

Curriculum Vitae

Stephen G. Sherwood

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Address in the Netherlands:

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Personal information

Date of birth: 1 February 1966

Nationality: Dual Ecuadorian and United States citizenry

Family status: Married with one child

Hobbies: Organic farming, football/soccer, ice hockey, trekking and mountain climbing

Summary of experience

Education: Over the last 25 years, I have helped thousands of community leaders, development practitioners, and students learn innovative theories, concepts, and methodologies useful for improving agriculture, rural development and natural resource management.

Research: I have led rigorous, multi-disciplinary investigations and published academic papers on pressing socio-environmental concerns and emerging social counter-movements. Technical themes include: agricultural decline and alternative food, child-maternal and occupational health, socio-environmental conflict, and climate change adaptation.

Policy: The work of my colleagues and I has contributed to institutional reforms in food at grassroots, national, and regional levels. In certain cases, my efforts have helped to forge new thinking in Science and Development.

Grant procurement: My project development and negotiations have attracted over USD 20 million in public and private investment in the causes of my organizations and their partners.

Languages

English: native speaker

Spanish: oral and written fluency

Kichwa/Quechua: very basic (in process)

Academic training

PhD, Communication and Innovation (focus in socio-environmental change). January 2001 to June 2009. Faculty of Social Sciences, Wageningen University, Wageningen, The Netherlands

- Supervised by Dr. Niels Röling and Dr. Cees Leeuwis (Communication and Innovation Studies)
- Dissertation: *Learning from Carchi: Agricultural Modernisation and the Production of Decline*

MPS, International Agriculture and Rural Development (focus in agronomy and knowledge-based approaches to social change). August 1995. College of Life Sciences, Cornell University, Ithaca, NY

- Supervised by Dr. Phil Arneson (Plant Pathology) and Dr. Merrill Ewert (Adult Education)
- Thesis: *Mastering Mystery: Learning to Manage Disease with Honduran and Nicaraguan Farmers*

BA, International Development. May 1988. Pennsylvania State University, University Park, PA

- Curriculum concentrated in social perspectives of international development: economic and political theory as well as Science, Technology, and Society
- Minor in Spanish language, history and culture, University of Salamanca, Spain

Awards and distinctions

- Advisory Board Member, International Fund to Amplify Agro-ecological Solutions, New Venture Fund, Washington, D.C. (2012-present)
- Advisory Board Member, Swift Foundation, California (2011)
- Chair, Policy Practice Panel, Global Program on Water and Food, Addis Ababa, Ethiopia (2009)
- Finalist, Kyoto World Water Prize for 'Katalysis' as an innovative approach to helping Andean farmers cope with climate change, World Water Forum, Istanbul, Turkey (2009)
- Classification of Excellent for PhD dissertation and defence, July 2009.
- Grantee, PhD research in socio-environmental decline in the Northern Andes, CERES, The Netherlands (2003-06)
- Community and Rural Development Innovator Award for contributions to environmental conflict management, Cornell Community and Rural Development Institute, Ithaca, NY (1996)
- Planet Earth Scholar, Rotary International Foundation, Evanston, IL (1995)
- Graduated with academic distinction (3.96 GPA), Cornell University, Ithaca, NY (1995)
- Ambassadorial Scholar, Rotary International Foundation, Evanston, IL (1994-95)
- Outstanding Student Service Award, Penn State University, State College, PA (1988)
- Order of Omega for Academic Excellence, Penn State University, State College, PA (1987-88)

Professional experience

September 2009 to present:

Lecturer, Communication and Innovation Science, Social Sciences Faculty, Wageningen University, the Netherlands

- Education: Instructed undergraduate and graduate classes in: Climate Change and Agrarian Development, Management of Innovation and Cross-disciplinary Design, Communication and Policy, Facilitation of Multi-stakeholder Processes, and Methods, Techniques and Data Analysis for Field Research.

