

**JOANNE C. BURGESS BARBIER**  
**CURRICULUM VITAE**  
**August, 2018**

**ADDRESS**

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Colorado State University  
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**EDUCATION**

2000	Ph.D. Economics, University College London, University of London, London, England
1991	M.Sc. Environmental and Natural Resource Economics, University College London, University of London, London, England
1988	B.Sc. Economics and Political Science, University College London, University of London, London, England

**ACADEMIC POSITIONS**

2017-	Special Assistant Professor, Department of Economics, Colorado State University (Part-time). SOGES Faculty.
2000-2017	Lecturer (part time), Department of Economics and Finance, University of Wyoming
1993-2000	Lecturer, Department of Environmental Economics and Environmental Management, University of York, United Kingdom
1988-1993	Research Associate, London Environmental Economics Centre (LEEC) of the International Institute for Environment and Development (IIED) and University College, London

**1. BUSINESS EXPERIENCE/CONSULTANCIES**

STEPI Fellowship Grant (Barbier and Burgess). Innovative corporate initiatives to reduce environmental and climate risk. Science and Technology Policy Institute (STEPI). 2017.

CEDE (Barbier and Burgess) and Institute for Social and Economic Policy, Thailand (Sathirathai). Demographic and Economic Factors Determining Coastal Land Conversion into Commercial Shrimp Farms, Thailand, MacArthur Foundation. 1999-2001.

White, Burgess, and Harris. Costs and Benefits of Foxes in Britain. Royal Society for Prevention of Cruelty to Animals, 1999-2002.

Burgess, Perrings and Barbier. Environmental Audit of the University of York on behalf of the Policy and Resources Committee of the University of York. 1994-1995.

Barbier, Burgess and Folke. Consultancy Book, 'Paradise Lost? The Ecological Economics of Biodiversity', Biodiversity Programme, Beijer Institute, Royal Swedish Academy of Sciences. 1993-1994.

LEEC (Barbier, Burgess and Collins). Mexico - Forestry and Conservation Sector Review Sub-study of Economics Issues for Implementation of the New Forestry Policy, Latin American and Caribbean Department (LA2), World Bank, 1993.

LEEC (Barbier, Bishop, Aylward, Burgess). Economic Study of Tropical Forest Land Use Options, Phase I, UK Overseas Development Administration. 1992-1993.

LEEC (Barbier and Burgess). Advisory Economist, UN Environment Programme Biodiversity Country Study of Indonesia, UNEP, Directorate for Nature Management, Norway and Ministry of Population and Environment, Indonesia, 1992.

LEEC (Barbier, Burgess, Bishop, Aylward). Economic Study of the Linkages between the International Trade in Tropical Timber and the Sustainable Management of Tropical Forests, International Tropical Timber Organisation, ITTO Activity PCM(IX)/4. 1991-1993.

LEEC (Barbier, Bishop, Aylward, Burgess). Background Paper, Forest Sector Trade and the Environment, Organisation for Economic Cooperation and Development, 1991-1992.

LEEC (Burgess). Background Paper, Endangered Species Trade and the Environment, Organisation for Economic Cooperation and Development, 1991-1992.

LEEC (Barbier and Burgess). Background Report on Economics of Poverty and Environment Linkages, Institute of Development Studies.

CSERGE (Pearce) and LEEC (Barbier and Burgess). Chapter on Global Environmental Issues, UN Development Programme, Human Development Report 1992. 1991.

LEEC (Barbier and Burgess). Background Paper, Agricultural Pricing Policy and Natural Resource Management, World Bank, World Development Report 1992. 1991.

LEEC (Markandya, Barbier and Burgess). Report on Environmentally Sensitive Project Appraisal with Institute for Environmental Studies, Netherlands. 1991.

LEEC (Barbier and Burgess). Malawi - Economic Report on Environmental Policy, World Bank, 1990.

LEEC (Pearce, Barbier and Burgess). Study on Greenhouse Gas Substitution Options, Massachusetts Institute of Technology and Instituto San Paulo di Torino. 1990.

