

EVA “LINI” WOLLENBERG

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EDUCATION

Ph.D. (1991) and M.S. (1986) Wildland Resource Science, University of California, Berkeley

B.S. (1981) *summa cum laude* Conservation and Resource Studies, University of California, Berkeley

PROFESSIONAL EXPERIENCE

2009 – present Flagship Leader, Low Emissions Agriculture, CGIAR Research Program on Climate Change Agriculture and Food Security, and Research Associate Professor, Gund Institute for Ecological Economics, University of Vermont. The CCAFS role includes serving on the CCAFS Program Management Committee, responsible for strategy, fund-raising and management of the USD 50-60 million per annum CCAFS program.

2007 – 2009 Director, Center for Sustainable Agriculture (2007– Jan 2009) and Extension Associate Professor, University of Vermont, Burlington.

1994 – 2005 Principal Scientist, Governance Program, Center for International Forestry Research, Bogor, Indonesia

1991 – 1994 Program Officer, Asia Program, Ford Foundation, New York

IMPACT FOCUS

My expertise is in natural resource management with a focus on policy and institutions for improved rural livelihoods and environmental outcomes. During the last 30 years, I have addressed problems in agriculture-forest landscapes of the developing world, tackling the inherent tensions of environment and development objectives and partnering with diverse interest groups to support social change. I strongly believe that this kind of science should lead to tangible development outcomes for the improved well-being of people and the environment. It should also increase the self-determination and knowledge of the people affected by involving them directly in the research. My research at CIFOR supported forest-based communities to improve local governance reforms that would enhance their livelihoods and forest sustainability. This required participatory action research – learning-by-doing—with a complex set of communities, government and company actors. In CCAFS we have used this approach in our program as well, but focused on national governments. The CCAFS Low Emissions Development program has produced research and engagement contributing to the outcomes listed below for 2011-2015 (all documented in the CCAFS reporting system; 2016 still being compiled and assessed).

Outcome statement	Year
CIAT-MAG-CATIE collaboration supported the process leading to the Low Emission Livestock Strategy in Costa Rica	2015
Colombian government registered a Nationally Appropriate Mitigation Action (NAMA) Information Note in the UNFCCC	2015
Ministries of Vietnam and Bangladesh produced country work plans for scaling out Alternate Wetting and Drying (AWD) in rice, for positive impacts on GHG emissions	2015
East African countries integrate Climate-Smart Agriculture into their Intended Nationally Determined Contributions (INDCs) of the UNFCCC	2015
Scaling climate-smart dairy practices in Kenya – dissemination of improved feeding practices to 600,000 smallholder dairy producers (practices leading to reductions in GHGs per unit output)	2015
Plan Vivo adopted greenhouse gas accounting methodology for smallholders	2015
Colombian government placed a spotlight on agriculture in their Intended Nationally Determined Contribution (INDC)	2015
Columbian Government prioritized an agricultural Nationally Appropriate Mitigation Action (NAMA)	2014
Indonesian Reference Emission Level (REL) for peatlands submitted	2014

IPCC Wetlands Supplement uses new peatland emission factors	2014
Refined SHAMBA tool (for measuring GHG emissions of agricultural practices) piloted by Plan Vivo in three countries	2014
Scaling up agricultural carbon projects in Kenya and Uganda	2014
Low Emission Development Strategies (LEDS) developed by Colombian government	2014
Mazingira Lab enables ground breaking GHG emissions research in East Africa	2014
Improved livestock numbers in GHG emissions models	2014
Water-saving in rice production (Alternate Wetting and Drying – AWD) recognized as high-priority mitigation option by policy makers in Vietnam	2014
Carbon project partners use institutional innovation lessons in project design and development	2013
Integration of AWD into Vietnam’s climate change mitigation campaign (e.g. 20-20-20 strategy)	2013
Greenhouse gas emissions measurements and capacity strengthening	2013
Linking herders to carbon markets to enhance incomes and reduce GHGs	2013
Heifer International – EADD (East African Dairy Development) continues its partnership with ICRAF through the Phase II of the MICCA project ???	2013
400+ young farmers adopt climate-smart practices, including conservation technology	2011
Water-saving practices in rice cultivation recognised as a methodology under the Clean Development Mechanism because of the potential to reduce GHGs	2011