- Research: Supervised BSc, MSc, and PhD theses in Asia, Africa, and Latin America. Authored articles in practice theory associated with socio-environmental decline, in particular with concern to sustainable food, obesity, and community-based adaptation to climate change.
- Grant procurement: Wrote successful concepts and proposals for the Pan-American Health Organization, NWO-WOTRO, and the Canadian International Development Research Centre

November 2002 to June 2009:

Andes Area Representative, World Neighbors Andes Regional Office, Quito, Ecuador

- Education: Developed people-centred, community-based interventions and policy support mechanisms in sexual and reproductive health, sustainable agriculture, socio-environmental conflict management, community-supported agriculture, and climate change adaptation. Led specialized training and mentoring programs for professionals and university students on diverse technical and process-oriented themes. Instructed MSc-level courses in rural innovation and participatory research methods.
- Research: Led operational research with Cornell University, the University of Toronto, Wageningen University, HealthBridge Canada, the Fulbright Commission and others in process design soil fertility management, maternal and child health, and relationships between on-farm biodiversity and diet in Bolivia and Ecuador.
- Project management: Re-designed integrated health, agriculture, and natural resource management programmes in Bolivia, Peru, and Ecuador, supervising a regional staff of 67 in support of community-based development in over 600 remote, highland communities.
- Grant procurement: Authored and managed major grants (USD 3 million) in support of applied research and development activity with the Gates Foundation, Bergstrom Foundation, Pan-American Health and Education Foundation, McKnight Foundation, and the Global Challenge Program on Water and Food.

June 1998 to August 2002:

Associate Expert, Rural Innovation. International Potato Center (CIP), Quito, Ecuador and FAO/Global IPM Facility (GIF), Rome, Italy

- Education: Developed methodology for professional and academic training in socio-technical themes associated with ecosystem management, including: integrated crop management, farmer experimentation, and socio-environmental conflict management. Introduced Farmer Field School and Participatory Technology Development methodologies in seven countries.
- Research: Led cross-disciplinary research programs and supervised undergraduate- and graduate-level theses from Cornell University, MacMaster University, Guelph University, Wageningen University, the University of California and others on priority themes associated with agri-chemical dependence, poverty, natural resource degradation and socio-technical change.
- Project management: Coordinated CIP and GIF projects with local governments, development organizations, research centres, and universities at local, national, and regional levels.
- Grant procurement: Authored and managed grants (USD 1 million) for research and capacity-building with the International Development Research Centre, the Food and Agriculture Organization (FAO), the Inter-American Development Bank, and the World Bank.

March 1995 to March 1998:

Regional Coordinator, Central American Program. Cornell International Institute for Food,

Agriculture and Development (CIIFAD), and Liaison, Cornell-Zamorano University Development and Linkages Program. Zamorano, Honduras

- Education: Instructed university courses and supervised undergraduate and graduate research in diverse technical and process-oriented themes associated with sustainable agricultural development and Community Based Natural Resource Management.
- Research: Supervised research in agricultural (integrated pest and soil management and extension methodology) and social themes (conflict management and policy review).
- Project management: Coordinated Cornell University regional program, including collaborative research and development activities involving over 20 governmental and non-governmental organizations and a joint MSc program with the Pan-American School of Agriculture.
- Grant procurement: Negotiated major grants (USD 2.5 million) with the U.S. Agency for International Development (USAID), Bread for the World, Canadian International Development Agency, German Technical Assistance (GTZ), Inter-American Foundation, the Ford Foundation, and Canada's International Development Research Centre.

May 1994 to July 1995:

National Coordinator, Integrated Pest Management for Smallholder Farmers. Zamorano Plant Protection Department/Swiss Development Cooperation, Managua, Nicaragua

- Education: Designed and implemented capacity-building program for over 500 community leaders and professionals from numerous governmental and non-governmental organizations.
- Project management: Created and implemented knowledge-based pilot initiatives on ecosystem management for 260 Honduran and Nicaraguan farmers and public and private professionals. Hired, trained, and mentored staff and directed a national integrated pest management training programme with multi-organisational teams.
- Grant procurement: Negotiated a major grant (USD 3.5 million) for national and regional expansion with the Swiss Development Cooperation.

January 1991-December 1993:

International Consultant, Santa Lucia, Honduras and Ithaca, NY.

