

**UNIVERSITY OF WYOMING
DEPARTMENT OF ECONOMICS
CURRICULUM VITAE**

May 2017

NAME: Edward B. Barbier

ADDRESS

Department of Economics
College of Business
1000 E. University Ave., BU 270W
Laramie, WY 82071
Phone: 307-766-2358; Fax: 307-766-5090
Email: ebarbier@uwyo.edu

EDUCATION

1986	Ph.D. Economics, Birkbeck College, University of London, London, England
1980	M.Sc. Economics, London School of Economics and Political Science, London, England
1979	B.A. Economics and Political Science, <i>cum laude</i> , Yale College, Yale University, New Haven, Connecticut

ACADEMIC POSITIONS

2016	Chair, Department of Economics, University of Wyoming
2000	John S. Bugas Professor of Economics, Department of Economics, University of Wyoming
1995-2000	Reader, Environment Department, University of York, United Kingdom
1993-1995	Senior Lecturer, Department of Environmental Economics and Environmental Management, University of York, United Kingdom
1990-1993	Director, London Environmental Economics Centre (LEEC) of the International Institute for Environment and Development (IIED) and University College, London
1988-1990	Associate Director, London Environmental Economics Centre, London
1986-1988	Economist, International Institute for Environment and Development, London
1982-1986	Economics Lecturer, part-time, M.E.I.S. Department, Polytechnic of the Southbank, London
1984-1985	Visiting Economics Lecturer, Webster University, Geneva

1981-1984

Economics Lecturer, part-time, School of Social Sciences & Business Studies, Polytechnic of Central London, London

BUSINESS EXPERIENCE /CONSULTANCIES/REPORTS (Since 2000)

2016-2017. "Reconciling Inclusive Wealth and Piketty: Natural Capital and Wealth in the 21st Century", Chapter for *2017 Inclusive Wealth Report*, United Nations Environment Programme (UNEP), Nairobi and the Urban Institute, Kyushu University, Fukuoka, Japan.

2014-2015. "Climate Change Impacts on Poverty in Coastal Ecosystems". Background Paper, Climate Change and Poverty Report *Shock Waves: Managing the Impacts of Climate Change on Poverty*, The World Bank, Washington, D.C., 2016.

April-August 2014. "Challenges to Ecosystem Service Valuation for Wealth Accounting", Chapter for *2014 Inclusive Wealth Report*, United Nations University International Human Dimensions Programme on Global Environmental Change (IHDP) and United Nations Environment Programme (UNEP), Bonn, Germany.

2013-2014, co-authored with Jacob P. Hochard, "Land Degradation, Less Favored Lands and the Rural Poor: A Spatial and Economic Analysis." A Report for the Economics of Land Degradation Initiative, Bonn, Germany. Available at www.eld-initiative.org

January-April 2013. "A Report on Water and Green Growth with a Focus on Biodiversity and Water Inter-Linkages", Organization for Economic Cooperation and Development (OECD), Paris, France.

September 2012. "External Review of Chapter 3 of the African Development Report (ADR) 2012." African Development Bank, Tunis, Tunisia.

July-September 2012. Research and preparation of a paper, co-authored with A. Chaudhry, "Urban Growth and Water", for presentation at the technical workshop, "The Importance of Water to the U.S. Economy: Environmental Protection Agency Office of Water, Washington, D.C., September 19, 2012

2011-2012. "Natural Capital, Ecological Scarcity and Rural Poverty", paper for the Green Growth Knowledge Platform Inaugural Conference, Mexico City, Mexico, and for the Green Development Program, DECRG: Environment & Energy, The World Bank, Washington DC.

2011-2012. "Ecosystem Services and Wealth Accounting", Chapter for *2012 Inclusive Wealth Report*, United Nations University International Human Dimensions Programme on Global Environmental Change (IHDP) and United Nations Environment Programme (UNEP), Bonn, Germany.

2011. Contributor, United Nations Environment Programme (UNEP). *Towards a Green Economy: Pathways to Sustainability and Poverty Eradication*, www.unep.org/greeneconomy on behalf of the Green Economy Initiative and the Division of Technology, Industry and Economics, UNEP, 2010-2011, Geneva, Switzerland.

2010-2011. "Linking green stimulus, energy efficiency and technological innovation: The need for complementary policies." Paper prepared for the European Commission DG 1 (External Relations) Project, "Transatlantic Opportunities for Meeting Global Challenges in Energy Efficiency and Low Carbon Technologies", Brussels, Belgium.

2008-2009. "A Global Green New Deal", Report prepared for the Governing Council of the United Nations Environment Programme (UNEP) on behalf of the Green Economy Initiative and the Division of Technology, Industry and Economics, UNEP, Geneva, Switzerland.

2002-2003. Consultant, BioEcon Project, Environment Department, University of York, UK.

2001-2002. Peer Reviewer, Mexico Environmental Degradation and Poverty Study, The World Bank, Washington, D.C.

CURRENT JOB DESCRIPTION

12.5% Teaching 37.5% Research 0% Service 50% Administration

RESEARCH INTERESTS:

Natural resources and economic development; economics and ecology; trade and natural resources.

TEACHING INTERESTS:

Environmental and resource economics; development economics.

TEACHING (Since Spring 2005)

<u>Year</u>	<u>Semester</u>	<u>Course Number and Title</u>	<u>Cr.Hrs.</u>	<u>Enrollment</u>
2005	Spring	ECON 5700 Economic Development	3	6
2005	Spring	ECON 4720 International Trade	3	33
2005	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	5
2006	Spring	ECON 2400 Economics of the Environment	3	6
2006	Spring	ECON 4720 International Trade	3	37
2007	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	8
2008	Spring	ECON 5700 Economic Development	3	6
2008	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	3
2009	Spring	ECON 2400 Economics of the Environment	3	4
2009	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	5
2010	Spring	ECON 5700 Economic Development	3	3
2010	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	9
2011	Spring	ECON 2400 Economics of the Environment	3	5
2011	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	9
2012	Spring	ECON 5700 Economic Development	3	10
2012	Fall	ECON 5410 Resource and Env. Econ.	3	7
2013	Spring	ECON 2400 Economics of the Environment	3	25
2013	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	6
2014	Spring	ECON 5700 Economic Development	3	7
2014	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	6
2015	Fall	ECON 5410 Seminar: Resource and Env. Econ.	3	4
2016	Spring	ECON 5700 Economic Development	3	3
2017	Spring	ECON 5410 Seminar: Resource and Env. Econ.	3	6

PUBLICATIONS

Refereed Journal Articles:

Barbier, E.B. and J.P. Hochard. "Climate Change and Poverty-Environment Traps." *Review of Environmental Economics and Policy*, Accepted.

Hochard, J.P. and E.B. Barbier. "Market accessibility and economic growth: Insights from a new dimension of inequality." *World Development*, Accepted.

Eskander, S.M., E.B. Barbier and B. Gilbert. "Fishing and Non-fishing Income Decisions: The Role of Human Capital and Family Structure." *Land Economics*, Accepted.

Mason, C.F., V. Umanskaya and E.B. Barbier. "Trade, Transboundary Pollution, and Foreign Lobbying." *Environmental and Resource Economics*, Accepted.

Hungate, B.A. E.B. Barbier, A.W. Ando, S.P. Marks, P.B. Reich, N. van Gestel, G.D. Tilman, J.M.H. Knops, D.U. Hooper, B.J. Butterfield and B.J. Cardinale. "The economic value of grassland species for carbon storage." *Science Advances*, Accepted.

Barbier, E.B. "Marine ecosystem services." *Current Biology*, in press.

Barbier, E.B. M. Czajkowski and N. Hanley. "Is the income elasticity of the willingness to pay for pollution control constant?" *Environmental and Resource Economics*, Published online: 14 June 2016 doi:10.1007/s10640-016-0040-4

Barbier, E.B. and J.C. Burgess. "Depletion of the global carbon budget: A user cost approach." *Environment and Development Economics*, 1-16. Published online: 27 March 2017 DOI: <https://doi.org/10.1017/S1355770X17000055>

Barbier, E.B. 2017. "The Economics of Aquatic Ecosystems: An Introduction to the Special Issue." *Water Economics and Policy* 3(2) 1702002 (6 pages). <http://www.worldscientific.com/doi/abs/10.1142/S2382624X17020027>

Barbier, E.B. 2017. "Valuation of Mangrove Restoration." *Oxford Research Encyclopedia of Environmental Science: Environmental Economics*. Online Publication Date: Mar 2017 DOI: 10.1093/acrefore/9780199389414.013.458.

Barbier, E.B. and J.C. Burgess. 2017. "Economic Principles for 'Spaceship Earth'". *Resources* 194, Spring. <http://www.rff.org/research/publications/economic-principles-spaceship-earth>

Barbier, E.B., P. Delacote and J. Wolfersberger. 2017. "The Economic Analysis of the Forest Transition: A Review." *Journal of Forest Economics* 27:10-17.

Eskander, S.M. and E.B. Barbier. 2017. "Tenure Security, Human Capital and Soil Conservation in an Overlapping Generation Rural Economy." *Ecological Economics* 135:176-185.

Moreno-Mateos, D., E.B. Barbier, P. Jones, H. Jones, J. Aronson, J. López-López, M. McCrackin, P. Meli, D. Montoya, and J. Rey Benayas. 2017. "Anthropogenic ecosystem disturbance and the recovery debt". *Nature Communications* 8:14163, doi:10.1038/ncomms14163.

Barbier, E.B. 2016. "Natural Capital and Wealth in the 21st Century." *Eastern Economic Journal* 1-15, online, doi:10.1057/s41302-016-0013-x. <http://link.springer.com/article/10.1057/s41302-016-0013-x>

- Barbier, E.B. 2016. "Building the Green Economy." *Canadian Public Policy* 42 Supplement 1:S1-S9.
- Mahmud, S. and E.B. Barbier. 2016. "Are private defensive expenditures against storm damages affected by public programs and natural barriers? Evidence from the coastal areas of Bangladesh." *Environment and Development Economics* 21:767-788.
- Nordlund, L.M., E.W. Koch, E.B. Barbier, and J. Creed. 2016. "Seagrass Ecosystem Services and their Variability across Genera and Geographical Regions." *PLOS ONE* 11(10): e0163091.
doi:10.1371/journal.pone.0163091
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0163091>
- Barbier, E.B. 2016. "Sustainability and Development." *Annual Review of Resource Economics* 8:261-280.
- Barbier, E.B. 2016. "Is Green Growth Relevant for Poor Economies?" *Resource and Energy Economics* 45:178-191.
- Barbier, E.B. 2016. "The Protective Service of Mangrove Ecosystems: A Review of Valuation Methods." *Marine Pollution Bulletin* 109:676-681.
- Barbier, E.B. and J.P. Hochard. 2016. "Does land degradation increase poverty in developing countries?" *PLOS ONE* 11(5): e0152973. doi:10.1371/journal.pone.0152973
<http://dx.doi.org/10.1371/journal.pone.0152973>
- Barbier, E.B. 2016. "The Protective Value of Estuarine and Coastal Ecosystem Services in a Wealth Accounting Framework." *Environmental and Resource Economics* 64:37-58.
- Kennedy, C.J. and E.B. Barbier. 2016. "The economic value of freshwater inputs to an estuarine fishery." *Water Resources and Economics* 13:46-59
- Barbier, E.B., R.E. López and J.P. Hochard. 2016. "Debt, Poverty and Resource Management in a Rural Smallholder Economy." *Environmental and Resource Economics* 63:411-427.
- Barbier, E.B. 2015. "Climate change impacts on rural poverty in low-elevation coastal zones." *Estuarine, Coastal and Shelf Science* 165:A1-A13.
- Barbier, E.B. 2015. "Overcoming Environmental Degradation and Wealth Inequality in the Asia-Pacific Region." *The Asia Pacific Journal* 13(4):No.1. Available at http://japanfocus.org/-Edward_B_-_Barbier/4397/article.html
- Dasgupta, P., A. Duraiappah, S. Managi, E.B. Barbier, R. Collins, B. Fraumeni, H. Gundimeda, G. Liu and K.J. Mumford. 2015. "How to measure sustainable progress." *Science* 350:748.
- Letourneau, D.K., A.W. Ando, J. Jedlicka, A. Narwani and E.B. Barbier. 2015. "Simple-but-Sound Methods for Estimating the Value of Changes in Biodiversity for Biological Pest Control in Agriculture." *Ecological Economics* 120:215-225.
- Barbier, E.B. 2015. "Are There Limits to Green Growth?" *World Economics* 16(3):163-192.
- Barbier, E.B. and A. Tesfaw. 2015. "Explaining Forest Transitions: The Role of Governance." *Ecological Economics* 119:252-261
- Barbier, E.B. 2015. "Hurricane Katrina's lessons for the world." *Nature* 524:285-287
- Mason, C.F., E.B. Barbier and V.I. Umanskaya. 2015. "On the Strategic Use of Border Tax Adjustments

- as a Second-Best Climate Policy Measure.” *Environment and Development Economics* 20(4):539-560.
- Barbier, E.B. 2015. “Policies to Promote Green Economy Innovation in East Asia and North America.” *STI Policy Review* 6(1):54-69.
- Barbier, E.B. 2015. "Valuing the Storm Protection Service of Estuarine and Coastal Ecosystems." *Ecosystem Services* 11:32-38.
- Kennedy, C.J. and E.B. Barbier. 2015. “Renewable resource harvesting under correlated biological and economic uncertainties: implications for optimal and second-best management.” *Environmental and Resource Economics* 60:371-393.
- Barbier, E.B. 2014. “Account for depreciation of natural capital.” *Nature* 515:32-33.
- Gwatipedza, J. and E.B. Barbier. 2014. “Environmental Regulation of a Global Pollution Externality in a Bilateral Trade Framework: The Case of Global Warming, China and the US.” *Economics: The Open-Access, Open-Assessment E-Journal* 8 (2014-30). <http://dx.doi.org/10.5018/economics-ejournal.ja.2014-30>
- Barbier, E.B. and A.M. Chaudhry. 2014. “Urban Growth and Water.” *Water Resources and Economics* 6:1-17.
- Barbier, E.B. 2014. “A global strategy for protecting vulnerable coastal populations.” *Science* 345:1250-1251.
- Barbier, E.B. 2014. “Climate change mitigation policies and poverty.” *WIREs Climate Change* 5:483-491 doi: 10.1002/wcc.281.
- Barbier, E.B. and K.D. Lee. 2014. “Economics of the Marine Seascape.” *International Review of Environmental and Resource Economics*. 7:35-65.
- Barbier, E.B. 2014. “The challenges of environment and development economics.” *Environment and Development Economics* 19:287-290.
- Barbier, E.B. 2014. "Structural change, marginal land and economic development in Latin America and the Caribbean" *Latin American Economic Review* 23(3):1-29, DOI 10.1007/s40503-014-0003-5.
- Barbier, E.B. and B. Enchelmeyer. 2014. “Valuing the Storm Surge Protection Service of US Gulf Coast Wetlands.” *Journal of Environmental Economics and Policy*. 3(2):167-185.
- Barbier, E.B., D. Moreno-Mateos, A.D. Rogers, J. Aronson, L. Pendleton, R. Danovaro, L. Henry, T. Morato, J. Ardron and C.L. Van Dover. 2014. “Protect the deep sea.” *Nature* 505:475-477.
- Van Dover, C.L., J. Aronson, L. Pendleton, S. Smith, S. Arnaud-Haond, D. Moreno-Mateos, E. Barbier, D. Billet, K. Bowers, R. Danovaro, A. Edwards, S. Kellert, T. Morato, E. Pollard, A. Rogers and R. Warner. 2014. "Ecological Restoration in the Deep Sea: Desiderata." *Marine Policy* 44:98-106.
- Koch, A., A. McBratney, M. Adams, D. Field, R. Hill, J. Crawford, B. Minasny, R. Lal, L. Abbott, A. O'Donnell, D. Angers, J. Baldock, E.B. Barbier, D. Binkley, W. Parton, D.H. Wall, M. Bird, J. Bouma, C. Chenu, C. Butler Flora, K. Goulding, S. Grunwald, J. Hempel, J. Jastrow, J. Lehmann, K. Lorenz, C.L. Morgan, C.W. Rice, D. Whitehead, I. Young and M. Zimmermann. 2013. “Soil Security: Solving the Global Soil Crisis.” *Global Policy* 4(4):434-441.

