#### International Political Economy Series

General Editor: Timothy M. Shaw, Professor and Director, Institute of International Relations, The University of the West Indies, Trinidad & Tobago

#### Titles include:

Glenn Adler and Jonny Steinberg (editors)

FROM COMRADES TO CITIZENS

The South African Civics Movement and the Transition to Democracy

Glenn Adler and Eddie Webster (editors)

TRADE UNIONS AND DEMOCRATIZATION IN SOUTH AFRICA, 1985–1997

Einar Braathen, Morten Bøås and Gutermund Sæther (editors)

ETHNICITY KILLS?

The Politics of War, Peace and Ethnicity in Sub-Saharan Africa

Deborah Bräutigam

CHINESE AID AND AFRICAN DEVELOPMENT

**Exporting Green Revolution** 

Pádraig Carmody

NEOLIBERALISM, CIVIL SOCIETY AND SECURITY IN AFRICA

Gavin Cawthra

SECURING SOUTH AFRICA'S DEMOCRACY

Defence, Development and Security in Transition

Jennifer Clapp

ADJUSTMENT AND AGRICULTURE IN AFRICA

Farmers, the State and the World Bank in Guinea

Neta C. Crawford and Audie Klotz (editors)

HOW SANCTIONS WORK

Lessons from South Africa

Staffan Darnolf and Liisa Laakso (editors)

TWENTY YEARS OF INDEPENDENCE IN ZIMBABWE

From Liberation to Authoritarianism

Susan Dicklitch

THE ELUSIVE PROMISE OF NGOS IN AFRICA

Lessons from Uganda

Kevin C. Dunn and Timothy M. Shaw (editors)

AFRICA'S CHALLENGE TO INTERNATIONAL RELATIONS THEORY

Kenneth Good

THE LIBERAL MODEL AND AFRICA

Elites Against Democracy

Peter Gibbon, Stefano Ponte and Evelyne Lazaro (editors)

GLOBAL AGRO-FOOD TRADE AND STANDARDS

Challenges for Africa

International Political Economy Series
Series Standing Order ISBN 978-0-333-71708-0 hardcover
Series Standing Order ISBN 978-0-333-71110-1 paperback
(outside North America only)

You can receive future titles in this series as they are published by placing a standing order. Please contact your bookseller or, in case of difficulty, write to us at the address below with your name and address, the title of the series and one of the ISBNs quoted above.

Customer Services Department, Macmillan Distribution Ltd, Houndmills, Basingstoke,

Hampshire RG21 6XS, England

# Global Agro-Food Trade and Standards

### Challenges for Africa

Edited by

Peter Gibbon

Stefano Ponte

and

Evelyne Lazaro





Introduction, conclusion, selection and editorial matters © Peter Gibbon, Stefano Ponte and Evelyne Lazaro 2010 Individual chapters © contributors 2010

Softcover reprint of the hardcover 1st edition 2010 978-0-230-57951-4

All rights reserved. No reproduction, copy or transmission of this publication may be made without written permission.

No portion of this publication may be reproduced, copied or transmitted save with written permission or in accordance with the provisions of the Copyright, Designs and Patents Act 1988, or under the terms of any licence permitting limited copying issued by the Copyright Licensing Agency, Saffron House, 6-10 Kirby Street, London EC1N 8TS.

Any person who does any unauthorized act in relation to this publication may be liable to criminal prosecution and civil claims for damages.

The authors have asserted their rights to be identified as the authors of this work in accordance with the Copyright, Designs and Patents Act 1988.

First published 2010 by PALGRAVE MACMILLAN

Palgrave Macmillan in the UK is an imprint of Macmillan Publishers Limited, registered in England, company number 785998, of Houndmills, Basingstoke, Hampshire RG21 6XS.

Palgrave Macmillan in the US is a division of St Martin's Press LLC, 175 Fifth Avenue, New York, NY 10010.

Palgrave Macmillan is the global academic imprint of the above companies and has companies and representatives throughout the world.

Palgrave® and Macmillan® are registered trademarks in the United States, the United Kingdom, Europe and other countries.

ISBN 978-1-349-36814-3 ISBN 978-0-230-28135-6 (eBook) DOI 10.1057/9780230281356

This book is printed on paper suitable for recycling and made from fully managed and sustained forest sources. Logging, pulping and manufacturing processes are expected to conform to the environmental regulations of the country of origin.

