APPENDIX TO META-ANALYSIS SURVEY – 125 ENVIRONMENTAL ECONOMICS STUDIES
(Not for Publication – additions solicited –updated 05/01/2009)
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1. Air Pollution [ID code numbers]

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Smith, V.K. and J-C. Huang, Hedonic models and air pollution: Twenty-five years and counting, Environmental & Resource Economics 3, 1993, 381-94. [2-3]
Smith, V.K. and J-C. Huang, Can markets value air quality? A meta-analysis of hedonic property value models, Journal of Political Economy 103, 1995, 209-27. [4]
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2. Contingent Valuation & Stated Preference Methods

Ash, M., J.J. Murphy, and T.H. Stevens, Hypothetical bias in dichotomous choice contingent valuation studies, Working paper 2004-9, University of Massachusetts, 2004. [6]
Carson, R.T., N.E. Flores, K.M. Martin, and J.L. Wright, Contingent valuation and revealed preference methodologies: Comparing the estimates for quasi-public goods, Land Economics 72, 1996, 80-99. [7]
Gen, S., Meta-Analysis of Environmental Valuation Studies, Unpublished Ph.D. dissertation, Georgia Institute of Technology, 2004. [8]
Horowitz, J.K. and K.E. McConnell, A review of WTA/WTP studies, Journal of Environmental Economics and Management 44, 2002, 426-47. [9]
List, J.A. and C.A. Gallet, What experimental protocol influence disparities between actual and hypothetical stated values? Evidence from a meta-analysis, Environmental & Resource Economics 20, 2001, 241-54. [10]
Little, J. and R. Berrens, Explaining disparities between actual and hypothetical stated values: Further investigation using meta-analysis, Economics Bulletin 3, 2004, 1-13. [11]
Murphy, J.J., P.G. Allen, T.H. Stevens, and D. Weatherhead, A meta-analysis of hypothetical bias in stated preference valuation, Environmental & Resource Economics 30, 2005, 313-25. [12]
Ojea, E., The role of use and non-use values in environmental valuation: Do they matter in scope tests? Working paper, Universiade de Santiago de Compostela, 2007. [13]
Peloza, J. and P. Steel, The price elasticities of charitable contributions: A meta-analysis, Journal of Public Policy & Marketing 24, 2005, 260-72. [129]
Sayman, S. and A. Onculer, Effects of study design characteristics on the WTA-WTP disparity: A meta analytical framework, Journal of Economic Psychology 26, 2005, 289-312. [14]
Schlapfer, F., Survey protocol and income effects in the contingent valuation of public goods: A meta-analysis, Ecological Economics 57, 2006, 415-29. [15]
Smith, V.K. and L.L. Osborne, Do contingent valuation estimates pass a 'scope' test? A meta-analysis, Journal of Environmental Economics and Management 31, 1996, 287-301. [16]

3. Discount Rates & Time Preferences

Asenso-Boadi, F., T.J. Peters, and J. Coast, Exploring differences in empirical time preference rates for health: An application of meta-regression, Health Economics 17, 2008, 235-48. [17]
Percoco, M. and P. Nijkamp, Individual time preferences and social discounting: A survey and a meta-analysis, Working paper, Bocconi University and Free University of Amsterdam, 2006. [18]
Wheeler, W.J., A meta-analysis of discount rates implicit in consumers' energy-efficiency decisions, in Discounting and the Evaluation of Global Warming Policies, Unpublished Ph.D. dissertation, Pennsylvania State University, 1997, pp. 6-25. [19]

4. Endangered Species & Biodiversity

Borisova-Kidder, A., Meta-Analytical Estimates of Values of Environmental Services Enhanced by Government Agricultural Conservation Programs, Unpublished Ph.D. dissertation, Ohio State University, 2006, pp. 103-10. [20; also 111, 116]
Brander, L.M., P. Van Beukering, and H.S.J. Cesar, The recreational value of coral reefs: A meta-analysis, Ecological Economics 63, 2007, 209-18. [21]