- Kennedy, C.J. and E.B. Barbier. 2013. "Renewable Resource Management with Environmental Prediction: The Importance of Structural Specification." *Canadian Journal of Economics* 46(3):1110-1122.
- Barbier, E.B. 2013. "Valuing Ecosystem Services for Coastal Wetland Protection and Restoration: Progress and Challenges." *Resources* 2:213-230.
- Barbier, E.B. and A. Tesfaw. 2013. "Tenure Constraints and Carbon Forestry in Africa." *American Journal of Agricultural Economics* 95: 964-975.
- Chaudhry, A.M. and E.B. Barbier. 2013. "Water and Growth in an Agricultural Economy." *Agricultural Economics* 44:175-189.
- Barbier, E.B. 2013. "Wealth Accounting, Ecological Capital and Ecosystem Services." *Environment and Development Economics* 18:133-161.
- Barbier, E.B., I.Y. Georgiou, B. Enchelmeyer and D.J. Reed. 2013. "The value of wetlands in protecting southeast Louisiana from hurricane storm surges." *PLOS ONE* 8(3): e58715. doi:10.1371/journal.pone.0058715 <http://www.plosone.org/article/info:doi/10.1371/journal.pone.0058715>
- Barbier, E.B., D. Knowler, J. Gwatipedza, S. Reichard and A. Ransom-Hodges. 2013. "Implementing Policies to Control Invasive Plant Species." *BioScience* 63:132-138.
- Barbier, E.B. 2012. "The Challenge for Rio+20: Funding." *Resources*, No. 180, pp. 25-29.
- Barbier, E.B. 2012. "Economie verte et développement durable: enjeux de politique économique." ("Green economy and sustainable development: policy challenges." *Reflets et perspectives de la vie économique* 2012 4:97-117.
- Barbier, E.B. 2012. "The Green Economy Post Rio+20." *Science* 338:887-888.
- Barbier, E.B. 2012. "Land Degradation and the Rural Poor". *World Agriculture* 3(2):23-28.
- Barbier, E.B. and A. Tesfaw. 2012. "Can REDD+ save the forest? The role of payments and tenure." *Forests* 3:881-895.
- Barbier, E.B. 2012. "Corruption, Poverty and Tropical Land Use." *Journal of Sustainable Forestry* 31 (4-5):319-339.
- Barbier, E.B. 2012. "A Spatial Model of Coastal Ecosystem Services." *Ecological Economics* 78:70-79.
- Barbier, E.B. 2012. "Scarcity, Frontiers and Development." *The Geographical Journal* 178:110-122.
- Barbier, E.B. 2012. "Can Global Payments for Ecosystem Services Work?" *World Economics* 13:157-172.
- Barbier, E. B. 2012. "Tax 'societal ills' to save the planet." *Nature* 483:30.
- Aswani, S, Christie, P., Muthiga, N., Mahon, R., Primavera, J., Cramer, L., Barbier, E.B., Granek, E. Kennedy, C., Wolanski, E. and Hacker, S. 2012. "The Way Forward with Ecosystem-Based Management in Tropical Contexts: Reconciling with Existing Management Systems." *Marine Policy* 36:1-10.
- Barbier, E.B. 2012. "Progress and Challenges in Valuing Coastal and Marine Ecosystem Services." *Review of Environmental Economics & Policy*. 6(1):1-19.

- Barbier, E.B. 2011. "Wetlands as natural assets." *Hydrological Sciences Journal* 56(8):1360-1373.
- Barbier, E.B. 2011. "Coastal Wetland Restoration and the *Deepwater Horizon* Oil Spill." *Vanderbilt Law Review* 64:1821-1849.
- Bhaduri, A. and E.B. Barbier. 2011. "Water allocation between states in inter-basin water transfer in India." *International Journal of River Basin Management* 9(2):117-127.
- Bhaduri, A., Manna, U., Barbier, E.B. Liebe, J. 2011. "Climate Change and Cooperation in Transboundary Water Sharing: An Application of Stochastic Stackelberg Differential Games in Volta River Basin" *Natural Resource Modeling* 24(4):409-444.
- Barbier, E.B. 2011. "Pricing Nature". *Annual Review of Resource Economics* 3:337-353.
- Barbier, E.B., Gwatipedza, J., Knowler, D. and Reichard, S. 2011. "The North American Horticultural Industry and the Risk of Plant Invasion." *Agricultural Economics* 45:743-759.
- Barbier, E.B. 2011. "The Policy Challenges for Green Economy and Sustainable Economic Development" *Natural Resources Forum* 35:233-245.
- Gedan, K.B., Kirwan, M.L., Wolanski, E., Barbier, E.B., and Silliman, B.R. 2011. "The present and future role of coastal wetland vegetation in protecting shorelines: answering recent challenges to the paradigm." *Climatic Change* 106:7-29.
- Barbier, E.B. 2011. "Transaction costs and the transition to environmentally sustainable development." *Environmental Innovation and Societal Transitions* 1:58-69.
- Barbier, E.B., Hacker, S.D., Kennedy, C., Koch, E.W., Stier, A.C, and Silliman, B.R. 2011. "The Value of Estuarine and Coastal Ecosystem Services." *Ecological Monographs* 81(2):169-183.
- Barbier, E.B. 2011. "Tracking the Sputnik Economy," *The Economists' Voice* Vol. 8 : Iss. 1, Article 9. <http://www.bepress.com/ev/vol8/iss1/art9>
- Barbier, E.B. 2010. "Poverty, development, and environment." *Environment and Development Economics* 15:635-660.
- Barbier, E.B. 2010. "A Global Green Recovery, the G20 and International STI Cooperation in Clean Energy" *STI Policy Review* 1(3):1-15.
- Barbier, E.B. 2010. "Corruption and the Political Economy of Resource-Based Development: A Comparison of Asia and Sub-Saharan Africa" *Environmental and Resource Economics* 46(4):511-537.
- Barbier, Edward B. 2010. "Toward a Global Green Recovery: The G20 and the Asia-Pacific Region." *The Asia Pacific Journal*, 28-2-1-, July 12, 2010. http://japanfocus.org/-Edward_B_-Barbier/3383
- Barbier, E.B. 2010. "Green Stimulus, Green Recovery and Global Imbalances." *World Economics* 11(2):149-175.
- Barbier, E.B. 2010. "How is the global green new deal going?" *Nature* 464:832-833.
- Rauscher, M. and E.B. Barbier. 2010. "Biodiversity and Geography." *Resource and Energy Economics* 32(2):241-260.

Granek, E.F., Polasky, S., Kappel, C.V., Reed, D.J., Stoms, D.M., Koch, E.W., Kennedy, C.J., Cramer, L.A., Hacker, S.D., Barbier, E.B., Aswani, S., Ruckelshaus, M., Perillo, G.M., Silliman, B.R., Muthiga, N., Bael, D., and Wolanski, E. 2010. "Ecosystem Services as a Common Language for Coastal Ecosystem-Based Management." *Conservation Biology* 24(1):207-216.

Barbier, E.B. 2010. "Global Governance: the G20 and a Global Green New Deal." *Economics: The Open-Access, Open-Assessment E-Journal*, Vol. 4, 2010-2. <http://www.economics-ejournal.org/economics/journalarticles/2010-2>

Barbier, E.B., Burgess, J.C. and Grainger, A. 2010. "The Forest Transition: Towards a More Comprehensive Theoretical Framework" *Land Use Policy* 27:98-107.

Hanley, N., Tinch, D., Angelopoulos, K., Davies, A., Barbier, E.B. and Watson, F. 2009. "What Drives Long-Run Biodiversity Change? New Insights from Combining Economics, Paleoecology and Environmental History." *Journal of Environmental Economics and Management* 57(1):5-20.

Koch, Evamaria W., Edward B. Barbier, Brian R. Silliman, Denise J. Reed, Gerardo M.E. Perillo, Sally D. Hacker, Elise F. Granek, Jurgenne H. Primavera, Nyawire Muthiga, Stephen Polasky, Benjamin S Halpern, Chris J Kennedy, Carrie V Kappel and Eric Wolanski. 2009. "Non-Linearity in Ecosystem Services: Temporal and Spatial Variability in Coastal Protection." *Frontiers in Ecology and the Environment* 7(1):29-37.

Barbier, E.B. 2008. "Ecosystems as Natural Assets." *Foundations and Trends in Microeconomics* 4(8):611-681

Barbier, E.B. 2008. "Letter: Paying for a Dirty and Leaky Bucket: Further Comments on the Bailout," *The Economists' Voice* Vol. 5 : Iss. 7, Article 5. <http://www.bepress.com/ev/vol5/iss7/art5>

Barbier, E.B., Koch, E.W., Silliman, B.R., Hacker, S.D., Wolanski, E., Primavera, J., Granek, E.F., Polasky, S., Aswani, S., Cramer, L.A., Stoms, D.M., Kennedy, C.J., Bael, D., Kappel, C.V., Perillo, G.M. and Reed, D.J. 2008. "Response to N. Koedam and F. Dahdouh-Guebas's E-Letter: Ecological Quality Changes Precede Changes in Quantity in Mangrove Forests" *Science* (E-Letter, 2 October 2008) <http://www.sciencemag.org/cgi/eletters/319/5861/321?ck=nck>

Barbier, E.B. 2008. "Poverty, Development, and Ecological Services." *International Review of Environmental and Resource Economics* 2(1):1-27.

Bhaduri, A. and Barbier, E.B. 2008. "Political Altruism of Transboundary Water Sharing." *The B.E. Journal of Economic Analysis & Policy* Vol. 8: Iss. 1 (Topics), Article 32. <http://www.bepress.com/bejeap/vol8/iss1/art32>

Umanskaya, V.I. and Barbier, E.B. 2008. "Can Rich Countries Become Pollution Havens?" *Review of International Economics* 16(4):627-640.

Walters, B.B., Rönnbäck, P., Kovacs, J., Crona, B., Hussain, S.A., Badola, R., Primavera, J., Barbier, E.B. and Dahdouh-Guebas, F. 2008. "Ethnobiology, Socio-economics and Management of Mangrove Forests: A Review." *Aquatic Botany* 89(2):220-236.

Barbier, E.B., Koch, E.W., Silliman, B.R., Hacker, S.D., Wolanski, E., Primavera, J., Granek, E.F., Polasky, S., Aswani, S., Cramer, L.A., Stoms, D.M., Kennedy, C.J., Bael, D., Kappel, C.V., Perillo, G.M. and Reed, D.J. 2008. "Vegetation's Role in Coastal Protection." *Science* 320:176-177.

Barbier, E.B. 2008. "In the Wake of Tsunami: Lessons Learned from the Household Decision to Replant Mangroves in Thailand." *Resource and Energy Economics* 30:229-249

- Bhaduri, A. and Barbier, E.B. 2008. "International Water Transfer and Sharing: The Case of the Ganges River." *Environment and Development Economics* 13(1):29-52.
- Barbier, E.B., Koch, E.W., Silliman, B.R., Hacker, S.D., Wolanski, E., Primavera, J., Granek, E.F., Polasky, S., Aswani, S., Cramer, L.A., Stoms, D.M., Kennedy, C.J., Bael, D., Kappel, C.V., Perillo, G.M. and Reed, D.J. 2008. "Coastal Ecosystem-Based Management with Nonlinear Ecological Functions and Values." *Science* 319:321-323.
- Barbier, E.B. 2007. "Natural Capital and Labor Allocation: Mangrove-Dependent Households in Thailand." *Journal of Environment and Development* 16(December): 398-431.
- Barbier, E.B. 2007. "Land Conversion, Interspecific Competition and Bioinvasion in a Tropical Ecosystem." *Journal of Agricultural & Applied Economics* 39(October):133-147.
- Barbier, E.B. and M. Rauscher. 2007. "Trade and Development in a Labor-Surplus Economy" *The B.E. Journal of Economic Analysis & Policy*: Vol. 7: Iss. 1 (Topics), Article 45.
<http://www.bepress.com/bejeap/vol7/iss1/art45>
- Barbier, E.B. and Hultberg, P. 2007. "Economic Integration, Environmental Harmonization and Firm Relocation." *Environment and Development Economics* 12(3):379-402.
- Worm, B., Barbier, E.B., Beaumont, N., Duffy, J.E., Folke, C., Halpern, B.S., Jackson, J.B.C., Lotzke, H.K., Micehli, F., Palumbi, S.R., Sala, E., Selkoe, K.A., Stachowicz, J.J. and Watson, R. 2007. "Biodiversity Loss in the Oceans: How Bad Is It?" *Science* 316:1282-1284.
- Pascual, U. and Barbier, E.B. 2007. "On Price Liberalization, Poverty and Shifting Cultivation: An Example from Mexico." *Land Economics*, 83(2):192-216.
- Bateman, Ian J., Barbier, E.B. and Barrett, S. 2007. "Introduction to the Special Issue in Honour of David W. Pearce: Environmental Economics and Policy." *Environmental and Resource Economics* 37:1-6.
- Barbier, E.B. 2007. "Frontiers and Sustainable Economic Development." *Environmental and Resource Economics* 37:271-295.
- Barbier, E.B. 2007. "Valuing Ecosystem Services as Productive Inputs" *Economic Policy* 22 (49): 177–229.
- Barbier, E.B. 2006. "Book Review: An Economic Approach for Water Management and Conflict Resolution in the Middle East and Beyond." *Journal of Economic Literature* 44: 1074-1075.
- Worm, B., Barbier, E.B., Beaumont, N., Duffy, J.E., Folke, C., Halpern, B.S., Jackson, J.B.C., Lotzke, H.K., Micehli, F., Palumbi, S.R., Sala, E., Selkoe, K.A., Stachowicz, J.J. and Watson, R. 2006. "Impacts of Biodiversity Loss on Ocean Ecosystem Services." *Science* 314:787-790.
- Barbier, E.B. and Knowler, D. 2006. "Commercialization Decisions and the Economics of Introduction." *Euphytica* 148(1/2):151-164.
- Barbier, E.B. 2006. "Natural Barriers to Natural Disasters: Replanting Mangroves after the Tsunami." *Frontiers in Ecology and the Environment* 4(3):124-131.
- Pascual, U. and Barbier, E.B. 2006. "Deprived Land-Use Intensification in Shifting Cultivation: The Population Pressure Hypothesis Revisited" *Agricultural Economics* 34:155-165.

