

Voluntary Carbon Standard

VCS Agriculture, Forestry and Other Land Use (AFOLU) Advisory Group, Expert Contributors and Independent Reviewers:

Personal Biographies

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VCS Agriculture, Forestry and Other Land Use (AFOLU) Advisory Group, Expert Contributors and Independent Reviewers: Personal Biographies

VCS AFOLU Advisory Group

Ken Newcombe (VCS AFOLU AG Chair) – Goldman Sachs, USA

Bernhard Schlamadinger – TerraCarbon, Austria

Toby Janson-Smith (VCS AFOLU project manager) – Conservation International, USA

Tanja Havemann – Climate Change Capital, UK

Afforestation, Reforestation and Revegetation (ARR) Expert Group

Igino Emmer (lead author) – Emmer Internationaal, The Netherlands

Neil Bird – Joanneum Research, Austria

Manuel Estrada – National Institute of Ecology, Mexico

Martin Schröder – TÜV SÜD, Germany

Frank Werner – Swiss Federal Institute of Technology, Switzerland

Agricultural Land Management (ALM) Expert Group

Keith Paustian (lead author) - NREL, Colorado State University, USA

Henry Janzen – Agriculture and Agri-Food Canada, Canada

Daniel Martino – Carbosur, Uruguay

David Powlson – Rothamstead Research, UK

Mike Robinson – Syngenta, UK

Improved Forest Management (IFM) Expert Group

Sandra Brown (lead author) - Winrock International, USA

Brian Murray – Duke University, USA

Timothy Pearson – Winrock International, USA

Brent Sohngen – Ohio State University, USA

Reducing Emissions from Deforestation (RED) Expert Group

Lucio Pedroni (lead author) – CATIE, Costa Rica

Manuel Estrada – National Institute of Ecology, Mexico

Charlotte Streck – Climate Focus, Germany

Eveline Trines – Treeness Consult, The Netherlands

Xiaoquan Zhang – Chinese Academy of Forestry, People's Republic of China

VCS AFOLU Consultants

Amanda Hawn (VCS AFOLU editor) – Ecosystem Marketplace, USA

Michael Jenkins (program development) – Forest Trends, USA

David Shoch (buffer financial analyst) – The Nature Conservancy, USA

Independent Reviewers

Jürgén Blaser – Intercooperation, Switzerland

Benoît Bosquet – Carbon Finance Unit, World Bank, USA

Bruce Cabarle – WWF, USA

Phil Cottle – ForestRe, UK

Jan Fehse – EcoSecurities, UK

Martin Schröder – TÜV SÜD, Germany

Joerg Seifert-Granzin – FAN, Bolivia

Bill Stanley – The Nature Conservancy, USA

Marc Steininger - Conservation International, USA

Craig Trotter – Landcare Research, New Zealand

Martijn Wilder – Baker & McKenzie, Australia

Xiaoquan Zhang – Chinese Academy of Forestry, People's Republic of China

VCS AFOLU Advisory Group

Ken Newcombe (VCS AFOLU AG Chair) – Goldman Sachs, USA

Ken has been engaged in various roles in financing climate change mitigation, biodiversity conservation and sustainable forest management. Ken was the first manager for Global Environment Facility and Montreal Protocol Multilateral Fund investment operations in the World Bank, and subsequently initiated and managed the development of the Prototype Carbon Fund, the first global carbon fund. He managed the Bank's carbon finance business bringing the number of carbon funds to eight and funds under management to about a billion dollars. Before leaving the Bank in 2006, he co-managed the design of G-8 Energy Investment Framework initiative. Through mid-2007, Ken was Head of Origination and Vice Chairman of Climate Change Capital in London, the largest private sector carbon fund. In September he joined Goldman Sachs in New York as a Managing Director in the Fixed Income, Currency and Commodities Division. Ken has a doctorate in energy and natural resource management from the Australian National University and training in business management at Harvard Business School.

