Contributors

Ben Beardmore, School of Resource and Environmental Management, Simon Fraser University, Burnaby, British Columbia, Canada.

Ben Beardmore is a PhD student at the School of Resource and Environmental Management at Simon Fraser University in Vancouver, Canada. He is currently modelling the choice behaviour of recreational anglers in Germany, based on a revealed preference data set from a one-year diary, supplemented with an individualized stated choice survey of the same anglers. In addition, he has been research assistant on numerous projects with his supervisor Wolfgang Haider.

Nesha Beharry-Borg, Sustainability Research Institute, University of Leeds, Leeds, UK.

Nesha Beharry is a Postdoctoral Research Fellow in the Sustainability Research Institute (SRI) at the University of Leeds. She is an environmental economist with interests in non-market valuation, socio-economic modelling of biophysical systems and climate change adaptation. She holds a PhD in Environmental Economics and Management from The University of York. Her PhD research involved the use of choice experiments to estimate the economic benefits of quality changes in coastal water quality in the Caribbean. She also has professional experience working as an environmental consultant in Trinidad implementing local environmental projects such as environmental impact assessments and regulatory compliance audits.

Jeff Bennett, Crawford School of Economics and Government, The Australian National University, Canberra, Australia.

Jeff Bennett is Professor and Director of the Environmental Economics Research Hub in the Crawford School of Economics and Government at the Australian National University. He has 30 years' experience as a teacher, researcher and consultant in the fields of Environmental Economics, Natural Resource Economics, Agricultural Economics and Applied Micro-Economics. He is a member of the Mont Pelerin Society, a member of the Academic Advisory Board of the Centre for Independent Studies, a co-editor of the Australian Journal of Agricultural and Resource Economics, a member of the editorial board of the Australian Journal of Environmental Management, was President of the Australian Agricultural and Resource Economics Society in 2004 and a pro-bono Director of Wetland Care Australia, 2000–04.
Rabindra N. Bhattacharya, Centre for Studies in Social Sciences, Kolkata, India.
Rabindra Nath Bhattacharya is an Honorary Visiting Fellow, Center for Studies in Social Sciences, Calcutta and an Honorary Associate of the DRS-Programme, Economics Department, Calcutta University. His area focuses on natural resource and environmental economics, economic theory, applied econometrics and development economics. He served as a faculty member in Visva Bharati, Jadavpur University, Kalyani University, University of North Bengal, West Bengal, India. From 1984 to 1986 he was in the Department of Economics, Utah State University, USA. He had also served as a resource person in refreshers’ courses for college and university teachers and also for SANDEE-sponsored Faculty/Researchers Upgradation Programme in Environmental Economics. He obtained his PhD degree from Utah State University, USA in natural resource and environmental economics and his MA in economics from Jadavpur University, India.

Ekin Birol, Markets, Trade and Institutions Division, International Food Policy Research Institute, Washington DC, USA.
Ekin Birol is a Research Fellow at the Markets, Trade, and Institutions Division of the International Food Policy Research Institute (IFPRI), Washington DC, USA. Her current research focuses on food and water safety in developing countries. From 2004 to 2007 Ekin was a Post-doctoral Research Fellow at the University of Cambridge, where she conducted research on the development and application of economic methodology to inform efficient and equitable policies for sustainable management of genetic and water resources in several countries at different stages of economic development. She worked as a consultant for IFPRI from 2004 to 2005 and for the Bioversity International, Rome, Italy, from 2001 to 2004. She also worked as a Research Fellow at the Centre for Social and Economic Research on the Global Environment, University College London, UK, from 2000 to 2004, and as an affiliated lecturer at the Department of Economics, University of Reading, UK, from 2004 to 2005. Ekin obtained a PhD in economics with a concentration in agricultural, environmental and natural resource economics, an MPhil in economics with a concentration in econometrics and development economics, and an MSc in environmental and resource economics, all from University College London, UK.