- Designed and implemented training in soil conservation and fertility, pest management, and grain storage for 14 Ecuadorian women leaders. Mississippi Consortium for International Development, Jackson, Mississippi.
- Conducted needs assessment and evaluation, and prepared action plan for a regional IPM project. USAID, Guatemala and Honduras.
- Co-designed and implemented 660 hours of intensive technical training for 20 prospective Peace Corps Volunteers. Center for Human Potential International, Santa Lucia, Honduras.
- Recruited and selected applicants for international volunteer positions with the Peace Corps and the United Nations. US Peace Corps/Cornell University, Ithaca, New York.

May 1988 to December 1990:

Rural Development Agent, Honduran Ministry of Natural Resources/U.S. Peace Corps. Las Quebradas, Honduras

- Education: Organized community groups and facilitated learning and experimentation for production system improvement and sustainable natural resource management.
- Research: Led action-research in hillside agriculture, limited tillage and covercrop maize systems.
- Project management: Created innovative knowledge-based, community-led development programme in three communities. Supervised and mentored a user-run savings and loan

cooperative.

Publications

Peer review

- Sherwood, S.**, M. Paredes, J. Gross, and M. Hammer. 2015. The Future of Sustainability as a Product of the Present: Lessons from Modern Food in Ecuador (Il futuro della sostenibilità come prodotto del presente: lezioni dal cibo moderno in Ecuador), *RIVISTA DI STUDI SULLA SOSTENIBILITÀ*, 21(83-103). DOI: 10.3280/RISS2014-002006. Available at: http://www.francoangeli.it/Riviste/Scheda_Rivista.aspx?idArticolo=52640
- Parsa, S., S. Mores, A. Bonifacio, T. Chancellor, B. Condori, V. Crespo-Pérez, S. Hobbs, J. Kroshel, M. Ba, F. Rebaudo, **S.G. Sherwood**, S.J. Vanek, E. Faye, M. Herrera, O. Dangles. 2014. Obstacles to IPM adoption in development countries. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 111(10): 3889-3894. doi: 10.1073/pnas.1312693111
- Sherwood, S.** and M. Paredes. 2014. The Dynamics of Perpetuation: The Politics of Keeping Harmful Pesticide Technology on the Market in Ecuador, *Nature and Culture*, 14(1): 21-44. doi:10.3167/nc.2014.090102
- Sherwood, S.**, A. Arce, P. Berti, R. Borja, P. Oyarzun, and E. Bekkering. 2013. Tackling the new modernities: Modern food and counter-movements in Ecuador, *Food Policy*, 41: 1-10.
- Oyarzun, P. R. Borja, **S. Sherwood** and V. Parra. 2013. Making sense of agribiodiversity, diet and intensification of smallholder family farming in the Highland Andes of Ecuador, *Ecology of Food and Nutrition*, 52:6: 515-541.
- Berti, P.R., A.D. Jones, Y. Cruz Agudo, S. Larrea Macías, R. Borja, and **S.G. Sherwood**. 2010. Assessment in an isolated Andean population: Current inadequacies and scope for improvement using locally available resources. *American Journal of Human Biology*, 22: 741-749.
- Perez, C., C. Nicklin, O. Dangles, S. Vanek, **S. Sherwood**, S. Halloy, K. Garrett, G. Forbes. 2010. Climate change in the high Andes: implications and adaptation strategies for small-scale farmers. *The International Journal of Environment, Culture, Economic, and Social Sustainability*, 6: 71-88.
- Cole, D., **S. Sherwood**, M. Paredes, L.H. Sanin, C. Crissman, P. Espinosa, F. Muñoz. 2007. Reducing pesticide exposure and associated neurotoxic burden in an Ecuadorian small farm population. *International Journal of Occupational and Environmental Health*. 13:281-289.
- Sherwood, S.**, D. Cole, and C. Crissman. 2007. Cultural encounters: learning from cross-disciplinary science and development practice in ecosystem health. *Development in Practice*. 12(2):179-195.
- Yanggen, D., D. C. Cole, C. Crissman, and **S. Sherwood**. 2004. Pesticide use in commercial potato production: reflections on research and intervention efforts towards greater ecosystem health in Northern Ecuador. *EcoHealth: Ecosystem Approaches to Human Health*. 1(2):72-84.
- Cole, D., **S. Sherwood**, C. Crissman, V. Barrera, and E. Espinosa. 2002. Pesticides and health in highland Ecuadorian potato production: Assessing impacts and developing responses. *International Journal for Occupational and Environmental Health*. 8(3).
- Sherwood, S.G.** 1997. Little things mean a lot: Working with Central American farmers to address the mystery of plant disease. *Agriculture and Human Values*. 14 (2): 181-189.
- Thiele, G., R. Nelson, O. Ortiz, and **S. Sherwood**. 2001. Participatory research and training: Ten lessons from Farmer Field Schools in the Andes. *Currents*. Swedish University of Agricultural Sciences. 27 December, p. 4-11.
- Sherwood, S.** and S. Larrea. 2001. Looking back to see ahead: Fifteen years of farmer innovation and leadership in Güinope, Honduras. *Agriculture and Human Values*.