- Barbier, E.B. and Heal, G.R. 2006. "Valuing Ecosystem Services." *The Economists' Voice* Vol. 3: No. 3, Article 2. Available at <http://www.bepress.com/ev/vol3/iss3/art2>
- Knowler, D. and Barbier, E. 2005. "Managing the Black Sea Anchovy Fishery with Nutrient Enrichment and a Biological Invader". *Marine Resource Economics* 20(3): 263-285.
- Barbier, E.B. 2005. "Natural Resource-Based Economic Development in History". *World Economics* 6(3):103-152..
- Barbier, E.B., Damania, R. and Léonard, D. 2005. "Corruption, Trade and Resource Conversion" *Journal of Environmental Economics and Management* 50:276-299.
- Bulte, E.H. and Barbier, E.B. 2005. "Trade and Renewable Resources in a Second-Best World: An Overview." *Environmental and Resource Economics* 30(4):423-463.
- Knowler, D. and Barbier, E.B. 2005. "Importing Exotic Plants and the Risk of Invasion: Are Market-Based Instruments Adequate?" *Ecological Economics* 52:341-354.
- Barbier, E.B. 2005. "Frontier Expansion and Economic Development." *Contemporary Economic Policy* 23(2):286-303.
- Barbier, E.B. 2004. "Explaining Agricultural Land Expansion and Deforestation in Developing Countries." *American Journal of Agricultural Economics* 86(5):1347-1353.
- Hultberg, P. and E.B. Barbier. 2004. "Cross-Country Policy Harmonization with Rent-Seeking." *Contributions to Economic Analysis & Policy* Vol. 3: Iss. 2. Article 4. <http://www.bepress.com/bejeap/contributions/vol3/iss2/art4>.
- Barbier, E.B. and Shogren, J.R. 2004. "Growth with Endogenous Risk of Biological Invasion." *Economic Inquiry* 42(4):587-601.
- Barbier, E.B. and Bulte, E.H. 2004. "Introduction to the Symposium on Trade, Renewable Resources and Biodiversity." *Journal of Environmental Economics and Management* 48(2):883-890.
- Barbier, E.B. and Cox, M. 2004. "An Economic Analysis of Shrimp Farm Expansion and Mangrove Conversion in Thailand," *Land Economics* 80(3):389-407.
- Benhin, J.K.A. and Barbier, E.B. 2004. "Structural Adjustment Programme, Deforestation and Biodiversity Loss in Ghana." *Environmental and Resource Economics* 27:337-366.
- Barbier, E.B. 2004. "Water and Economic Growth." *Economic Record* 80: 1-16.
- Barbier, E.B. 2004. "Agricultural Expansion, Resource Booms and Growth in Latin America: Implications for Long-Run Economic Development," *World Development* 32(1):137-157.
- Barbier, E.B. 2003. "Upstream Dams and Downstream Water Allocation - The Case of the Hadejia-Jama'are Floodplain, Northern Nigeria," *Water Resources Research* 39(11):1311-1319.
- Barbier, E.B., 2003. "Explaining Agricultural Expansion Resource Booms and Growth in Latin America," *Environment Development and Sustainability* 5: 437-458.
- Barbier, E.B. and Cox, M. 2003. "Does Economic Development Lead to Mangrove Loss? A Cross-Country Analysis," *Contemporary Economic Policy* 21(4):418-432.

- Barbier, E.B., 2003, "The Role of Natural Resources in Economic Development." *Australian Economic Papers* 42(2):253-272.
- Rodwell, L.D., Barbier, E.B., Roberts, C.M. and McClanahan, T.R., 2003, "The Importance of Habitat Quality for Marine Reserve-Fishery Linkages." *Canadian Journal of Fisheries and Aquatic Sciences* 60:171-181.
- Barbier, E.B. 2003. "Habitat-Fishery Linkages and Mangrove Loss in Thailand," *Contemporary Economic Policy*, 21(1):59-77.
- Rodwell, L.D., Barbier, E.B., Roberts, C.M. and McClanahan, T.R. 2002. "A Model of Tropical Marine Reserve-Fishery Linkages," *Natural Resource Modeling*, 15(4):453-486.
- Acharya, G. and Barbier, E.B. 2002. "Using Domestic Water Analysis to Value Groundwater Recharge in the Hadejia-Jama'are Floodplain, Northern Nigeria," *American Journal of Agricultural Economics*, 84(2):415-426.
- Barbier, E.B., Strand, I. and Sathirathai, S. 2002. "Do Open Access Conditions Affect the Valuation of an Externality? Estimating the Welfare Effects of Mangrove-Fishery Linkages," *Environmental and Resource Economics* 21(4):343-367.
- Barbier, E.B. and Cox, M. 2002. "Economic and Demographic Factors Affecting Mangrove Loss in the Coastal Provinces of Thailand, 1979-1996," Special Issue of *Ambio*, 3(4):351-357.
- Barbier, E.B. 2002. "Institutional Constraints and Deforestation: An Application to Mexico," *Economic Inquiry*, 40(3):508-519.
- Barrett, C.B., Barbier, E.B. and Reardon, T. 2002. "Agroindustrialization, Globalization, and International Development: the Environmental Implications," *Environment and Development Economics*, 6:419-433.
- Perrings, C., M. Williamson, E.B. Barbier, D. Delfino, S. Dalmazzone, J. Shogren, P. Simmons, and A. Watkinson. 2002. "Biological Invasion risks and the Public Good: an Economic Perspective," *Conservation Ecology*, 6(1):1.
- Knowler, D., Barbier, E.B. and Strand, I. 2001. "An Open-Access Model of Fisheries and Nutrient Enrichment in the Black Sea," *Marine Resource Economics*, 16(3):195-217.
- Barbier, E.B. 2001. "A Note on the Economics of Biological Invasions," *Ecological Economics*, 39(197-202).
- Barbier, E.B. and Burgess, J.C. 2001. "The Economics of Tropical Deforestation," *Journal of Economic Surveys*, 15(3):413-432.
- Barbier, E.B. and Burgess, J.C. 2001. "Tropical Deforestation, Tenure Insecurity and Unsustainability," *Forest Science*, 47(4):497-509.
- Benhin, J. and Barbier, E.B. 2001. "The Effects of the Structural Adjustment Program on Deforestation in Ghana," *Agricultural and Resource Economics Review* 30/1:66-80.
- Barbier, E.B. 2001. "The Economics of Tropical Deforestation and Land Use: An Introduction to the Special Issue," *Land Economics*, 77:155-171.

- Sathirathai, S. and Barbier, E.B. 2001. "Valuing Mangrove Conservation in Southern Thailand," *Contemporary Economic Policy*, 19(2):109-122.
- Barbier, E.B. 2000. "The Economic Linkages between Rural Poverty and Land Degradation: Some Evidence from Africa," *Agriculture, Ecosystems and Environment*, 82:355-370.
- Barbier, E.B. 2000. "Valuing the Environment as Input: Applications to Mangrove-Fishery Linkages," *Ecological Economics*, 35:47-61.
- Barbier, E.B. 2000. "Links between Economic Liberalization and Rural Resource Degradation in the Developing Regions," *Agricultural Economics*, 23:299-310.
- Barbier, E.B. 2000. "Biodiversity, Trade and International Agreements," *Journal of Economic Studies*, 27(1/2):55-74.
- Acharya, G. and Barbier, E.B. 2000. "Valuing Groundwater Recharge Through Agricultural Production in the Hadejia-Nguru Wetlands in Northern Nigeria," *Agricultural Economics*, 22:247-259.
- Cox, M., Barbier, E.B., White, P.C.L., Newton-Cross, G.A., Kinsella, L. and Kennedy, H.J. 1999. "Public Preferences Regarding Rabies-Prevention Policies in the UK," *Preventive Veterinary Medicine*, 41:257-270.
- Barbier, E.B. 1999. "Endogenous Growth and Natural Resource Scarcity," *Environmental and Resource Economics*, 14(1):51-74.
- Barbier, E.B. and Homer-Dixon, T. 1999. "Resource Scarcity, Institutional Adaptation, and Technical Innovation," *Ambio*, 28(2):144-147.
- Barbier, E.B. 1999. "The Effects of the Uruguay Round Tariff Reductions on the Forest Products Trade: A Partial Equilibrium Analysis," *World Economy*, 22(1):87-115.
- Barbier, E.B. 1998. "Deforestation, Land Degradation and Rural Poverty in Latin America: Examining the Evidence," *Planejamento e Políticas Públicas (Public Planning and Policy)*, Instituto de Pesquisa Econômica Aplicada (IPEA), Brazil, *Special Issue on Economic Issues for Environmental Policymaking in Developing Countries*, 18:155-170.
- Barbier, E.B. and Thompson, J.R. 1998. "The Value of Water: Floodplain versus Large-Scale Irrigation Benefits in Northern Nigeria," *Ambio*, 27(6):434-440.
- Barbier, E.B. and Strand, I. 1998. "Valuing Mangrove-Fishery Linkages: A Case Study of Campeche, Mexico," *Environmental and Resource Economics*, 12:151-166.
- Parks, P., Barbier, E.B., and Burgess, J.C. 1998. "Forest Land Use Options in Temperate and Tropical Forests," Special Issue: Frontiers of Environmental and Resource Economics, *Environmental and Resource Economics*, 11(3-4): 473-487.
- Barbier, E.B. 1997. "Introduction to the Special Issue on Environmental Kuznets Curves," *Environment and Development Economics*, 2(4):369-381.
- Barbier, E.B. and Burgess, J.C. 1997. "Economic Analysis of Tropical Forest Land Use Options," *Land Economics*, 73(2):174-195.
- Barbier, E.B. and Schulz, C.-E. 1997. "Wildlife, Biodiversity and Trade," *Environment and Development Economics*, 2(2):33-60.

- Barbier, E.B. 1997. "The Economic Determinants of Land Degradation in Developing Countries," *Philosophical Transactions of the Royal Society*, Series B 352:891-899.
- Barbier, E.B. and Burgess, J.C. 1996. "Economic Analysis of Deforestation in Mexico," *Environment and Development Economics*, 1(2):203-240.
- Stern, D., Common, M. and Barbier, E.B. 1996. "Economic Growth and Environmental Degradation: The Environmental Kuznets Curve and Sustainable Development," *World Development*, 24(7):1151-1160.
- Barbier, E.B. and Aylward, B.A. 1996. "Capturing the Pharmaceutical Value of Biodiversity in a Developing Country," *Environmental and Resource Economics*, 8(2):157-191.
- Barbier, E.B., Bockstael, N., Burgess, J.C. and Strand, I. 1995. "The Linkages between the Timber Trade and Tropical Deforestation – Indonesia," *World Economy*, 18(3):411-442.
- Barbier, E.B. and Bishop, J.T. 1995. "Economic Values and Incentives Affecting Soil and Water Conservation in Developing Countries," *Journal of Soil and Water Conservation*, (March-April):133-135.
- Barbier, E.B. 1995. "The Role of Trade Interventions in the Sustainable Management of Key Resources: The Cases of African Elephant Ivory and Tropical Timber," *Journal of Environment and Development*, 4(2):1-32.
- Barbier, E.B. 1995. "The Economics of Forestry and Conservation: Values and Policies," *Commonwealth Forestry Review*, Special Issue on Forestry and Conservation, 74(1):26-34.
- Barbier, E.B. 1995. "Trade Barriers in Forest Products and the Implications of the Uruguay Round for GATT," *Unasylva*, 46(183):3-10.
- Barbier, E.B., and Rauscher, M. 1994. "Trade, Tropical Deforestation and Policy Interventions," *Environmental and Resource Economics*, 4:75-90.
- Barbier, E.B. 1994. "Valuing Environmental Functions: Tropical Wetlands," *Land Economics*, 70(2):155-174.
- Barbier, E.B. 1993. "Valuing Tropical Wetland Benefits: Economic Methodologies and Applications," *Geographical Journal*, Part 1, 159:22-32, March.
- Barbier, E.B. 1993. "Economic Aspects of Tropical Deforestation in Southeast Asia," *Global Ecology and Biogeography Letters*, 3:1-20.
- Barbier, E.B. 1992. "Rehabilitating Gum Arabic Systems in Sudan: Economic and Environmental Implications," *Environmental and Resource Economics*, 2:341-352.
- Barbier, E.B. and Aylward, B.A. 1992. "Valuing Environmental Functions in Developing Countries," *Biodiversity and Conservation*, 1:34-50.
- Barbier, E.B. and Pearce, D.W. 1991. "Global Warming: A View from Europe," *The Energy Journal*, 12(1):147-160.
- Barbier, E.B., Burgess, J.C. and Markandya, A. 1991. "The Economics of Tropical Deforestation," *Ambio*, 20(2):52-54.

- Barbier, E.B. 1993. "Managing Trade and Environment: The Demand for Raw Ivory in Japan and Hong Kong", *World Economy*, 16(6) 407-430.
- Barbier, E.B. and Pearce, D.W. 1990. "Thinking Economically About Climate Change," *Energy Policy*, 11-18.
- Barbier, E.B. and Markandya, A., 1990, "The Conditions for Achieving Environmentally Sustainable Development," *European Economic Review*, 34:659-669.
- Barbier, E.B., Markandya, A. and Pearce, D.W., 1990, "Sustainable Agricultural Development and Project Appraisal," *European Review of Agricultural Economics*, 17:181-96.
- Barbier, E.B., 1990, "The Farm-Level Economics of Soil Conservation: The Uplands of Java," *Land Economics*, 66(2):199-211.
- Barbier, E.B., 1990, "Alternative Approaches to Economic-Environmental Interaction," *Ecological Economics*, 2:7-26.
- Barbier, E.B., Pearce, D.W. and Markandya, A., 1990, "Environmental Sustainability and Cost Benefit Analysis," *Environment and Planning A*, 22:1259-66.
- Barbier, E.B., 1989, "The Global Greenhouse Effect: Economic Impacts and Policy Options," *Natural Resources Forum*, 13:65-77.
- Barbier, E.B., 1989, "Cash Crops, Food Crops and Agricultural Sustainability: The Case of Indonesia," *World Development*, 17(6):1378-87.
- Barbier, E.B., 1989, "The Contributions of Environmental and Resource Economics to an Economics of Sustainable Development," *Development and Change*, 20(3):429-59.
- Barbier, E.B., 1989, "Sustainable Agriculture on Marginal Land: A Policy Framework," *Environment*, 31(9):12-40.
- Barbier, E.B., 1988, "Economic Valuation of Environmental Impacts," *Project Appraisal*, 3:143-50.
- Conway, G.R. and Barbier, E.B., 1988, "After the Green Revolution: Sustainable and Equitable Agricultural Development," *Futures*, 20:651-71.
- Barbier, E.B., 1987, "The Concept of Sustainable Economic Development," *Environmental Conservation* 14(2):101-10.
- Barbier, E.B. and Mahoney, N., 1985, "Do Workers' Co-operatives Innovate in the Third World?," *Science and Public Policy*, 12:67-71.