Jacobsen, J.B. and N. Hanley, Are there income effects on global willingness to pay for biodiversity conservation? Environmental & Resource Economics (in press, 2008). [131]
Kroeger, T., F. Casey, and C. Haney, Reintroduction of the Mexican wolf (*Canis lupus baileyi*) to the Southwestern United States: An economic perspective, Working paper, Defenders of Wildlife, 2006. [22]
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Santos, J.M.L., Validity, reliability and transferability of CVM landscape benefit estimates: A meta-analysis, in The Economic Valuation of Landscape Changes: Theory and Policies for Land Use and Conservation (Cheltenham: Elgar, 1998), pp. 225-54. [24]
Tuan, T.H. and H. Lindhjem, Meta-analysis of nature conservation values in Asia & Oceania: Data heterogeneity and benefit transfer issues, MPRA Paper No. 11470, Norwegian University of Life Sciences, 2008. [132]

5. Energy Markets & Resources

Brons, M., P. Nijkamp, E. Pels, and P. Rietveld, A meta-analysis of the price elasticity of gasoline demand: A SUR approach, Energy Economics (in press, 2007). [25]
Espey, J.A. and M. Espey, Turning on the lights: A meta-analysis of residential electricity demand elasticities, Journal of Agricultural and Applied Economics 36, 2004, 65-81. [26-27]
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Koetse, M.J., H.L.F. de Groot, and R.J.G.M. Florax, Capital-energy substitution and shifts in factor demand: A meta-analysis, Energy Economics (in press, 2007). [32-33]
Sundqvist, T., What causes the disparity of electricity externality estimates? Energy Policy 32, 2004, 1753-66. [34]

6. Environmental Regulation & Economic Growth

Cavlovic, T.A., K.H. Baker, R.P. Berrens, and K. Gawande, A meta-analysis of environmental Kuznets curve studies, Agricultural and Resource Economics Review 29, 2000, 32-42. [35]
Jacobsen, J.B. and N. Hanley, Are there income effects on global willingness to pay for biodiversity conservation? Working paper, Copenhagen University and University of Stirling, 2007. [36]
Jeppesen, T., J.A. List, and H. Folmer, Environmental regulations and new plant location decisions: Evidence from a meta-analysis, Journal of Regional Science 42, 2002, 19-49. [37-38]
Johnston, R.J., J.B. Kukielka, and J.M. Duke, Systematic variation in willingness to pay for agricultural land preservation: A meta-analysis, Working paper, Clark University, 2008. [133]
Li, H., T. Grijalva, and R.P. Berrens, Economic growth and environmental quality: A meta-analysis of environmental Kuznets curve studies, Economics Bulletin 17, 2007, 1-11. [39]
Mulatu, A., R.J.G.M. Florax, and C.A. Withagen, Environmental regulation and competitiveness: An exploratory meta-analysis, in C. Böhringer and A. Löschel (eds.), Empirical Modeling of the Economy and the Environment (Berlin: Physica Verlag, 2003), pp. 23–54. [40]
Oltmer, K., P. Nijkamp, R. Florax, and F. Brouwer, A meta-analysis of environmental impacts of agri-environmental policies in the European Union, Discussion Paper TI 2000-058/3, Tinbergen Institute, Amsterdam, 2000. [41]
Thiam, A., B.E. Bravo-Ureta, and T.E. Rivas, Technical efficiency in developing country agriculture: A meta-analysis, Agricultural Economics 25, 2001, 235-43. [42]

7. Global Warming, Greenhouse Gases & Sustainability

Barker, T., J. Kohler, and M. Villena, Costs of greenhouse gas abatement: Meta-analysis of post-SRES mitigation scenarios, Environmental Economics & Policy Studies 5, 2002, 135-66. [43]
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Fischer, C. and R.D. Morgenstern, Carbon abatement costs: Why the wide range of estimates? Energy Journal 27, 2006, 73-86. [46]

Gerlagh, R. and O. Kuik, Carbon leakage with international technology spillovers, Working paper, University of Manchester and Free University of Amsterdam, 2007. [47]
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Nijkamp, P. and G. Pepping, A meta-analytical evaluation of sustainable city initiatives, Urban Studies 35, 1998, 1481-1500. [50]
Patuelli, R., P. Nijkamp, and E. Pels, Environmental tax reform and the double dividend: A meta-analytical performance assessment, Ecological Economics 55, 2005, 564-83. [51]
Repetto, R. and D. Austin, The Costs of Climate Protection: A Guide for the Perplexed (Washington, DC: World Resources Institute, 1997). [52]
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van den Bergh, J.C.J.M. and P. Rietveld, Reconsidering the limits to world population: Meta-analysis and meta-prediction, BioScience 54, 2004, 195-204. [54]
van Kooten, G.C., A.J. Eagle, J. Manley, and T. Smolak, How costly are carbon offsets? A meta-analysis of carbon forest sinks, Environmental Science & Policy 7, 2004, 239-51. [55]
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8. Hazardous Waste, Landfills & Pesticides