Roy Brouwer, Institute for Environmental Studies, Vrije Universiteit Amsterdam, The Netherlands.
Dr Roy Brouwer is Associate Professor in the Institute for Environmental Studies, Department of Environmental Economics, VU University Amsterdam. He holds a PhD in environmental economics from the University of East Anglia in the UK. He is specialized in economic valuation methods, in particular
the role of risk and uncertainty in behavioural models of decision-making, for instance in the context of climate change vulnerability and adaptation in developing and developed countries.

**Fredrik Carlsson**, Department of Economics, University of Gothenburg, Sweden
Fredrik Carlsson is Professor in Economics at the Department of Economics, University of Gothenburg. His fields of interests are environmental economics, stated preference methods, and behavioural economics. His recent work focuses on behavioural aspects of things such as charitable giving, green consumerism, and stated preference surveys.

**Sukanya Das**, Madras School of Economics, Chennai, India.
Sukanya Das has been a Lecturer at the Madras School of Economics, Chennai, India since June 2008. Her current research focuses on environmental problems such as waste management and trade and environment related issues. She teaches at the post-graduate level and is also involved in projects relating to trade and environment-related issues. Sukanya submitted her PhD thesis in the field of environmental economics to Jadavpur University, India in 2008 and prior to that obtained her MPhil in economics from the University of Kalyani, India in 2003 and an MSc in economics from Calcutta University, India.

**Katharina Deffner**, Institute for Agricultural Policy and Market Research, Justus-Liebig-University, Giessen, Germany.
Katharina Deffner is currently finishing her MSc in Food Economics from Justus-Liebig-University, Giessen, Germany and Corvinus University, Budapest, Hungary. During her bachelor studies in Nutritional Science she worked as a student assistant at the Institute of Rural Sociology and Extension, Justus-Liebig-University. She wrote her master’s thesis at the Markets, Trade and Institutions Division, International Food Policy Research Institute, Washington DC, USA.

Ali Dehlavi is an environmental and resource economist. Before joining WWF, he served with the United Nations Conference on Trade and Development (UNCTAD), the International Centre for Trade and Sustainable Development (ICTSD), and the United Nations Environment Programme (UNEP) in Geneva and the United Nations Educational, Social and Cultural Organization (UNESCO) in Paris. In Pakistan, he has worked with the Sustainable Development Policy Institute (SDPI), with GlaxoSmithKline (GSK), and has served as Director of the Pakistan Centre for Trade and Sustainable Development (PCTSD), and as Vice President and Economist, Credit Policy
Group, Habib Bank Limited (HBL). His consultancy work includes outputs for the World Bank and the governments of South Africa and Pakistan. Ali Dehlavi is a member of IUCN’s Commission on Environmental Economics and Social Policy (CEESP). He has written a number of publications on environmental economics and trade. He holds an MSc in Environmental and Resource Economics from University College London (UCL), and a mid-career diploma in Environmental Economics and Policy Analysis (Analytical Methods Track) from Harvard University.

Thang Nam Do, Institute of Science for Environmental Management, Vietnam Environment Administration, Ministry of Natural Resources and Environment, Vietnam.

Dr Thang Nam Do is a team leader of water and the environment studies, Institute of Science for Environmental Management, Vietnam Environmental Protection Agency. His tasks include developing and reviewing policy instruments for water environment protection of large river basins in Vietnam and advising on various environmental management issues. His research interests include environmental valuation in a developing country context, valuation of environment-related health damage, corporate social responsibility and climate change adaptation. Thang Do obtained a PhD and masters degrees in environmental management and development from the Australian National University and environmental engineering from the British Columbia Institute of Technology, Canada.

José Falck-Zepeda, Environment, Production and Technology Division, International Food Policy Research Institute, Washington DC, USA.

Dr José Falck-Zepeda is a Research Fellow at the International Food Policy Research Institute. He has a PhD and MSc in Agricultural Economics from Auburn University, a BSc in Animal Science from Texas A&M University, and an Agronomy degree from the Panamerican Agricultural School (Zamorano) in Honduras. Dr Falck-Zepeda’s research concentrates on the areas of economic impact and the distribution of benefits of biotechnologies, R&D and innovation capacity, the roles of public and private sectors in technology generation, and the economics of biosafety regulations and genetic resources. José is a Fulbright scholar and a Central American Peace Scholarship recipient.