Books:

- Barbier, E.B. 2015. *Nature and Wealth: Overcoming Environmental Scarcity and Inequality*. Palgrave Macmillan, London, 262 pp.
- Barbier, E.B. and A. Markandya. 2012. *A New Blueprint for a Green Economy*. Routledge/Taylor & Francis, London, 200 pp.

- Barbier, E.B. 2011. *Capitalizing on Nature: Ecosystems as Natural Assets*. Cambridge University Press, Cambridge and New York, 321 pp.
- Barbier, E.B. 2011. *Scarcity and Frontiers: How Economies Have Developed Through Natural Resource Exploitation*. Cambridge University Press, Cambridge and New York, 748 pp.
- Barbier, E.B. 2010. *A Global Green New Deal: Rethinking the Economic Recovery*. Cambridge University Press, Cambridge and New York, 308 pp.
- Hanley, N. and Barbier, E.B. 2009. *Pricing Nature: Cost-Benefit Analysis and Environmental Policy-Making*. Edward Elgar, London, 360 pp.
- Barbier, E.B. 2005. *Natural Resources and Economic Development*, Cambridge University Press, Cambridge and New York, 410 pp.
- National Research Council (Authors: Heal, G.M., Barbier, E.B., Boyle, K.J., Covich, A.P., Gloss, S.P., Hershner, C.H., Hoehn, J.P., Pringle, C.M., Polasky, S., Segerson, K. and Shrader-Frechette, K). 2005. *Valuing Ecosystem Services: Toward Better Environmental Decision-Making*, The National Academies Press, Washington, D.C, 277 pp.
- Barbier, E.B. and S. Sathirathai (ed.). 2004. *Shrimp Farming and Mangrove Loss in Thailand*. Edward Elgar Publishing, London, 278 pp.
- Pearce, D.W. and Barbier, E.B. 2000. *Blueprint for a Sustainable Economy*. Earthscan, London, 272 pp.
- Barbier, E.B. 1999, *The Economics of Land Degradation and Rural Poverty Linkages in Africa*. UNU/INRA Annual Lectures on Natural Resource Conservation and Management in Africa, November 1998. United Nations University Press, Tokyo, 132 pp.
- Barbier, E.B., 1998, *The Economics of Environment and Development: Selected Essays*. Edward Elgar, London, 540 pp.
- Barbier, E.B., Acreman, M. and Knowler, D., 1997, *Economic Valuation of Wetlands: A Guide for Policymakers*. Ramsar Convention Bureau, Geneva, 127 pp.
- Barbier, E.B., Burgess, J.C. and Folke, C. 1994. *Paradise Lost? The Ecological Economics of Biodiversity*. Earthscan Publications, London, 267 pp.
- Barbier, E.B., Burgess, J.C., Bishop, J.T. and Aylward, B.A. 1994. *The Economics of the Tropical Timber Trade*. Earthscan Publications, London, 179 pp.
- Barbier, E.B. (ed.). 1993. *Economics and Ecology: New Frontiers and Sustainable Development*. Chapman and Hall, London, 205 pp.
- Swanson, T.M. and Barbier, E.B. (eds.). 1992. *Economics for the Wilds: Wildlife, Wildlands, Diversity and Development*. Earthscan Publications, London, 226 pp.
- Barbier, E.B., Burgess, J.C., Swanson, T.M. and Pearce, D.W. 1990. *Elephants, Economics and Ivory*. Earthscan Publications, London, 154 pp.
- Conway, G.R. and Barbier, E.B. 1990. *After the Green Revolution: Sustainable Agriculture for Development*. Earthscan Publications, London, 205 pp.

Pearce, D.W., Barbier, E.B. and Markandya, A. 1990. *Sustainable Development: Environmental Economics in the Third World*. Edward Elgar, London, 217 pp.

Pearce, D.W., Markandya, A. and Barbier, E.B. 1989. *Blueprint for a Green Economy*. Earthscan Publications, London, 192 pp.

Barbier, E.B. 1989. *Economics, Natural Resource Scarcity and Development: Conventional and Alternative Views*. Earthscan Publications, London, 223 pp.

Refereed Chapters in Books:

Barbier, E.B. "The Value of Coastal Wetland Ecosystem Services. Chapter 34 in D. Cahoon and Ge. Perillo, eds. *Coastal Wetlands, 2nd ed*. Elsevier, Amsterdam, Accepted.

Barbier, E.B. 2016 "The Economics of Wetland Restoration and Creation." Chapter in C.M. Finlayson, M. Everard, K. Irvine, R. McInnes, B. Middleton, A. van Dam and N.C. Davidson, eds. *The Wetland Book*, Vol. 3. Springer, Germany, in press. DOI 10.1007/978-94-007-6172-8_326-1

Mason, C.F., V.I. Umanskaya and E.B. Barbier. 2017. "On the Strategic Use of Import Tariffs to Control Trans-Boundary Externalities." Chapter 4 in A. Dinar, ed. *The WSPC Reference on Natural Resources and Environmental Policy in the Era of Global Change. Vol. 1 Game Theory* (A. Espinola-Arredondo and F. Munoz-Garcia, eds.). World Scientific, New Jersey, pp. 93-114.

Barbier, E.B. and J.P. Hochard. 2016. "Development, Ecology and the Environment." Chapter 34 in E.S. Reinert, J. Ghosh and R. Kattel (eds.). *Elgar Handbook of Alternative Theories of Economic Development*. Edward Elgar, Cheltenham, UK, pp. 651-665.

Barbier, E.B. and J.C. Burgess. 2015. "Sustainable Development: An Economic Perspective." *International Encyclopedia of the Social & Behavioral Sciences*, (Editor-in-Chief James D.Wright) Elsevier, Amsterdam, pp. 823–827.

Barbier, E.B. 2015. "Valuing Estuarine and Coastal Ecosystems for Storm Protection." Chapter 17 in M. Ruth, ed. *Handbook of Research Methods and Applications in Environmental Studies*. Edward Elgar, Cheltenham, UK, pp. 396-406.

Barbier, E.B. 2015. "Scarcity, frontiers and the resource curse: a historical perspective." Chapter 3 in M. Badia-Miró, V. Pinilla and H. Willebald (eds.). *Natural Resources and Economic Growth: Learning from History*. Routledge, Oxford and New York, pp. 54-76.

Barbier, E.B. 2015. "Water and Growth in Developing Countries." Chapter 25 in A. Dinar and K. Schwabe (eds.), *Handbook of Water Economics*, Edward Edgar Cheltenham, U.K., pp. 500-512.

Barbier, E.B. 2015. "Ecosystem Services." Chapter 12 in R. Halvorsen and D. Layton (eds.). *Handbook on the Economics of Natural Resources*, Edward Elgar, Cheltenham, UK, pp. 330-357.

Barbier, E.B. and A. Bhaduri. 2015. "Transboundary Water Resources." Chapter 18 in R. Halvorsen and D. Layton (eds.). *Handbook on the Economics of Natural Resources*, Edward Elgar, Cheltenham, UK, pp. 502-528.

Bulte, E.H. and E.B. Barbier. 2014 "Trade and Renewable Resources in a Second Best World: An Overview." Reprinted article appearing as Chapter 17 in B. Copeland (ed.). *Recent Developments in Trade and the Environment*. Edward Elgar, Cheltenham.

- Barbier, E.B. 2014. "Challenges to Ecosystem Service Valuation and Wealth Accounting". Chapter 7 in United Nations University (UNU)-International Human Dimensions Programme (IHDP) on Global Environmental Change and United Nations Environment Programme (UNEP). 2014. *Inclusive Wealth Report 2014. Measuring progress toward sustainability*. Cambridge University Press, Cambridge, pp. 159-177.
- Barbier, E.B. 2014. "Ecosystems as Assets." Chapter 5 in G. Atkinson, S. Dietz, E. Neumayer and M. Agarwala (eds.). *Handbook of Sustainable Development*, 2nd ed. Edward Elgar, Cheltenham, UK, pp. 72-90.
- Barbier, E.B. 2014. "Land use and sustainable economic development: Developing World." Chapter 6 in J.M. Duke and J. Wu (eds.). *The Oxford Handbook of Land Economics*. Oxford University Press, Oxford and New York, pp. 139-159.
- Barbier, E.B. 2014. "The Protective Value of Estuarine and Coastal Ecosystem Services." Chapter 2 in P. Nunes, P. Kumar and T. Dedeurwaerdere (eds.). *Handbook on the Economics of Ecosystem Services and Biodiversity*. Edward Elgar, Cheltenham, UK, pp. 27-39.
- Barbier, E.B. 2014. "Natural Capital." Chapter 8 in D. Helm and C. Hepburn (eds.). *Nature in the Balance: The Economics of Biodiversity*. Oxford University Press, Oxford and New York, pp. 153-176.
- Barbier, E.B., H.M. Leslie and F. Micheli. 2014. "Services of Marine Ecosystems: A Quantitative Perspective." Chapter 18 in M.D. Bertness, J.F. Bruno, B.R. Silliman and J.J. Stachowicz (eds.). *Marine Community Ecology and Conservation*. Sinauer Associates, Inc. Sunderland, MA, pp. 403-425.
- Barbier, E.B. 2013. "Environmental Sustainability and Poverty Eradication in Developing Countries." Chapter 9 in E. Paus (ed.). *Getting Development Right: Structural Transformation, Inclusion, and Sustainability in the Post-Crisis Era*, Palgrave MacMillan, London and New York, pp. 173-194.
- Barbier, E.B. 2013. "Is a Global Crisis Required to Prevent Climate Change? A Historical-Institutional Perspective." Chapter 28 in R. Fouquet, ed. *Handbook on Energy and Climate Change*, Edward Elgar, Cheltenham, UK, pp. 598-613.
- Barbier, E.B. 2013. "Wetlands and Coastal Estuaries." Chapter 131 in J.F. Shogren (ed.). *Encyclopaedia of Energy, Natural Resource, and Environmental Economics*, Volume 3, Elsevier, Amsterdam, pp. 127-132.
- Barbier, E.B. 2013. "Economics of the Regulating Services" Chapter 183 in S. Levin (ed.) *Encyclopaedia of Biodiversity*, 2nd ed., Volume 3, Academic Press, Waltham, MA, pp. 45-54.
- Barbier, E.B., Knowler, D., Gwatipedza, J. and Reichard, S. 2013. "An Economic Analysis of the Invasive Plant Problem Associated with the Horticulture Industry in North America". Chapter 15 in J. Shibu, H.P. Singh and D.R. Batish (eds.). *Invasive Plant Ecology* CRC Press, Boca Rotan, FL, pp. 259-276.
- Barbier, E.B., Hacker, S.D., Koch, E.W., Stier, A. and Silliman, B. 2012. "Estuarine and Coastal Ecosystems and their Services." Chapter 6 in M. van den Belt and R. Costanza (eds.), *Volume 12: Ecological Economics of Estuaries and Coasts in the Treatise on Estuarine and Coastal Science*, 1st ed. (Series eds., E. Wolanski, and D. McLusky), Academic Press, Waltham, MA, pp. 109-124.
- Barbier, E.B. 2012. "Ecosystem Services and Wealth Accounting". Chapter 8 in United Nations University (UNU)-International Human Dimensions Programme (IHDP) on Global Environmental Change and United Nations Environment Programme (UNEP). 2012. *Inclusive Wealth Report 2012. Measuring progress toward sustainability*. Cambridge University Press, Cambridge, pp. 165-194.

- Barbier, E.B. 2010. "A Synthesis of Human Dimensions of Soil and Water Conservation: A Global Perspective" Chapter 21 in T.L. Napier (ed.). *Human Dimensions of Soil and Water Conservation: A Global Perspective*. Nova Science Publishers.
- Barbier, E.B. 2010. "Sustainable Resource-Based Development in Asia and the Pacific: Overcoming the Problem of 'Dualism within Dualism'". Chapter 3 in R.K. Chung and E. Quah (eds.), *Pursuing Green Growth in Asia and the Pacific*, Cengage Learning Asia, Singapore, pp. 67-86.
- Barbier, E.B. 2009. "2002 – The role of natural resources in economic development." Ch. 49 in K. Anderson (ed.). *Australia's Economy in Its International Context. The Joseph Fisher Lectures. Volume II:1956-2009*. University of Adelaide Press, Adelaide, Australia, pp. 487-516.
- Barbier, E.B., Baumgärtner, S., Chopra, K., Costello, C., Duraiappah, A., Hassan, R., Kinzig, A., Lehman, M., Pascual, U., Polasky, S. and Perrings, C. 2009. "The Valuation of Ecosystem Services." Chapter 3.18 in S. Naeem, D.E. Bunker, A. Hector, M. Loreau and C. Perrings, eds. *Biodiversity, Ecosystem Functioning, & Human Wellbeing*, Oxford University Press, Oxford, pp. 248-262.
- Barbier, E.B. 2009. "Trade and Natural Resources". Chapter 5 in K.P. Gallagher (ed.), *Handbook on Trade and Environment*, Edward Elgar, Cheltenham, UK, 368 pp.
- Barbier, E.B. 2009. "Ecosystem Service Trade-offs." Chapter 8 in K. McLeod and H. Leslie, eds. *Ecosystem-Based Management for the Oceans*. Island Press, Washington, DC, pp. 129-144.
- Bhaduri, A. and Barbier, E.B. 2008. "Linking Rivers in the Ganges-Brahmaputra River Basin: Exploring the Transboundary Effects." In Sharma, B.R., eds. 2008.. *Hydrological, Social and Ecological Issues of the National River Linking Project (NRLP) of India, series 2*. International Water Management Institute, Colombo, Sri Lanka, pp. 373-395.
- Barbier, E.B. 2007. "Economics of Land Conversion, Open Access and Biodiversity Loss." Chapter 2 in A. Kantolean, U. Pascual and T. Swanson (eds.), *Biodiversity Economics: Principles, Methods and Applications*, Cambridge University Press, Cambridge, pp. 59-91.
- Bulte, E.H. and Barbier, E.B. 2007. "Trade and Renewable Resources in a Second-Best World: An Overview." Chapter 7 in A. Kantolean, U. Pascual and T. Swanson (eds.), *Biodiversity Economics: Principles, Methods and Applications*, Cambridge University Press, Cambridge, pp. 203-245.
- Barbier, E.B. 2006. "Mangrove Dependency and the Livelihoods of Coastal Communities in Thailand." Chapter 10 in C.T. Hoanh, T. P. Tuong, J.W. Gowing and B.Hardy (eds.), *Environment and Livelihoods in Tropical Coastal Zones: Managing Agriculture – Fishery – Aquaculture Conflicts*, CAB International, Wallingford, Oxford, pp. 126-139.
- Barbier, E.B. 2006. "Natural Capital, Resource Dependency and Poverty in Developing Countries: The Problem of 'Dualism within Dualism'". In R. López and M. Toman (eds.), *Economic Development and Environmental Sustainability*, Oxford University Press, pp. 23-59.
- Barbier, E.B., 2003. "Environmental Project Evaluation in Developing Countries." In D. Ervin, J. Kahn and M. L. Livingston (eds.), *Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment*. Edward Elgar, Cheltenham, UK, pp. 55-82.
- Burgess, J.C. and E.B. Barbier. 2001. "Sustainable Development." In N.J. Smelser and P.B. Baltes, eds. *International Encyclopedia of the Social & Behavioral Sciences*, Elsevier, Amsterdam, pp. 15329–15335.