Brisson, I. and D. Pearce, Benefits transfer from disamenity from waste disposal, CSERGE Working paper WM 95-06, University of East Anglia, 1995. [134]
Florax, R.J.G.M., C.M. Travisi, and P. Nijkamp, A meta-analysis of the willingness to pay for reductions in pesticide risk exposure, European Review of Agricultural Economics 32, 2005, 441-67. [56]
Kiel, K.A. and M. Williams, The impact of Superfund sites on local property values: Are all sites the same? Journal of Urban Economics 61, 2007, 170-92. [57]
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Ringquist, E.J., Assessing evidence of environmental inequities: A meta-analysis, Journal of Policy Analysis and Management 24, 2005, 223-47. [58-59-60]
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Walton, H., R. Boyd, T. Taylor, and A. Markandya, Explaining variation in amenity costs of landfill: Meta-analysis and benefit transfer, Environment and Planning B (in press, 2008). [136]
Won, D.H., J.B. Braden, and L.O. Taylor, The economic impact of contaminated and noxious sites: A meta analysis, Working paper, University of Illinois, 2007. [62]

9. Recreation Values: Aquatic Resources

Johnston, R.J., E.Y. Besedin, R. Iovanna, C.J. Miller, R.F. Wardwell, and M.H. Ranson, Systematic variation in willingness to pay for aquatic resource improvements and implications for benefit transfer: A meta-analysis, Canadian Journal of Agricultural Economics 53, 2005, 221-48. [63]
Johnston, R.J., M.H. Ranson, E.Y. Besedin, and E.C. Helm, What determines willingness to pay per fish? A meta analysis of recreational fishing values, Marine Resource Economics 21, 2006, 1-32. [64]
Koteen, J., S.J. Alexander, and J.B. Loomis, Evaluating Benefits and Costs of Changes in Water Quality, General Technical Report PNW-GTR-548 (Portland, OR: U.S. Forest Service, 2002). [65]
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10. Recreation Values: Forested Areas

Bateman, I.J. and A.P. Jones, Contrasting conventional with multi-level modeling approaches to meta-analysis: Expectation consistency in U.K. woodland recreation values, Land Economics 79, 2003, 235-58. [69]
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Zandersen, M. and R.S.J. Tol, A meta-analysis of forest recreation values in Europe, Working Paper FNU-86, Hamburg University, 2005. [71]

11. Recreation Values: Multiple-Use

Noonan, D.S., Contingent valuation and cultural resources: A meta-analytic review of the literature, Journal of Cultural Economics 27, 2003, 159-76. [72]
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Smith, V.K. and Y. Kaoru, What have we learned since Hotelling's letter? A meta-analysis, Economics Letters 32, 1990a, 267-72. [76]
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Walsh, R.G., D.M. Johnson, and J.R. McKean, Issues in nonmarket valuation and policy application: A retrospective glance, Western Journal of Agricultural Economics 14, 1989, 178-88. [78, also 125]

12. Transportation Externalities

Brons, M., P. Nijkamp, E. Pels, and P. Rietveld, Efficiency of urban public transit: A meta-analysis, Transportation 32, 2005, 1-21. [79]
Button, K., What can meta-analysis tell us about the implications of transport? Regional Studies 29, 1995, 507-17. [80]
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Button, K. and P. Nijkamp, Environmental policy assessment and the usefulness of meta-analysis, Socio-Economic Planning Sciences 31, 1997, 231-40. [82]
Debrezion, G., E. Pels, and P. Rietveld, The impact of railway stations on residential and commercial property value: A meta-analysis, Journal of Real Estate Finance and Economics 35, 2007, 161-80. [83]
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Schipper, Y., P. Nijkamp, and P. Rietveld, Why do aircraft noise value estimates differ? A meta-analysis, Journal of Air Transport Management 4, 1998, 117-24. [87]