Ben Groom, Department of Economics, School of Oriental and African Studies, London, UK.

Ben Groom is a Senior Lecturer at SOAS. His PhD in Economics, from the Department of Economics at University College London, focused on two themes in environmental and resource economics: social discounting for intergenerational projects, and Payments for Environmental Services (PES).
He has published theoretical and applied work in both of these areas with applications focusing on climate change (discounting) and the Sloping Lands Conversion Programme in China (PES). He has also worked in environmental policy in developing and post-conflict countries and has experience in Southern Africa, Kosovo, Pakistan and China. Most recently he has assisted in the preparation of China’s 50-year macro-environmental strategy, focusing on water resource management.

Pauline Grosjean, Department of Agricultural & Resource Economics, University of California at Berkeley and University of San Francisco, USA.
Pauline Grosjean is a Ciriacy-Wantrup Postdoctoral Fellow at the Department of Agricultural & Resource Economics, University of California at Berkeley and an Assistant Professor at the University of San Francisco. She holds a PhD in Economics from Toulouse School of Economics (France). Her research interests lie in the economics of institutions, development and transition economics and environmental economics. She has experience with survey design and analysis and the development of original survey instruments in China and transitioning economies of the former Soviet Union.

Lokugam Gunaratne, Department of Agricultural Economics and Business Management, University of Peradeniya, Kandy, Sri Lanka.
Dr L.H.P. Gunaratne is Senior Lecturer in the Department of Agricultural Economics and Business Management, University of Peradeniya, Sri Lanka. He also serves as the Secretary of the Board of Study in Agricultural Economics at the Postgraduate Institute of Agriculture. He has been actively involved in Natural Resource and Environmental Economics research in Sri Lanka for the last 12 years after obtaining his PhD from the University of Hawaii at Manoa, US.

Wolfgang Haider, School of Resource and Environmental Management, Simon Fraser University, Burnaby, British Columbia, Canada.
Dr Wolfgang Haider is Associate Professor at the School of Resource and Environmental Management at Simon Fraser University in Vancouver, Canada. He is interested in social science survey methods, quantitative analysis and trade-off modelling, as they relate to decision-making in resource management. Most of his work focuses on protected areas management, outdoor recreation and recreational fishing, resource-based tourism, land use planning, landscape perception and risk perception.

Carlos Huenchuleo, Faculty of Agricultural Sciences at Georg-August University of Göttingen, Germany.
Carlos Huenchuleo is a PhD student at the Faculty of Agricultural Sciences at Georg-August University of Göttingen, Germany. Currently, he is focused
on the study of property rights and people's preferences for water quality improvements in Chile. Moreover, he has been working on ecosystem service valuation of forests and social psychology predictors for soil conservation in Central Chile. These activities have been developed jointly with the Department of Agricultural Economics at University of Talca, Chile.

**Bhushana Karandikar**, Independent Consultant, Mumbai, India.
Bhushana Karandikar is an economist from Mumbai, India. She is currently working with the MAHAGRAPES cooperative, which links Indian farmers to high-value export markets in Europe. Her research areas of interest include international trade, especially agricultural marketing; banking and agriculture and public–private partnerships. Formerly she was a senior level civil servant in Maharashtra state, working on various issues pertaining to taxes.

Babar Naseem Khan is a Development Economist with a specialization in Environment and Development from the London School of Economics and Political Science, UK. As Head of Programme Development for WWF Pakistan, he has developed and secured various projects operationalizing the poverty–environment nexus in order to facilitate sustainable resource management for improved livelihoods all over Pakistan. He has been the propagator of tools such as economic valuation, incentive-based conservation (Payments for Environmental Services schemes), and public–private partnerships as policy tools for sustainable development and poverty reduction in remote and underdeveloped, ecologically significant areas. He has co-authored numerous reports highlighting how variable socio-economic dynamics affect resource use practices, with or without a project-specific intervention. He is currently seconded to WWF International as the Lead Partnership Facilitator for the Asian Development Bank, based in Manila.