Bernhard Schlamadinger – TerraCarbon, Austria

Dr. Bernhard Schlamadinger is a co-founder and managing director of TerraCarbon LLC, a company that advises buyers and sellers of LULUCF-based carbon credits. He is a Coordinating Lead Author of the IPCC 2003 Good Practice Guidance for LULUCF and of the IPCC 2000 Special Report on LULUCF; a Lead Author of the IPCC Fourth Assessment Report; and a Review Editor of the IPCC 2006 Guidelines for National Greenhouse-Gas Inventories. Bernhard co-authored the first approved baseline and monitoring methodology for CDM forestry projects, and the PDD of the only forestry project registered under the Kyoto Protocol to date. Earning his Ph.D. from Graz University of Technology in Austria in Mechanical Engineering and Economics, Bernhard has been engaged at Joanneum Research (a state-owned Austrian R&D firm) since 1992 where he served as senior scientist and head of the research group on Energy, Land Use and Climate Change. In this function, Bernhard developed the GORCAM carbon accounting model and served as associate editor of the Climate Policy Journal.

Toby Janson-Smith (VCS AFOLU project manager) – Conservation International, USA

Toby leads the Ecosystem Service Investments program for Conservation International's Center for Environmental Leadership in Business, which focuses on catalyzing markets and engaging the private sector to support forestry projects that generate measurable climate, water and biodiversity benefits. Previously, Toby directed the Climate, Community & Biodiversity Alliance (CCBA) – a global partnership between companies, NGOs and research institutes, which created the world's leading standards for designing and evaluating forest carbon projects that benefit local communities and biodiversity. For the past decade, Toby has consulted to a number of NGOs on carbon forestry issues, including: The Nature Conservancy, Union of Concerned Scientists, California Climate Action Registry, the Ecosystem Marketplace and Pacific Forest Trust. Toby also co-founded and led the World Resources Institute's SafeClimate.net venture based on the Business Plan he wrote.

Tanja Havemann – Climate Change Capital, UK

Tanja focuses on forestry and land use investments within Climate Change Capital's (CCC) carbon markets team. Prior to working at CCC, she worked for the African Parks Foundation, and as an independent consultant, focusing on payments for environmental services, and sustainable financing of African game parks. She has qualifications in tropical environmental science, environmental law and environmental economics. Tanja was assisted by Aimie Parpia.

Afforestation, Reforestation and Revegetation (ARR) Expert Group

Igino Emmer (lead author) – Emmer Internationaal, The Netherlands

Dr. Igino Emmer has a PhD in Physical Geography. He is a self-employed consultant and has over 10 years experience in the development, management and certification of forestry-based carbon sequestration projects and in the certification of sustainable forest management in Eastern Europe, Southeast Asia, Africa, South America, and The Netherlands. Dr. Emmer is currently a member of the UNFCCC A/R Working Group.

Neil Bird – Joanneum Research, Austria

David Neil Bird (Neil) joined Joanneum Research in August, 2005 where his main areas of interest are: Influence of changes in surface albedo on environmental benefits of LULUCF projects; Methodologies related to reduction in emissions from avoided deforestation; Evaluation of emission reductions from LULUCF that result from improved fuel wood use; and Development of unique CDM A/R projects and methodologies arising from these projects. Prior to August 2005, Neil worked, since 1995, for Woodrising Consulting Inc., his own consulting firm where he developed and assessed international and domestic projects that reduce GHG emissions. In May 2007, Neil was appointed to the A/R Working Group of the UNFCCC Secretariat.

