Safe Food Fair Food: From capacity building to implementation

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List of participants

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Professor Dr Bassirou Bonfoh

Bassirou Bonfoh is Regional Coordinator of the West Africa, Swiss Centre for Scientific Research, Abidjan, Côte d'Ivoire. Prof Bassirou Bonfoh holds a DVM, Msc and PhD in Biology (option epidemiology) from Dakar University in Senegal where he was involved in studying the epidemiology of nematodes in small ruminants and poultry reared in extensive production system. Later on, he was appointed at the Interstate

School of Medicine and Veterinary Sciences of Dakar (EISMV) as Assistant lecturer in the department of Parasitology and zoology and as assistant researcher at the International Trypanotolerance Centre (ITC) in the Gambia.

He joined later an International NGO Vétérinaires Sans Frontières in several countries in West Africa (The Gambia, Guinea, Liberia, Mali, Niger, Senegal, Togo) where he contributed through participatory methods to develop livestock projects in rural communities. He then took a position of Postdoc at the Swiss Tropical Institute and at Swiss Federal Institute of Technology Zurich in the area of risk analysis in the dairy sector. The case studies were conducted in the Sahel countries. During this 7 year research project in Mali on improving the dairy commodity chain through risk analysis, he gained knowledge and experience in the field of epidemiology and public health, nutrition and food technology. He is deeply involved in the research program design and strategies within several Sahel countries in West Africa (Burkina Faso, Chad, The Gambia, Mauritania, Mali and Niger).

He was promoted Professor for African Francophone Universities in July 2007. He is guest lecturer in different universities (Côte d'Ivoire, Togo, Senegal). In the framework of the National Centre of Competence in Research North-South (NCCR), he coordinated a transversal package project on "Pastoral Production System" in West Africa (Mali, Chad, Mauritania, Côte d'Ivoire), Central Asia (Kyrgyzstan) and Horn of Africa (Ethiopia) where he was trying to fill the research gap in pastoralism with the transdisciplinary methods and One health concepts. In collaboration with the Swiss Tropical Institute, Prof. Bonfoh has contributed to the validation of one health concept in Africa and Central Asia and contributed to integrate human and animal health efforts in research and action programmes. Since July 2009, he is the Managing Director of Centre Suisse de Recherches Scientifiques en Côte d'Ivoire (www.csrs.ch), regional coordinator of the NCCR in West Africa (www.north-south.unibe.ch) and Director of the Consortium Afrique One (www.afriqueone.net).

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Associate Professor Dr Peter-Henning Clausen

Peter-Henning Clausen is Head of the working group 'Tropical Veterinary Medicine' at the Institute for Parasitology and Tropical Veterinary Medicine at Freie Universität Berlin (FUB) in Germany. He holds a diplomate of the European Veterinary Parasitology College (DipEVPC) and a specialist degree in Parasitology. He received his habilitation in Parasitology and Tropical Veterinary medicine in 2006.

Prior to his veterinary studies he worked as a volunteer of the German Development Service (DED) at Daresalaam, Tanzania, leading training workshops

on 'technology and practice' at the Daresalaam Technical College. After he was awarded the diploma in veterinary medicine from the College of Veterinary Medicine in Hannover, he worked as a research fellow at the International Laboratory for Research on Animal Diseases (ILRAD) at Nairobi, Kenya, and FUB from where he received his PhD/doctorate.

From 1986-1991 he led a GTZ-funded project at the 'Centre de Recherches sur les Trypanosomes Animales (CRTA/CIRDES)' at Bobo-Dioulasso, Burkina Faso, undertaking research on the pathogenesis, pathology and immunology of trypanosomosis in trypanotolerant cattle. Until 1995 he worked as a scientist at the Federal Institute of Health Protection of Consumers and Veterinary Medicine (BgVV/today's BfR) and was in charge of the development of serological techniques in the diagnosis of livestock diseases in developing countries. Furthermore, he was leading long-term and short-term training of veterinarians, technologists and technicians from developing countries in adapted methods of veterinary diagnostics at BgVV in Gerlin or in national and regional trainings in Asia (Mongolia, Thailand, Turkey, Vietnam) and sub-Sahara Africa (Burkina Faso, Ethiopia, The Gambia, Kenya, Senegal, Tanzania, Uganda). Since 1995 he is a senior lecturer in parasitology and tropical veterinary medicine at the Faculty of Veterinary Medicine at FUB. Moreover, he is in charge for scientific coordination of various overseas development and research projects, input to postgraduate (MSc) courses on epidemiology and Preventive Veterinary Medicine, FUB.