A catalogue record for this book is available from the British Library.

Library of Congress Cataloging-in-Publication Data Global agro-food trade and standards: challenges for Africa / edited by Peter Gibbon, Evelyne Lazaro, Stefano Ponte.

- p. cm. (International political economy series)
- 1. Farm produce—Standards—Africa. 2. Food industry and trade—Standards—Africa. 3. Agriculture—Economic aspects—Africa.

I. Gibbon, Peter. II. Lazaro, Evelyne. III. Ponte, Stefano. TX537.G56 2010

363.19′26096—dc22 2010002687

10 9 8 7 6 5 4 3 2 1 19 18 17 16 15 14 13 12 11 10

# Contents

List	t of Tables, Figures and Map	viii
Ack	nowledgements	xi
Noi	tes on Contributors	xii
List	t of Acronyms	xvi
1	Agro-Food Standards and Africa: An Introduction Peter Gibbon and Evelyne Lazaro	1
	Governing through standards Trends in agro-food standards Standards, global value chain restructuring and exclusion Interventions aimed at greater inclusivity The contributions to this volume	1 3 10 14 18
2	Product Carbon Footprint Standards and Schemes Simon Bolwig and Peter Gibbon	21
	Introduction Why carbon footprinting? Methodological issues in product carbon footprinting ISO environmental standards and carbon footprinting Characteristics of product carbon footprinting schemes Consumer perceptions of and reactions to PCF Discussion and conclusion	21 23 24 26 28 38 39
3	Institutional Capacity for Food Safety Conformity in Tanzania Adam Akyoo and Evelyne Lazaro	43
	Introduction The spice sector in Tanzania Standards for spices Local capacity for standards conformity assessment Concluding remarks	43 45 45 55 66

4	An Analysis of Organic Contract Farming Schemes in East Africa Peter Gibbon, Adam Akyoo, Simon Bolwig, Sam Jones, Yumiao Lin and Louise Lund Rants	70
	Introduction	70
	Contract farming in Africa	71
	The economics of organic farming	74
	The organic contract farming schemes surveyed	75
	Research questions and methods	82
	Results	85
	Interpretation	94
	Conclusion	96
	Appendix: analytical strategy	98
5	Challenges and Opportunities of Organic Agriculture	
	in Tanzania	101
	Emmanuel R. Mbiha and Gasper C. Ashimogo	
	Introduction	101
	Background	101
	Developments in organic production, processing and	
	marketing in Tanzania	103
	Problems, prospects and future outlook of the organic sector	109
	Conclusion	111
	Appendix	112
6	Sustainability Standards and Agro-Food Exports from	
	East Africa	120
	Evelyne Lazaro, Lone Riisgaard, Fredy Kilima, Jeremiah Makindara and Raymond Mnenwa	
	Introduction	120
	Sustainability standards	121
	The standards and their local adoption	123
	UTZ CERTIFIED coffee in Tanzania	125
	GlobalGAP certified vegetables in Tanzania	127
	Social standards in the cut flower industries of Kenya and	
	Tanzania	131
	Conclusion	134
7	Localizing Private Social Standards: Standard Initiatives in	
	Kenyan Cut Flowers Lone Riisgaard	136
	Introduction	136
	Private social standards and cut flowers in Kenya	138

		Contents	vii
	Kenyan social standard initiatives Conclusion		144 157
8	Food Safety Standards and Fishery Livelihoods in East Africa Reuben M.J. Kadigi, Ntengua S.Y. Mdoe, Ephraim Senkondo and Zena Mpenda		162
	Introduction The development of the Nile perch value chain in East Afric Livelihood dimensions Conclusion	a	162 164 169 182
9	When the Market Helps: Standards, Ecolabels and Resour Management Systems in East African Export Fisheries Stefano Ponte, Reuben M. J. Kadigi and Winnie Mitullah		184
	Introduction Meeting food safety standards Sustainability and fishery management systems Ecolabelling Conclusions		184 185 190 195 200
10	European Food Safety Regulation and Developing Countries' Regulatory Problems and Possibilities Morten Broberg	:	205
	Introduction The EU's food safety regime Identifying the barriers Overcoming the barriers Perspectives for the future Appendix: Application of the European food safety regime and developing countries Ekaterina Bang-Andersen		205 205 206 217 223 225
11	Conclusion Stefano Ponte	:	232
	The content, coverage and proliferation of standards The governance of standards, local participation and issues related to conformity Standards, value chain restructuring and welfare outcomes Final remarks		232 234 239 242
Refe	erences		244
Ind	ex		265