LEEC (Pearce, Markandya, Barbier and Burgess). Sudan Gum Arabic Rehabilitation Project, the Arab Fund for Economic and Social Development and the Government of Sudan. 1988-1990.

LEEC (Pearce, Barbier and Burgess). Economic Study of the International Trade in Elephant Ivory, World Wildlife Fund USA and New York Zoological Society (Wildlife Conservation International). 1988-1999.

Burgess. Economic Appraisal of Alternative Land Use Options, Okomu Forest Reserve, Nigeria. Sponsored by the UK Flora and Fauna Society. 1988.

Burgess. Economic Assessment of Forest Management in Karnataka, India. Sponsored by Liverpool City Council. 1987.

**CURRENT JOB DESCRIPTION**

Special Assistant Professor, Department of Economics, Colorado State University (Part-time).  
SOGES Faculty.

50% (1:1) Teaching                                      30% Research                                      20% Service, Outreach and Engagement

**RESEARCH INTERESTS**

Natural resource and environmental economics; economic development. Special interest in forest land use, wildlife trade, and planetary boundaries and sustainability.

**TEACHING INTERESTS**

Natural resource and environmental economics; economic development.

**TEACHING**

Since Fall, 2017, at Colorado State University

<u>Year</u>	<u>Semester</u>	<u>Course Number and Title</u>		<u>Enrollment</u>
2017	Fall	ECON 240:003	Issues in Environmental Economics	36
2018	Spring	ECON 240:002	Issues in Environmental Economics	40
2018	Fall	ECON 240:003	Issues in Environmental Economics	37

Prior to Fall, 2017 at University of Wyoming

<u>Year</u>	<u>Semester</u>	<u>Course Number and Title</u>		<u>Cr.Hrs.</u>	<u>Enrollment</u>
2001	Spring	ECON 2400	Economics of the Environment	3	-
2001	Fall	ECON 1010	Principles of Macroeconomics	3	-
2002	Spring	ECON 2400	Economics of the Environment	3	-
2002	Fall	ECON 4410	Natural Resource Economics	3	-
2012	Fall	ECON 2400	Economics of the Environment	3	18
2013	Fall	ECON 2400	Economics of the Environment	3	22
2014	Spring	ECON 4420/ ENR 4890	Economics Natural Resource Scarcity	3	20
2014	Fall	ECON 2400	Economics of the Environment	3	22
2015	Spring	ECON 2400	Economics of the Environment	3	20
2015	Fall	ECON 2400	Economics of the Environment	3	20
2016	Spring	ECON 4420/ ENR 4890	Economics Natural Resource Scarcity	3	20
2016	Fall	ECON 2400	Economics of the Environment	3	16

Prior to 2000, at the University of York:

<u>Courses Title:</u>	<u>Date taught:</u>	<u>Level of Degree:</u>
Resource Economics	1997/8 to 2000	MSc.
Environmental Appraisal Conservation and Management	1998/9 to 2000	MRes
Principals & Applications of Ecological Economics	1996/7	MSc
Environment Field Project	1993/4 to 2000	BSc (1st year)
Economic Valuation	1994/5 to 2000	BSc (1st year)
Environmental Appraisal	1993/4 to 2000	BSc (3rd year)
Environmental Management Project	1995/6 to 1997/8	BSc (2nd year)
Environmental Impact Assessment & Environmental Auditing	1995/6 to 1997/8	BSc (2nd year)
	1993/4 to 1994/5	BSc (2nd year)

### **Teaching Awards**

2015: Nominated for the Promoting Intellectual Engagement in the First Year (PIE) award at University of Wyoming. The PIE award recognizes faculty who inspire students intellectually in first-year courses and is sponsored by several programs within both academic and student affairs: the Ellbogen CTL, Center for Advising and Career Services, Residence Life and Dining, and the LeaRN Program.

## **2. PUBLICATIONS**

### **i. Refereed Journal Articles**

Barbier, E.B., J.C. Burgess and T.J. Dean. 2018. "Response – Conservation accord." *Science* 360 (6394): 1196-1197. DOI: 10.1126/science.aau1746

Barbier, E.B., J.C. Burgess and T.J. Dean. 2018. "How to pay for saving biodiversity." *Science* 360 (6388): 486-488. DOI: 10.1126/science.aar3454

Barbier, E.B. and J.C. Burgess. 2018. "Policies to support environmental risk management in investment decisions." *International Journal of Global Environmental Issue*. 17(2/3):117-129.