18(4):465-468.

Sherwood, S.G. and N.T. Uphoff. 2000. Soil health: Research, practice, and policy for a more regenerative agriculture. *Journal of Soil Ecology*. 15: 85-97.

Books

Jacobsen, S. and **S. Sherwood**. 2002. *Production of Andean Crops in Ecuador* [in Spanish]. Ediciones Abya Yala. 98 pp.

Pumisacho, M. and **S. Sherwood** (eds.). 2002. *Potato Production in Ecuador* [in Spanish]. Ediciones Abya Yala. 228 pp.

Pumisacho, M. and **S. Sherwood** (eds.) 2000. *Learning Tools for Facilitators: Integrated Crop Management of Potato* [in Spanish]. INIAP/CIP/IIRR/FAO. 188 pp.

Pumisacho, M. and **S. Sherwood** (eds.). 2005. *Guía metodológica sobre ECAs: Escuelas de Campo de Agricultores*. Ediciones Abya Yala, Quito, Ecuador. 288 pp.

Book chapters

Arce, A, **S. Sherwood**, and M. Paredes. 2015. Repositioning Food Sovereignty: between Ecuadorian nationalist and Cosmopolitan Politics. Ch.8. in: Amy Trauger (ed.). *Food Sovereignty in Geographical Context: Discourse, Politics and Practice in Place*. Routledge Studies in Food, Society and Environment. London and New York, pp. 125-142.

Sherwood, S.G., M. Paredes, A. Ordoñez. 2014 From communication as profession to communication as being. In: E. Mendizabel (ed.): *Communication Complex Ideas: Translating Research into Practical Social and Policy Changes*. On Think Tanks, 31-56 (available at: <http://onthinktanks.org/2014/06/02/communicating-complex-ideas-the-book/>)

Sherwood, S.G. and M. Paredes. 2013. El futuro como producto del presente: caso de estudio sobre la modernización agrícola en Carchi, Ecuador. In: O. Bellettini and A. Ordonez (eds.). *Ecuador: del País Recurso al País Conocimiento*. Grupo FARO: Quito, Ecuador, ISBN: 978-9942-9899-6-3, pp 78-107.

Sherwood, S., M. Schut, C. Leeuwis. 2012. Learning in the Social Wild: Farmer Field Schools and the politics of Agricultural Science and Development in Ecuador. In: H.R., Ojha, A. Hall, R. Sulaiman (eds.). *Adaptive Collaborative Approaches in Natural Resources Governance: Rethinking Participation, Learning and Innovation*. Routledge: London, UK, 102-137.

Batta, F., S. Brescia, P. Gubbels, B. Guri, C. Jean-Baptiste, and **S. Sherwood**. 2011. Transforming NGOs for Food Sovereignty. In E. Holt-Gimenez (ed.): *Food Movements Unite*. Food First Institute for Food and Development Policy, Oakland, CA, 72-93.