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Associate Professor Dr Francis Ejobi

Dr Francis Ejobi is an Associate Professor and Chair of the Department of Biosecurity, Ecosystems and Veterinary Public Health, College of Veterinary Medicine, Animal Resources and Biosecurity, Makerere University, Uganda.

He holds a Bachelor of Veterinary Science and an MSc in Veterinary Public Health. He was awarded his PhD (*magna cum laude*) at the University of Saarland, Germany. Since completion of his doctoral studies, he has been

actively engaged in teaching, research and consultancy services. He was won several research grants from the European Union, Food and Agricultural Organization (FAO), Danish Government, Swedish Government, Norwegian Council for Higher Education (NUFU), among others. His research interests include epidemiology of emerging and re-emerging infectious diseases, climate change, risk assessment, food safety and indigenous knowledge systems in animal healthcare. Dr Ejobi is currently the national coordinator for an EU- supported project on *One Health* Networks.

In addition to his academic responsibilities, Dr Ejobi is a member of the national task force on Avian Influenza and Chairman of Board of Examiners of National Diploma in Environmental Health Science. He has undertaken several consultancy assignments for the Government of Uganda, EU, FAO, the Embassy of the Netherlands, and the National (Uganda) Environmental Management Authority (NEMA). He has travelled widely in Africa, North America, Europe and Asia.

Dr Ejobi is a Fellow of the Uganda National Academy of Sciences and a certified Environmental Impact Assessor.

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Dr Alexandra Fetsch

Alexandra Fetsch graduated with a degree in veterinary medicine from the Free University of Berlin (FUB), Germany, in 2003. Afterwards, she became PhD student at the Institute of Virology of the faculty Veterinary Medicine at FUB, where she received her Doctorate in veterinary medicine (Dr. med. vet.) in 2007.

From the beginning of the year 2005 until May 2006, Dr Fetsch was working for the food and feed analysing laboratory of the federal 'Laender' state Mecklenburg-Vorpommern in Rostock, Germany. As de facto specialist for

food microbiology, Dr Fetsch was doing sensory and microbiological analyses as well as assessment of food from animal origin. Since May 2006, Dr Fetsch works as a scientist at the Federal Institute for Risk Assessment (BfR), Berlin, Germany. At the BfR, she is working in the department of Biological Safety, dealing with the assessing of biological risks, in particular TSE/BSE-risk assessment, as well as with issues of food hygiene and food microbiology. Hence, Dr Fetsch is head of the National Reference Laboratory for coagulase positive *staphylococci* spp. including *S. aureus* (NRL-Staph). Her work as head of the NRL-Staph focuses on questions regarding food safety and food hygiene with respect to staphylococcal enterotoxins preformed in food. At present, the main research of Dr Fetsch focuses on the issue of methicillin-resistant *Staphylococcus aureus* (MRSA) and its potential consumer exposure along the food chain. In this context, Dr Fetsch is involved in several national and international research projects dealing with the characterization of MRSA and the development of new methods for detection and genotyping of isolates.

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Professor Dr Reinhard Fries

is a Professor for Meat Hygiene at the Veterinary Faculty of Freie Universität Berlin. His main working field is to develop concepts of surveillance of food animals with special attention to zoonotic agents and issues of food animal welfare. Results of investigations serve then as a base for preventive measures or major surveillance systems.

Reinhard Fries holds a veterinary diploma, DVM and PhD from the College of Veterinary Medicine in Hanover, Germany, as well as a diploma of the European College of Veterinary Public Health (DipECVPH). Following his appointment as a full professor at the University of Bonn from 1993-1999, he holds the position as the Head of Institute of Meat Hygiene and Technology of the Panel of Veterinary Public Health in 2000. Moreover, he has extensive experience in EU scientific committees and EU-based consulting.