**Enoch Kikulwe**, University of Wageningen, The Netherlands.
Enoch Kikulwe is a PhD student at the Environmental Economics and Natural Resources Group, Social Science Department, Wageningen University. His research focuses on biotechnology and biosafety, examining potential social welfare impacts of introducing a genetically modified banana in Uganda. The study applies, first, a real option approach to estimate, ex ante, the incremental benefits and costs, and second, a choice experiment approach to assess the consumer preferences for a genetically modified banana. Earlier, Enoch worked on several socioeconomic research projects at the National Banana Research Program of the National Agricultural Research Organization in Uganda.
Gunnar Köhlin, Department of Economics, University of Gothenburg, Sweden.
Dr Gunnar Köhlin is Associate Professor in Environmental and Development Economics at the Department of Economics at the University of Gothenburg. He is the Director of the Environment for Development initiative supporting six environmental economics centres in developing countries as well as the coordinator of an MSc program in Environmental Management and Economics at the School of Business, Economics and Law. His major research areas are environmental valuation and natural resource management in developing countries, primarily East Africa and India.

Andreas Kontoleon, Department of Land Economy, University of Cambridge, UK.
Dr Andreas Kontoleon is a lecturer (Assistant Professor) in Environmental Economics at the Department of Land Economy at the University of Cambridge. He is also the Director of the MPhil Degree in Environmental Policy at Cambridge University. He holds a PhD in Economics from UCL and an MPhil in Economics from the University of Cambridge. He has published numerous articles and books in the areas of micro-econometrics, welfare economics, environmental regulation, biodiversity economics and development economics. Further, he has worked on numerous environmental policy research projects in China. Recently he has been advising the Chinese government on China’s 50-year macro-environmental strategy.

Yiannis Kountouris, Athens University of Economics and Business, Greece.
Yiannis Kountouris is a PhD student at the Department of International and European Economic Studies in the Athens University of Economics and Business, Athens, Greece. His current research focuses on the valuation of environmental resources in Europe accounting for public trust in institutions. He has worked extensively on the valuation of water resources. He has also been involved in a number of EU-funded projects.

Alemu Mekonnen, Department of Economics, Addis Ababa University, Ethiopia and Environmental Economics Policy Forum for Ethiopia.
Alemu Mekonnen is an Assistant Professor at the Department of Economics of the Addis Ababa University, Addis Ababa, Ethiopia. He is also a research fellow at the Environmental Economics Policy Forum for Ethiopia. He holds a PhD degree in economics from the University of Gothenburg, Sweden. He has taught various graduate and undergraduate courses including environmental and natural resource economics. His research focuses on household behaviour in relation to forestry and energy, poverty and the environment and valuation of natural resources.
Ou Ratanak, Laboratory of Environmental Life Economics, Department of International Agricultural Resource Economics & Business Administration, Kyushu University, Japan.
Ou Ratanak has worked as Rattan Project Manager at WWF and he has also been a Technical Officer at the Ministry of Environment, General Department of Administration and Nature Conservation and Protection since 1998. He obtained a Master’s degree from Kyushu University (Japan) in Agricultural Economics and a BSc from the Royal University of Agriculture in Forest Science (Cambodia). His main interests are wildlife conservation, ecotourism, and Non-timber Forest Products.

Devesh Roy, Markets, Trade and Institutions Division, International Food Policy Research Institute, Washington DC, USA.
Devesh Roy is a Research Fellow at the Markets Trade and Institutions Division at the International Food Policy Research Institute. Prior to joining IFPRI he completed his PhD in Economics from the University of Maryland, College Park. His thesis focused on the issue of Product Standards in International Trade. At IFPRI he has worked on international trade issues, especially with regard to the impact of trade liberalization on food security. Currently, his research is focused on food safety issues in developing countries both in export markets of developed countries as well as within the domestic markets of developing countries.