- Barbier, E.B., 2001, "Deforestation, Land Degradation, and Rural Poverty in Latin America: Examining the Evidence," in R. Seroa da Motta, (ed.), *Environmental Economics and Policy Making in Developing Countries: Current Issues*, Edward Elgar, Cheltenham, UK, pp. 118-139.
- Barbier, E.B., 2001, "Environmental Valuation in Developing Countries," in H. Folmer and T. Tietenberg, eds. *The International Yearbook of Environmental and Resource Economics 2001/2002*, Edward Elgar, Cheltenham, UK, pp.1-39.
- Barbier, E.B., 2001, "Trade and Sustainable Forestry," in G.G. Schulze and H.W. Ursprung (eds.), *International Environmental Economics: A Survey of the Issues*, Oxford University Press, pp.114-147.
- Barbier, E.B., 2000, Comments on the Paper by R. Jha and J. Whalley "The Environmental Regime in Developing Countries," in C. Carraro and G. Metcalf (eds.), *Behavioral and Distributional Effects of Environmental Policy*, Chicago Press, Chicago, pp.242-249.
- Knowler, D.J. and Barbier, E.B., 2000, "The Economics of an Invading Species: A Theoretical Model and Case Study Application," in C.Perrings, M.Williamson and S. Dalmazzone (eds.), *The Economics of Biological Invasions*, Edward Elgar, London, pp. 70-93.
- Barbier, E.B., 2000, "How to Allocate Biodiversity Internationally," in H. Siebert (ed.), *The Economics of International Environmental Problem*, Kiel Institute for World Economics, Mohr Siebeck, Tübingen, Germany, pp. 79-106.
- Benhin, J.K. and Barbier, E.B., 2000, "Estimating the Biodiversity Effects of Structural Adjustment in Ghana," in C. Perrings (ed.), *The Economics of Biodiversity Conservation in Sub-Saharan Africa*, Edward Elgar, London, pp. 273-300.
- Barbier, E.B., 2000, "Rural Poverty and Natural Resource Degradation," in R. López and A. Valdés (eds.), *Rural Poverty in Latin America*, St. Martin's Press, New York, pp. 152-184.
- Barbier, E.B., 1999, "Poverty, Environment and Development," in J.C.J.M. van den Bergh (ed.), *The Handbook of Environmental and Resource Economics*, Edward Elgar, London, pp 731-744.
- Barbier, E.B. and Homer-Dixon, T., 1998, "Environmental Change, Social Conflict and Limits to Adaptation in Developing Countries", in Lonergan, S.C. (eds.), *Environmental Change, Adaptation, and Security*. Kluwer, The Netherlands. pp. 335-347.
- Barbier, E.B., 1998, "Timber Trade and Environment," in M. Palo and J. Uusivuori (eds.), *World Forests, Society and Environment*, United Nations University, Helsinki, pp 106-117.
- Barbier, E.B., 1998, "The Economics of Soil Erosion: Theory, Methodology and Examples," in E.B. Barbier, (ed.), *The Economics of Environment and Development: Selected Essays*, Edward Elgar, London, pp. 281-307.
- Barbier, E.B., 1998, "The Role of Smallholder Producer Prices in Land Degradation: The Case of Malawi." In E.B. Barbier (ed.), *The Economics of Environment and Development: Selected Essays*, Edward Elgar, London, pp. 254-280.
- Ansuategi, A., Barbier, E.B. and Perrings, C., 1998, "The Environmental Kuznets Curve," in J.C.J.M. van den Bergh and M.W. Hofkes (eds.). *Theory and Implementation of Economic Models for Sustainable Development*, Kluwer Academic Publishers, pp. 139-164.

- Barbier, E.B., 1998, "The Economics of the Tropical Timber Trade and Sustainable Forest Management," in F.B. Goldsmith (ed.), *Tropical Rain Forest: A Wider Perspective*, Chapman and Hall, London, pp. 199-254.
- Barbier, E.B., 1997, "Macroeconomic and Sectoral Policies, Natural Resources and Sustainable Agricultural Growth," in S. Vosti, and T. Reardon (eds.), *Sustainability, Growth, and Poverty Alleviation: A Policy and Agroecological Perspective*, Johns Hopkins University Press for the International Food Policy Research Institute, pp. 119-134.
- Barbier, E.B. and Rauscher, M., 1995, "Policies to Control Tropical Deforestation: Trade Interventions vs Transfers," in C. Perrings, K-G. Mäler, C. Folke, C.S. Holling and B-O. Jansson (eds.), *Biodiversity Loss: Ecological and Economic Issues*, Cambridge University Press, pp. 260-282.
- Barbier, E.B., 1995, "Tropical Wetland Values and Environmental Functions," in C. Perrings, K-G. Mäler, C. Folke, C.S. Holling and B-O. Jansson (eds.), *Biodiversity Conservation: Policy Issues and Options*, Kluwer Academic Press, Amsterdam, pp. 147-170.
- Barbier, E.B., Brown, G., Dalmazzone, S., Folke, C., Gadgil, M., Hanley, N., Holling, C.S., Lesser, W.H., Mäler, K.-G., Mason, P., Panayotou, T., Perrings, C., Turner, R.K., and Wells, M., 1995, "The Economic Value of Biodiversity," Chapter 12 in UNEP, *Global Biodiversity Assessment*, Cambridge University Press, pp. 823-914.
- Barbier, E.B., 1994, "Natural Capital and the Economics of Environment and Development," in AM. Jansson, M. Hammer, C. Folke and R. Costanza (eds.), *Investing in Natural Capital: The Ecological Economics Approach to Sustainability*, Island Press, Washington DC, pp. 291-322.
- Barbier, E.B., Bockstael, N., Burgess, J.C. and Strand, I., 1994, "The Timber Trade and Tropical Deforestation in Indonesia," in K. Brown and D.W. Pearce (eds.), *The Causes of Tropical Deforestation: The Economic and Statistical Analysis of Factors Giving Rise to the Loss of the Tropical Forests*, University College London Press, London, pp. 242-270.
- Barbier, E.B., Burgess, J.C., Bishop, J.T. and Aylward, B.A., 1994, "The Role of the International Trade in Tropical Timber," in K. Brown and D.W. Pearce (eds.), *The Causes of Tropical Deforestation: The Economic and Statistical Analysis of Factors Giving Rise to the Loss of the Tropical Forests*, University College London Press, London, pp. 271-297.
- Barbier, E.B., 1994, "The Environmental Effects of Trade in the Forestry Sector," in Organization for Economic Cooperation and Development (OECD), *The Environmental Effects of Trade*, OECD, Paris, pp. 55-102.
- Barbier, E.B., Adams, W.M. and Kimmage, K., 1993, "An Economic Valuation of Wetland Benefits," in G.E. Hollis, W.M. Adams and M. Aminu-Kano (eds.), *The Hadejia-Nguru Wetlands: Environment, Economy and Sustainable Development of a Sahelian Floodplain Wetland*, IUCN, pp. 191-209.
- Barbier, E.B., 1993, "The Role of Economic Incentives for Natural Resource Management in Developing Countries," in H. Giersch (ed.), *Economic Evolution and Environmental Concerns*, Kiel Institute of World Economics and Kluwer Press, pp. 153-178.
- Barbier, E.B. and Markandya, A., 1993, "Environmentally Sustainable Development: Optimal Economic Conditions," in E.B. Barbier (ed.), *Economics and Ecology: New Frontiers and Sustainable Development*, Chapman and Hall, London, pp. 11-28.
- Barbier, E.B., 1993, "Valuation of Environmental Resources and Impacts in Developing Countries", in R.K. Turner (eds.), *Sustainable Environmental Management: Principles and Practice*, 2nd edition, Bellhaven Press, London, pp. 319-337.

Barbier, E.B., Burgess, J.C. and Pearce, D.W., 1992, "Technological Substitution Options for Controlling Greenhouse Gas Emissions," in J. Poterba and R. Dornbusch (eds.), *Economic Policy Responses to Global Warming*, MIT Press, pp. 109-160.

Barbier, E.B., 1991, "Tropical Deforestation", Chapter 8, in D.W. Pearce (ed.), *Blueprint 2: The Greening of the World Economy*, Earthscan Publications, London, pp. 138-166.

Barbier, E.B., 1991, "Environmental Degradation in the Third World," Chapter 6, in D.W. Pearce (ed.), *Blueprint 2: The Greening of the World Economy*, Earthscan Publications, London, pp. 75-108.

Barbier, E.B., 1991, "Natural Resource Degradation: Policy, Economics and Management," in J. Winpenny (ed.), *Development Research: The Environmental Challenge*, Overseas Development Institute, London, pp. 43-57.

Barbier, E.B. and D.W. Pearce, 1990, "Uncertainty, Irreversibility and Decision Making about the Socio-Economic Consequences of Climatic Change," in M.M. Boer and R.S De Groot (eds.), *Landscape-Ecological Impact of Climate Change*, IOS Press, Amsterdam, pp. 347-360.

Barbier, E.B., 1990, "The Economic Policy Framework for Natural Resource Management," Appendix 1 in Nicholas Polunin and John H. Burnett (ed.), *Maintenance of the Biosphere*, Proceedings of the Third International Conference on Environmental Futures (3rd ICEF), Edinburgh University Press, pp. 199-206.

Barbier, E.B., 1990, "Economics for Sustainable Production," in Rosalyn Prinsley (ed.), *Agroforestry for Sustainable Production: Economic Implications*, Commonwealth Science Council, London, pp. 389-404.

Barbier, E.B., 1990, "Environmental Policy: the Greening of the UK Economy," Chapter 8 in Peter Jackson and Francis Terry (eds.), *Public Domain 1990*, Public Finance Foundation with Peat, Marwick, McLintock, London, pp. 85-98.

Pearce, D.W., Barbier, E.B. and Markandya, A., 1988, "Environmental Economics and Decision-Making", in Swedish Ministry of Foreign Affairs, *Recovery in Africa: A Challenge for Development Cooperation in the 1990s*, Stockholm, pp. 271-89.

Barbier, E.B. and Madeley, J., 1987, "Food and Agriculture," Chapter 4, in IIED and the World Resources Institute, *World Resources 1987*, Basic Books, New York, pp. 39-56.

Barbier, E.B., 1986, "The Potential for Reviving Economic Growth: The Political Economy of Resource Misallocation", in P. Ekins (ed.), *The Living Economy*, Routledge and Kegan Paul, London.

Non-Refereed Chapters in Books:

Burgess, J.C. and Barbier, E.B., 2002, "Sustainable Development," in N.J. Smelser and P.B Baltes (eds.), *International Encyclopedia of the Social & Behavioral Sciences*, Elsevier Science Ltd. UK pp. 15329-15335.

Barbier, E.B., 2001, "Deforestation, Land Degradation and Rural Poverty in Latin America: Examining the Evidence," in Ronaldo Seroa da Motta (ed.), *Environmental Economics and Policy Making in Developing Countries*, Edward Elgar, Cheltenham, UK * Northampton, MA, pp. 118-139.

Benhin, J.K. and Barbier, E.B., 2000, "The Structural Adjustment Programme and Deforestation in Ghana," in C. Perrings (ed.), *The Economics of Biodiversity Conservation in Sub-Saharan Africa*, Edward Elgar, London, pp. 232-272.

Benhin, J.K. and Barbier, E.B., 2000, "Forestry, Deforestation and Biodiversity in Ghana," in C. Perrings (ed.), *The Economics of Biodiversity Conservation in Sub-Saharan Africa*, Edward Elgar, London, pp. 185-231.

Barbier, E.B., Bishop, J.T., Aylward, B.A. and Burgess, J.C., 1992, "Economic Policy and Sustainable Natural Resource Management," Chapter 3, in J. Holmberg (ed.), *Policies for a Small Planet*, Earthscan Publications, London, pp. 65-90.

Barbier, E.B., Burgess, J.C. and Pearce, D.W., 1991, "The Environment and Sustainable Development," in N.P. Girvan and D.A. Simmons (eds.), *Caribbean Ecology and Economics*, Caribbean Conservation Association, St. Michael, Barbados, pp. 25-44.

Barbier, E.B., 1991, "An Approach to Economic Evaluation of Tropical Wetlands: With Examples from Guatemala and Nicaragua," in N.P. Girvan and D.A. Simmons (eds.), *Caribbean Ecology and Economics*, Caribbean Conservation Association, St. Michael, Barbados, pp. 207-232.

Refereed Proceedings/Transactions/Commentaries/Working Papers:

Barbier, E.B., P. Delacote and J. Wolfersberger. 2016. "The economic analysis of the forest transition: a review." Chaire Economie Du Climat, Working Paper WP#2016-05, Dauphine University, Paris, September.

Barbier, E.B. 2016. "Righting the Balance: Overcoming environmental scarcity and inequality through inclusive green growth." Special Issue on "Inclusive Green Economy: Building Bridges to a Sustainable Future." *Our Planet*, UN Environment Programme, Nairobi, pp. 47-48.

Barbier, E.B. 2015. "Climate Change Impacts on Rural Poverty in Low-Elevation Coastal Zones." *Policy Research Working Paper No. 7475* and Background Paper for *Shock Waves: Managing the Impacts of Climate Change on Poverty*. The World Bank, Washington, DC, November.

