainty in Environmental Risk Assessment," (Invited Talk), Rocky Mountain Chapter, Society for Risk Analysis, Denver, CO.
- 12/93 "Exposure to PCBs in the Community Surrounding the New Bedford Superfund Site," Society for Risk Analysis, Annual Meeting 1993, Savannah, GA.
- 12/93 "Measures of Conservatism in Probabilistic Risk Assessment," Society for Risk Analysis, Annual Meeting 1993, Savannah, GA.
- 11/93 "Environmental Health Risk Assessment: A Discussion of Analytical Methods for Interpreting Model Predictions," (Invited Seminar), EBASCO, Seattle, WA.
- 11/93 "Human Exposure to PCBs from a Superfund Hazardous Waste Site" (Invited Talk), Third International Seminar on Environmental Risk Assessment, Hanyang University, Seoul, South Korea.
- 10/93 "Uncertainty in Multi-Pathway Risk Assessment - A Monte Carlo Approach to Assessing Human Health Impacts due to Municipal Waste Incineration," (Invited Talk), International Workshop on Environmental Health Risk Assessment, Yonsei University, Seoul, South Korea.
- 8/93 "The Monte Carlo Approach to Human Health Risk Assessment - Sensitivity to Assumptions about Gas/Particle Partitioning," (Invited Talk), Oregon Graduate Institute, Portland, OR.
- 4/93 "Choosing Input Distributions for Use in Monte Carlo Simulation," (Invited Talk), EPA/UVA Workshop, Charlottesville, VA.

12/92 "Sensitivity of Monte Carlo Results to Model Assumptions: MSW Incineration," Society for Risk Analysis, Annual Meeting 1992, San Diego, CA.

12/91 "The Value of Animal Test Information in the Context of Environmental Control Decisions," Society for Risk Analysis, Annual Meeting 1991, New Orleans, LA.

GRANT ACTIVITY

"Improving Understanding of Cognition and Institutions for Poverty Alleviation Programmes and Human Security," Sponsored by the International Fund for Agricultural Development, (Anderson and Cullen, co-PIs) \$200,000 (2006-2009).

"Dimensions of Risk and Discount Rates in Financial and Health Risk Decisions," Royalty Research Fund, University of Washington, (Anderson and Cullen, co-PIs) \$38,000, 2005.

"Impact of Climate Change on Pacific Northwest Hydropower," University of Washington Transition Program, (Cullen, PI), 2004, \$19,000.

"Investigation of Spatial and Temporal Variation of Air Toxics in the Seattle Area," Washington State Department of Ecology, (w/Sally Liu), 2002, \$35,374.

"Uncertainty Initiative at NCAR" National Center for Atmospheric Research, (w/Linda Mearns), 2002, \$160,000.

"Geographic Information Systems and Child Health," US Environmental Protection Agency, Health Effects Research Laboratory, Research Triangle Park, (Cullen, PI), 2001, \$30,000.

"Climate Information Variability in Costa Rica," National Research Center for Statistics and the Environment," (Cullen, PI), 2001, \$4000.

US Environmental Protection Agency, National Research Center for Statistics and Environment, Cooperative Agreement, (Cullen, co-PI) 1997-2001, \$5.38 million.

Joint Fund for US-Czech-Slovak Science and Technology, (Cullen, PI), 1995-1998, \$35,000.

"Agricultural Modeling for Watershed Management, US Environmental Protection Agency Region X, grant #119141, (Cullen, PI), 1999, \$10,000.

Evans School Faculty Research Seed Grant, (Cullen, PI), 1999, \$1000.

Graduate School of Public Affairs, University of Washington, Diversity Initiative, (Cullen, PI), 1996, \$2000.

National Research Council, Collaborative Research in Sectoral Policy, (Cullen, PI), 1995, \$2,200.

HONORS and AWARDS

Society for Risk Analysis, Fellow, 2009

Society of Toxicology, Top 10 Publication in 2008, Demonstrating the Application of Risk Assessment.

Environmental Protection Agency, Special Recognition in the Field of Air Toxics, 2003

Society for Risk Analysis – Chauncey Starr Award for Contributions to the Field by a Risk Analyst Under Age 40, 2002

International Society of Exposure Analysis – Joan M. Daisey, Outstanding Young Scientist Award, 1998

UW Graduate School of Public Affairs - Excellence in Teaching Award, 1997

National Research Council COBASE Award (Czech and Slovak Republics), 1995

National Academy of Sciences, Young Investigator Program, Health Effects of Environmental Degradation in the Czech and Slovak Republics, 1993, 1994

Switzer Foundation Fellowship, 1989, 1990

Harvard Alumni Scholarship, 1989-90

U.S. EPA, National Network for Environmental Policy Studies Fellowship, 1988

U.S. Department of Health and Human Services Scholarship, 1987-89

U.S. EPA Certificate of Special Achievement, 1985

SERVICE – PROFESSIONAL COMMUNITY

Society for Risk Analysis – Past-President 2010, President 2009, President-elect 2008, Council 1998-2000, Exposure Assessment Group Chair

National Academy of Science Committee on Risk Assessment and Remediation at the Coeur d'Alene Superfund Site 2003-2005

Society for Toxicology – Workshop on Probabilistic Risk Analysis: State of the Science and Bridges to Dose-Response, Risk Characterization and Decision Making 2005

Seattle Public Utility – Stormwater Rate Advisory Board 2005

Rutgers, Bloustein School of Planning and Public Policy Methods Sequence Review 2005-2006

Grant Review

Alfred P. Sloan Foundation

Bill and Melinda Gates Foundation

National Research Council (US State Department)

National Institute of Health, Study Section Member

National Science Foundation, Decision, Risk and Management Sciences

The Cooperative Institute for Coastal and Estuarine Environmental Technology

Editorial Boards

Guest Editor and Editorial Board: *Risk Analysis*

Reviewer for the Journals:

Environmental Science and Technology

Air and Waste Management Association

Human and Ecological Risk Analysis

Risk Analysis

SERVICE – UW

Associate Dean of Academic Affairs, Evans School 2009-2010

Faculty Senate 2009-2010

Committee Chair, Promotion and Tenure, Bostrom 2009

Committee Member, Promotion and Tenure, Cook, 2009

Review of Dean of School of Public Affairs 2009

Committee Member, Diversity Oversight Committee 2009

Review of Dean of College of Forest Resources 2006-2007

Fleagle Lecture Selection Committee 2007-2009

UW Royalty Research Fund Reviewer 2005-2007

UW Center for Workforce Development Mentor 2005-2009

UW Earth Initiative Steering Committee, Budget Committee 2003-2007

Review of Program on Climate Change 2005-2006

Review of School of Marine Affairs 2005-2006

UW Program on the Environment – Steering Committee 1999-2009

UW Environmental Management Certificate - Steering Committee 1999-2001 and 2003-2007, Director 2001-2003

UW National Research Center for Statistics and Environment, Executive Committee 1997-2001