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Dr Delia Grace

Delia Grace is the Principal Investigator of the project *Safe food, fair food:* From capacity building to implementation.

Delia is a veterinary epidemiologist and food safety specialist. She is Research Leader for work on agriculture associated diseases in a new program which brings together ten international agricultural research centres to work at the interface of agriculture, health and nutrition. She works at the International Livestock Research Institute (ILRI) on developing and managing risk-based approaches to animal diseases, particularly zoonoses, in developing countries.

Professional and research interests include veterinary epidemiology, risk-based approaches for zoonotic disease, training and capacity-building, community-based animal health and participatory approaches, Animal welfare, gender and development.

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Saskia Hendrickx

Saskia Hendrickx is a veterinary epidemiologist, with over 10 years' experience in South America, Africa and Asia. Currently she works at the International Livestock Research Institute (ILRI) in Maputo (Mozambique) as country coordinator. Previously she worked with the World Health Organization (WHO) focusing on zoonoses and emergency preparedness and response. Improving animal and human health has been the guiding principle for her work to date, especially in the area of disease surveillance, working on novel approaches such as participatory epidemiology.

Saskia holds a veterinary degree from the University of Ghent in Belgium (2001) and a Msc in Veterinary Epidemiology jointly awarded by the London School of Hygiene & Tropical Medicine and Royal Veterinary College in the UK.

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Professor Erastus Kiambi Kang'ethe

Professor Kang'ethe holds a BVM from the University of Nairobi, an MSc in Meat Science from the University of Bristol, UK and PhD from the University of Nairobi.

He has extensive experience in teaching, consultancy and research since the 1980s, always with a strong focus on food safety. His MSc thesis focused on species identification of the origin of meat as it proved to be important as to diagnose fraudulent substitution of cheaper species of meat for more expensive meats, and also help to identify wildlife species from domestic species in order to protect endangered from protected and domestic animal. Further research included work on slaughter hygiene as shelf-life of

meat greatly depends on the level of contamination after slaughter, and ante mortem diagnoses of bovine cysticercosis using antibodies to secretory glycoproteins in the sera of infected cattle have been validated in experimentally and naturally infected cattle.

Moreover, his epidemiological investigations concentrated vector-borne zoonosis using insect blood meal analysis. A study of blood meal sources of *Glossina pallidipes* and *Glossina longipennis* in Nguruman showed that blood meals were obtained from wildlife and rarely from cattle. Ostrich was found to be a new source not reported before.

Agro-ecosystem health approach to management of farming systems and development involved participatory action research with the communities in order for the communities to own and spearhead their own development agendas. This approach has been tested in Kiambu district of Kenya with commendable success. Projects with similar approach using EASH have been carried out in Uganda and Zambia with great success.

Professor Kang'ehte led work in assessing and managing milk borne health risks in informal markets for the benefit of consumers in Kenya in the course of the liberalization of milk marketing in Kenya related to brucellosis, tuberculosis, *E. coli O157:H7* and hazards due to antibiotic residues and selling of milk of unacceptable quality. This research was complemented by research on risk assessment in livestock production systems especially dairy farming in urban set ups including *E. coli O157:H7*, *Mycobacterium bovis*, antibiotic residues, Cryptosporidiosis, Aflatoxin M1 and B1 and bovine brucellosis. Important results were raw vegetables as the main source for cryptosporidiosis and high levels of aflatoxins in dairy feed and milk.

His areas of specialization include Public Health, Meat Hygiene, Forensic Meat Science and Risk Analysis of Urban Agriculture.

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Professor Dr Lusato R. Kurwijila

Professor Kurwijila holds a BSc Honours degree in Agriculture from University of Dar Es Salaam, Tanzania, an MSc in Food Science and Technology from University of Nairobi, Kenya and a Dr. Sci. Techn. from ETH-Zürich, Switzerland. Professor Kurwijila professional experience in agricultural education spans from 1976 when he was employed as Tutorial Assistant in the Department of Animal Science, Faculty of Agriculture, University of Dar Es Salaam, Morogoro Campus which became a fully-fledged university in 1984. He is currently full Professor in the Department of Animal Science and Production, Sokoine University of Agriculture since 1993.