# List of Tables, Figures and Map

#### **Tables**

2.1	Selected characteristics of the surveyed product carbon	
	footprinting schemes (as of January 2009)	29
3.1	Tanzania standard physical and chemical requirements for	
	black/white pepper, chillies and capsicum	47
3.2	Limits of micro-organisms in spices (Tanzania national	
	standards)	49
3.3	General microbiological specification – Germany and	
	Netherlands	49
3.4	EU Food Safety Standards for Spices	50
3.5	· · · · · · · · · · · · · · · · · · ·	
	spice-importing countries	52
3.6	Maximum pesticides residues limits in Germany,	
	Netherlands and United Kingdom	53
3.7	Requisite laboratory equipment for Salmonella testing	55
3.8	Summary of physical capacity for food safety testing by	
	institution, 2008	57
3.9	Summary of professional capacity for food safety testing by	
	institution, 2008	58
3.10	IMO and TANCERT fees schedules	64
4.1	First and third generation contract farming in Africa	73
4.2	Organic contract farming schemes surveyed, 2005–09	76
4.3	Descriptive statistics (means)	78
4.4	Profit models for scheme participation	86
4.5	Poisson models for organic farming practices	89
4.6	Regression results for net revenue from certified crop(s)	92
4.7	Regression (FIML) results for yield per tree (log), Kawacom	
	and Esco (2009 survey) schemes	96
5A.1	Tanzania: organic producers, products and area under	
	production	112
6.1	The case studies	121
8.1	Mean value of household assets (Tsh) of participants in the	
	Nile perch export and other fisheries	171
8.2	Mean annual household net income for different groups	
	of actors in the Nile perch and other fishery value	
	chains (Tsh)	177

8.3	Tests of significance for paired comparisons of mean annual household net income from fishing	
	activities	179
8.4	Mean household gross income, operating costs and net	
	income from fishery activities (Tsh)	180
8.5	00 0	
	fishers and boat owners in the Tanzanian part of	
0.1	Lake Victoria	181
9.1	1 \	
	fillets, gutted and headed) from Lake Victoria (1992–2007; million USD)	187
10.1	,	107
10.1	European Community under WTO SPS Committee	
	procedures, 1995–2008	221
10A.1	±	226
10A.2		
	2005–07	227
10A.3	Notifications by origin of the product, classified by world	
	region	228
10A.4	7 0 0 1 7 1	
	in terms of US\$ billion worth of EU food imports from the	220
1015	region of origin	228 229
10A.5	Notifications by notifying EU Member State 2002–07	229
Figur	res	
3.1	The supply chain(s) for Tanzanian spices	46
4.1	Distributions of (a) average prices received and	
	(b) proportion of coffee crop processed for certified	
	organic farmers and non-organic farmers	95
8.1	The Nile perch value chain in East Africa before the start of	
0.0	exports	165
8.2	The contemporary Nile perch value chain in East Africa	167
8.3	Mean value of household fishing assets, Nile perch	170
8.4	collectors Mean household land holdings, Lake Victoria fishery	172
0.4	participants	172
8.5	Mean value of households' other assets, Lake Victoria fishery	1/2
0.0	participants	173
8.6	Mean household livestock holdings, Lake Victoria fishery	1.0
	participants	173
8.7	Mean household adult labour equivalent level, Lake Victoria	
	fishery participants	174

#### x List of Tables, Figures and Map

8.8	Net income portfolio for Nile perch fishers and crew	175
8.9	Net income portfolio for fishers and crews in other	
	fisheries	175
8.10	Net income portfolio for boat owners in Nile perch fishery	176
8.11	Net income portfolio for boat owners in other fisheries	176
Map		
1	East Africa	xx

## Acknowledgements

This collection is based upon research carried out at the Danish Institute for International Studies and the Department of Agricultural Economics and Agribusiness at Sokoine University of Agriculture, Tanzania, under a common research and capacity building programme on 'Standards and Agro-food Exports' (SAFE). The programme was financed by the Danish Development Research Council (FFU), to whom the editors express their gratitude. We also gratefully acknowledge the permission of the Tanzanian Bureau of Standards to use the material presented in Tables 3.1 and 3.2 and to Charles J. Kithu of Spices Board India to use the material presented in Tables 3.3–3.6.