SELECTED PUBLICATIONS

Books

- Rosenstock, T.S., Rufino, M.C., Butterbach-Bahl, K, Wollenberg, E. Richards, M. (eds.) 2016. Methods for Measuring Greenhouse Gas Balances and Evaluating Mitigation Options in Smallholder Agriculture. Springer, Switzerland.
- Wollenberg E., A. Nihart, M-L. Tapio-Biström, M. Grieg-Gran, (eds.) 2012. Climate Change Mitigation and Agriculture. Routledge, London.
- Springate-Baginski, O. and E. Wollenberg, eds. 2010. REDD, Forest Governance and Rural Livelihoods, The Emerging Agenda. CIFOR, Bogor. Available online at: www.cifor.cgiar.org
- Moeliono, M., E. Wollenberg and Godwin Limberg (eds.) 2008. The Decentralization of Forest Governance: Politics, Economics and the Fight for Control of Forests in Indonesian Borneo. Earthscan, London. <http://www.earthscan.co.uk/?tabid=21097>
- Edmunds, D. and Wollenberg, E. (eds). 2003. Local Forest Management: The Impacts of Devolution Policies. Earthscan, London.
- Wollenberg, E., Edmunds, D., Buck, L., Fox, J. and Brodt, S. (eds.). 2001. Social Learning in Community Forests. CIFOR & the East West Center, Bogor, Indonesia.
- Wollenberg, E. and Ingles, A. (eds.) 1998. Incomes from the Forest: Methods for the Development and Conservation of Forest Products for Local Communities. CIFOR, Bogor, Indonesia.

Selected refereed articles and chapters

- Carter, S. J. de Koning, M. Herold, G. Salvini, K. Kok, P. Reidsma, M.C. Rufino, K.E. Giller, C. Soto Golcher, M. van Noordwijk, L. Verchot, E. Wollenberg and B. Arts. Local solutions, transdisciplinary research, policy coherence, and transparency are key for climate-smart land use. Submitted to Carbon Management.
- Griscom, B., J. Adams, P. Ellis, R. A. Houghton, G. Lomax, D. A. Miteva, W. H. Schlesinger, D. Shoch, P. Woodbury, C. Zganjar, A. Blackman, J. Campari, R. T. Conant, C. Delgado, P. Elias, M. Hamsik, J. Kiesecker, E. Landis, S. Polasky, F. E. Putz, J. Sanderman, J. Siikamäki, M. Silvius, E. Wollenberg, J. Fargione. Natural pathways to climate mitigation. In review at *PNAS*.

