Participants’ profiles
This section contains information about the participants in the writeshop at Kalk Bay, Cape Town, South Africa, that drafted this book. A full list of contributors (including those who did not attend the writeshop) is given in the List of contributors near the front of this book.

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Maryam helps manage Tiviski, a dairy in Mauritania. She organizes milk collection,安排s milk processing and sales, and manages personnel and accounts. Along with her husband, she recently took over the dairy when her mother and company founder, Nancy Abeiderrahmane, retired from a management role.

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Currently based in Ethiopia, Getachew is a visiting scientist at ILRI and coordinates research in the Global Livestock Collaborative Research Support Program (GL-CRSP), Pastoral Risk Management (PARIMA) Project led by Utah State University. He holds a PhD from the University of Wisconsin-Madison, and previously was a senior lecturer at Alemaya University of Agriculture, Ethiopia. He is also the Africa coordinator for the Endogenous Livestock Development Network for strengthening local initiatives to use resources sustainably.

MEG JORDI
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Meg has worked as a self-employed illustrator for the past 15 years. She has a wide range of experience working with local and international NGOs, publishers, authors and editors, in a variety of styles and mediums, including detailed naturalistic illustrations, simple black-and-white line drawings, and watercolours. She draws illustrations in a whimsical New Yorker style for the South African magazine Noseweek. She is frequently commissioned to illustrate children’s books as well as textbooks and handbooks about environmental issues.

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Raziq studied camel husbandry and pastoralism for his PhD research in northeastern Balochistan, Pakistan. He has worked as an extension worker in the Department of Livestock and Dairy Development, Balochistan. He works with livestock keepers in remote areas of Pakistan, and is organizer of the Camel Association of Pakistan. He is currently working on the characterization and documentation of indigenous livestock breeds in Balochistan.

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Carol is director of Odessa Centre Ltd., a small, British-based research and consultancy company specializing on extensive livestock production and marketing. She is a social anthropologist focusing on pastoralism in Africa and Asia. From 1998 to 2006 she worked on livestock and cashmere marketing development with the USAID-funded Global Livestock Collaborative Research Support Program. She has led efforts to develop cashmere production and marketing in Kazakhstan and Kyrgyzstan, and has carried out consultancies on cashmere assessment and marketing in Tajikistan, Kyrgyzstan and Afghanistan.

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After completing his diploma in agriculture at Cedara College of Agriculture in South Africa, Zama worked as a marketing adviser with Stockowners Co-op Ltd, a large livestock marketing cooperative. In 2004 he joined Scientific Roets, a rural development company. His tasks there include project management, developing learning materials and capacity building, social facilitation, project implementation, conducting feasibility studies and writing business plans. He is currently studying for an Associate in Management qualification at the University of Cape Town Graduate School of Business.

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Evelyn is a German veterinarian with a doctorate from the University of Giessen in Germany, an MS in international development from Iowa State University, and a board certification in tropical veterinary medicine. She has over 25 years of experience in international development, focusing on livestock production and indigenous knowledge and worked with both universities and non-government organizations in India, Indonesia, Philippines, Thailand, Tunisia, and eastern Africa. She is a board member of the League for Pastoral Peoples and Endogenous Livestock Development.

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Mpho graduated with a national diploma in animal production from the Mangosuthu University of Technology in 2002, and then worked as a poultry technician with the University of KwaZulu-Natal and a private company. Since joining Scientific Roets in 2006, he has worked on capacity building, developing learning materials, reporting, proposal writing and assessing and moderating training. He is a registered assessor and moderator for the Agricultural Sector Education Training Authority in South Africa.
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Paul is a British consultant in development communication. He holds a PhD in journalism and mass communications from the University of Wisconsin-Madison. He specializes in easy-to-understand extension materials, developed through intensive writeshops like the one used to produce this book. He also provides consultancy services throughout the developing world in various aspects of development communication.

MICHELE NORI  
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Michele is a tropical agronomist with a PhD in development sociology. He has 12 years’ experience in different regions of the world in livelihood systems, natural resource management and food security in marginal areas, particularly with pastoral and agro-pastoral communities. He has worked with various organizations, including UN agencies, the European Union, international NGOs, government agencies, and international agricultural research institutes. He is particularly interested in community-based approaches and research-development interfaces.

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At the time this book was written Nikola was project manager of the World Initiative for Sustainable Pastoralism, a global advocacy and capacity-building initiative that promotes sustainable pastoral development for poverty reduction and environmental management. She was previously working at IFAD and FAO on sustainable drylands development and pastoralism. With a background as a geographer, she is interested in integrated development approaches, drylands and pastoralism. She now works with the UN Convention to Combat Desertification in Bonn, Germany.

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Justice is an environmental lawyer with 12 years of professional experience. A barrister in both Nigeria and Cameroon, he holds an LLM degree in environmental law from the University of London. He is principal partner of the company Galaxy Law, and is executive
Participants’ profiles

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Sabine is programme director of IPECON, which supports community-driven conservation and people-centred development to protect biodiversity and overcome poverty. Her work in Mongolia and elsewhere in East and Central Asia has been on community-based conservation and protected areas, mobile pastoral land use and livelihoods, and capacity building for NGOs. She has worked with various development agencies and NGOs, and has researched on common property resource management, rural livelihoods and community-based approaches to biodiversity conservation.

