

## Curriculum Vitae for Clive Lightfoot

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**Family name** Lightfoot  
**First name** Clive  
**Address** Bramley Cottage, Church Lane, Bury, West  
Sussex RH20 1PB, UK.  
**Date of birth** 29th July 1953  
**Place of birth** Malacca, Malaysia  
**Nationality** British  
**Profession** Rural Development Consultant and Social  
Entrepreneur



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### Educational record

1983. PhD. Agriculture. Reading University, Dept. of Agriculture & Horticulture.  
1978. MSc. Tropical Agricultural Development. Reading University, Dept. of Agriculture & Horticulture. (ODA, Natural Resources Scholarship)  
1976. BSc. (Hons) Agricultural Botany. Reading University, Dept. of Agricultural Botany, Reading. Berkshire, U.K. (Berkshire County Council Scholarship)

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### Professional societies & associations

International Farming Systems Association: founder member, board member for networking (1990-93), President (2001-05)  
Asian Farming Systems Association: founder member and executive editor of the AFSA journal (1989-95)  
International Farming Systems Association: North American Chapter - member.  
International Farming Systems Association: European Group- member  
Southern African Association for Farming Systems Research & Extension: founder member  
Sub-Saharan African Network for Agricultural Advisory Services: member

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### Employment record

February '08 - present – CEO, Rural African Ventures Investments (RAVI), Worthing, UK..  
April '97 – February '08 – Chair, International Support Group (ISG), Amersfoort, the Netherlands  
May '95 - March '97 - Director. Infocenter for Low External Input Agriculture (ILEIA), Leusden, the Netherlands.  
August '89- April '95 - Senior Scientist and Head, Integrated Resources Management Group. International Center for Living Aquatic Resources Management (ICLARM), Manila, Philippines.  
May '88-July '89 - Farming Systems Agronomist. International Rice Research Institute, Los Baños, Philippines.  
August '84-April '88 - Associate Professor Cornell University, Ithaca, N.Y., USA., and technical advisor to the Farming Systems Development Project - Eastern Visayas. Tacloban, Philippines.  
October '78-October '82 - Technical Cooperation Officer and Farming Systems Agronomist to the Evaluation of Farming Systems and Agricultural Implements Project, Gaborone, Botswana. ODA., London, U.K.  
September '76-July '77 – Advisor contract farming, Krispee Foods Pvt. Ltd. Poona, India.

### **Professional skills**

#### Social Entrepreneur and Civil Society

Identifying, exploring and building 'inclusive' (bottom-of-the-pyramid) business ventures in rural Africa by, for and with rural Africans through close involvement in business ventures on the ground in villages and rural markets. Coaching rural entrepreneurs through pilot efforts to the point where they can absorb loans and/or equity investments for reaching commercial scale. Mentoring active exchange of business experiences enabling them learn from each other what works and what doesn't. Current ventures include Transaction Security Services for market access, Wood Energy, Solar Charging Stations, Forestry Stewardship, Rural ICT services, Village Trading Centres, and On-Farm Grain Bins. Five years as President of the International Farming Systems Association representing the interests of the scientific community on small farmer agriculture. Representative of the Science and Technology Major Group in the UN ECOSOC "Commission for Sustainable Development" dialogue. Representative for S&T major group on the FAO hosted Sustainable Agriculture and Rural Development (SARD) Initiative following the World Summit on Sustainable Development in Johannesburg 2002.

#### Soft Systems Science and Action Research

Twenty years experience in international research organizations ranging from Donor development projects, universities, and international research institutions developing soft systems science and action research approaches to agroecosystems management, and the complex organizational change around multi-stakeholder management of natural resources. First as Farming Systems Agronomist to the UK government funded Evaluation of Farming Systems and Agricultural Implements Project in Botswana. Over the five years I was with Cornell University I both taught in Ithaca on a post graduate course in Farming Systems Research and in the Philippines where I coordinated the Farming System Research programme with the Dept. of Agriculture and the Visayas State College of Agriculture. During my tenure with the CGIAR centers I coordinated IRRI's farming systems research for the Asian Farming Systems Network and ICLARM's integrated natural resources management programme in Ghana, Malawi, Bangladesh, Vietnam and the Philippines. I also conducted a series of action research exercises in Agroecosystems analysis, diagnosis of farmer problems and the participatory design of on-farm experiments in India with the Ford Foundation. There followed three years action research on low external input farming systems in Ghana, Peru and the Philippines as director of ILEIA.