13. Value of a Statistical Life

Bellavance, F., G. Dionne, and M. Lebeau, The value of a statistical life: A meta-analysis with a mixed effects regression model, Working paper 06-12, Ecole des HEC Montreal, 2007. [88] Published in Journal of Health Economics 28, 2009, 444-64.
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Mrozek, J.R. and L.O. Taylor, What determines the value of life? A meta-analysis, Journal of Policy Analysis and Management 21, 2002, 253-70. [96]
Neumann, J.E., C.G. Leggett, and P.R. Penumalli, Willingness to pay for reductions in fatal risk: A meta-analysis of the value of statistical life literature, in Economic Valuation of Mortality Risk Reduction: Assessing the State of the Art for Policy Applications, National Center for Environmental Economics, U.S. Environmental Protection Agency, 2001. [139]
Viscusi, W.K. and J.E. Aldy, The value of a statistical life: A critical review of market estimates throughout the world, Journal of Risk and Uncertainty 27, 2003, 5-76. [97]

14. Value of Travel Time

Tseng, Y-Y., A meta-analysis of travel time reliability, Working paper, Free University of Amsterdam, 2004. [98]
Wardman, M., The value of travel time: A review of British evidence, Journal of Transport Economics and Policy 32, 1998, 285-316. [99]
Wardman, M., Public transport values of time, Transport Policy 11, 2004, 363-77. [100]
Waters, W.G. II, Values of travel time savings in road transport project evaluation, in D. Hensher, J. King, and T.H. Oum (eds.), World Transport Research, Vol. 3: Transport Policy (Oxford: Pergamon, 1996), pp. 213-23. [101]
Zamparini, L. and A. Reggiani, Meta-analysis and the value of travel time savings: A transatlantic perspective in passenger transport, Networks and Spatial Economics 7, 2007a, 377-96. [102]
Zamparini, L. and A. Reggiani, Freight transport and the value of travel time savings: A meta-analysis of empirical studies, Transport Reviews 27, 2007b, 621-36. [127]

15. Water Supply & Demand

Dalhuisen, J.M., R.J.G.M. Florax, H.L.F. de Groot, and P. Nijkamp, Price and income elasticities of residential water demand: A meta-analysis, Land Economics 79, 2003, 292-308. [103-104]
Espey, M., J. Espey, and W.D. Shaw, Price elasticity of residential demand for water: A meta-analysis, Water Resources Research 33, 1997, 1369-74. [105]
Paredes, A.M., Meta-Analysis of Residential Water Demand Elasticities with Respect to Selected Explanatory Variables, Unpublished Ph.D. dissertation, Southern Illinois University, 1996, pp. 56-73. [106-107]
Scheierling, S.M., J.B. Loomis, and R.A. Young, Irrigation water demand: A meta-analysis of price elasticities, Water Resources Research 42, 2006, 1-9. [108]
Ukoli-Onodipe G., Designing Optimal Water Supply Systems for Developing Countries, Unpublished Ph.D. dissertation, Ohio State University, 2003, pp. 60-79. [109]

16. Water Quality Management

Barton, D.N., How much is enough? The value of information from benefit transfers in a policy-context, in S. Navrud and R. Ready (eds.), Environmental Value Transfer: Issues and Methods (Dordrecht: Springer, 2007), pp. 161-77. [110]

Borisova-Kidder, A., Meta-Analytic Estimates of Values of Environmental Services Enhanced by Agricultural Conservation Programs, Unpublished Ph.D. dissertation, Ohio State University, 2006, pp. 71-102. [111; also 20, 116]

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Van Houtven, G., J. Powers, and S.K. Pattanayak, Valuing water quality improvements in the Untied States using meta-analysis: Is the glass half-full or half-empty for national policy analysis? Resource and Energy Economics 29, 2007, 206-28. [115]

17. Wetland Resources

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Brouwer, R., I.H. Langford, I.J. Bateman, and R.K. Turner, A meta-analysis of wetland contingent valuation studies, Regional Environmental Change 1, 1999, 47-57. [118]

Enjolras, G. and J-M. Boisson, Valuing lagoons using a meta-analytical approach: Methodological and practical issues, Unpublished paper, University of Montpellier, 2007. [119]

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18. New Meta-Analysis Studies (last updated on 04/20/09): These are NOT in the survey paper analysis

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Hall, C., D. Moran, and D. Allcroft, Valuing perceived risk of genetically modified food: A meta-analysis, In D. Pearce (ed.), Environmental Valuation in Developed Countries: Case Studies (2006), pp.

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