Barbier, E.B. and J.C. Burgess. 2017. "Innovative Corporate Initiatives to Reduce Climate Risk: Lessons from East Asia." *Sustainability*. 10(1): 13 doi:10.3390/su10010013 <http://www.mdpi.com/2071-1050/10/1/13>

Barbier, E.B. and J.C. Burgess. 2017. "Depletion of the global carbon budget: A user cost approach." *Environment and Development Economics* 22(6):658-673. <https://doi.org/10.1017/S1355770X17000055>

Barbier, E.B. and J.C. Burgess. 2017. "Natural Resource Economics, Planetary Boundaries and Strong Sustainability". *Sustainability*. 9(10): 1858. doi:10.3390/su9101858 <http://www.mdpi.com/2071-1050/9/10/1858>

Barbier, E.B. and J.C. Burgess. 2017. "The Sustainable Development Goals and the Systems Approach to Sustainability." *Economics* (2017-28):1–22. <http://dx.doi.org/10.5018/economics-ejournal.ja.2017-28>

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

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.

Burgess, J.C. and Ulph, D. 'Forest Land Conversion Over Time: Implications for the Faustmann Formula'. *Forest Science*, 47(4), 2001.

Smart, J.C.R. and Burgess, J.C. 'An Environmental Economic Analysis of Willow SRC Production', *Journal of Forest Economics*, 6(3): 193-226, 2000.

Barbier, E.B. and Burgess, J.C. (editors). 'Special Issue: Economic Analysis of Land Use Change in the Tropics'. *Land Economics*, 77, 2001.

Parks, P., Barbier, E.B., Burgess, J.C. 'The Economics of Tropical Forest Land Use in Temperate and Tropical Areas', *Environmental and Resource Economics*, Special Issue on Frontiers of Environmental and Resource Economics: Testing the Theories, 11(3-4): 473-487, 1988.

Barbier, E.B. and Burgess, J.C. 'Economic Analysis of Forest Land Use Options', *Land Economics*, 73(2): 174-195, 1997.

Barbier, E.B. and Burgess, J.C. 'Economic Analysis of Deforestation in Mexico', *Environment and Development Economics*, 1(2): 203-240, 1996.

Barbier, E.B., Bockstael, N., Burgess, J.C. and Strand, I. 'The Linkages Between the Timber Trade and Tropical Deforestation - Indonesia', *World Economy*, 18(3):411-442, 1995.

Burgess, J.C. 'Timber Production, Timber Trade and Tropical Deforestation'. *AMBIO*, 22(2-3): 136-143, 1993.

Barbier, E.B., Burgess, J.C. and Markandya, A. 'The Economics of Tropical Deforestation', *AMBIO*, 20(2):52-54, 1991.

Barbier, E.B. and Swanson, T.M. and Burgess, J.C. 'Ivory: The Case Against the Ban', *New Scientist*, 17 November: 52-54, 1990.

Burgess, J.C. 'The Contribution of Efficient Energy Pricing to Reducing Carbon Dioxide Emissions', *Energy Policy*, 18(5): 449-455, 1990.

Barbier, E.B. and Burgess, J.C. 'Milieu-Economic in Ontwikkelingslanden', *Economisch Statistische Berichten*, 13 September: 894-897, 1989.

## **(ii) Books**

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., Burgess, J.C., Swanson, T.M. and Pearce, D.W. 1990. *Elephants, Economics and Ivory*. Earthscan Publications, London, 154 pp.

## **(iii) Chapters in books**

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.

Burgess, J.C., Kennedy, C.J. and Mason, C. 2014. "On the Potential for Speculation to Threaten Biodiversity Loss." D. Helm and C. Hepburn (eds.). *Nature in the Balance: The Economics of Biodiversity*. Oxford University Press, Oxford and New York.

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.