Manuel Estrada – National Institute of Ecology, Mexico

Manuel Estrada has been working on climate change issues since 1996, when he was in charge of elaborating Mexico's First National Communication to the UNFCCC. He was involved in the definition and establishment of an ad-hoc process for approving projects under the AIJ pilot phase, and provided technical guidance for the Mexican Delegation during the Kyoto Protocol negotiations. As Climate Change Director of the International Affairs Unit of the Ministry of Environment of Mexico, he was the lead CDM negotiator from COP7 to COP10, including the negotiation of the rules for CDM A/R projects. Additionally, he designed, negotiated and coordinated the establishment the Mexican Committee for Emissions Reduction and Greenhouse Gas Sequestration Projects. He currently advises the Ministry of Environment on international climate change negotiations, particularly on the issues related to the CDM and LULUCF (REDD), and acts as a consultant for TerraCarbon in Central and South America.

Martin Schröder – TÜV SÜD, Germany

Martin Schröder is lead auditor at TÜV SÜD, a leading auditing company in the field of forestry based GHG mitigation projects (CDM, JI, VER). Within TÜV SÜD he is responsible for the validation and verification of forestry projects. In addition to his qualifications as an auditor, he holds a masters degree in tropical forest science. Previous to his career within TÜV SÜD, Mr. Schröder worked on development projects in the Amazon Region and managed voluntary carbon offset projects.

Frank Werner – Swiss Federal Institute of Technology, Switzerland

Dr. Frank Werner is an environmental natural scientist and the owner of a small environmental consulting company, specialized in natural resource management and the sustainable use of wood and wood-products. He has long-term experience in the development and assessment of A/R CDM baseline and monitoring methodologies; and is a former member of the CDM A/R working group.

Agricultural Land Management (ALM) Expert Group

Keith Paustian (lead author) - **NREL**, Colorado State University, USA

Professor Keith Paustian is a Professor in the Department of Soil and Crop Sciences and Senior Research Scientist at the Natural Resources Ecology Laboratory (NREL) at Colorado State University. National and international activities include being on the Scientific Steering Committee for the US Carbon Cycle Science Program, coordinating lead author for IPCC 2006 National Guidelines for Greenhouse Gas Inventory Methods for AFOLU, coordinating lead author for IPCC Good Practice Guidance for LULUCF, co-chair for the Council on Agricultural Science and Technology Taskforce on Agriculture and Climate Change and lead author for PEW Center report 'Agriculture's Role in Greenhouse Gas Mitigation'. His current research projects include accounting GHG emissions for the US inventory, and the development of accounting tools for farmers and ranchers to get credit under the US 1605B voluntary GHG reduction program. Professor Paustian has written more than 120 journal articles and book chapters.

Henry Janzen – **Agriculture and Agri-Food Canada**, Canada

Dr. Henry Janzen is a Soil Biochemist with Agriculture and Agri-Food Canada in Lethbridge, Alberta, Canada. His research focuses on the cycles of carbon and nitrogen in agricultural ecosystems, with emphasis on enhancing carbon sinks and reducing GHG emissions. In exploring the links between farmlands and the global carbon cycle, he has participated in various national and international research activities, including contributions to reports of the IPCC.

Daniel Martino – **Carbosur**, Uruguay

Dr. Daniel Martino is the Executive Director of Carbosur (Uruguay) and has a Ph.D. from the University of Manitoba, Canada. He is a lead reviewer of national GHG inventories and CDM A/R methodologies under the UNFCCC, as well as being the author of training packages for GHG inventories in non-Annex I countries and has assisted the Secretariat in the preparation of two technical papers (Harvested Wood Products, AWG) used in negotiation processes. With the IPCC, Dr. Martino was the coordinating lead author of the Fourth Assessment Report, the lead author of the 2007 Report on Climate Change and Water, the lead author of the 2006 Guidelines and lead author for the Good Practice Guidelines for LULUCF. Dr. Martino has also implemented four electricity generation and three afforestation CDM projects in Uruguay, and has provided consultancy services to governments, institutions and companies of 15 countries in the Americas, Europe, Oceania and Asia.