#### Experiential Learning and Training

Ten years experience in the development of experiential learning approaches a) establish multi-stakeholder learning systems for the decentralization and privatisation of agricultural support services in Kenya, Uganda, Tanzania, Ghana, and b) facilitate complex organizational change around multi-stakeholder management of natural resources in Peru, Uganda and Canada. More recent experiences include developing internet learning support services ([www.linkinglearners.net](http://www.linkinglearners.net)) to enhance and upscale local learning efforts in the fields of agricultural marketing, information and communication management and agricultural extension services. Ten years experience in training farmers, extension agents, local government officials, researchers and NGO staff in experiential learning processes for improved marketing, research and extension services as well as village planning. I have also been a trainer on ICRA's six month course in development oriented agriculture. I have also given training in soft systems methods to DSE's International training courses, the Maitland Valley Conservation Authority in Ontario, Canada, and CARE's Development Through Conservation project participants in Uganda. I have also developed CDROM interactive learning resources a) project review and evaluation, b) understanding and communicating complex issues in watershed management, c) decentralization of agricultural support services, and d) vision based environmental action planning.

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### **Country experience record**

Ghana, Benin, Kenya, Uganda, Tanzania, Malawi, Zimbabwe, Botswana, Zambia, Philippines, Vietnam, Bangladesh, Sri Lanka, India, Nepal, Peru.

### Selected Publications - Articles

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- Lightfoot, C., U. Scheuermeier. 2003. From 'Good' Research to the 'Right' Research: The role of Civil Society in Research Decision Making for Sustainable Agriculture and Rural Development. *BeraterInnen News* 2/03: 70-73
- Lightfoot, C., R. Ramirez, A. Groot, R. Noble, M. Fernandez. 2003. Linked Local Learning: The emergence of demand driven development. *Entwicklung + ländlicher Raum: Volume 5/03: 23-25*
- Lightfoot, C., R. Noble. 2001. Tracking Ecological Soundness of Farming Systems: Instruments and Indicators. *Journal of Sustainable Agriculture*. 19 (1): 9-29.
- Lightfoot, C., R. Ramirez, A. Groot, R. Noble, F. Shao, D. Kisauzi, C. Alders, I. Bekalo. 2001. Learning Our Way Ahead: A Linked Local Learning Approach to Decentralization. Gatekeeper Series 98. IIED, London.
- Ramirez, R., C. Lightfoot. 2001. Learning Our Way into Decentralized, Privatized, Agricultural Services in East Africa. IUCN Collaborative Management Working Group Newsletter No 5, IUCN, Gland, Switzerland.
- Lightfoot, C. 1996. Speaker's Corner -Integrated Agriculture not an Option but an Imperative. *SPORE* 62:7-8
- Jiggins, J., C. Reijntjes and C. Lightfoot. 1996. Mobilizing Science and Technology to get Agriculture Moving in Africa: A Response to Borlaug and Dowsell. *Development Policy Review* 14 (1) 89-103.
- Bimbao, M.A., T. Lopez and C. Lightfoot. 1995 Learning About Sustainability. *ILEIA* 11(2): 28 - 30.
- Dalsgaard, J.P.T., C. Lightfoot, and V. Christensen. 1995. Towards quantification of ecological sustainability in farming systems analysis. *Ecological Engineering* 4:181-189.
- Lightfoot, C. 1994. Book Review - Challenging the Professions by Robert Chambers. *American Journal of Alternative Agriculture* 9(4): 196.
- Lightfoot, C., M. Prein and T. Lopez. 1994. Bioresource flow modelling with farmers. *ILEIA Newsletter*. 10 (3): 22-23.
- Lightfoot, C., P.T. Dalsgaard, M.P. Bimbao, and F. Fermin. 1993. Farmer Participatory Procedures for Managing and Monitoring Sustainable Farming Systems. *Journal of the Asian Farming Systems Association*. 2(2): 67-87.
- Lightfoot, C., M.P. Bimbao, P.T. Dalsgaard, and R.S.V. Pullin. 1993. Aquaculture and Sustainability through Integrated Resource Management. *Outlook in Agriculture* 22 (3): 143-150.
- Lightfoot, C., P. Pingali, and L. Harrington. 1993. Beyond Romance and Rhetoric: Sustainable Agriculture and Farming Systems Research. *Naga ICLARM Quarterly* 16(1): 17-18.
- Ofori, J., M. Prein, F. Fermin, D. Owusu, and C. Lightfoot. 1993. Farmers Picture New Activities. *ILEIA Newsletter* 9(1): 6-7.
- Lightfoot, C., and R. Noble. 1993. A Participatory Experiment in Sustainable Agriculture. *Journal for Farming Systems Research and Extension*. 4(1): 11-34.
- Horstkotte, G., C. Lightfoot, H. Waibel, and P. Kenmore. 1992. Integrated Pest Management and Aquatic Life Management: A Natural Partnership for Rice Farmers? *Naga ICLARM Quarterly* 15(3): 15-16.
- Lightfoot, C., M.V. Gupta, and M. Ahmed. 1992. Low External Input Sustainable Aquaculture for Bangladesh - An Operational Framework. *Naga ICLARM Quarterly* 15(3): 9-12.
- Pauly, D., and C. Lightfoot. 1992. A New Approach for Analyzing and Comparing Coastal Resource Systems. *Naga ICLARM Quarterly* 15(2): 7-10.
- Lightfoot, C. 1992. Integrate Fish Farming. *International Agricultural Development*. 12(1): 12.
- dela Cruz, R.C., C. Lightfoot and R.C. Sevilleja. 1992. Rice-Fish Farming in the Philippines: The Farmer's Perspectives. *World Aquaculture* 23(1): 52-55.
- Lightfoot, C., and R.S.V. Pullin. 1991. Why Asian FSRE Needs Qualitative Methods for Integrating Agriculture and Aquaculture. *Journal of the Asian Farming Systems Association*. 1 (1): 201 - 215.