#### Notes on Contributors

Adam Akyoo is an assistant lecturer and currently a PhD student at the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture. He has been involved in research on agricultural risk management, artisanal mining in Tanzania, international food standards on spices and has also worked as a banker (both development and commercial) during the 1990s. He has research interests in value chain development, agricultural finance and new institutional economics. He has published on issues of food safety standards and agricultural risk management in Tanzania.

Gasper C. Ashimogo was an associate professor in the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture before his sudden death on 28 October, 2008. He obtained a PhD in agricultural economics from Humboldt University of Berlin and a Masters degree in agricultural economics from the University of Nairobi, Kenya. He had extensive research experience on agricultural marketing and trade. He also served as a consultant on issues related to rural poverty, agricultural market development and food security.

*Ekaterina Bang-Andersen* is a Masters student at the University College London. At the time of writing she was an intern at the Danish Institute for International Studies (DIIS).

Simon Bolwig is a senior researcher at the Risø National Laboratory for Sustainable Energy, Danish Technical University. At the time of writing, he was a Project Researcher at DIIS. He researches and publishes on standards and certification programmes relating to climate change, including private 'carbon accounting' standards for consumer products and biofuels, their interplay with regulatory policy and their importance for developing country exports and trade more generally. He has also led work to develop methodologies for integrating poverty and the environment in global value chain analysis.

**Morten Broberg** is a consulting senior researcher at DIIS and Associate Professor in international development law at the University of Copenhagen. His primary research focuses upon the European Union's relations with developing countries. He is the author of several books and articles, primarily within the field of European Union law.

Peter Gibbon is a senior researcher at DIIS. His current interests include agrofood standards and commodities. He is the co-author of Trading Down: Africa, Value Chains and the Global Economy (Temple University Press, 2005) and co-editor of recent special editions of Development Policy Review on Africa and the WTO Doha Round (2007) and of Economy and Society on the Governance of Global Value Chains (2008).

Sam Jones is a PhD Fellow at the Department of Economics, University of Copenhagen, specializing in Development Economics and with a focus on sub-Saharan Africa. He has published widely, including articles on organic contract farming, as well as contributions to various edited books concerning economic development in Mozambique. At the time of writing, he was employed as a Researcher at DIIS.

Reuben M. J. Kadigi is a lecturer in the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture. He holds a PhD in Agricultural Economics from SUA and a MSc in Management of Natural Resources and Sustainable Agriculture (MNRSA) from the Agricultural University of Norway. He has published extensively in the fields of water resources management and governance, valuation of water resources, productivity of water, fisheries, livelihoods and poverty analysis.

Fredy Kilima is a senior Lecturer in the Department of Agricultural Economics and Agribusiness at Sokoine University of Agriculture. He has researched on agricultural marketing, agricultural finance, livelihoods and poverty, and the impact of food safety standards on livelihoods. He has published on agricultural credit, market reforms and price integration in Tanzania.

Evelyne Lazaro is a senior Research Fellow in the Department of Agricultural Economics and Agribusiness of Sokoine University of Agriculture. She holds a MSc in Agricultural Economics from Michigan State University and a PhD in Agricultural Economics from SUA. She is interested in natural resource management in African Agriculture, in knowledge, science and technology for development and sustainability standards.

Yumiao Lin is the CSR Coordinator at the Humanitarian Water and Food Award Association. At the time of writing, she was a student assistant at DIIS. Her interests include Corporate Social Responsibility and sustainable development.

Jeremiah Makindara is a lecturer in the Department of Agricultural Economics and Agribusiness at Sokoine University of Agriculture. His main interests and publications are in agribusiness and entrepreneurship research, strategic management, social capital, gender issues and agro-food standards.

*Emmanuel R. Mbiha* is an associate professor in the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture. He holds a PhD in agricultural economics from Wye College, University of London and a Masters degree in agricultural economics from the University College of Wales, Aberystwyth. He has extensive experience in agricultural policy, agricultural marketing and trade, and publishes in these areas with a special focus on Tanzanian agriculture.

*Ntengua S. Y. Mdoe* is a professor in the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture. He has been involved in research on food security, livestock development, livelihoods and poverty, and the impact of food safety standards on livelihoods. Value chain development, rural development strategies and agricultural policies are among his other areas of interest. He has published on issues of dairy development, food security, rural livelihoods and poverty in Tanzania.