David Powlson – **Rothamsted Research**, UK

Professor David Powlson is a soil scientist who has conducted research for over 35 years on the cycling of carbon and nutrients in soil and the interactions between soils and the wider environment. He is currently a Lawes Trust Senior Fellow in the Department of Soil Science at Rothamsted Research, UK, and a Visiting Professor at the University of Reading. In 2006 he retired from his post as a senior researcher at Rothamsted and is now working as a consultant on soils-related projects in the UK and China. Professor Powlson has published over 100 papers in international peer-reviewed journals plus numerous other articles. During his career he has been Head of the Agriculture and Environment Division at Rothamsted Research and President of the British Society of Soil Science. He is a co-editor of the four-volume reference work Encyclopedia of Soils in the Environment and contributed to a UN-funded project quantifying the likely impacts of land-use change on soil carbon stocks in Agriculture, Ecosystems and Environment.

Mike Robinson – **Syngenta**, UK

Dr. Michael Robinson is a Technology Analyst in the Syngenta Strategy & Technology group. His role involves key activities relating to the identification of new business areas

and the initiation and management of new technology collaborations. He has over 20 years experience in industrial biosciences covering discovery technologies, plant biotechnology, natural products research, chemical genetics, systems biology and more recently biofuels, renewable energy and carbon accounting. He has been involved in the establishment and project management of several global collaborative research programmes with academic and commercial organisations. Dr. Robinson is a graduate of the University of Leeds and Rothamsted Experimental Station.

Improved Forest Management (IFM) Expert Group

Sandra Brown (lead author) - **Winrock International**, USA

Dr. Sandra Brown has a PhD in systems ecology from the Department of Environmental Engineering Sciences, University of Florida, a MS. in engineering science from the University of South Florida, and a BS in chemistry from the University of Nottingham, England. She is employed as Senior Scientist in the Ecosystems Services Unit of Winrock International since 1998. Prior to joining Winrock, she was a Professor in the Department of Forestry at the University of Illinois in Champaign-Urbana. Dr. Brown has more than 25 years of experience in planning, developing, implementing, and managing government and private-sector-funded projects focusing on understanding the role of forests in the global carbon cycle and their present and potential future role in climate change and mitigation. This work has resulted in more than 180 peer-reviewed publications, including five chapters in IPCC reports where she was a co-convening lead author.

Brian Murray – **Duke University**, USA

Dr. Brian Murray is Director for Economic Analysis at the Nicholas Institute for Environmental Policy Solutions and Research Professor at the Nicholas School of the Environment and Earth Sciences, Duke University. He is a widely recognized expert in the integration of economic and biophysical models to assess GHG mitigation strategies in AFOLU and energy. Dr. Murray has been invited as a co-author of several national and international assessments of forest resources; of particular note, convening lead author of the IPCC's Special Report on LULUCF. He has been the coordinator, since its inception, of the U.S. EPA and U.S. Department of Agriculture-sponsored Forestry and Agriculture Greenhouse Gas Modeling Forum. His research has examined the economic effects of traditional command-based regulatory strategies for pollution control and market-oriented approaches such as cap-and-trade programs and emission taxes. Dr. Murray has been published extensively in journals, books, and edited volumes.

Timothy Pearson – **Winrock International**, USA

Dr. Timothy Pearson is a Program Officer at Winrock International. Dr. Pearson has a PhD from the University of Aberdeen and a MA from Cambridge University and is a specialist in assessment of carbon stocks and changes in carbon stocks in land use and forestry. Dr. Pearson has conducted carbon assessments in ten countries spanning the globe. He was the lead author of the World Bank Sourcebook for LULUCF Projects, the ITTO Guidebook for the Formulation of A/R Projects under the CDM, and the measurement guidance for forestry for the US Department of Energy's voluntary reporting process (1605b), and is a co-author of the Sourcebook of Methods and Procedures for Monitoring and Estimating Carbon Emissions from Deforestation and Forest Degradation. Dr. Pearson has been an official expert reviewer for four CDM methodologies and was a co-author of the fourth approved LULUCF methodology.