### Articles (continued)

- Lightfoot, C. 1991. A Qualitative Method for Modelling Integrated Aquaculture-Agriculture Farming Systems. *Culture & Agriculture* 41: 7-9.
- Lightfoot, C., and D. Minnick. 1991. Farmer-First Methods: Farmers' Diagrams for Improving Methods of Experimental Design in Integrated Farming Systems. *Journal for Farming Systems Research and Extension* 2(1): 1-125.
- Lightfoot, C. 1990. Integrated Route to Sustainable Farming. *International Agricultural Development*. 10(2): 9-11.
- Harrington, L., P. Hobbs, T. Pokhrel, B. Sharma, S. Fujisaka and C. Lightfoot. 1990. The Rice-Wheat Pattern in the Nepal Terai: Issues in the Identification and Definition of Sustainability Problems. *Journal for Farming Systems Research and Extension* 1(2): 1-28.
- Lightfoot, C. 1990. Integration of Aquaculture and Agriculture: A Route to Sustainable Farming Systems, Naga, *ICLARM Quarterly*. 13(1): 9-12.
- Lightfoot, C. and Nguyen Anh Tuan. 1990. Drawing Pictures of Farms Helps Everyone. *ILEIA Newsletter* 6(3): 18-19.
- Lightfoot, C., P.A. Roger, A.G. Cagauan and C.R. dela Cruz. 1990. A Fish Crop May Improve Rice Yields and Ricefields. Naga, *ICLARM Quarterly*. 13(4): 12-13.
- Lightfoot, C., C.R. dela Cruz, and V.R. Carangal. 1990. International Research Collaboration in Rice-Fish Research. Naga, *ICLARM Quarterly*. 13(4): 10-11.
- Lightfoot, C. 1989. Farmer First Approach, p.45-49. *In* J. van der Kamp and P. Schuthof (eds.). *Methods of Participatory Technology Development: Theoretical and Practical Implications*. ILEIA, Leusden, Netherlands. 79p.
- Lightfoot, C., O. de Guia, Jr. and F. Ocado. 1988. A Participatory Method for Systems-Problem Research: Rehabilitating Marginal Uplands in the Philippines. *Experimental Agriculture*. 24: 301-309.
- Lightfoot, C., and F. Ocado. 1988. A Philippine Case on Participative Technology Development. *ILEIA* 4(3): 18-19.
- Lightfoot, C., and R. Barker. 1988. On-Farm Trials: A Survey of Methods. *Agricultural Administration and Extension*. 30(1): 15-23.
- Lightfoot, C., K. Dear and R. Mead. 1987. Intercropping Sorghum and Cowpea in Dryland Farming Systems in Botswana: Part II - Comparative Stability of Alternative Cropping Systems. *Experimental Agriculture* 23: 435-442.
- Lightfoot, C., and R.S. Tayler. 1987. Intercropping Sorghum and Cowpea in Dryland Farming Systems in Botswana: Part I - Field Experiments and Relative Advantages of Intercropping. *Experimental Agriculture* 23: 425-434.
- Lightfoot, C. 1987. Indigenous Research and On-Farm Trials. *Agricultural Administration and Extension*. 24(2): 79-89.
- Lightfoot, C., R. de Pedro, D. Apura, M. Acaba and J. Cabiling. 1986. Screening of Sweet Potato Varieties by Subsistence Farmers in the Philippines: A Case of Traditional Experimentation in Upland Agriculture. *Annals of Tropical Research*. 8(4): 201-207.
- Lightfoot, C. 1984. Agronomic Techniques for the Diagnosis of Farmers' Problems. *CIMMYT Farming Systems Newsletter* No. 16: 3-7.
- Lightfoot, C. 1982. Agricultural Research for Development of Small Farmers: A Closer Look at Traditional Technology. *Botswana Notes and Records*, Vol. 14: 51-58.
- Lightfoot, C. 1981. Experiences in Designing and Evaluating Technical Packages for Small Farmers: The Case of Botswana. *CIMMYT Farming Systems Newsletter* No. 6: 8-12.