Burgess, J.C. "The Timber Trade as a Cause of Tropical Deforestation", in Perrings, C., Maler, K-G, Folke, C., Holling, C.S. and Jansson, B-O. (eds). *Biodiversity Conservation: Policy Issues and Options*, Kluwer Academic Press, Amsterdam, 1995.

Burgess, J.C. "The Environmental Effects of Trade in Endangered Species", in Organization for Economic Cooperation and Development (OECD), *The Environmental Effects of Trade*, OECD, Paris, 1994.

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., 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.

Burgess, J.C. "Economics of the Trade in Endangered Species", in H. Giersch (ed.), *Economic Progress and Environmental Concerns*, Springer-Verlag Press, Berlin, 1992.

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.

Barnes, J., Burgess, J.C. and Pearce, D.W. "Wildlife Tourism", in Swanson, T. and Barbier, E. (eds.), *Economics for the Wilds: Wildlife, Wildlands, Diversity and Development*, Earthscan Publications, London, 1992.

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.

#### **(iv) Refereed Proceedings/Transactions/Commentaries/Working Papers:**

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

Barbier, E.B. and J.C. Burgess. 2017. "The Sustainable Development Goals and the systems approach to sustainability." Discussion Paper No. 2017-28. The Kiel Institute of World Economy, June 8, 2017.  
<http://www.economics-ejournal.org/economics/discussionpapers/2017-28>

Editor (with E.B. Barbier, *Special Issue on the Economics of Tropical Deforestation and Land Use, Land Economics*, 77(2), May 2001.

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.

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.

#### **(v) Books reviews and short articles**

Burgess, J.C. 'Book Review: Shadows in the Forest - Japan and the Politics of Timber in Southeast Asia'. *Ecological Economics*, 29:171-175, 1999.

Burgess, J.C. 'Book Review: Economic Values and the Environment in the Developing World' and 'Book Review: Pricing the Planet - Economic Analysis for Sustainable Development', *Environmental Conservation*, 25(1): 88-89, 1998.

Burgess, J.C. 'Book Review: A Guide to Local Environmental Auditing', *International Journal of Environmental Studies*, 53(1-2): 124-126, 1997.

Burgess, J.C. 'Book Review: Livestock and Deforestation in C. America in the 1980s and 1990s', *Commonwealth Forestry Review*, 76(3): 211-212, 1997.

Burgess, J.C. 'Book Review: Valuing Climate Change: The Economics of the Greenhouse', *International Journal of Environmental Studies*, 49(3-4): 293-294, 1996.

Burgess, J.C. 'Book Review: Earthscan Reader in Tropical Forestry', *Ecological Economics*, 13: 141-142, 1995.

Burgess, J.C. 'Book Review: Economic Value of Biodiversity', in *Global Ecology and Biogeography Letters*, 1995.

Burgess, J.C. 'Book Review: Economic Incentives and Environmental Policies - Principles and Practices', in *Urban Studies*, 1995.

#### **(vi) Non-refereed conference papers, reports and working paper contributions**

Barbier, E.B. and J.C. Burgess. 2018. "Scarcity and safe operating spaces: the example of natural forests." Presented at the World Congress of Environmental and Resource Economists", Gothenburg, Sweden, June 2018.

Barbier, E.B. and J.C. Burgess. 2017. "Depletion of the global carbon budget: A user cost approach." Presented at the Annual Conference of the European Association of Environmental and Resource Economists (EAERE), June, Athens, Greece, 2017.

Burgess, J.C. 'Tropical Forest Conversion with Changing Prices'. Presented at the Tenth Annual Conference of the European Association of Environmental and Resource Economists (EAERE), June, Crete, Greece, 2000.

Burgess, J.C. 'Economics of Tropical Forest Land Use'. Ph.D Thesis, Economics Department, University College London, University of London, 2000.

Burgess, J.C. 'Implications of the Faustmann Formula of Forest Land Use Conversion over Time'. Presented at the International Symposium: 150 Years of the Faustmann Formula - The Consequences for Forestry and Economics in the Past, Present and Future, October 3-6, Darmstadt, Germany, 1999.