Professor Kurwijila is a member to several professional organisations, committees and boards. He is founding member and fellow, Tanzania Academy of Sciences (TAAS); Prof Kurwijila is a Chairman of Tanzania Dairy Board since 2005; Board member to the newly formed Centre for Coordination of Agricultural Reserach and Development for Southern Africa (CCARDESA) for SADC countries where he is Chairman of the programmes committee since August 2011. He is also Chairman of the Tanzania Bureau of Standards Committee on Milk and Milk Products since 2006. He has been a member of the Livestock Advisory Council of the Ministry of Livestock and Fisheries Development 2001 - 2005.

In the academic world and at Sokoine University of Agriculture (SUA), Professor Kurwijila has served as member of University Council and Senate; Appointments and Academic Committees, Faculty of Agriculture Undergraduate Studies Committee, Executive Committee of University Academic Staff Association, and University Teaching and Learning Improvement Committee. He has been leader/coordinator of several research projects including the ILRI/KUST/NRI (1998-2001); ILRI/SUA/Safe Food Fair Food and the ASARECA Dairy and Meat Research project and co-ordinator of the research and farmer empowerment of the Norway/SUA EPINAV (Enhancing Pro-poor innovations in natural resources and agricultural value chains) programme.

Previously Professor Kurwijila was Executive Committee Member, Honorary Treasurer, and Vice Chairman of the Tanzania Society of Animal Production. Regionally Professor Kurwijila is a Professional Member at Kenya Institute of Food Science and Technology.

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Associate Professor Dr Kohei Makita

Kohei Makita holds a BVSc from the Nippon Veterinary and Life Science University in Japan and a PhD from the Centre for Infectious Diseases at the University of Edinburgh, UK.

Having worked as an assistant veterinarian of the Infectious Disease Section at the Saitama Prefectural Government Kawagoe Livestock Health and Hygiene Centre in Japan from 1995-1998, je joined the Japan Overseas Cooperation Volunteers (JOCV) and instructed training animal husbandry and animal health at Jiri Technical School in Nepal. He returned to Japan in 2000 and the position of the chief veterinarian

of the Infectious Disease Section at Saitama Prefectural Government Kawagoe Livestock Health and Hygiene Centre in Japan where he was in charge of diagnosis and disease control and later of the animal health, artificial insemination and animal nutrition. In 2008 he joined the International Livestock Research Institute (ILRI) as a Postdoctoral scientist where he coordinated the BMZ-funded project Safe Food, Fair Food. He conducted postgraduate training using such as participatory epidemiology, stochastic risk assessment and risk reduction simulations of control options. He is currently jointly appointed by the School of Veterinary Medicine, Rakuno Gakuen University as Associate Professor of Veterinary Epidemiology and ILRI as veterinary epidemiologist in the Markets, Gender and Livelihoods theme.

Research interests include the epidemiology of livestock and zoonotic diseases, alleviation of poverty, participatory epidemiology, risk analysis of food borne diseases in value chains, and incentive study for risk mitigation, interface between veterinary medicine, human medicine, socioeconomics and environment.

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Helena Matusse

Helena Matusse holds a veterinary degree from Eduardo Mondlane University, Maputo and a Master of Biotechnology from Flinders University, Australia.

She was recruited at the National Veterinary Research Institute (Directorate of Animal Science), where she is working until the current date. From 1985-1987 she was

appointed Head of Food Microbiology sector in the Directorate of Animal Science including duties such as the supervision and implementation of activities in the field of microbiological quality control of animal source foods from the level of production to processing and consumption.

Since 1997 she holds the position as a Head of the Food and Nutrition Department in the Agriculture Research Institute of Mozambique, Directorate of Animal Science. Here she supervises activities concerning laboratory examination and inspection of food of animal origin for human consumption and feed-stuff for animal consumption; environmental and hygiene control in the processing plant at factors, industries and farms level as well as compliance with national and international regulations of the quality and safety of food being imported, exported and produced at the national level.

Her department contributes with recommendations on the implementation of the system of Hazard Analyses and Critical Control Points (HACCP) and Good Manufacture Practices (GMPs), in food processing industries and factories, and moreover she is leading and performing research in aspects related with food quality control and food safety.