Eric Ruto, School of Agriculture, Food and Rural Development, Newcastle University, Newcastle upon Tyne, UK.
Eric Ruto holds a PhD in Agricultural Economics from Newcastle University, UK. His research interests span agricultural and environmental economics with a focus on the development and application of economic valuation methods for project or policy appraisal. The chapter in this book is based on his PhD research which investigated the application of revealed and stated preference methods to valuing animal genetic resources in developing countries. Eric is currently Lecturer at the School of Agriculture, Food and Rural Development, Newcastle University, UK. Previously, he served as Livestock Production Officer at the Ministry of Agriculture, Nairobi, Kenya and as Research Officer at the Kenya Agricultural Research Institute.

Riccardo Scarpa, Department of Economics, University of Waikato, Hamilton, New Zealand.
Riccardo Scarpa is Professor of Environmental Economics and is interested in the micro-econometrics of nonmarket valuation. He has co-authored nearly one hundred research papers and has a very varied research portfolio with several
international projects. He has worked as a consultant for firms, governments and international organizations.

**Girma G. Selassie**, Commercial Bank of Ethiopia, Research Officer, Addis Ababa, Ethiopia.

Girma Selassie has been a Research Officer at the Commercial Bank of Ethiopia since 2003. His Masters degree is from Addis Ababa University (Ethiopia) in Resource and Environmental Economics and he holds a BA from the same university in Economics. His research interests include natural resources management, development and conservation, ecotourism, project management and appraisal.


Amna Shahab is an environmental economist. She has been involved in a number of research studies which vary from economic valuation of ecosystems to socioeconomic impact studies. Her research interests lie in developing poverty reduction schemes for communities in remote areas with a focus on the Poverty–Environment Nexus. Before joining WWF, she worked with the Environmental Economics Programme of IUCN – Pakistan. She holds an MSc in Environmental Economics from Imperial College, London.

**Melinda Smale**, OXFAM America, Washington DC, USA.

Melinda Smale joined Oxfam America in 2008 as Researcher, Agriculture and Trade. From 2002, as a Senior Research Fellow at the International Food Policy Research Institute (IFPRI), she led a global research programme aimed at promoting the sustainable utilization of crop genetic resources in developing agriculture, initially as a joint programme with Bioversity International in Rome, Italy. Her research addressed the impacts of biotech crops, agricultural biodiversity, local seed markets and underutilized crops. From 1989 to 2000 in Malawi and later in Mexico, she analysed the adoption and impacts of improved wheat and maize seed as an economist for the International Maize and Wheat Improvement Center (CIMMYT). During the 1980s, Melinda worked in Pakistan, Somalia, Mauritania and Niger on short-term assignments for CIMMYT, Chemonics International, Volunteers in Technical Assistance (VITA), and USAID. Melinda earned her PhD in Agricultural Economics from the University of Maryland, College Park, in 1992, her MSc in Agricultural Economics from the University of Wisconsin, Madison, in 1983, an MA in International Studies (Africa Area) at the Johns Hopkins School of Advanced International Studies in 1979, and a BA in History/French at Duke University in 1977. She is an Honorary Fellow with Bioversity International, serving on the Advisory Committee of the Collaborative Crops Research Program of the McKnight Foundation and on editorial committees of several journals.
Choice experiments in developing countries

**Pablo Villalobos**, Department of Agricultural Economics, Faculty of Agriculture Science, Universidad de Talca, Chile.

Pablo Villalobos is an agricultural economist. At present, he is a lecturer (Assistant Professor) in Environmental Economics and Management of Quality Food Systems at the Department of Agricultural Economics, Faculty of Agricultural Sciences, University of Talca, Chile. He holds an MSc Agr and Dr degree in Environmental and Resources Economics from the Georg-August University of Göttingen, Germany. He has been a consultant of FAO and IICA in matters of agricultural policies and environmental management. He has advised numerous environmental policy projects in Chile and other Latin American countries through the Chilean Agency of International Cooperation. For two years, he was responsible for the Technical Management of the cabinet of the Chilean Minister of Agriculture. He is the author and editor of more than 20 technical publications in national and international journals. In Chile, he has been one of the principal researchers in the field of economic valuation of amenities and environmental services.