Barbier, E.B. 2015. "Overcoming environmental scarcity and inequality." *Making It: Industry for Development*. November 20, 2015, pp. 28-29. UN Industrial Development Organization (UNIDO), New York. <http://issuu.com/makingit/docs/makingit20fullweb/29>

Barbier, E.B. 2015. "Nature and Wealth: A Parable from Beijing." *China-US Focus* November 10, 2015. <http://www.chinausfocus.com/finance-economy/nature-and-wealth-a-parable-from-beijing/>

Barbier, E.B. and Hochard. 2015. "Geographical poverty traps in rural areas: A growing global problem." The World Bank, Washington, D.C. <http://blogs.worldbank.org/developmenttalk/geographical-poverty-traps-rural-areas-growing-global-problem>

Barbier, E.B. and J.P. Hochard. 2014. "Poverty and the Spatial Distribution of Rural Populations." *Policy Research Working Paper No. 7101*. The World Bank, Washington, DC, November.

Gwatipedza, J. and E.B. Barbier. 2013. "Environmental Regulation of a Global Pollution Externality in a Bilateral Trade Framework: The Case of Global Warming, China and the US. Economics Discussion Paper No. 2013-60, Kiel Institute for the World Economy. <http://www.economics-ejournal.org/economics/discussionpapers/2013-60>

Barbier, E.B. 2013. "The hidden global poverty problem." *Making It: Industry for Development*. September 24, 2013, pp. 47-48. UN Industrial Development Organization (UNIDO), New York. http://issuu.com/makingit/docs/making-it_13_web_single-pages/47

- Barbier, E.B. 2013. "Structural Change, Dualism and Economics Development: The Role of the Vulnerable Poor on Marginal Lands." *Policy Research Working Paper No. 6456*. The World Bank, Washington, DC, May.
- Barbier, E.B. 2012. "Natural Capital, Ecological Scarcity and Rural Poverty." *Policy Research Working Paper No. 6232*. The World Bank, Washington, DC, October.
- Barbier, E.B. 2012. "The Green Economy Challenge After Rio+20." *e-International Relations* June 29, 2012. http://www.e-ir.info/2012/06/29/the-green-economy-challenge-after-rio20/?utm_source=twitterfeed&utm_medium=twitter
- Barbier, E.B. 2012. "Can the US and China Cooperate over Climate and Clean Energy?" *China-US Focus* May 28, 2012. <http://chinausfocus.com/energy-environment/can-the-us-and-china-cooperate-over-climate-and-clean-energy/>
- Barbier, E.B. 2011. "Global Economic Development, Natural Resources and History." *The World Financial Review* September-October 2011, pp. 50-53. <http://www.worldfinancialreview.com/?p=732>
- Barbier, E.B. 2011. "A Global Green Recovery and the Lessons of History." *The European Financial Review*. February 17, 2011. <http://www.europeanfinancialreview.com/?p=2497>
- Barbier, E.B. 2010. "Dealing in green: a global recovery strategy." *The Broker* June 30, 2010. <http://www.thebrokeronline.eu/en/Magazine/articles/Dealing-in-green>
- Barbier, E.B. and Schwartz, J. "World debt and the Gulf oil spill should spur a Green New Deal" *Christian Science Monitor*, June 22, 2010.
- Barbier, E.B. 2010. "Green stimulus is not sufficient for a global green recovery." *VoxEU.org* 3 June 2010. <http://www.voxeu.org/index.php?q=node/5134>
- Barbier, E.B. 2009. "Global Governance: the G20 and a Global Green New Deal." *Economics Discussion Papers*, No 2009-38, Kiel Institute for the World Economy. <http://www.economics-ejournal.org/economics/discussionpapers/2009-38>
- Barbier, E.B. 2009. "The G20 agenda should include implementing a global 'green' new deal." *VoxEU.org* 7 March 2009. <http://www.voxeu.org/index.php?q=node/3223>
- Barbier, E.B. 2007. "Valuation of ecosystem services supporting aquatic and other land-based food systems." In D.M. Bartley, C. Brugère, D. Soto, P. Gerber and B. Harvey (eds). *Comparative assessment of the environmental costs of aquaculture and other food production sectors: methods for meaningful comparisons*. FAO/WFT Expert Workshop. 24-28 April 2006, Vancouver, Canada. *FAO Fisheries Proceedings*. No. 10. Rome, FAO, pp. 71-86.
- Barbier, E.B. 2007. "To Replant or Not To Replant. Natural Barriers? Perhaps that is the Wrong Question." In S. M. Baker, J. Johansson and D. Westbrook, eds. *Proceedings of the Conference on Macromarketing and Development: Building Bridges and Forging Alliances*. Washington, D.C., June 2-5, 2007, pp. 435-440.
- Hanley, N., Angelopoulos, K., Tinch, D., Davies, A., Watson, F. and Barbier, E.B. "What Drives Long-Term Biodiversity Change? Insights from Combining Economics, Paleo-Ecology, and History." *Resources for the Future Discussion Paper (RFF DP 07-23)*, Washington DC, April 2007. Paper presented at the *Frontiers in Environmental Economics Conference*, Resources for the Future, Washington, DC, 26-27 February 2007.

Barbier, E.B., 1998, "Environmental Project Evaluation in Developing Countries: Valuing the Environment as Input." Paper prepared for the Resource Policy Consortium Panel, Environmental Outcomes Assessment I: Conceptual Issues, World Congress of Environmental and Resource Economists, Venice, 25-27 June 1998

Barbier, E.B., 1998, "The Value of Water and Watersheds: Reconciling Ecological and Economic Externalities." Conference on "Managing Human-dominated Ecosystems," Missouri Botanical Garden, St Louis, Missouri, 26-28 March 1998, Missouri Botanical Press, USA, pp. 117-140.

Burgess J.C. and Barbier E.B., 1998, "Tenure Security, Trade Induced Price Changes and Tropical Forest Conversion." Proceedings of the Environmental Policy and Society Workshop on Trade Impacts on Forest Communities, Stallet, Sweden, January 1998 (in press).

Barbier, E.B., 1998, "Comments on Environment, Poverty and Economic Growth", in B. Pleskovic and J. Stiglitz (eds.). *Annual Bank Conference on Development Economics 1997*, World Bank, Washington DC, 1998, pp. 271-276.

Barbier, E.B., 1997, "Valuing the Environment as Input: Applications to Mangrove-Fishery Linkages." Proceedings of the 4th Workshop of the Global Wetlands Economics Network (GWEN), Wetlands: Landscape and Institutional Perspectives, Beijer International Institute for Ecological Economics, Royal Swedish Academy of Sciences, Stockholm, 16-17 November, 1997 (in press).

Barbier, E.B. and Homer-Dixon, T., 1997, "Environmental Change, Social Conflict and Limits to Adaptation in Developing Countries", in Proceedings of the NATO Advanced Research Workshop on Environmental Change, Adaptation and Security, Budapest, Hungary, 16-18 October, 1997, Kluwer, The Netherlands. pp. 335-350.

Barbier, E.B., 1997, "Ecological Economics, Uncertainty and Implications for Policy Setting Priorities for Biodiversity Conservation," in OECD, *Investing in Biological Diversity: The Cairns Conference*, OECD, Paris, 1997, pp. 115-140.

Barbier, E.B., 1996, *Impact of the Uruguay Round on International Trade in Forest Products*. FAO, Rome, April 1996, 51 pp.

Barbier, E.B. and Burgess, J.C., 1992, *Malawi - Land Degradation in Agriculture*, The World Bank, Environment Department, Divisional Working Paper No. 1992-37, Washington DC, August 1992.

Barbier, E.B. and Burgess, J.C., 1992, "Agricultural Pricing and Environmental Degradation", *Policy Research Working Papers, World Development Report*, World Bank, Washington DC, 1992.

Barbier, E.B., 1988, "The Economics of Farm Level Adoption of Soil Conservation Measures", *Environment Department Working Paper No. 11*, World Bank, Washington DC, October 1988.

Other:

Editor (with S. Hallegatte and M. Fay), *Special Issue on Climate Change and Poverty, Environment and Development Economics*, in progress.

Editor, *Special Issue on Economics of Aquatic Ecosystems, Water Economics and Policy*, 3(2), April 2017. <http://www.worldscientific.com/toc/wep/03/02>

Editor (with I. Bateman and S. Barrett), *Special Issue in Honour of David W. Pearce: Environmental Economics and Policy, Environment and Resource Economics* 37, June 2007.

Editor (with E. Bulte), *Symposium on Trade, Renewable Resources and Biodiversity*, *Journal of Environmental Economics and Management*, 48(2), September 2004.

Editor (with C. Barrett and T. Reardon), *Special Issue on the Links between Agroindustrialization and the Environment in Developing Countries*, *Environment and Development Economics*, 6, 2001.

Editor (with J.C. Burgess), *Special Issue on the Economics of Tropical Deforestation and Land Use*, *Land Economics*, 77(2), May 2001.

Editor, *Special Issue on Environmental Kuznets Curves*, *Environment and Development Economics*, 2(4), October 1997.

CONTRACTS AND GRANTS (Since 2000)

Funded Projects as PI:

Barbier, "Development Pressures on Mangroves and the Vulnerability of Coastal Populations." Research Grant, College of Business, University of Wyoming, 1 January 2015 to 15 June 2015. Total budget: \$5,000.

Barbier, "Explaining Forest Transitions: The Role of Governance". Research Grant, College of Business, University of Wyoming, 1 January 2014 to 31 May 2014. Total budget: \$10,000.

Barbier, "Land Degradation, Less Favored Lands and the Rural Poor: A Spatial and Economic Analysis." Economics of Land Degradation Initiative and GIZ, 1 August 2013 to 31 May 2014. Total budget: \$106,088.

Barbier, Faculty-Led Research Project on Sustainable Business Practices. "Institutions for sustainable development: introducing climate change into the competing land use framework." College of Business, University of Wyoming, 1 June 2013 to 31 May 2014. Total budget: \$6,000.

Barbier, Cardinale. "Linking biodiversity and ecosystem services: From expert opinion to prediction and application." Theme 2012T-3: Assessment and Modeling of Ecosystem Services, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, Maryland, November 2012 to April 2014. Total budget: \$180,000.

Barbier, Teesfaw. "Overcoming Tenurial Constraints to Carbon Forestry Projects in Africa", IFRI/CCAS Project on Emissions, Livelihoods and the Forest Farm Interface, University of Michigan, 2011 to 2012. Total budget: \$5,000.

Barbier, Reed and Georgiou. "Quantifying Ecosystem Services in Coastal Louisiana: A Pilot Study of the Economic Benefits of Wave and Surge Attenuation", 2010 to 2011. Total budget: \$109,933.

Barbier, Granek, Koch, Stoms and Aswani-Canela, "Measuring Ecological, Economic and Social Values of Coastal Habitats to Inform Ecosystem-based Management of Land-Sea Interfaces", Ecosystem-Based Management Workshop Series, National Center for Ecological Analysis and Synthesis, 2007 to 2008. Total budget: \$190,400.

Barbier, Knowler and Reichard, The Economics and Ecology of the Risk of Invasive Plant Establishment from the Horticultural Trade in North America, Program of Research on the Economics of Invasive Species Management (PREISM), Economic Research Service, US Department of Agriculture, 2006 to 2007. Total budget: US\$207,000.

Barbier, Knowler and Reichard, The Ecology and Economics of Commercialization when Plants Carry a Risk of becoming Invasive, Seed Money Grant, The Center for Invasive Plant Management, Montana State University, 2004 to 2005. Total budget: US\$4,950.

Barbier, Water Scarcity and Economic Growth in Wyoming, 2003 to 2005. US Geological Survey/Wyoming Water Development Council. Total budget: US\$60,128.

Barbier, Follow-up Research on Shrimp Farming and Mangrove Loss in Thailand, University of York, Department of Environment, 2002. Total Budget US\$2,870.

Barbier, Economic Analysis of Upstream-Downstream Water Allocation in Developing Countries, Department of Economics, Stanford University, 2002 to 2004. Total budget: US\$94,377.

Barbier (Centre for Environment and Development Economics, Environment Dept) and Sathirithai (Institute for Social and Economic Policy, Thailand), Demographic and Economic Factors Determining Coastal Land Conversion into Commercial Shrimp Farms, Thailand, MacArthur Foundation, 1999 to 2002. Total budget: US\$200,000.

Barbier, Environmental Economics Input, Guidelines for Artificial Flood Releases from Reservoirs to Maintain Downstream Wetlands, Institute of Hydrology, UK Department for International Development, World Commission on Dams and World Bank, 1998 to 2001, UK£10,000.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Editorial Boards/Editorships:

Editorial Advisory Panel, *Nature Sustainability*, November 2016 – present.

Editorial Advisory Board, *Open Economics*, November 2016 – present.

Editorial Board, *Latin American Economic Review*, March 2013 – present.

Editorial Council, *Environmental Economics and Policy Studies*, September 2010 - present

Scientific Advisory Board, *Environmental and Resource Economics*, September 2008 – present

Editorial Board, *Australian Economic Papers* (Blackwells), April 2004 - present.

Policy Board, *Environment and Development Economics* (Cambridge University Press), Jan 2003 - present.

Editorial Board, *Contemporary Economic Policy* (Western Economic Association International), July 2001 - present.

Associate Editor, *Resource & Energy Economics*, December 2011 – January 2013

Editorial Board, *Resource & Energy Economics*, December 2006 – August 2015

Editorial Board, *Land Economics*, October 2006 – October 2012.

Associate Editor, *Frontiers in Ecology and the Environment* (Ecology Society of America), November 2005 – November 2009.

Editorial Council, *Journal of Environmental Economics and Management* (Academic Press), 2001-2003.

Editorial Board, *Conservation Ecology* (Ecological Society of America), 1996 - 2002.

Associate Editor, *Environment and Development Economics* (Cambridge University Press), 1995-2003.

Editorial Board, *Biodiversity Letters* (Blackwell), 1993-6.

Other:

Advisory Board, "Valuing the Resilience Dividend", Resilience Dividend Project, RAND Corporation and the Rockefeller Foundation, Arlington, VA and New York, NY, 2016 – present.

Advisory Panel, Guidelines of Coastal and Marine Ecosystem Accounting: Incorporating the Protective Service Values of Coral Reefs and Mangroves in National Wealth Accounts, Wealth Accounting and Valuation of Ecosystem Services (WAVES), The World Bank, Washington DC, 2014 – present.

Advisory Committee, Partnership for Action on Green Economy, United Nations Environment Programme (UNEP), Geneva, Switzerland, 2013 – present.

Gulf of Mexico Research Initiative (GoMRI), Public Health Working Group, 2013 – present.

Mangrove Specialist Group, IUCN Species Survival Commission, World Conservation Union, Gland, Switzerland, 2013 – present.

Policy Technical Experts Committee (PTEC), Wealth Accounting and Valuation of Ecosystem Services (WAVES) Global Partnership, The World Bank, Washington, DC. 2012 – present.

Country Representative for the United States at the European Association of Environmental and Resource Economists (EAERE) Council, 2012 – present.

Advisory Board, The Economics of Ecosystems and Biodiversity (TEEB), The Green Economy Initiative, United Nations Environment Programme, 2008 – present.

Advisory Committee, Climate Change and Poverty Report, The World Bank, Washington DC, 2014 – 2016.