Burgess, J.C. and Barbier, E.B. 'Application and Extension of Faustmann Formula: Tropical Deforestation, Tenure Insecurity and Unsustainability'. Presented at the International Symposium: 150 Years of the Faustmann Formula - The Consequences for Forestry and Economics in the Past, Present and Future, October 3-6, Darmstadt, Germany, 1999.

Smart, J. and Burgess, J.C. 'Application of the Faustmann Formula to Short Rotation Coppice for Timber Biomass Production in the UK'. Presented at the International Symposium: 150 Years of the Faustmann Formula - The Consequences for Forestry and Economics in the Past, Present and Future, October 3-6, Darmstadt, Germany, 1999.

Burgess, J.C. and Barbier, E.B. 'Tenure Insecurity and Tropical Deforestation'. Presented at the Ninth Annual Conference of the European Association of Environmental and Resource Economists (EAERE), 25-27 June, Oslo, Norway, 1999.

Burgess, J.C. and Barbier, E.B. 'Tropical deforestation, Migration and Technological Change in Frontier Agriculture'. Accepted for presentation at CIFOR Workshop at CATIE, Turrialba, Costa Rica 11-13 March 1999.

Barbier, E.B. and Burgess, J.C. 'The Influence of Technological Change in Agriculture on Forest Conversion: A Case Study of Mexico'. Accepted for presentation at CIFOR Workshop at CATIE, Turrialba, Costa Rica 11-13 March 1999.

Burgess, J.C. 'Tenure Insecurity, Unsustainability and Tropical Deforestation', paper presented at Wye College, University of London, November 1998.

Burgess, J.C. and Barbier, E.B. "Tenure Security, Trade Induced Price Change and Tropical Forest Conversion", in proceedings to a Workshop on 'Trade, Tenure and Conflicts', January 1998, EPOS, Research Programme on Environmental Policy and Society, Institute of Tema Research, Linkoping University, Sweden, 1998.

Burgess, J.C. 1998. "Economics of Forest Land Conversion and Fragmentation", paper presented at the World Congress of Environmental and Resource Economists, Venice, Italy, Isola di San Giorgio, June 25-27, 1998.

Burgess, J.C. "Economics of Tropical Forest Land Use: Lessons Learned for Wetlands", paper presented at the Workshop on The Integration of Economics and Ecological Principles for Sustainable Management of Coastal Resources in Thailand, supported by the National Research Council of Thailand and the British Council, 29 July - 1 August, 1998.

Barbier, E.B. and Burgess, J.C. "Economic Analysis of Deforestation in Mexico", EEEM Discussion Paper 94-06, Department of Environmental Economics and Environmental Management, University of York, 1994.

Barbier, E.B. and Burgess, J.C. "Timber Trade and Tropical Deforestation: Global Trends and Evidence from Indonesia". EEEM Discussion Paper 93-10, Department of Environmental Economics and Environmental management, University of York, 1993.

Barbier, E.B., Bockstael, N., Burgess, J.C. and Strand, I. "The Timber Trade and Tropical Deforestation in Indonesia". LEEC Discussion Paper 93-01, London Environmental Economics Centre, UK, 1993.



Burgess, J.C. "The Timber Trade as a Cause of Tropical Deforestation", paper prepared for the Beijer Biodiversity Programme Workshop, the Beijer Institute for Ecological Economics of the Swedish Royal Academy of Sciences, Stockholm, 29-31 July 1992.

Burgess, J.C. "Economics of the Causes of Tropical Deforestation", South-North Centre, Proceedings to the Conference on Present Responsibilities for Tomorrow's World, 1992.

Burgess, J.C. "Economic Analysis of the Causes of Tropical Deforestation", LEEC Discussion Paper 92-03, London Environmental Economics Centre, UK, 1992.

Burgess, J.C. "Impact of Wildlife Trade on Endangered Species", LEEC Discussion Paper 92-02, London Environmental Economics Centre, UK, 1992.

Barbier, E.B., Burgess, J.C., Aylward, B.A., Bishop. "The Timber Trade, Trade Policies and Environmental Degradation", LEEC Discussion Paper 92-01, London Environmental Economics Centre, 1992.