Sherwood, S., D.C. Cole, C. Crissman and M. Paredes. 2005. From Pesticides to People: Improving Ecosystem Health in the Northern Andes. Chapter 10 in J. Pretty (ed.): *The Pesticide Detox: Towards a More Sustainable Agriculture*. Earthscan Publications, London, UK. 147-164.

Luther, G., C. Harris, **S. Sherwood**, K. Gallagher, J. Mangan and K. Touré Gamby. Developments and innovations in Farmer Field Schools and the Training of Trainers. 2005. Chapter 9 In: G.W. Norton, E.A. Heinrichs, G.C. Luther, M.E. Irwin (eds.): *Globalizing IPM*. Blackwell Publishing. 159-190 pp.

Sherwood, S., D. Cole y M. Paredes. 2003. Strategies for preventing exposition to pesticides [Spanish]. In D. Yanggen, C. Crissman y P. Espinosa (eds.): *Los Plaguicidas: Impactos en Salud, Productividad y Ambiente en Carchi, Ecuador*. Ediciones Abya Yala. 180-194 pp.

Crissman, C.C. D.C. Cole, **S. Sherwood**, P. Espinosa A., and D. Yanggen. 2002. Potato production and pesticide use in Ecuador: Linking impact assessment research and rural development intervention for greater eco-system health. *Proceedings: International Conference for Impact Assessment*. San Jose, Costa Rica. 4-7 February. 31 pp.

- Sherwood S.G.**, D.C. Cole, and M. Paredes. 2002. Intervention strategies for reducing risks to pesticides. [in Spanish]. Chapter 11 in D. Yanggen, C. Crissman and P. Espinosa (eds.): *The Health, Productivity and Environmental Costs of Pesticide Use in the Northern Andes*. Ediciones Abya Yala, Quito, Ecuador. 163-187 pp.
- Sherwood, S.G.**, D.C. Cole, and M. Paredes. 2001. Reduction of risks associated with fungicides: Technically easy, socially complex. In E.N. Fernández-Northcote (ed.): *Complementing Resistance to Late Blight* (*Phytophthora infestans*) *in the Andes*. Global Initiative on Late Blight, International Potato Center, Lima, Peru. 91-106.
- Chenier, J., **S. Sherwood**, and T. Robertson. 2000. Copán, Honduras: Collaboration for identity, equity, and sustainability. In: D. Buckles [ed.], *Cultivating peace: Conflict and Collaboration in Natural Resource Management*. IDRC and World Bank. 221-236 pp.
- Sherwood S.** and J. Chenier. 2000. ANAFAE and COLABORA: Lessons from experiences with collaborative networks for sustainable agriculture and natural resource management. In R.E. Rhoades and J. Stallings (eds.): *Integrated Conservation and Development in Tropical America: Experiencias and Lessons in Linking Communities and Policies*. SANREM. Chapter 19. 271-236.