- Ingraham, P.A., Hanson, M., Bhatta, G.D., Salas, W.A., Wollenberg, E. Estimating Global Warming Potential for Agricultural Landscapes with Minimal Field Data and Cost. Accepted with major revisions, *Springer Plus*.
- Subbarao, G., Arango, J., Masahiro, K., Hooper, A., Yoshihashi, T., Ando, Y., Nakahara, K., Deshpande, S., Ortiz-Monasterio, I., Ishitani, M., Peters, M., Chirinda, N., Wollenberg, E., Lata, J.C., Gerard, B., Tobita, S., Rao, I., Braun, H. J., Kommerell, V., Tohme, J., Iwanaga, M. 2017. Genetic mitigation strategies to tackle agricultural GHG emissions: The case for biological nitrification inhibition technology. *Plant Science*. 1-4 p. doi:10.1016/j.plantsci.2017.05.004
- Campbell, B.M., Vermeulen, S.J., Aggarwal, P.K., Corner-Dolloff, C., Girvetz, E., Loboguerrero, A.M., Ramirez-Villegas, J., Rosenstock, T., Sebastian, L., Thornton, P., Wollenberg, E. 2016. Reducing risks to food security from climate change. *Global Food Security*. doi:10.1016/j.gfs.2016.06.002.
- Wollenberg, E., M. Richards, P. Smith, P. Havlík, M. Obersteiner, F.N. Tubiello, M. Herold, P. Gerber, S. Carter, A. Reisinger, D. van Vuuren, A. Dickie, H. Neufeldt, B.O. Sander, R. Wassmann, R. Sommer, J.E. Amonette, A. Falcucci, M. Herrero, C. Opio, R. Roman-Cuesta, E. Stehfest, H. Westhoek, I. Ortiz-Monasterio, T. Sapkota, M.C. Rufino, P.K. Thornton, L. Verchot, P.C. West, J.-F. Soussana, T. Baedeker, M. Sadler, S. Vermeulen, B.M. Campbell. 2016. Reducing emissions from agriculture to meet the 2°C target. *Global Change Biology*. doi:10.1111/gcb.13340
- Lee, J., J. Erickson, M. Ingalls, E. Wollenberg. 2016. Agricultural Carbon Markets and Poverty Alleviation: The Role of Bridging Organizations in Linking Buyers and Sellers to Achieve Multiple Outcomes. *Global Environmental Change* 39: 98-107. doi:10.1016/j.gloenvcha.2016.04.015
- Richards M, Ruth Metzler, Chirinda N, Ly P, Nyamadzawo G, Vu QD, de Neergaard A, Oelofse M, Wollenberg E, Keller E, Malin D, Olesen JE, Hillier J, Rosenstock TS. 2016. Limits of agricultural greenhouse gas calculators to predict soil N₂O and CH₄ fluxes in tropical agriculture. *Scientific Reports* 6, Article 26279. doi:10.1038/srep26279
- Sheil D, Cohen J, Colfer C, Price D, Puri R, Ruiz-Perez M, Sugandi Y, Vedeld P, Wollenberg E, Yasmi Y. 2016 The moral basis for conservation – reflections on Dickman et al. *Frontiers in Ecology and the Environment*, 14: 67–69. doi:10.1002/fee.1224
- Lee J, Martin A, Kristjanson P, Wollenberg E. 2015. Implications on equity in agricultural carbon market projects: a gendered analysis of access, decision making, and outcomes. *Environment and Planning A*, 47, 2080-2096. doi:10.1177/0308518X15595897
- Agrawal, A., Wollenberg, E., Persha L. 2014. Governing Agriculture-Forest Landscapes to Achieve Climate Change Mitigation. Lead article of special section. *Global Environmental Change* 29: 270-280.
- Steenwerth, K.L. A. K Hodson, A.J. Bloom, M.R. Carter, A. Cattaneo, C. Chartres, J.L. Hatfield, K. Henry, J.W. Hopsmans, W.R. Horwath, B.M. Jenkins, E. Kebreab, R. Leemans, L. Lipper, M.N. Lubell, S. Msangi, R. Prabhu, M. P. Reynolds, S. Sandoval Solis, W. M. Sicho, M. Springborn, P. Tittonell, S. M. Wheeler, E. Wollenberg, J.W. Hopmans, E. Kebreab, L. Lipper, S.J. Vermeulen, L. S. Jarvis and L.E. Jackson. 2014. Climate-Smart Agriculture Global Research Agenda: Science for Action. *Agriculture & Food Security* (3)11.
- Olander, L., Wollenberg, E., Tubiello, F. and M. Herold. 2014. Synthesis: the status and potential for improved agricultural greenhouse gas quantification. *Environmental Research Letters* 9 075003.
- Neufeldt H, Jahn M, Campbell C, Beddington JR, DeClerck F, De Pinto A, Hellin J, Herrero M, Jarvis A, LeZaks D, Holger M, Rosenstock T, Scholes M, Scholes R, Vermeulen S, Wollenberg E, Zougmore R. 2013. Beyond climate-smart agriculture – toward safe operating spaces for global food systems. *Agriculture and Food Security* 2(12).
- Harvey, C.A., Chacón, M. Donatti, C. Garen, E. Hannah, L. Andrade, A, Bede, L., Brown, D. Calle, A. Chará, J. Clement, C. Gray, E. Minh Ha Hoang, Minang, P. Rodríguez, A.