Brent Sohngen – **Ohio State University**, USA

Dr. Brent Sohngen has been in the Department of Agricultural, Environmental, and Development Economics at the Ohio State University since 1996. His primary research interests lie in modeling land use change, assessing the economic efficiency of alternative

policy instruments for non point source water pollution control, estimating the economic benefits of improving environmental resources, and estimating the costs of carbon sequestration in forests and agricultural soils. His recent research includes assessing impacts of climate change on timber markets, assessing the potential costs of carbon sequestration in forests and agricultural soil, and estimating how property taxes influence land use change in Midwestern agricultural landscapes. He also leads an extension program in environmental and resource economics that provides resources on benefit cost analysis to Ohio policy-makers. Dr. Sohngen obtained his doctorate from the Yale School of Forestry and Environmental Studies, and his Bachelors from Cornell University.

Reducing Emissions from Deforestation (RED) Expert Group

Lucio Pedroni (lead author) – **CATIE**, Costa Rica

Dr. Lucio Pedroni has a PhD in forestry and 20 years of professional experience in developing countries. He is the director of the Global Change Group at the Tropical Agricultural Research and Higher Education Center (CATIE) in Costa Rica and is a consultant for the World Bank. Dr. Pedroni participated in the development and peer-review of methodologies for CDM A/R and is developing a methodology for avoided deforestation projects on behalf of the World Bank. He also has developed a spreadsheet tool for the application of approved CDM A/R methodologies that is currently in the process of being certified by TÜV SÜD. Dr. Pedroni participated in the peer-review of the CCB standard and leads several forest carbon initiatives in Latin America.

Manuel Estrada – **National Institute of Ecology**, Mexico

Manuel Estrada is also an expert in the Afforestation, Reforestation and Revegetation Working Group; please see this section for a full biography.

Charlotte Streck – **Climate Focus**, Germany

Dr. Charlotte Streck is Director of Climate Focus, a consultancy company specialized on climate change law and policy and the global carbon market based in Rotterdam. She is an internationally recognized expert in developing and structuring carbon finance transactions; in LULUCF issues under the Kyoto Protocol and UNFCCC; and in climate change related institutional and legal matters. Until February 2005, Dr. Streck was Senior Counsel with the World Bank where she was responsible for project design and legal structuring of World Bank carbon transactions in numerous regions and all forestry related legal issues. Prior to this, she cooperated with the “Global Public Policy Project”, providing strategic advice for the UN Secretary General. Dr. Streck was educated in both Law and Biology at the Universities of Berlin, Regensburg, Freiburg, and Cordoba. She has authored and co-authored several books and articles on environmental law and policy, and is a board member of the Global Public Policy Institute.

Eveline Trines – **Treeness Consult**, The Netherlands

Eveline Trines is an environmental forester and a senior climate policy and forest management advisor in the following fields: Management advice, assistance and validation in forestry projects, as well as verification and certification primarily in developing countries; Scientific advice in applied research and the elaboration of policy-relevant reports and publications; Advising governments and ministries on climate change, development co-operation and adaptation and future climate policy in the area of LULUCF.

Xiaoquan Zhang – **Chinese Academy of Forestry**, People’s Republic of China

Dr. Xiaoquan Zhang is a leading scientist for the group of climate change and forestry issues in the Chinese Academy of Forestry, and a consultant for the World Bank. He has a PhD in the field of forest ecology and over 20 years of professional experience in forestry. In the last decade, he has been involved in research on the impacts of climate change on

forests, GHG inventory preparation in the LULUCF sector, impacts of land use changes on soil organic carbon, and the development of CDM A/R methodologies and project design documents. Dr. Zhang co-authored the first and sixth approved CDM A/R methodologies and aided registration of the first A/R CDM project. Dr. Zhang is now a member of A/R Workgroup under the CDM Executive Board and a member of China Climate Change Expert Committee. He was a lead author of the IPCC Good Practice Guidance for LULUCF, IPCC 2006 Guidelines for AFOLU and the IPCC Fourth Assessment Report. He is also a reviewer of the Annex I GHG inventory (LULUCF).