Expert Panel of Diversion Planning and Implementation: Social Impact Assessment Methodology, The Water Institute of the Gulf, Baton Rouge, Louisiana, 2013-2014.

Master Plan Science and Engineering Board, "Louisiana's Comprehensive Master Plan for a Sustainable Coast", Louisiana Office of Coastal Protection and Restoration, October 1, 2010 – March 31, 2012.

Selection Jury, Aldo Leopold Leadership Fellowship Program, Woods Institute for the Environment, Stanford University, 2008 – 2012.

Advisory Board, UK National Ecosystem Assessment (NEA), United Nations Environment Programme (UNEP), World Conservation Monitoring Centre (WCMC), UK, 2009 – 2010.

Member, Environment Economics Task Force, Initiative for Policy Dialogue, Columbia University, 2003 – 2008.

Member, International Council of Science (ICSU) Ad-hoc Scoping Group on Natural and Human-Induced Environmental Hazards, 2005 – 2007.

Member, Scientific Committee, DIVERSITAS, 2004 – 2009.

Expert Reviewer, Comprehensive Assessment of Water Management in Agriculture, International Water Management Institute, August 2005 – 2007.

Peer Reviewer, Program of Research on the Economics of Invasive Species Management (PREISM), US Department of Agriculture, 2004.

Economics Assessor, International Review of Australian National University 1995-2003, May-June 2004.

Member, Governor's Task Force on Enhanced Oil Recovery, Governor's Office, Wyoming, November 2003 to March 2004.

National Research Council, Water Science and Technology Board, Committee on Assessing and Valuing the Services of Aquatic and Related Terrestrial Ecosystems, National Academy of Sciences, Spring 2002 – Fall, 2004.

Review Committee, Global Development Network Awards, The World Bank, 2000.

Visiting Fellow, Environmental Policy Initiative, Agricultural and Resource Economics Department, Ohio State University, October 11-13, 2000.

Visiting Professor, Department of Agricultural and Resource Economics, University of Maryland, Spring 2000

Member, UK Economic and Social Research Council and Natural Environmental Research Council Panel on Interdisciplinary Research Studentships Awards, 1999-2000. Responsible for reviewing and recommending MPhil/DPhil applications for research awards.

Member, UK Economic and Social Research Council's Politics, Economics and Geography Research College, 1999-2000. Advisor on research policy to the ESRC's Director of Research, Politics, Economics and Geography Team.

Member, UK Department for International Development Task Force on Genetic Use Restricted Technologies (GURTs), 1999. Responsible for contributing to report and recommendations on GURTs and their impact on the developing world.

Scientific Committee, European Association of Environmental and Resource Economists, 1998 to present.

Member, UK Economic and Social Research Council Panel for Evaluating the Centre for Social and Economic Research into the Global Environment, 1998-9. Responsible for recommending on funding and other support to the ESRC General Board.

Invited by the British Council and the Australian Museum Society to participate on a panel of international experts on biodiversity loss in the Earth Alive! Forum, Sydney, Australia, 4-5 September 1997.

Visiting Professor, Department of Agricultural and Resource Economics, University of Maryland, Autumn 1996.

Resource Person and Program Committee Member, Economy and Environment Program for S.E. Asia (EEPSEA), International Development Research Centre, Singapore, 1993-6. Responsible for overseeing a major research programme to fund environmental economics research by South East Asian scholars in the region.

HONORS AND AWARDS

2017 STEPI Fellowship, Science and Technology Policy Institute, Seoul, Republic of Korea.

2015 Commendation for Best Paper in *Environmental and Resource Economics* (Kennedy, C.J. and E.B. Barbier. 2015. "Renewable resource harvesting under correlated biological and economic uncertainties: implications for optimal and second-best management." *Environmental and Resource Economics* 60:371-393, Awarded June 25, 2016).

2015 Association of Environmental and Resource Economists (AERE) Fellow (Awarded June 11, 2016)

2015 Recipient of the 13th Annual Patrick Lecture Series Award, Graduate School and Coastal Studies Institute, Louisiana State University, Baton Rouge, Louisiana

2015 STEPI Fellowship, Science and Technology Policy Institute, Seoul, Republic of Korea.

2013-14 Recipient of the University of Wyoming, College of Business Outstanding Senior Research Award.

2013 Three peer-reviewed journal articles with Professor Barbier as the lead author were selected in an international survey of marine scientists as the top five most influential articles of all time on marine ecosystem services. The articles were first, fourth and fifth respectively on the list. The survey was conducted by the Marine Ecosystem Services Partnership of Duke University, USA. See <http://openchannels.org/literature-library/top-mes>.

2013 Award Recipient, Fall 2013 Faculty Senate Speaker Series, University of Wyoming

2012-2013 Recipient of the University of Wyoming, College of Business Advisory Board (COBAB) Faculty Award in the Department of Economics & Finance.

2010-11 Recipient of the University of Wyoming, College of Business Outstanding Senior Research Award.

2010 STEPI Fellowship, Science and Technology Policy Institute, Seoul, Republic of Korea.

Blueprint for a Green Economy listed as No. 14 in Wayne Visser. 2009. *The Top 50 Sustainability Books*. Greenleaf Publishing, Sheffield, UK, a publication of University of Cambridge's Programme for Sustainability Leadership.

2008-9 As part of the 800th anniversary celebrations of the University of Cambridge and the 20th anniversary of the Cambridge Programme for Industry (CPI), selected as one of the top 50 most influential thinkers on sustainability in the world, with particular reference to *Blueprint for a Green Economy*.

2008 Presidential Award, University of Wyoming.

2007-8 Recipient of the University of Wyoming, College of Business Outstanding Senior Research Award.

2006-7 Recipient of the Flittie Sabbatical Augmentation Award, University of Wyoming (\$12,500).

2006-7 Recipient of the American Heritage Center Research Fellowship (\$2,500).

2005 Aldo Leopold Leadership Program Fellow.

2003-4 Recipient of the University of Wyoming, College of Business Outstanding Senior Research Award.

Listed in Marc Blaug and Howard R. Vane, eds. *Who's Who in Economics* 4th ed., Edward Elgar, London, 2003, pp. 50-1.

Invited to present the 2003 Benjamin H. Hibbard Memorial Lecture, Department of Agricultural & Applied Economics, University of Wisconsin, Madison, Wisconsin, April 4, 2003.

Invited Keynote Speaker, Conference of Australian Economists, Glenelg, South Australia, October 1-3, 2002.

Invited to present the 2002 Joseph Fisher Lecture in Economics, Adelaide University, Adelaide, Australia, September 30, 2002.

International Travel Grant Award, University of Wyoming, Spring 2002. Award used to attend the Responses Working Group Workshop, Millennium Ecosystem Assessment of the United Nations, New Delhi, India, May 2002.

Invited to present the 1998 Annual Lecture on Natural Resource Conservation and Management in Africa, United Nations University and the Institute for Natural Resources in Africa, Accra, Ghana, November 1998.

Gambrinus Giuseppe Mazzotti Literary Prize, Special Jury's Prize, for *Blueprint for a Green Economy*, 1991.

Honorary Research Fellow, Economics Dept., University College London, 1991-94.

PAPERS PRESENTED/KEYNOTE ADDRESSES/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

(Selected Presentations since 2000)

Barbier, E.B. "Progress and Advancement in Economic Valuation of Ecosystem Services." Keynote Address, Expert Workshop on The Economics and Financing of Restoration Opportunities, World Resources Institute, Washington, D.C., March 31, 2017.

Barbier, E.B. "Natural Capital and Wealth in the 21st Century." Seminar, Department of Economics, Arizona State University, Phoenix, AZ, March 3, 2017.

Barbier, E.B. "Nature and Wealth: Overcoming Environmental Scarcity and Inequality." Invited Public Address, Global Institute of Sustainability, Arizona State University, Phoenix, AZ, March 2, 2017.

Barbier, E.B. "Natural Capital and Wealth in the 21st Century." Seminar, Department of Economics, Colorado State University, Fort Collins, CO., February 16, 2017.

Barbier, E.B. "The Dynamics of Poverty-Environment Traps." Applied Micro Seminar, Development Research Group, World Bank, Washington, D.C., December 14, 2016.

Barbier, E.B. “Advances and Frontiers at the Intersection of Environmental and Development Economics.” Plenary Address, Heartland Environmental and Resource Economics Workshop, University of Illinois, Champaign-Urbana, November 11-13, 2016.

Barbier, E.B. “Building the Green Economy: Making Sustainability Competitive through Policy and Innovation.” Keynote Address. Green Economy Konferenz 2016, Berlin, Germany 2 November 2016.

Barbier, E.B. “Exploiting Natural Wealth for Sustainable Economic Development: Rethinking the Role of Sovereign Wealth Funds.” Stroock Sovereign Wealth Forum, Jackson Hole, Wyoming, August 23-24, 2016.

Barbier, E.B. Comments on “Heterogeneous Wealth Dynamics: On the Roles of Risk and Ability” (Santos and Barrett) and “Agro-Ecosystem Productivity and the Dynamic Response to Shocks” (Chavas). National Bureau of Economic Research (NBER) Conference “The Economics of Asset Accumulation and Poverty Traps”, Washington, D.C., June 28-29, 2016

Barbier, E.B. “Sustainability and Development” Paper presented at the 22nd Annual Conference of the European Association of Environmental and Resource Economists, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland, June 22-25, 2016.

Barbier, E.B. “Is Green Growth Relevant for Developing Economies?” GGKP Policy Session on Inclusive Green Growth, The 22nd Annual Conference of the European Association of Environmental and Resource Economists, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland, June 22-25, 2016.

Barbier, E.B. “Nature and Wealth: Overcoming Environmental Scarcity and Inequality.” Grantham Research Institute for Climate Change and the Environment, The London School of Economics, London, UK, June 20, 2016.

Barbier, E.B. “Nature and Wealth: Overcoming Environmental Scarcity and Inequality.” Guest Lecture, Discovery Themes, Ohio State University, Columbus, Ohio, USA, November 6, 2015

Barbier, E.B. “The role of geographic poverty-environment traps” Policy Session: Climate Change and Poverty, The 21st Annual Conference of the European Association of Environmental and Resource Economists, University of Helsinki, Helsinki, Finland, 24-27 June 2015.

Barbier, E.B. “Is the income elasticity of the willingness to pay for pollution control constant?” Paper presented at the 21st Annual Conference of the European Association of Environmental and Resource Economists, University of Helsinki, Helsinki, Finland, 24-27 June 2015.

Barbier, E.B. “The Protective Value of Estuarine and Coastal Ecosystem Services in a Wealth Accounting Framework.” Nova School of Business and Economics, University of Lisbon, Lisbon, Portugal, April 24, 2015.

Barbier, E.B. “Valuing the Storm Protection Service of Estuarine and Coastal Wetlands.” 13th Annual Patrick Lecture Series, Louisiana State University, Baton Rouge, LA, April 14, 2015.

Barbier, E.B. “Living on the Edge: Protecting and Restoring Coastal Habitats.” 13th Annual Patrick Lecture Series, Louisiana State University, Baton Rouge, LA, April 13, 2015.

Barbier, E.B. “Quantifying and Valuing Ecosystem Services for Coastal Management.” Invited Address, Royal Swedish Academy of Sciences 275th Anniversary Symposium on Maritime Research, University of Gothenburg, Sweden. February 17-18, 2015.

Barbier, E.B. "Climate Change Impacts on Rural Poverty in Low-Elevation Coastal Zones." Conference on Climate Change and Poverty. The World Bank, Washington, D.C., February 9-10, 2015.

Barbier, E.B. "Knowledge Generation for Green Growth." Keynote Address. 2015 Green Growth Knowledge Platform Knowledge Partners Workshop. Ca' Foscari University of Venice, Italy. January 28, 2015

Barbier, E.B. "Is green growth relevant for poor economies?" Keynote Address. 3rd International Conference on Environment and Natural Resource Management in Developing and Transition Economies. CERDI, University of Auvergne, Clermont-Ferrand, France. October 8-10, 2014.

Barbier, E.B. "Valuing ecosystem services for coastal protection and restoration: progress and challenges." Keynote Address. Gulf Research Program of the National Academies. Opportunity Analysis Workshop on Environmental Monitoring. New Orleans, LA. September 3-4, 2014.

Barbier, E.B. "Quantifying and valuing coastal ecosystem services to assist policy decisions." Symposium on Operationalizing the Concept of Ecosystem Services: Interdisciplinary Research and Synthesis. 99th Ecological Society of America Meeting, Sacramento, CA. August 10-15, 2014.

Barbier, E.B. "The Protective Value of Estuarine and Coastal Ecosystem Services in a Wealth Accounting Framework." Paper presented at the Thematic Session "Valuation Research on Ecosystem Services for Improved National Accounting." World Congress of Environmental and Resource Economists (WCERE), Istanbul, Turkey, June 28-July 2, 2014.

Barbier, E.B. "Explaining Forest Transitions: The Role of Governance." Paper presented at the Thematic Session "The Economic Analysis of the Forest Transition." World Congress of Environmental and Resource Economists (WCERE), Istanbul, Turkey, June 28-July 2, 2014.

Barbier, E.B. "Ecosystem Services and Tools for Wetland Management." Keynote Address, 1st International Symposium on Natural Resource Management. "Understanding Wetlands: A Key Issue in the Transition to a Sustainable Economy." Palma de Mallorca, Spain, June 19-21, 2014.

Barbier, E.B. "Building the Green Economy." Keynote Address, Big Ideas for Sustainable Prosperity: Policy Innovation for Greening Growth. University of Ottawa, Ottawa, Canada, April 28-29, 2014.

Barbier, E.B. "Ecosystem Services and the Poor on Marginal Lands: Tradeoffs and Synergies." Keynote Address, ESPA Annual Science Conference 2013, London, UK, November 20-21, 2013.

Barbier, E.B. "Scarcity and Frontiers: How Economics Have Developed Through Natural Resource Depletion." Faculty Senate Speaker Series, Fall 2013 Award Lecture, University of Wyoming, Casper October 29 and Laramie November 11, 2013.

Barbier, E.B. "Valuing Ecosystem Services for Coastal Wetland Protection and Restoration: Progress and Challenges." Invited Seminar, Marine Science Center, Northeastern University, Nahant, MA, October 24, 2013.

Barbier, E.B. "Structural Change, Marginal Land and Economic Development in Latin America and the Caribbean" Keynote Address, Workshop on Environmental and Development Economics in Latin America, CIDE, Mexico City, Mexico, October 4-5, 2013.

Barbier, E.B. "Biodiversity, Environmental Economics and Economic Policy" Plenary Address, Ecology and Economy for a Sustainable Society, 7th Trondheim Conference on Biodiversity, Trondheim, Norway, 27-31 May 2013

Barbier, E.B. "Is Green Growth Relevant for Poor Economies?" Plenary Address, Seminar on "Green Growth: Possible and Desirable?" The World Bank, Washington, D.C., 16 May 2013.