- Seeberg-Elverfeldt, C. Semroc, B. Shames, S. Smukler, S. Somarriba, E., Torquebiau, E. van Etten, J. Wollenberg, E. 2013. Climate-smart Landscapes: Opportunities and Challenges for Integrating Adaptation and Mitigation in Tropical Agriculture. *Conservation Letters* 7(2): 77-90. doi: 10.1111/conl.12066
<http://onlinelibrary.wiley.com/doi/10.1111/conl.12066/abstract>
- Neufeldt, H., Jahn, M., Campbell, C., Beddington, J.R., DeClerck, F., De Pinto, A., Hellin, J., Herrero, M., Jarvis, A., LeZaks, D., Holger, M., Rosenstock, T., Scholes, M., Scholes, R., Vermeulen, S., Wollenberg, E., Zougmore, R. 2013. Beyond climate-smart agriculture – toward safe operating spaces for global food systems. *Agriculture and Food Security* 2(12). <http://www.agricultureandfoodsecurity.com/content/2/1/12>
- Ogle, S. M., Olander, L., Wollenberg, L., Rosenstock, T., Tubiello, F., Paustian, K., Buendia, L., Nihart, A. and Smith, P. (2014), Reducing greenhouse gas emissions and adapting agricultural management for climate change in developing countries: providing the basis for action. *Global Change Biology*, 20: 1–6. doi: 10.1111/gcb.12361
- Newton P, Agrawal A, Wollenberg E. 2013. Enhancing the sustainability of commodity supply chains in tropical forest and agricultural landscapes. *Global Environmental Change* 23: 1761-1772.
- Rosenstock, T., M. Rufino, K. Butterbach-Bahl, E. Wollenberg. 2013. Toward a protocol for quantifying the greenhouse gas balance and identifying mitigation options in smallholder farming systems. *Environmental Research Letters* 8. <http://iopscience.iop.org/1748-9326/8/2/021003>
- Olander, L., Wollenberg, E., Tubiello, F. and M. Herold. 2013. Advancing agricultural greenhouse gas quantification. *Environmental Research Letters* 8(1): 011002. <http://iopscience.iop.org/1748-9326/8/1/011002>
- Wollenberg E, Herrero M, Wassmann R, Neufeldt H, Vermeulen S, Rosswall T, Campbell B, Hellin J, Jarvis A, Challinor A, Snook L, Smakhtin V, Kinyangi J. 2012. CCAFS Working Paper 29. Setting the agenda: climate change adaptation and mitigation for food systems in the developing world. Copenhagen: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Sheil, D. Basuki, I. German, L. Kuyper, T.W., Limberg, G., Puri, R.K., Sellato, B. van Noordwijk, M. Wollenberg, E. 2012. Do Anthropogenic Dark Earths Occur in the Interior of Borneo? Some Initial Observations from East Kalimantan. *Forestry* 3(1). Online: www.mdpi.com/journal/forests
- Vermeulen, S. Zougmore, R., Wollenberg, E., Thornton, P., Nelson, G., Kristjanson, P., Kinyangi, J., Jarvis, A., Hansen, J. Challinor, A., Campbell, B., Aggarwal, P. 2011. Climate change, agriculture and food security: a global partnership to link research and action for low-income agricultural producers and consumers. *Current Opinions in Sustainability* 4: 1-6.
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- Negra, C., & Wollenberg, E. 2011. Lessons from REDD: Advancing agriculture in the UNFCCC. *Carbon Management* 2(2): 161-173.
- Jarvis, A., C. Lau, S. Cook, E. Wollenberg, J. Hansen, O. Bonilla, and A. Challinor. 2011. ‘An integrated adaptation and mitigation framework for developing agricultural research: synergies and trade-offs.’ *Experimental Agriculture* 47(2): 185-203.
- Vermeulen, S.J. and Wollenberg, E.K. 2011. Benefits of tropical crops for food security. Proceedings of the National Academy of Sciences March 1, 2011 vol. 108 no. 9 E30. Published online before print February 14, 2011, doi: 10.1073/pnas.1019018108. <http://www.pnas.org/content/108/9/E30.extract> (Letter)