VCS AFOLU Consultants

Amanda Hawn (VCS AFOLU editor) – **Ecosystem Marketplace**, USA

Amanda Hawn is the co-author of *Voluntary Carbon Markets: An International Business Guide to What They Are and How They Work*, which was first released in 2006 with a foreword from Al Gore. She is the Managing Editor of the Ecosystem Marketplace and a student at the Haas School of Business at the University of California, Berkeley. Amanda has a background in ecology and evolutionary biology, conducting research in the United States, the Netherlands Antilles, Botswana, Tanzania and South Africa. She was the recipient of the Becky Colvin Memorial Prize for environmental thesis research at Princeton University where she completed her thesis with Steve Pacala. Amanda completed her graduate work through a Princeton-in-Africa Fellowship at the University of Cape Town. Since 2003, she has worked as a science journalist covering the intersection of ecology and economics. Her work has appeared in a wide variety of publications, including the New York Times, The Economist and Conservation Magazine.

Michael Jenkins (program development) – **Forest Trends**, USA

Michael is the founding President of Forest Trends a Washington D.C. based non profit organization, created in 1999 by leaders from conservation organizations, forest product companies, research groups, multilateral development banks, private investment funds, and foundations. Its mission is to maintain and restore forest ecosystems by promoting incentives that diversify trade in the forest sector to a broader range of products and services. In 1998 Michael was in a joint appointment as a Senior Forestry Advisor to the World Bank. From 1989-1999 he was the Associate Director for the Global Security and Sustainability Program of the MacArthur Foundation, where he managed all grant making for Latin America and the Caribbean and program development in Asia and Africa. He holds a Master's of Forest Science from Yale University and has authored a number of books/publications including, *The Business of Sustainable Forestry: Strategies for an Industry in Transition* and *Capital Markets and Sustainable Forestry: Opportunities for Investment*.

David Shoch (buffer financial analyst) – **The Nature Conservancy**, USA

David Shoch is a forester with The Nature Conservancy's Climate Science Group, advising on the development and management of the Conservancy's climate action projects. Prior to joining the Conservancy in 2006, David served as a program officer for Winrock International's Ecosystem Services Group where he managed the implementation of carbon measurement and monitoring efforts for a wide range of clients. Mr. Shoch has over 10 years of experience in forest biomass carbon measurement and monitoring and forest growth and yield modeling, and served as a contributing author on the IPCC Supplementary Methods and Good Practice Guidance for Land-use, Land-use Change and Forestry (LULUCF) Activities. David received his masters degree in Forestry from the Duke University Nicholas School of the Environment and a bachelors degree in Biology from the University of Richmond. He has been a member of the Society of American Foresters since 1997.

Independent Reviewers

Jürgen Blaser – Intercooperation, Switzerland

Dr. Jürgen Blaser is currently Head of the Forest and Environment Team and Deputy Director of Intercooperation, the Swiss Organization for Development and International Cooperation. Since 1981, he has worked in natural resource management and forest policy in various functions and institutions, including as a senior forester in the World Bank and other institutional long-term assignments in the forest sector on behalf of the Swiss Development Cooperation and the Swiss State Agency for Economic Affairs. Dr. Blaser was the Chair of the International Tropical Timber Council and co-chair of the intergovernmental negotiation of the new International Tropical Timber Agreement within UNCTAD. He is a member of the board of trustees of CIFOR, the Tropical Forest Foundation and Tropenbos International. He has been involved in the development of forestry as a mitigation option for numerous years and is deeply engaged in the preparation of post-Kyoto scenarios in respect to forests and climate change.