Barbier, E.B. "Land Degradation and Rural Poverty: Economic and Social Aspects." Plenary Address, 2nd Scientific Conference, UN Convention to Combat Desertification (UNCCD), Bonn, Germany, 9-12 April 2013.

Barbier, E.B. "Progress and Challenges in Valuing Ecosystem Services for Coastal Wetland Protection and Restoration." Plenary Address, Challenges of Natural Resource Economics and Policy, 4th National Forum on Socioeconomic Research in Coastal Systems, New Orleans, LA, 24-26 March 2013.

Barbier, E.B. "A Spatial Model of Coastal Ecosystem Services." Seminar, National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD, January 11, 2013.

Barbier, E.B. "Structural Change, Dualism and Economic Development", Keynote Speech, Environment for Development Sixth Annual Meeting, Arenal, Costa Rica, October 25-29, 2012.

Barbier, E.B. "Land Degradation and the Rural Poor". Keynote Address, 2012 Research Symposium on Soil Security, University of Sydney, Sydney, Australia, July 16-17, 2012.

Barbier, E.B. "The Dualistic Frontier Economy in Developing Countries." Paper presented at the 19th Annual Conference of the European Association of Environmental and Resource Economists, Charles University and the University of Economics, Prague, Czech Republic, June 27-30, 2012.

Barbier, E.B. "The Dualistic Frontier Economy in Developing Countries." Paper presented at the Oxford Centre for the Analysis of Resource Rich Economies (OxCarre), University of Oxford, June 20, 2012.

Barbier, E.B. "Environmental Sustainability and Poverty Eradication in Developing Countries." Plenary Presentation, the Dorothy R. and Norman E. McCulloch Center for Global Initiatives, Global Challenges Conference: Development in Crisis, Mount Holyoke College, MA, March 2-3, 2012.

Barbier, E.B. "Natural Capital, Ecological Scarcity and Rural Poverty." Paper presented at the inaugural conference of the World Bank's Green Growth Knowledge Platform (GGKP), "Green Growth: Addressing the Knowledge Gaps," Mexico City, Mexico, January 12-13, 2012.

Barbier, E.B. "Overcoming Tenurial Constraints to Carbon Forestry Projects in Africa." Paper presented at the Association of Environmental and Resource Economists Inaugural Summer Conference, Seattle, WA, June 9-10, 2011.

Barbier, E.B. "Coastal Wetland Restoration and the *Deepwater Horizon* Oil Spill." Paper presented at Rigs, Risk, and Responsibility: Conference on the BP Oil Spill. Vanderbilt University Law School, Nashville, TN, April 1, 2011.

Barbier, E.B. "Linking Green Stimulus, Energy Efficiency and Technological Innovation: The Need of Complementary Policies." Paper prepared for the European Commission DG 1 (External Relations) Project, "Transatlantic Opportunities for Meeting Global Challenges in Energy Efficiency and Low Carbon Technologies". Presented at the Transatlantic Energy Efficiency Workshop, UC Berkeley School of Law, Berkeley, CA, February 11-12, 2011.

Barbier, E.B. "Ecosystems as Natural Assets." Keynote Address, 11th Annual meeting of the Society for Environmental Economics and Policy Studies, Nagoya, Japan, September 12, 2010.

Barbier, E.B. "A Spatial Model of Ecosystem Services." Paper presented at the 4th World Congress of Environmental and Resource Economists, Université du Québec à Montréal (UQAM), Montreal, Canada, June 28-July 2, 2010.

Barbier, E.B. "Ecosystems as Natural Assets." Keynote Address, 11th Annual BioEcon Conference on "Economic Instruments to Enhance the Conservation and Sustainable Use of Biodiversity", Centro Culturale Don Orione Artignianelli, Venice, Italy, September 21-22, 2009.

Barbier, E.B. "A Monopolistic Competition Economic Model of the Horticultural Industry with a Risk of Harmful Plant Invasion." Paper presented at the 17th Annual Conference of European Association of Environmental and Resource Economists, Free University, Amsterdam, the Netherlands, June 24-27, 2009.

Barbier, E.B. "Financing Climate Mitigation and Adaptation at COP 15: Introductory Remarks." Invited presentation at the CC9 Climate Conference Green Technology and Finance: Striking a Fair Climate Change Agreement, Hafslund Manor, Sarpsborg, Norway, June 4-5, 2009.

Barbier, E.B. "A Global Green New Deal." Keynote Address, European Environment Bureau Conference Finding the New Path: A More Strategic Role for Sustainable Consumption and Production, Brussels, Belgium, May 27, 2009.

Barbier, E.B. "Assigning Valuation of Coastal Habitats with Non-Linear Ecological Functions: The Example of Mangroves." Invited presentation at the Symposium Valuable and Vulnerable: Managing Ecosystem Services at the Land-Sea Interface. International Marine Conservation Congress, George Mason University, Fairfax, VA, May 19-24, 2009.

Barbier, E.B. "Corruption, Poverty and Tropical Land Use". Keynote Address, International Society of Tropical Foresters Annual Conference Conflict and Cooperation: Tools for Governing Tropical Forests, Yale University, New Haven, CT, March 27-29, 2009.

Barbier, E.B. 2009. "A Global Green New Deal." Keynote Address. World Bank Environment Day. The World Bank, Washington DC, March 23, 2009.

Barbier, E.B. "Natural Resource Scarcity, Ecological Scarcity and Sustainable Development 20 Years On: What Have We Learned That Is Relevant to Developing Countries?" Plenary presentation at the Pre-Conference on Environment and Development, University of Gothenburg, Sweden, June 25, 2008.

Barbier, E.B. "Corruption, Trade and the Political Economy of Resource-Based Development: A Comparison of Africa and Asia." Paper presented at the 16th Annual Conference of European Association of Environmental and Resource Economists, University of Gothenburg, Sweden, June 25-28, 2008.

Barbier, E.B. "Ecological Scarcity: The Global Economic Challenge for the 21st Century." President Speaker Series, University of Wyoming, Casper April 8 and Laramie April 17, 2008.

Barbier, E.B. "Ecological Scarcity and Sustainability: Key Economic Challenges for the 21st Century." Invited Speaker, Ecology Seminar Series, Penn State University, State College, PA, April 11, 2008.

Barbier, E.B. "Do Mangroves Reduce Expected Storm Damages? Valuing the Storm Protection Service of Coastal Wetlands". Paper presented at the 15th Annual Conference of the European Association of Environmental and Resource Economists, University of Thessaloniki, Greece, June 27-30, 2007.

Barbier, E.B. "To Replant or Not To Replant. Natural Barriers? Perhaps that is the Wrong Question." In Conference on Macromarketing and Development: Building Bridges and Forging Alliances. Washington, D.C., June 2-5, 2007.

Barbier, E.B. "Natural Capital, Resource Dependency and Poverty: Implications for India." Economic Development and Environmental Sustainability: A Dialogue on India. The Initiative for Policy Dialogue (IPD), International Food Policy Research Institute (IFPRI) and National Institute of Urban Affairs (NIUA), New Delhi, India, December 18-19, 2006.

Barbier, E.B. "In the Long Run We Are All Dead: Economics, History and Long-Run Ecological Change." Keynote Address to the Long Term Ecological Research Network 2006 All-Scientists Meeting, September 20-23, Estes Park, Colorado.

Barbier, E.B. "Valuing Ecosystem Services as Productive Inputs." Paper prepared for the 43rd Panel Meeting of *Economic Policy* in Vienna, Austria, 21-22 April 2006.

Barbier, E.B. "Water Scarcity and Markets." Presentation for "The Culture of Water. Watering the West: the Evolution of Ownership, Control and Conflict in the West." Buffalo Bill Historical Center, Cody, Wyoming, October 13-15, 2005.

Barbier, E.B. "Sustainable Resource-Based Development in Asia and the Pacific: Overcoming the Problem of 'Dualism within Dualism'". Paper for the Eminent Environmental Economists Symposium The Fifth Ministerial Conference on Environment and Development in Asia and the Pacific 2005 "Achieving Environmentally Sustainable Growth", Seoul, South Korea, March 26, 2005.

Barbier, E.B. "Mangrove Dependency and the Livelihoods of Coastal Communities in Thailand." Keynote paper presented at the International Conference on Effective Land-Water Interface Management for Solving Agriculture-Fishery-Aquaculture Conflicts in Coastal Zones, Bac Lieu, Vietnam, March 1-3, 2005.

Barbier, E.B. "Explaining Agricultural Land Expansion and Deforestation in Developing Countries." Paper presented at the American Agricultural Economics Association Annual Meeting, Denver, Colorado, August 1-4, 2004.

Barbier, E.B. "Frontier Expansion and Resource-Based Development with Spillovers." Paper presented at the NBER Summer Institute 2004 Workshop on Public Policy and the Environment, Cambridge, Massachusetts, August 2-3, 2004.

Barbier, E.B. and Chaudhry, A. "Water and Growth in an Agricultural Economy." Paper presented at the 13th Annual Conference of the European Association of Environmental and Resource Economists, Budapest, Hungary, June 25-28, 2004.

Barbier, E.B. "Natural Capital, Resource Dependency and Poverty in Developing Countries: The Problem of 'Dualism within Dualism'". Paper presented at the IPD Task Force Meeting "Environmental Economics and Sustainable Development", Columbia University, New York, October 10-11, 2003.

Barbier, E.B. "Frontier Expansion and Economic Development." Paper presented at the Session on "Environmental Economics" at the 78th Western Economic Association International Annual Conference, Denver, CO, July 12, 2003.

Bulte, E. and Barbier, E.B. "Trade, Renewable Resources and Biodiversity." Plenary presentation (by E. Bulte) at the 12th Annual Conference of the European Association of Environmental and Resource Economists. Bilbao, Spain, June 28-30, 2003.

Barbier, E.B. "Water and Economic Growth." Paper presented at the workshop on "Water and Poverty", InterAmerican Development Bank and CIES, University of Santiago, Santiago, Chile, May 22-23, 2003

and at the 12th Annual Conference of the European Association of Environmental and Resource Economists. Bilbao, Spain, June 28-30, 2003.

Barbier, E.B. "Frontiers and Sustainable Economic Development," Benjamin H. Hibbard Memorial Lecture, Department of Agricultural & Applied Economics, University of Wisconsin, Madison, WI, April 4, 2003.

Barbier, E.B. "Does Water Scarcity Constrain Growth?", Keynote Address, Conference of Australian Economists, Glenelg, South Australia, October 1-3, 2002

Barbier, E.B. "The Role of Natural Resources in Economic Development", 2002 Joseph Fisher Lecture in Economics, Adelaide University, Adelaide, Australia, September 30, 2002.

Barbier, E.B. and Damania, R. "Lobbying, Trade and Resource Conversion" Paper presented at the 2nd World Congress of Environmental and Resource Economists, Monterey, CA, June 24-27 2002 and at the Workshop on "Trade, Biodiversity and Resources", University of Tilburg, the Netherlands, September 5-6, 2002.

Barbier, E.B. "Explaining Agricultural Expansion, Resource Booms and Growth in Latin America". Paper presented at the 5th Gosnell Lecture Series, Department of Economics, Rochester Institute of Technology, Rochester, NY, February 8, 2002.

Barbier, E.B. "Existing Agricultural Expansion, Resource Boons and Growth in Latin America". Paper presented at the Toronto Conference on National Capital, Poverty and Development, The Munck Center for International Studies, University of Toronto, Canada, September 5 - 8, 2001.

Barbier, E.B. "Habitat-Fishery Linkages and Mangrove Loss in Thailand". Paper presented at the Session on "Coastal Ecosystems, Western Economics" at the 76th Western Economics Association International Annual Conference, San Francisco, CA, July 7, 2001 and at the Colorado University Environmental and Resource Economics Workshop 2001, Breckenridge, Colorado, July 16-17, 2001.

Barbier, E.B. and Cox, M. "Does Economic Development Lead to Mangrove Loss?: A Cross-Country Analysis". Paper presented at the 11th Annual Conference of the European Association of Environmental and Resource Economists, University of Southampton, June 28-30, 2001 and at the Session on Ecosystem, Conservation and the Environment, Western Economic Association International Meetings, San Francisco, July 7, 2001.

Barbier, E.B. "Agricultural Land Expansion, Resource Booms and Growth: Implications for Policy in Latin America". Paper presented at the Workshop on Growth and the Environment: Macro-Economic Perspectives. Inter-American Development Bank, Washington DC, May 29, 2001.

Barbier, E.B. "The Economics of Tropical Deforestation and Land Use. What Can We Learn from Cross-Country Analysis?" Plenary paper presented at the Second International Conference On Environment and Development, The Royal Swedish Academy Of Sciences, Stockholm, September 6th-8th 2000.

Barbier, E.B. "Institutional Constraints and Deforestation: An Application to Mexico". Paper presented at the 2000 Royal Economic Society/Scottish Economic Society Conference, St. Andrews, Scotland, July 10-13, 2000.

COMMITTEES (UNIVERSITY OF WYOMING)

Chair, Department of Economics & Finance, 2016 -

College of Business Development Committee, 2014-2016

Chair, 4th Year Teaching Review Committee for Eli Beracha, Department of Economics & Finance, 2013-2014

Bugas Travel Award Committee, Department of Economics & Finance, 2005 - 2016

Crocker Award Committee, Department of Economics & Finance, 2005 - 2016

Biodiversity Institute Director, Search Committee, 2012

Haub School of Environmental and Natural Resources, IGERT Proposal, 2011 - 2012

President's Biodiversity Task Force, 2011 - 2012

4th Year Teaching Review Committee for Thorsten Janus, Department of Economics & Finance, 2009 - 2010

University of Wyoming's EPSCOR Ecology Advisory Committee, 2004 – 2008

University Tenure and Promotion Committee, 2007 - 2008

William D. Ruckelshaus Institute, Water Working Group, 2006 - 2008

Faculty Group for Developing University of Wyoming's Energy Institute Proposal, 2005 – 2006

University Research Committee, 2003 – 2006

University Tenure and Promotion Committee, 2002 –2004

College of Business Dean Search Committee, 2002 - 2003

Agricultural Extension Service Competitive Grants Review Committee, 2000 - 2002

GRADUATE SUPERVISION:

Current Graduate Advisees:

Nick Gorman

Current Graduate Committee Chairmanships:

Rik Chakraborti

Brian Enchelmeyer

Natalia Ushakova

Current Graduate Committee Memberships (excluding those chaired):

_____ # Plan B

_____ # MS/MA

_____ 3 #PhD

Graduate Degrees Completed (past 5 years):

Jacob P. Hochard PhD Economics (2015)

Shaikh Eskander PhD Economics (2015)

Seth Timpe, MS Economics (2014)

Anteneh Tesfaw, PhD Economics (2014)

Johnson Gwatipedza, PhD Economics (2013)

Chris Kennedy, PhD Economics (2011)

Sakib Mahmud, PhD Economics (2011)

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