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- Wollenberg, E., B. Campbell, D. Sheil, M. Moeliono P. Gunarso. 2009. Interactive Land-Use Planning in Indonesian Rain-Forest Landscapes: Reconnecting Plans to Practice. *Journal of Ecology and Society* 14(1): 35.
- Armitage, D., Plummer, R., Berkes, F., Arthur, R., Charles., A., Davidson-Hunt, I., Diduck, A., Doubleday, N, Johnson, D., Marschke, M., McConney, P., Pinkerton, E., and L.Wollenberg. 2009. Adaptive co-management for social-ecological complexity. *Journal of Frontiers in Ecology and the Environment* 7(2): 95-102.
- Wollenberg, E. R. Iwan, G. Limberg, M. Moeliono, M. Sudana, A. Uluk, N. Anau, M. Van Heist. From participation to partnership: Devolution, forest communities and the Center for International Forestry Research (CIFOR) in Malinau, Indonesia. 2008. *In Doing Science Together*, Louise Fortmann, (Ed.). Wiley-Blackwell Publishers, London.
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- Wollenberg, E., L. Merino, A. Agrawal and E. Ostrom. 2007. Fourteen years of monitoring community-managed forests: Learning from IFRI's experience. *International Forestry Review* Vol.9(2): 670-684.
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- Wollenberg, E., Colchester, M., Mbugua, G. and Griffiths, T. 2005. Linking social movements: How international networks can better support community action about forests. CIFOR Working Paper No 31. Bogor.
- Wollenberg, E., Moeliono, M., Limberg, G., Iwan, R., Rhee, S., Sudana, M. 2006. Between state and society: local governance of forests in Malinau, Indonesia. *Forest Policy and Economics* 8(4): 421- 433.
- Wollenberg, E. and Nawir, A.A. 2005. Turning Straw into Gold: Specialization among Damar Agroforest Farmers in Pesisir, Sumatra. *Forests, Trees and Livelihoods* 15(4): 317-336.
- Wollenberg, E., Anderson, J. and Edmunds, D. 2001 Pluralism and the less Powerful: Accommodating Multiple Interests in Local Forest Management. *International Journal of Agriculture, Resources, Governance and Ecology (IJARGE)*, Special Issue on accommodating multiple interests in local forest management, Volume 1, Nos. 3/4, pp. 199-222.
- Wollenberg, E., Edmunds, D., and Anderson, J. Guest editors. 2001 *Special Issue of International Journal of Agricultural Resources, Governance and Ecology* on accommodating multiple interests, 1 (3/4).
- Wollenberg, E. 2001. Incentives for Collecting Gaharu (Fungal-infected Wood of *Aquilaria* spp.; Thymelaeaceae) in East Kalimantan. *Economic Botany* 55 (3): 444-456. http://www.econbot.org/journal/Vol55_3/ebot-55-3-444.pdf
- Edmunds, D. and Wollenberg, E. 2001. A Strategic Approach to Multistakeholder Negotiations. *Development and Change*, Volume 32 Issue 2 pp. 231-253.
- Edmunds, D. and Wollenberg, E. 2001. Historical Perspectives on Forest Policy Change in Asia: An Introduction. *Environmental History* Vol. 6, No. 2 (April 2001). pp. 190-212.
- Wollenberg, E. 2000. Methods for Estimating Forest Income and their Challenges. *Society and Natural Resources* 13(8): 777-795.

Salafsky, N. and Wollenberg, E. 2000. Linking livelihoods and conservation: a conceptual framework and scale for assessing the integration of human needs and biodiversity. *World Development* 28 (8): 1421-38.

Refereed Monographs

- Nash J, Costa C, Galford G, Gurwick, N. Wollenberg E. 2015. Methods for identifying low emissions development options in agriculture. CCAFS Working Paper No. 147. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Ingraham P, Bhatta G, Salas W, Wollenberg E. 2015. Estimating Global warming potential for agricultural landscapes with minimal field data and cost. Working Paper No.142. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Edmunds D, Sasser J, Wollenberg E. 2013. A gender strategy for pro-poor climate change mitigation. CCAFS Working Paper no. 36. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Newton P, Agrawal A, Wollenberg L. 2013. Interventions for achieving sustainability in tropical forest and agricultural landscapes. CAPRI Working Paper No. 110. Washington, DC: International Food Policy Research Institute (IFPRI).
- Shames, S., Wollenberg, E., Buck, L.E., Kristjanson, P., Masiga, M. and Biryahwaho, B. 2012. Institutional innovations in African smallholder carbon projects. CCAFS Report 8. Copenhagen, Denmark: CCAFS. Available online at: www.ccafs.cgiar.org
- Negra, C. and E. Wollenberg. 2011. 'Lessons from REDD+ for agriculture.' CCAFS Report No. 4. CGIAR Research Program, Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org
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Policy Briefs