Benoît Bosquet – Carbon Finance Unit, World Bank, USA

Dr. Benoît Bosquet is a Senior Natural Resources Management Specialist in the Carbon Finance Unit of the World Bank. He manages the Prototype Carbon Fund, the pioneer of the World Bank's Carbon Funds, as well as the BioCarbon Fund, which purchases GHG emission reductions from LULUCF projects. Dr. Bosquet has 15 years of professional and academic experience in environmental and natural resources management. He has worked in Russia where he analyzed natural resource and environmental taxation and in Madagascar where he followed the implementation of the national environmental action plan. He has also worked for public agencies and NGOs involved in humanitarian relief in Belgium and Ethiopia. Dr. Bosquet holds undergraduate degrees in applied linguistics and business administration from Belgium, an M.A. in International Relations from the Johns Hopkins University's School of Advanced International Studies and a Ph.D. in Policy Studies from the University of Maryland.

Bruce Cabarle – WWF, USA

Bruce Cabarle leads WWF's international forestry efforts and is a co-founder of the Global Forest Alliance. He is also a principal architect of WWF's Global Forest & Trade Network to combat illegal logging. Prior to joining WWF, Mr. Cabarle was Director of the Forestry & Land Use Program at the World Resources Institute during which time he led an analysis of the first generation of Joint Implementation projects for US EPA, as well as the first two generations of voluntary carbon sequestration projects financed by a US-based company, Applied Energy Services. He is a co-founder and former chairman of the board of the FSC, a co-founder and ex-officio board member of Forest Trends, a member of the executive committee of the Tropical Forest Foundation and Metafore (formerly the Certified Forest Products Council), and worked as a forester with the US Forest Service in Idaho and for Puerto Rico's Department of Natural Resources.

Phil Cottle – ForestRe, UK

Phil Cottle is the CEO and founder of ForestRe, a new insurance agency and in due course, an insurance and reinsurance company designed to provide protection to investors in forestry, plantations, tree crop and environmental projects globally. Mr. Cottle was trained in tropical crops and rural development, and for the last 20 years prior to establishing ForestRe, provided full time forestry and crop risk assessment services in over 50 countries for Lloyd's of London, agribusiness and international reinsurers. Mr. Cottle introduced the first forestry insurance scheme in Spain for natural forests, and developed the National Indonesian Tree Crop Insurance Pool (NITCIP) in Indonesia. In 2002 he helped design insurance for fire fighting costs for Alberta, Canada. He also worked on a forest carbon sink insurance programme for the Canadian Government, and studied the application of earth observation data in the mapping of global forestry fire risk for the European Space Agency.

Jan Fehse – EcoSecurities, UK

Jan Fehse has over ten years of work experience in the field of (tropical) vegetation biodiversity and ecology, natural resource management, forestry and environmental services. He has spent over seven years working directly in relation to carbon forestry projects in the CDM, being closely involved with project design and formulation, financial structuring, participatory design and carbon modeling. He has field experience with the technical aspects of quantification and monitoring of carbon dynamics in forest systems. Mr. Fehse has in-depth knowledge of carbon markets and global climate change policy, particularly in relation to LULUCF, and has run a series of courses and workshops in this field. He has worked with numerous carbon forestry projects for a wide range of clients, from governments, UN organizations, development organizations, NGOs and the private sector. In addition, he has lead or been involved in various market studies, policy analyses, and technical studies related to carbon forestry.

Martin Schröder – TÜV SÜD, Germany

Martin Schröder is also an expert in the Afforestation, Reforestation and Revegetation Working Group; please see this section for a full biography.