*Winnie Mitullah* is a researcher and lecturer at the Institute for Development Studies (IDS), University of Nairobi. She holds a PhD in Political Science and Public Administration. She has researched, written and consulted in the development area, with a focus on fisheries, urban housing, urban economy, politics, institutions and governance, and the role of stakeholders in governance.

**Raymond Mnenwa** is currently a PhD fellow at Sokoine University of Agriculture. His research interests include value chain development, business development, marketing and poverty alleviation. He has published in areas related to small business development, milk marketing and poverty reduction.

**Zena Mpenda** is a lecturer in the Department of Agricultural Economics and Agribusiness at Sokoine University of Agriculture. She holds an MA in economics from Gaborone University, Botswana. She is currently undertaking a PhD in international trade and food safety standards in agro-food exports for developing countries. She has researched in the fields of agro-processing, marketing, valuation of waste management and value chain development.

**Stefano Ponte** is a senior researcher at DIIS. He is interested in the changing role of Africa in the global economy and has published extensively on the agro-food sector, governance and upgrading in value chains, sustainability standards and labels, and on new forms of corporate social responsibility.

He is author of Farmers and Markets in Tanzania (James Currey, 2002) and co-author of The Coffee Paradox (Zed Books, 2005), Trading Down: Africa, Value Chains and the Global Economy (Temple University Press, 2005) and Brand Aid: Celebrities, Consumption and Development (University of Minnesota Press, 2011).

Louise Lund Rants is a Masters student in International Economics and Development, Faculty of Life Sciences, University of Copenhagen. At the time of writing, she was a student assistant at DIIS. She is interested in economic growth, development and aid.

Lone Riisgaard holds a PhD in International Development Studies from Roskilde University, Denmark. She is currently a Project Researcher at DIIS, where she was also attached during her PhD studies. She has researched and published on sustainability standards, Corporate Social Responsibility and Global Value Chain analysis, with focus on the cut flower value chain originating in Kenya and Tanzania.

Ephraim Senkondo is a professor at the Department of Agricultural Economics and Agribusiness, Sokoine University of Agriculture. His research interests include the economics of rain water harvesting, soil and water, malaria control, aquaculture, risk management, agro-forestry, livelihoods and the impact of food safety standards on livelihoods, with specific focus on Tanzania.

# List of Acronyms

AAS Atomic Absorption Spectrophotometer

ADEME Agence de l'Environnement et de la Maîtrise de l'Energie

ADI Acceptable Daily Intake

AEA Agricultural Employers Association (Kenya)

AEAAZ Agricultural Ethics Assurance Association of Zimbabwe

ALARA As Low As Reasonably Achievable level
ASTA American Spice Trade Association

BMU Beach Management Unit
BRC British Retail Consortium
CIES Consumer Goods Forum
CNI Change in Net Income
CO<sub>2</sub>e Carbon dioxide equivalent

COLEACP Comité de Liaison Europe-Afrique- Caraïbes-Pacifique COT Committee on Toxicity of Chemicals in Food Consumer

Products and the Environment

COTU Central Organisation of Trade Unions (Kenya)

**CSR** Corporate Social Responsibility

DANIDA Danish International Development Agency
UK Department for International Development

DRC Democratic Republic of Congo

EC European Commission

EIO European Food Safety Authority
EIO Environmental Input-Output

EMRL Extraneous Maximum Residue Limits
EPA Economic Partnership Agreement

**EPOPA** Export Promotion of Organic Products from Africa

ETI Ethical Trading Initiative (UK)

EU European Union

FAO Food and Agriculture Organization of the United

**Nations** 

FDA (US) Food and Drug Administration

**FFP** Fair Flowers Fair Plants **FFV** Fresh Fruit and Vegetables

FIML Full Information Maximum Likelihood FLO Fairtrade Labelling Organization

FLP Flower Label Program (Germany)

FPEAK Fresh Produce Exporters Association of Kenya

FSC Forestry Stewardship Council GAP Good Agricultural Practices GC Gas Chromatograph

GCLA Government Chemist Laboratory Agency (Tanzania)