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Julieta is an ecologist interested in the sustainable use of biodiversity. Her interests include rangelands related to wildlife management and maintaining biodiversity within agricultural ecosystems. Her focus is on developing fibre production from wild South American camelids, and promoting value chains of their products. She has developed systems to manage wild and captive guanacos, and is involved in the production and marketing of guanaco and cashmere fibre in Patagonia.

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Sabyr is a livestock expert who specializes in organizing farmer cooperatives, cashmere goat breeding, and fibre production. Under the GTZ goat project, he has helped form a farmers’ association for cashmere goats, conducted training for farmers on cashmere goat breeding, feeding, combing and sorting of fibres. In 2008 he joined with Odessa Centre Ltd. to manage a technical assessment of cashmere, market promotion and farmer training for the Aga Khan Foundation. He has since helped set up an elite cashmere goat breeding project in Kyrgyzstan.
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Wanyama is a veterinarian with over 20 years of experience in livestock development in East and Southern Africa, where he has worked in government and international development organizations and has implemented community-based livestock development projects. He has conducted extensive research on livestock practices used by pastoralists. Until 2008 he was country director for VETAID in Mozambique. He is currently the Africa Coordinator of the LIFE Network, an organization that seeks to empower local livestock keepers through the use of their local breeds.
**FAO TECHNICAL PAPERS**

**FAO ANIMAL PRODUCTION AND HEALTH PAPERS**

2. Eradication of hog cholera and African swine fever, 1976 (E F S)
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7 Rev. 1 The environmental impact of tsetse control operations, 1980 (E F)
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18. Feed from animal wastes: state of knowledge, 1980 (C E)
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20/1 Trypanotolerant livestock in West and Central Africa – Vol. 1. General study, 1980 (E F)
20/2 Trypanotolerant livestock in West and Central Africa – Vol. 2. Country studies, 1980 (E F)
20/3 Le bétail trypanotolérant en Afrique occidentale et centrale – Vol. 3. Bilan d’une décennie, 1988 (F)
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23. Disease control in semen and embryos, 1981 (C E F S)
25. Reproductive efficiency in cattle, 1982 (C E F S)
26. Camels and camel milk, 1982 (E)
27. Deer farming, 1982 (E)
28. Feed from animal wastes: feeding manual, 1982 (C E)
30. Sheep and goat breeds of India, 1982 (E)
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54 Small ruminants in the Near East – Vol. I. Selected papers presented for the Expert Consultation on Small Ruminant Research and Development in the Near East (Tunis, 1985), 1987 (E)
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58 Small ruminant production in the developing countries, 1986 (E)
59/1 Animal genetic resources data banks – 1. Computer systems study for regional data banks, 1986 (E)
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59/3 Animal genetic resources data banks – 3. Descriptor lists for poultry, 1986 (E F S)
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67/1 Trypanotolerant cattle and livestock development in West and Central Africa – Vol. I, 1987 (E)
67/2 Trypanotolerant cattle and livestock development in West and Central Africa – Vol. II, 1987 (E)
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70 Sheep and goat meat production in the humid tropics of West Africa, 1989 (E/F)
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(Published as Training manual for extension workers, M/S5840E)
72 Sugarcane as feed, 1988 (E/S)
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100 Programme for the control of African animal trypanosomiasis and related development, 1992 (E)
101 Genetic improvement of hair sheep in the tropics, 1992 (E)
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103 Improving sheep reproduction in the Near East, 1992 (Ar)
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122 El capibara (*Hydrochoerus hydrochaeris*) – Estado actual de su producción, 1994 (S)
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124 L'approvisionnement des villes africaines en lait et produits laitiers, 1995 (F)
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<td>Village chicken production systems in rural Africa – Household food security and gender issues, 1998 (E)</td>
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<td>Animal production based on crop residues – Chinese experiences, 2001 (C E)</td>
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Goose production, 2002 (E F)
Agroforestería para la producción animal en América Latina – II, 2003 (S)
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Livestock keepers – guardians of biodiversity (E)
Adding value to livestock diversity – Marketing to promote local breeds and improve livelihoods (E)

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Many local livestock breeds and minor species are in decline and may be lost because they cannot compete with high-yielding exotic breeds. Conserving these breeds is important: many have unique traits, such as hardiness and disease resistance, that are vital for future livestock production. One way to help ensure their survival may be to sell products from these breeds to high-value, specialist markets.

The Global Plan of Action for Animal Genetic Resources acknowledges the importance of market access to the sustainable use of livestock diversity and calls for development of markets for products derived from local species and breeds, and for strengthening processes that add value to their products.

This publication describes eight examples of marketing of livestock products (wool, cashmere, milk, meat and hides) from local breeds of Bactrian camels, dromedaries, goats and sheep in seven countries in Africa, Asia and Latin America. It shows how they have kept local breeds in use, while enabling the small-scale livestock keepers and pastoralists who raise them to improve their livelihoods.