### Book Chapters

- Noble, R.; Ramírez, R. & Lightfoot, C. 2003. Integrating “soft” systems thinking into environmental planning: a learning approach. In: D. Waltner-Toews, J. Kay & N-M. Lister (eds.) *The Ecosystem Approach: Complexity, Uncertainty, and Managing for Sustainability*. Columbia University Press.
- Lightfoot, C., et al. 2001. Chapter 10: A Learning Approach to Community Agroecosystem Management. In C. Flora (Ed). *Interactions between Agroecosystems and Rural Communities*. CRC Press, Boca Raton, Fla. USA.
- Lightfoot, C. 2000. Chapter 11: At the Cutting Edge. 11.5 Agroecosystems Analysis: A systems application with a future. In M.Collinson (Ed). *A History of Farming Systems Research*. CABI Publishing, Wallingford UK.
- Collinson, M., C. Lightfoot. 2000. Chapter 12: Future Directions for Farming Systems Research. In M.Collinson (Ed). *A History of Farming Systems Research*. CABI Publishing, Wallingford UK.
- Lightfoot, C., R. Noble. 1999. Tracking the Ecological Soundness of Farming Systems: Instruments and Indicators. In *Proceedings of Sustaining Agriculture in the 21<sup>st</sup> Century: Thinking Outside the Box*. University of Guelph, Canada.
- Lightfoot, C., R. Noble. 1999. Chapter 17: A Farming Systems Approach to Ecological Agricultural Research. In J. Devlin, and T. Zettel, Eds *Ecoagriculture: Initiatives in Eastern and Southern Africa*. Weaver Press. Harare. Zimbabwe.
- Lightfoot, C. 1997. Promoting Low External Input Agriculture: from LEIA to Intensive Integrated Farming Systems. p.70-91 In F.Dolberg and P.H. Petersen. (Eds) *Maximizing the Influence of the User: Alternatives to the Training & Visit System*. DSR Forlag, Aarhus, Denmark. 259p.
- Lightfoot, C. 1995. 27 Using Indigenous Knowledge Systems in the Design of On-Farm Experiments - A Philippine Case. p.348-353. In M.D. Warren, L.Jan Slikkerveer, D. Brokensha (eds). *The Cultural Dimension of Development*. Intermediate Technology Publications, London, UK. 582p.
- Lightfoot, C., S. Feldman and M. Zainul Abedin. 1994. 1.8 Incorporating Gender in Conceptual Diagrams of Households and Agroecosystems. p. 66-70. In: H.Sims Feldstein and J. Jiggins (eds.) *Tools for the Field: Methodologies Handbook for Gender Analysis in Agriculture*. Kumarian Press, Inc., USA, 270p.
- Lightfoot, C. 1990. Part VIII: Agroecosystems Mapping - a Tool for Sustainable Agriculture Workers, p.176-178. In L.N. Capistrano, J.Durno, I.Moeliono (eds) *Resource Book on Sustainable Agriculture for the Uplands*. IIRR, Silang, Cavite, Philippines. 199p.
- Lightfoot, C. 1990. Participatory Methods for Ecologically Sound Agriculture, p.15-30. In R.E. Rhoades, V.N. Sandoval, C.P. Bagalanon (eds.) *Asian Training of Trainors on Farm Household Diagnostic Skills*. CIP, Los Baños, Philippines. 181p.
- Lightfoot, C., O. de Guia., A. Aliman and F. Ocado. 1989. 2.7 Systems Diagrams to Help Farmers Decide in On-Farm Research. p. 93-100. In R. Chambers., A. Pacey and L.A. Thrupp (eds.). *Farmer First: Farmer Innovation and Agricultural Research*. Intermediate Technology Publications, London, UK. 218p.