Burgess, J.C. "Economic Analysis of Frontier Agriculture Expansion and Tropical Deforestation", Dissertation submitted in part-fulfilment of the M.Sc. in Environmental and Resource Economics, University College London, University of London, June 1991.

Buchner, G., Burgess, J., Drake, V., Gameson, T. and Hanrahan, D. "Gender, Environmental Degradation and Development: The Extent of The Problem", LEEC Discussion Paper 91-04, London Environmental Economics Centre, UK, 1991.

Barbier, E.B., Burgess, J.C. and Pearce, D.W. "Slowing Global Warming: Options for Greenhouse Gas Substitutions", LEEC Discussion Paper 90-05, London Environmental Economics Centre, UK, 1990.

Burgess, J.C. "Efficient Energy Pricing and Carbon Dioxide Emissions", Surrey Energy Economics Centre Discussion Paper (SEEDS 54), 1990.

Pearce, D.W. and Burgess, J.C. "Estimating Smuggled Trade in Gum Arabic", Gum Arabic Rehabilitation Project Working Paper 89-01. London Environmental Economics Centre, UK, 1989.

Burgess, J.C. "Forest Management in Karnataka, India", Dissertation Submitted for B.Sc. in Economics, University College London, University of London, June, 1988.

Burgess, J.C. "The Economics of Controlling Trade in Endangered Species: The African Elephant", LEEC Gatekeeper Series 89-04, London Environmental Economics Centre, UK, 1989.

Barbier, E.B. and Burgess, J.C. "Economics of the Ivory Trade: Issues and Options", AFTEN Technical Note No. 6, World Bank, 1989.

Barbier, E.B. and Burgess, J.C. "The Demand for African Elephant Ivory", LEEC Discussion Paper 89-05, London Environmental Economics Centre, UK, 1989.

#### **(vii) Research Reports**

Burgess, J.C., Perrings, C.P., Barbier, E.B. "Environmental Audit of The University of York". Report prepared for Policy and Resources Committee of the University of York, 1995.

Barbier, E.B., Burgess, J.C. Collins, M. and Clancy, C. "Mexico - Forestry and Conservation Sector Review: Sub-study of Economic Issues for Implementing the New Forestry Policy", prepared for the Latin American and Caribbean Country Department (LA2), The World Bank, October 1993.

Barbier, E.B., Bishop, J., Aylward, B. and Burgess, J.C. "The Economics of Tropical Forest Land Use Options: Methodology and Valuation Techniques". Report prepared for the Natural Resource and Environment Department, UK Overseas Development Administration, December 1992.

Barbier, E.B., Burgess, J.C., Bishop, J.T., Aylward, B.A. and Bann, C. "The Economic Linkages between the International Trade in Tropical Timber and the Sustainable Management of Tropical Forests", Final Report prepared for the International Tropical Timber Organisation, 1992.

Barbier, E.B., Bishop, J., Aylward, B. and Burgess, J.C. "Economic Analysis of Tropical Forest Land Use Options: A Preliminary Review of the Literature". Report prepared for the Natural Resource and Environment Department, UK Overseas Development Administration, August 1992.

Pearce, D.W., Barbier, E.B., Bishop, J.T., Burgess, J.C., Ioannou, M., Georgiou, S. and Atkinson, G. "Environment and Sustainable Human Development", Chapter for *UNDP Human Development Report 1992*, The World Bank, Washington DC, 1991

Barbier, E.B., Burgess, J.C. and Aylward, B.A. "The Economics of Poverty and Environment Linkages", Background Report prepared for the Institute of Development Studies, UK, 1991.

Barbier, E.B., Burgess, J.C., Aylward, B.A. and Bishop, J.T. "Environmental Effects of Trade in the Forestry Sector", Paper prepared for the Joint Session of Trade and Environment Experts, OECD, 1991.

Burgess, J.C. "Environmental Effects of Trade on Endangered Species", Paper prepared for the Joint Session of Trade and Environment Experts, OECD, 1991.

Barbier, E.B. and Burgess, J.C. "Agricultural Pricing and Environmental Degradation", Background Paper, *World Development Report 1992*, The World Bank, Washington DC, 1991.