- Wollenberg, E. 2017. The mitigation pillar of Climate-Smart Agriculture (CSA): targets and options. *Agriculture for Development* 30. <http://www.taa.org.uk/publications.asp> and <http://hdl.handle.net/10568/81017>
- Vermeulen, S., Wollenberg, E. 2017. A rough estimate of the proportion of global emissions from agriculture due to smallholders. CCAFS Info Note. Copenhagen, Denmark: CGIAR Research Programme on Climate Change, Agriculture and Food Security.
- Colombo, B., West P., P. Smith, F. Tubiello, J. Gerber, P. Engstrom, A. Urevig, E. Wollenberg. 2016. How does agriculture change our climate? Environment reports, Institute on the Environment, University of Minnesota, <http://www.environmentreports.com/how-does-agriculture-change/>
- Guedes Pinto, LF, Hajjar R, Newton P, Agrawal A, Adshead D, Bini D, Bogaerts M, Cirhigiri L, Maguire-Rajpaul VA, González-Chaves A, McDermott, C, Milder J, Pinho P, Robinson I,

- Rodkin M, Wollenberg E. 2016. Transitioning to more sustainable, low emissions agriculture in Brazil. CCAFS Info Note.
- Wollenberg, E. 2016. Co-benefits to mitigation. In: Dinesh D (ed). 2016. Adaptation Measures in Agricultural Systems: Messages to SBSTA 44 agriculture workshops. CCAFS Working Paper no. 145. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Available online at: www.ccafs.cgiar.org
- Wollenberg E, Zurek M, De Pinto A. 2015. Climate readiness indicators for agriculture. CCAFS Info Note. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Richards MB, Wollenberg E, Buglion-Gluck S. 2015. Agriculture's contributions to national emissions. CCAFS Info Note. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Hedger M, Campbell BM, Wamukoya G, Kinyangi J, Verchot L, Wollenberg L, Vermeulen SJ, Minang P, Neufeldt H, Vidal A, Loboguerrero Rodriguez AM, Friis AE, Millan A. 2015. Progress on agriculture in the UN climate talks: How COP21 can ensure a food-secure future. CCAFS Info Note. Copenhagen, Denmark: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS).
- Foster K, Neufeldt H, Franks P, Diro R, Munden L, Anand M, Wollenberg E. 2013. Climate finance for agriculture and livelihoods. ICRAF Policy Brief. http://www.worldagroforestry.org/our_products/publications/details?node=54247
- Wollenberg, E., Higman, S., Seeberg-Elverfeldt, C., Neely, C., Tapio-Bistrom, M.-L. and Neufeldt, H. 2012. Helping smallholder farmers mitigate climate change. CCAFS Policy Brief 5. Copenhagen, Denmark: CCAFS.
- Wollenberg E, Campbell BM, Holmgren P, Seymour F, Sibanda L, and von Braun J. 2011. Actions needed to halt deforestation and promote climate smart agriculture. CCAFS Policy Brief no. 4. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org.
- Wollenberg, E. and Negra, C. 2011. Next Steps for Climate Change Mitigation in Agriculture. CCAFS Policy Brief no. 2. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark Available online at: www.ccafs.cgiar.org
- Negra, C. and E. Wollenberg. 2011. Lessons from REDD+ for Agriculture. CCAFS Policy Brief No. 1. CGIAR Research Program, Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: www.ccafs.cgiar.org

PROFESSIONAL SERVICE

Editorial Board

2011 to present Forest Trees and Livelihoods

Reviewer

- 2016 Reviewer, Netherlands Organization for Scientific Research, Social Sciences Board
- 2013-15 Input to Free, Prior, Informed Consent (FPIC) guidelines for working with local communities in forest areas, Global Environmental Forum (GEF)
- 2013-16 Evaluator, Elinor Ostrom Award on Collective Governance of Common Goods
- 2013 Research grant reviewer, Social Sciences and Humanities Research Council of Canada (SSHRC)

Technical advice

- 2016 Scientific Advisory Committee, High Level FAO-IPCC symposium on "Climate Change, Land Use and Food Security"
- 2016 Science and Technical Committee of the global 4/1000 Soil Carbon Initiative
- 2015-16 Strategic Advisory Group, Paddy Rice Workstream, Agriculture component, Climate and Clean Air Coalition,