Joerg Seifert-Granzin – FAN, Bolivia

Joerg Seifert-Granzin is an experienced senior economist and a specialist in the spatiotemporal analysis and valuation of environmental services. He has more than 13 years of experience in economic research on developing countries and lobbying for development issues. As an Integrated Expert recruited by the German Technical Cooperation (GTZ) sent to the Friend of Nature Foundation (FAN Bolivia), he co-ordinates the Noel Kempff Mercado Climate Action Project, the world's largest Activity Implemented Jointly avoiding deforestation. Within this project he successfully guided the certification process, revised the methodologies applied and edited the Project Design Document. With FAN's environmental services' team he conducts research on combined ecosystem services (carbon and hydrological services) and designs projects to conserve them. Currently, Mr. Seifert-Granzin coordinates the international efforts to establish national reference emission scenarios on REDD for Bolivia.

Bill Stanley – The Nature Conservancy, USA

Bill Stanley is the Director of The Nature Conservancy's Global Climate Change Initiative. Mr. Stanley oversees a team of applied scientists working to understand and respond to climate change impacts, engages in both US and international climate policy design, and develops strategic partnerships to measure the emissions reductions of TNC's climate action projects. He is the Principal Investigator in an ongoing cooperative agreement with the Department of Energy to identify sound and cost-effective carbon project activities and associated measurement. Mr. Stanley feels most at home in forests, with experience in the US, Brazil, Bolivia, and Belize. He has published papers with topics ranging from techniques for biomass estimation in tropical forests to the implications of the Kyoto Protocol to forestry, and is a co-author of the CCB Standards. He holds a BA in Environmental Science with a minor in Foreign Affairs from the University of Virginia, and a Masters of Forest Science from the Yale School of Forestry and Environmental Studies.

Marc Steininger - Conservation International, USA

Dr. Marc Steininger is the Scientific Director of the Regional Analysis Program, Center for Applied Biodiversity Science of Conservation International. He has 15 years of experience in monitoring tropical forests, deforestation, secondary forests and associated estimates of carbon release and uptake. Dr. Steininger holds an MA and PhD. His Post-doctorate was conducted at the NASA Goddard Space Flight Center, furthering deforestation studies in Bolivia and Peru and assisting the Large-scale Biosphere-Atmosphere project. He has helped develop the NASA Landsat Pathfinder Tropical Deforestation Mapping project and the Global Land Cover Facility; two major sources of forest satellite imagery and

deforestation studies. He has also conducted training workshops on remote sensing for monitoring deforestation; compiling baselines for numerous countries. Dr. Steininger is a member of the Management Operations Working Group of the NASA Carbon Cycle and Ecosystems Focus Area, and co-founder of the NASA-Conservation NGO group.

Craig Trotter – Landcare Research, New Zealand

Dr. Craig Trotter is a leading land-based carbon scientist and GHG emissions expert with Landscape Research. He is a member of the UNFCCC A/R Working Group and has provided scientific advice for the development of New Zealand's Carbon Accounting System for the Kyoto Protocol. Dr. Trotter has authored and co-authored numerous publications on the measurement and monitoring of terrestrial carbon as well as the potential for A/R in New Zealand.

Martijn Wilder – Baker & McKenzie, Australia

Martijn Wilder heads Baker & McKenzie's global climate change and emissions trading practice (with over 50 lawyers across the world) and is regarded as the leading legal expert in the field, having worked in the area for over 10 years. Representing an international client base he advises governments and multilaterals (such as the World Bank and ADB) on the development of climate change and emissions trading laws and advises clients on international carbon transactions. He has been a leading advisor on LULUCF and avoided deforestation projects including assisting with the establishment and operation of the Biocarbon Fund and structuring sink based transactions including those under statutory regimes that create compliance based sink credits, such as the Australian state legislation and under the CDM. Mr. Wilder is also Chairman of the NSW Premier's Greenhouse Advisory Panel and is on the Governing Board of REEEP.

Xiaoquan Zhang – Chinese Academy of Forestry, People's Republic of China

Xiaoquan Zhang is also an expert in the Reducing Emissions from Deforestation Working Group; please see this section for a full biography.

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