LEEC and Institute for Environmental Studies (Netherlands), "Environmentally Sensitive Project Appraisal", 1991.

Barbier, E.B. and Burgess, J.C. "Malawi - Land Degradation in Agriculture", World Bank, Washington DC, 1990.

Barbier, E.B., Burgess, J.C. and Pearce, D.W. "Technical Substitution Options for Controlling Greenhouse Gas Emissions", Massachusetts Institute of Technology and Instituto San Paolo di Torino, 1990.

LEEC and Institute of Environmental Studies "Gum Arabic Rehabilitation in the Republic of Sudan, Stage 1 Report", Report to the Government of Sudan, Khartoum, 1989.

LEEC and the Ivory Trade Review Group, "The Ivory Trade and the Future of the African Elephant, Interim Report", Prepared for the Second Meeting of the CITES African Elephant Working Group, Gaborone, Botswana, 1989.

Burgess, J.C. "Economic Appraisal of Land Uses in Okomu Forest Reserve, Nigeria", Report Submitted to the UK Flora and Fauna Society, 1990.

## ii. RESEARCH STUDENTS

### (i) Supervision

Rebecca Moberely (joint supervision with P. White): 1999-2000, 'Costs and Benefits of Foxes in Britain'. Royal Society for Prevention of Cruelty to Animals, 1999-2002.

MPhil/DPhil Thesis Advisory Committee of 5 Environment Department students. Supervised the research dissertations of approximately 5-7 MSc students, 2-3 M.Res students, and 4 BSc students each year whilst at the Environment Department, University of York.

### iii. **SHORT COURSES**

Lecture on Economics of Natural Resource Use, LEAD - Europe (Leadership for Environment and Development), Geneva, November 1996

Lectures on Economics of Natural Resource Use (Forestry and Wildlife Trade), Ecological Economics in Tropical Coastal Ecosystems, University of Campeche, Mexico, 1992.

### iv. **ADMINISTRATION AND MANAGEMENT**

#### 1. **Departmental Administrative Posts**

**Undergraduate Program Committee**, Economics Department, Colorado State University. (Fall, 2017-). Undergraduate Program design, implementation, and support.

**Graduate Instructor Mentor**, Economics Department, Colorado State University. (Fall, 2017-). Syllabi, class observations, annual evaluations, teaching mentor.

**Environment Department Board of Studies, Environment Department Examinations Board, Environment Department Research Committee** (1993/4 to 2000). All members of academic staff in the Environment Department serve on the two Boards and attend the committee meetings.

**Environment-Biology Joint Executive Committee** (1997/8 to 2000). Elected to serve on this committee, which is concerned with the management of joint degrees between Biology and Environment Department.

**Environment Department Safety Committee** (1996/7 to 2000). Elected to serve on this committee, which is concerned with the development and implementation of the Department's health and safety policy.

**BSc in Environmental Economics and Environmental Management (EEEM) Coordinator** (1997/8 to present). Coordinating the Environment Department's BSc Course, including annual course review and course development, maintaining the undergraduate handbook and the module options booklets, organising IIIrd year projects, and day-to-day point of contact for general undergraduate issues. The three year BSc in EEEM admits 25 students each academic year, and is projected to increase to 30-40 students in the next few years.

**Pastoral Supervisor** (1993/4 to 2000t). Supervise 6-7 undergraduate students and 2-3 MSc students each year. Other Departmental administrative positions previously held include **Organiser, Environment Department Seminar Series** (1993/4 to 1997/8), **Secretary, EEEM Board of Studies** (1993/4-1995/6), **Diploma in EEEM Coordinator** (1994/5-1996/7), **Environment Department Placements Committee** (1993/4-1995/6)

#### 2. **University Administrative Posts**

**York University Library Committee Member** (1993/4 to 1997/8). This involved attending the committee meetings, developing an Environmental Department Library Policy, establishing a systematic approach to ordering library purchases, and managing the Departmental library budget.

#### 3. **External Administrative Posts**

Scientific Committee Member, 2018, 5th Annual Conference in Economics of Natural Resources and the Environmental in Volos, Greece.

Last edited: **8/23/2018 2:12 pm**