- 2015-16 Technical Advisory Group Meeting on Science-based targets for agriculture and forest commodities
- 2013-16 International Advisory Committee, “Can paying for global ecosystem services reduce poverty? “Ecosystem Services for Poverty Alleviation (ESPA) project.
- 2013 Advisory Committee, Climate and Land Use Alliance
- 2013 Invited reviewer for IPCC Fifth Assessment Report as specialist on rural livelihoods
- 2013 Working Group for IUCN NR Governance Framework for Climate Change Mitigation and Adaptation
- 2010 Steering Committee, Sustainable Food Lab Cool Farm Tool
- 2010 Advisory Committee, Alternatives to Slash and Burn Global Program
- 2009 Associates in Rural Development. Technical input to Indonesia Forestry and Rural Development Proposal

MAJOR GRANTS AND FELLOWSHIPS

- CGIAR Fund Council. As part of the CCAFS management team, have contributed to the proposals for CCAFS resulting in funding to CCAFS of USD 50-60 million per annum since 2009; including USD 8-10 million per annum for the program component I lead.
- USAID, USD 200,000 for two years. Supporting global mitigation tools and analyses. 2015-2017.
- USAID. USD 1.6 million for 18 mo. Reducing and Accounting for Agriculture-Driven GHG Emissions in USAID’s Agriculture-Related Work. 2014- 2016.
- CGIAR Gender Post-doctoral Fellowship for Consortium Research Program Collaboration. USD 200,000. With the International Livestock Research Institute for a postdoc to be hired at ILRI. 2015-2017.
- Global Innovations Initiative. USD 250,000 for 2 years. Climate change mitigation, avoided deforestation and commodity agriculture: Assessing private sector innovation for sustainable coffee and cattle in Brazil. With U. Michigan, Oxford University, U. Sao Paulo, Rainforest Alliance. 2014-2016.
- UNEP- Climate and Clean Air Coalition. USD 777,000 for 18 months. Mitigation in Paddy Rice. With IRRI, CIAT, Government of Japan, Government of Canada, Government of Bangladesh. 2014-2016.
- Government of Canada. CAD 500,000. Developing methods for the quantification of agricultural greenhouse gases. Principal Investigator. 2012-2013.
- Bundesministerium für Wirtschaftliche Zusammenarbeit und Entwicklung (BMZ) USD 1,200,000. Making local government more responsive to the poor: Analysis of the impacts of decentralization on rural livelihoods and the development of a learning process for their reform. Co- Principal Investigator., 2003-2005.
- Department for International Development (DfID), USD 510,000. Decentralization that Benefits Communities: Involving Local Forest Communities in Multi-Stakeholder Policy Development at the Kabupaten Level. Principal Investigator, 2002-2005.
- International Tropical Timber Organization (ITTO), USD 892,559. Sustainable Collaborative Forest Management, Co- Principal Investigator, 2003-2005.
- Ford Foundation, USD 415,000. Building Leadership for Forest Reforms of the Future, Co- Principal Investigator, 2002-2005.
- Ford Foundation, International Networks for Community Forestry, USD 200,000. Supervisor-Grant Manager, 2001-2004.
- Ford Foundation, USD 325,000, Responsive Policy Research and Development for Sustainable and Equitable Forest Management I and II: Moving Forward Strategically, Supervisor, 2000- 2005.
- International Fund for Agricultural Development (IFAD) Phase II, USD 900,000, Forests that Benefit the Poor, 2004–2007. Prepared grant proposal and served as a resource person only.
- International Fund for Agricultural Development (IFAD), USD 1,000,000, Creating Space for Local Forest Management: An Evaluation of the Impacts of Forest Devolution Policies in Asia., Co- Principal Investigator, 1998 – 2000.
- Swiss Agency for Development and Cooperation (SDC), USD 594,000, Stakeholders and Biodiversity in the Forests of the Future 1998-2003. Prepared grant proposal only.

National Science Foundation Dissertation Grant 1990.

Phi Beta Kappa Graduate Scholarship 1987-88.

Fulbright-Hayes Grant 1984-85. University of the Philippines, Los Baños and Silliman University,

TEACHING AND MENTORING

While my positions have not involved formal teaching, I have mentored and co-supervised or served on the examination committee of about 60 students from a variety of universities.

HONORS AND AWARDS

Zayed International Prize for the Environment 2005, to all Millennium Ecosystem Assessment authors

Outstanding Graduate Student Instructor Award 1987. Department of Forestry and Resource Management,
University of California, Berkeley.

Phi Beta Kappa 1980, University of California, Berkeley.