GDP Gross Domestic Product

GFP Golden Food Products (Tanzania)GFSI Global Food Safety Initiative

**GHG** Greenhouse Gases

GHG-P Greenhouse Gas ProtocolGHP Good Hygiene PracticesGMP Good Manufacturing Practices

**GSC** Global Service Corps

GTZ Deutsche Gesellschaft für Technische Zusammenarbeit

GVC Global Value Chain
GWP Global Warming Potential

HACCP Hazard Analysis and Critical Control Points
 HEBI Horticultural Ethical Business Initiative (Kenya)
 HPLC High Performance Liquid Chromatograph
 ICC International Code of Conduct for Cut Flowers

ICS Internal Control System

IEC International Electrotechnical Commission

IFS International Food Standard
ILO International Labor Organization

IMO International Marketecology Organization (Switzerland)

IOAS International Organic Accreditation Services

ISEAL International Social and Environmental Accreditation

and Labelling Alliance

ISO International Organisation for Standardization

ITC International Trade Centre

**IUF** International Union of Foodworkers

**KEBS** Kenya Bureau of Standards

**KEWWO** Kenya Women Workers Organisation

KFC Kenya Flower Council

KHRC Kenya Human Rights CommissionKIA Kilimanjaro Airport (Tanzania)

KLM Royal Dutch Airline

KNCU Kilimanjaro Native Cooperative Union (Tanzania) KPAWU Kenya Plantation and Agricultural Workers' Union

LCA Life-Cycle Analysis

LDC Least Developed Country
LOD Limit of Determination

LVFO Lake Victoria Fisheries Organisation

MAFSC Ministry of Agriculture, Food Security, and Cooperatives

(Tanzania)

MNE Multinational Enterprises

MPS Milieu Programma Sierteelt (Netherlands)

MRL Maximum Residue Limits
MSC Marine Stewardship Council

MSc Master of Science

MSY Maximum Sustainable Yields

MUWAKIHA Muungano wa wakulima wa kilimo hai Arumeru

(Tanzania)

NFQCL National Fish Quality Control Laboratory (Tanzania)

NGO Non-Governmental Organization NOAEL No Observed Adverse Effects Level NOP National Organic Program (US) OCFS Organic Contract Farming Scheme

OECD Organisation for Economic Cooperation and

Development

OLS Ordinary Least Squares

PA Process Analysis

PCB Polychlorinated Biphenyl PCF Product Carbon Footprint

PCI Premier Cashew Industries (Tanzania)

PCL Product Carbon Labelling
PIP Programme Initiative Pesticides
PMO Producer Marketing Organization

PPB Parts per Billion
PPM Parts per Million
PSS Private Social Standard

SAFE Standards and Agro-Food Exports (Research Programme)

SANAS South Africa National Accreditation Service SIDA Swedish International Development Agency

**SPS** Sanitary and Phyto-sanitary

SQF Safe Quality Food TA Technical Assistance

TANCERT Tanzania Organic Certification Association

TBS Tanzanian Bureau of Standards

TCB Tanzania Coffee Board

**TFDA** Tanzania Food and Drug Authority

TIRDO Tanzanian Industrial Research and Development

Organisation

TNC Tesco's Natures Choice

TOAM Tanzania Organic Agriculture Movement

TPAWU Plantation and Agricultural Workers Union of Tanzania

TPRI Tropical Pesticide Research Institute (Tanzania)
UFPEA Uganda Fish Processors and Exporters Association

UK United Kingdom

UKAS United Kingdom Accreditation Service
UNBS Uganda National Bureau of Standards

United Nations Conference on Trade and Development UNCTAD

United Nations Development Programme UNDP

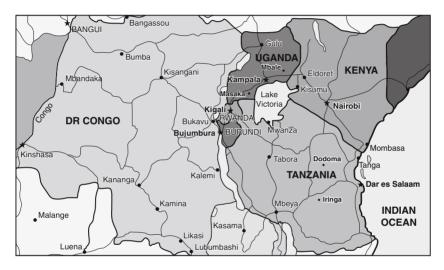
US **United States** 

USAID United States Agency for International Development World Business Council on Sustainable Development WBCSD

World Health Organization WHO

Wine Industry Ethical Trade Association (South Africa) WIETA

Workers' Rights Alert (Kenya) WRA Workers Rights Watch (Kenya) WRW WRI World Resources Institute WTO World Trade Organisation WWF World Wildlife Fund for Nature www Women Working Worldwide



Map 1 East Africa