Xuehong Wang is currently a Postdoctoral Fellow in the Crawford School of Economics and Government at The Australian National University and Senior Program Manager at the Secretariat for the Asia-Pacific Network for Sustainable Forest Management and Rehabilitation based in China. She is specialized in non-market valuation, the use of market-based instruments and institutional analysis of environmental and natural resource management. Her current research focuses on the use of bidding schemes to allocate government ecological funds in China and forest policy issues in the Asia-Pacific region.

**Justus Wesseler**, University of Wageningen, The Netherlands.

Dr Justus Wesseler is Associate Professor in the Environmental Economics and Natural Resources Group, Social Science Department, Wageningen University. He holds a PhD in the field of agricultural, environmental and natural resource economics from the Georg-August University Göttingen in Germany. He is specialized in decision-making under irreversibility and uncertainty, for instance in the context of transgenic crops and natural resource management.

**Chen Xie**, China National Forestry Economics and Development Research Center, State Forestry Administration, China.

Chen Xie is a Senior Researcher and Division Director of the China National Forestry Economics and Development Research Center. Chen Xie specializes
in rural forestry development, forestry policy assessment and monitoring, and natural resources economics.

Mitsuyasu Yabe, Laboratory of Environmental Life Economics, Department of International Agricultural Resource Economics & Business Administration, Kyushu University, Japan.

Mitsuyasu Yabe is an Associate Professor at the Department of Agricultural and Resource Economics at Kyushu University in Japan. He received his PhD degree in Agricultural Economics from Kyoto University. His areas of expertise are agricultural economics and environmental economics. He has been involved in a variety of research activities in the evaluation of externalities from agricultural production, water resource conservation, food safety, bio-fuel and bio-mass policy, and the economics of genetically modified foods.

Mahmud Yesuf, Department of Economics, Addis Ababa University, Ethiopia and Environmental Economics Policy Forum for Ethiopia.

Mahmud Yesuf is currently a visiting Researcher at the Kenyan Institute of Public Policy Research and Analysis (KIPPRA). He has also been an Assistant Professor at the Department of Economics of Addis Ababa University, and a Research Fellow at the Environmental Economics Policy Forum for Ethiopia. He holds a PhD degree in Economics from the Gothenburg University, Sweden. He has taught various graduate and undergraduate courses, including environmental and natural resource economics. His research focuses on economics of natural resource management, behavioural economics and environmental valuation with case studies from developing countries.

Jose Yorobe Jr, Department of Economics, University of Philippines, Los Banos, Philippines.

Jose Yorobe Jr is an Associate Professor at the Department of Agricultural Economics, University of the Philippines Los Baños. He received his PhD in Agricultural Economics from the University of the Philippines with a doctoral enrichment programme from Purdue University, USA. He has been teaching agricultural marketing and price analysis and conducts a wide range of research issues on Philippine agricultural development. His present research interest covers impact evaluation of biotech crops leading the first ex-post impact evaluation of Bt corn in the Philippines in 2004. He has been involved in various research activities in grain and livestock marketing, economic impact assessment of transgenic crops, biosafety and agricultural policy. He served as policy consultant to the Department of Agriculture of the Philippines and to various international organizations.
Choice experiments in developing countries

Shiqiu Zhang, Institute of Environment and Economy, Peking University, China
Shiqiu Zhang is Professor and Director of the Institute of Environment and Economy (IoEE) of Peking University, China. She has been teaching on environmental economics and has been conducting various research projects related to environment and development issues which cover environmental economics, environmental policy and environmental management.

Zhitao Zhang, China National Forestry Economics and Development Research Center, State Forestry Administration, China.
Zhitao Zhang is an Assistant Research Fellow at the China National Forestry Economics and Development Research Center and has a particular research interest in natural resource economics.