## ***Curriculum Vitae for Clive Lightfoot***

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### **Books**

- Lightfoot, C., C. Alders, F. Dolberg. Editors. 2001. Linking Local Learners: Negotiating New Development Relationships between Village, District and Nation. ISG/CTA. Wageningen, Netherlands.
- Lightfoot, C., M. Bimbao, T. Lopez, F. Villanueva, E. Orenca, J. Dalsgaard, F. Gayanilo, Jr., M. Prein and H. McArthur. 1999. Research tool for natural resource management, monitoring and evaluation: field guide. ICLARM Software 9, Vol. I. International Center for Living Aquatic Resources Management, Makati City, Metro Manila, Philippines. 79 p.
- Prein, M., J.K. Ofori, and C. Lightfoot. Editors. 1996. Research for the Future Development of Aquaculture in Ghana. ICLARM Conf. Proc. 42, ICLARM, Manila, Philippines. 94p.
- de la Cruz, C. R., C. Lightfoot, B. A. Costa-Pierce, V.R. Carangal, and M. P. Bimbao. Editors. 1992. Rice-Fish Research and Development in Asia. ICLARM Conf. Proc. 24, ICLARM, Manila, Philippines. 457p.
- Lightfoot, C.R., R. Noble and R. Morales. 1991. Training Resource Book on a Participatory Method for Modeling Bioresource Flows. ICLARM Educ. Ser. 14. ICLARM, Manila, Philippines. 30p.
- Lightfoot, C., S. Feldman and M.Z. Abedin. 1991. Households, Agroecosystems and Rural Resources Management: A Guidebook for Broadening the Concepts of Gender and Farming Systems. ICLARM Educ. Ser. 12, BARI, Joydebpur, Bangladesh, and ICLARM, Manila, Philippines. 86p.
- Lightfoot, C., N. Axinn, K.C. John, R. Chambers, R.K. Singh, D. Garrity, V.P. Singh, P. Mishra and A. Salman. 1991. Training Resource Book for Participatory Experimental Design. NDUAT, Faizabad, UP, India, ICLARM, Manila, Philippines, and IRRI, Los Banos, Philippines. 73p.
- Lightfoot, C., V.P. Singh, T. Paris, P. Mishra and A. Salman. 1990. Training Resource Book for Farming Systems Diagnosis. IRRI, Los Banos, Philippines and ICLARM, Manila, Philippines. 61p.
- Lightfoot, C., N. Axinn., V.P. Singh., A. Bottrall and G. Conway. 1989. Training Resource Book for Agro-Ecosystem Mapping. IRRI, Los Banos, Philippines. 40p.
- Cornick, T.R., W. Kline, J.E. Uquillas, C. Lightfoot and L. Zuidema. 1987. Institutionalizing Farming Systems Research and Extension: Cornell University's Experience in Ecuador and the Philippines. Cornell International Agriculture Monograph No. 117. Ithaca, New York, USA. 53p.

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### **CD ROM's**

- Lightfoot, C., U. Scheuermeier, K. Gallagher, J. Nymand. S. Chipeta, G. Wesseler. 2004. Local Lesson Learning in Demand Driven Services. Resource CD prepared for IFAD, Rome. Italy.
- Lightfoot, C., R. Ramirez, R. Noble, A. Groot. 2002. Learning Facilitators Resource Kit. Resource CD prepared for the National Agricultural Advisory Service (NAADS), Kampala, Uganda.
- Lightfoot, C. R. Noble. 2001. A Learning Process for Forestry Services, Uganda: Supporting Innovation in the Provision of Privatised Forestry Services. Learning Resources CD prepared for Forest Sector Co-ordination Secretariat, Kampala, Uganda.
- Lightfoot, C. S. Okalebo. 2001. A Learning Process for Developing Guidelines on Vision-based Environmental Action Planning. Learning Resource CD prepared for USAID, Conserve BioDiversity Support Project, Kampala. Uganda.
- Lightfoot, C. D. Richardson and I. Tiemogo. 2000. Internet Use and Diagnostic Study East Africa. CD prepared for CTA. Wageningen, Netherlands.
- Lightfoot, C., R. Ramirez, R. Noble, M. Fernandez, A. Groot. J. Cook. 1999. Linked Local Learning: A Resource CD. Resource CD prepared for Danida East African Seminar Project. Danida, Copenhagen. Denmark.
- Lightfoot, C. 1999. Learning Approach to Project Review. CD prepared for Development Through Conservation Project, CARE Uganda.
- Lightfoot, C., R. Ramirez, R. Noble. 1999. Techniques to understand and communicate complex issues: Enhancing Skills in Systems Thinking. Learning Resource CD prepared for Maitland Valley Conservation Authority, Ont. Canada.