Professional

- Sherwood, S. and M. Paredes. 2013.** Being the difference can make a difference: Is it time to stop capacity-building. [Spanish and English]. *ILELA Revista de Agroecología*, 29(3): 40-41.
- M. Paredes and **S. Sherwood**, 2013. Desarrollo 3.0: Hacia una práctica coherente. *Revista Allpa*. No 9: 26-28.
- Sherwood, S.**, C. Leeuwis, T. Crane. 2012. Development 3.0: Development Practice in Transition. *Farming Matters*, December: 40-41.
- Sherwood, S.** and M. Paredes. 2012. Desarrollo 3.0: Hacia una Práctica Coherente. *Revista Allpa: Agroecología, Soberanía Alimentaria y Economía Solidaria*. December, Número 9: 26-29.
- Sherwood, S.** 2010. Mobilising our greatest resource for continuity and change: people. *Farming Matters*, December: 10-11.
- Sherwood, S.** and J. Bentley. 2009. Katalysis: Andean farmers adapt to climate change. *Participatory Learning and Action, Special edition on Community-based Adaptation to Climate Change*. International Institute on Environment and Development, London, UK. Vol. 60:65-75.
- Sherwood, S.** and R. Borja. 2009. Creating an oasis in the desert. In: C de Leon, B. Douthwaite, and S. Alvarez. Most Significant Change Stories. *Global Challenge Programme on Water and Food*, 3:82-85.
- Sherwood, S.**, P. Oyarzun, R. Borja, M. Ochoa, and C. Sacco. 2009. Katalysis: Helping Andean farmers overcome climate variability [Spanish]. *LEISA*. March. 24(4):22-24.
- Schut, M. and **S. Sherwood**. 2007. FFS in translation: scaling up in name, but not in meaning (in English and Spanish). *LEISA*. December. 24(4):28-29.
- Sherwood, S.**, D. Cole, D. Murray. 2007. It's time to eliminate highly hazardous pesticides. *LEISA*. September. 23(3):32-33.
- Stern, L.J., S. Killough, R. Borja, **S. Sherwood**, N. Hernidiah, P. Joicey, and P.R. Berti. 2007. Bringing agriculture and health workers together [English and Spanish]. *LEISA*. September 23(3):6-7.
- Sherwood, S.** and G. Thiele. 2003. Facilitate and let facilitate: Enabling participants to lead Farmer Field Schools [Spanish]. *Aprendiendo con las ECAs*. *LEISA*. June, 19(1):80-94.
- Sherwood, S.** (guest editor). 2003. Aprendiendo con las ECAs. *LEISA*. June, 19(1):87pp.
- Sherwood, S.**, C. Crissman and D. Cole. 2002. Pesticide exposure in poisoning in Ecuador: A call for action. *Pesticides News*, March, 55:3-6.
- Frolick, L.M., **S. Sherwood**, A. Hemphil, and E. Guevara. 2000. Eco-papas: Through potato

- conservation towards agroecology. *ILEA*. December. pp 44-45.
- Sherwood, S.** and S. Larrea. 2001. *Participatory Methods for Community-based Natural Resource Management* [Spanish]. Learning module for the M.Sc. Program in Community-Based Natural Resource Management. Pontificate Catholic University of Ecuador. 58 pp.
- Sherwood, S.,** M. Paredes, and K. Ambrose. 2000. *From Technology Transfer to Process Management: Transition in Rural Innovation* [Spanish]. Module for the M.Sc. Program in Community-Based Natural Resource Management. Pontificate Catholic University of Ecuador. 32 pp.
- Sherwood, S.G.,** C. Crissman, and D. Cole. 2001. Potato IPM should focus on pesticide reduction. *Biocontrol News and Information*. CABI. 22(4).
- Sherwood, S.G.,** R. Nelson, G. Thiele and O. Ortiz. 2000. Farmer field schools in potato: A new platform for participatory training and research in the Andes. *ILEA*. December. 16(4):24-25.
- Sherwood, S.** and J. Bentley. 1995. Farmers explore causes of plant disease. *ILEA*. 11(1): 20-22.

Leadership

- Co-founder, PeaksOverPoverty, Ithaca, NY.
- Co-founder and Board Member, Groundswell International, Washington, DC
- Co-founder, Fundación EkoRural, Quito, Ecuador
- Co-founder, Colectivo de Agroecología, Ecuador
- Co-founder, Asociación Nacional para el Fomento de la Agricultura Ecológica, Honduras
- Co-founder, Colabora: Red para el Manejo Colaborativo de los Recursos Naturales, Honduras
- President, International Association of Camel Breeders, Ithaca, NY (1993-94)

References

- Dr. Donald Cole, Director Programme on Global Health, Dalla Lana School of Public Health, University of Toronto, 6th floor, Room 676, Health Sciences Building, 155 College St. Toronto, ON M5T3M7, tel. 416-946-7870, email: donald.cole@utoronto.ca
- Dr. Niels Röling, Professor Emeritus of Communication and Innovation Sciences, Wageningen University, The Netherlands, tel. 31-317-48-2772, email: n.roling@inter.nl.net
- Dr. Norman Uphoff, Professor of Government and International Agriculture, Cornell University, 33A Warren Hall, Ithaca, NY 14853, tel: (607) 255-1902 or 255-0831, e-mail: ntu1@cornell.edu