Other activities include consultancies on food safety (including the United Nations) and conducting technical training courses to university students and workers in the food industry in terms of food quality and environmental control. Helena Matusse also lectures food biotechnology at the University Eduardo Mondlane and supervises culmination studies in the area of food quality and environmental control in various universities and medium-sized institutes.

She participated in the initial stage of drafting a legal and institutional framework on bio-security in Mozambique, which was integrated in the inter-institutional group on bio-security (GIIBS) and she holds memberships of the Steering Committee of the project 'Enhancing the Capacities of the Mozambican food safety and quality assurance system for trade' (implemented by the United Nations Organization for Industrial Development, UNIDO), the technical commission for standardization in the National Institute of Standards and Quality (INNOQ) and the Codex Alimentarius National Committee.

From 2008-2011, Helena Matusse was the national coordinator of the project 'Safe Food, fair Food' for Sub-Saharan Africa, and she will continue supporting the project in its second phase as a regional coordinator.

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Kristina Rösel

Kristina holds a veterinary degree of the Free University of Berlin (FUB), Germany, and joined the project Safe Food, Fair Food after her graduation during the final synthesis activities in 2011. She is currently preparing her PhD on pig parasites in Uganda, and is jointly appointed by FUB as a research fellow and by ILRI as the coordinator of Safe Food, Fair Food 2.

Prior to her veterinary studies she volunteered in a forest conservation project in Malawi using participatory methods in tackling the human-elephant conflict. As a student she worked as a research assistant at the Institute for Parasitology and Tropical Veterinary Medicine at FUB, supporting field work in the project 'Insecticide-treated nets to combat vector-borne animal diseases' for more than 2 years following the outbreak of Bluetongue disease in 2006. In her final year she participated in a helminthology field survey at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), a project led in cooperation with FUB in Mali. Particular interests include research on the epidemiology of diseases at the interface of livestock, wildlife and human health, parasitology, poverty alleviation and ethno veterinary medicine.

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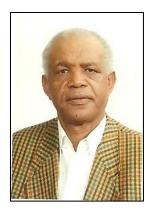
Professor Kwaku Tano-Debrah

Prof. Kwaku Tano-Debrah is a Ghanaian by birth. He obtained his B.Sc. and M.Phil degrees from the University of Ghana and his Ph.D. from Hiroshima University (Japan). He joined the University of Ghana as a Food Science Lecturer in January 1999, with special responsibility for teaching Food microbiology and Food safety courses at undergraduate and graduate levels; and has since been at post, rising through the ranks of a Senior Lecturer in 2003 and then an Associate Professor in 2007. In 2005, he won a Marie Curie fellowship through the response to a call for research proposal in

the FP6 Mobility programme to pursue a research career at the University of Copenhagen, where he was appointed as an Associate Professor for a period of 1 year. He spent this period as a sabbatical leave from university of Ghana. He assumed the position of the Head of the Department of Nutrition and Food Science, University of Ghana in August 2008 for a period of 3 years. Prof. Tano-Debrah has collaborated in a number of research projects, including the SFFF 1, and CRSP Cowpea. He is currently the local PI of a Joint Complementary Food Development and testing project, involving University of Ghana, International Nutrition Foundation and Ajinomoto Co. Inc. Japan. His major research interests are in the areas of food safety, food fermentation and traditional food processing.

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Dr Girma Zewde

Dr Zewde holds a diploma in animal health from the School for Animal Health in Debre-Zeit, Ethiopia. Having served as an animal health assistant in Gondar, Northern Ethiopia, he participated in a six month training in meat inspection ant the Kenyan Meat Commissions (KMC) before studying Veterinary Medicine at the University of Leipzig in Germany. Upon his return to Ethiopia in 1982 he taught different disciplines of veterinary medicine at the School for Animal Health Assistants at Debre-Zeit. From 1984-1988 he pursued post graduate studies in veterinary public health at the University of Leipzig, Germany.

Moreover, he received a six month postdoctoral training in pedagogy at the University of Kassel in Germany. Since 1991 he has been teaching and advising both undergraduate and postgraduate students in veterinary public health at the Faculty of Veterinary Medicine of the Addis Ababa University at Debre Zeit, and other regional universities in Ethiopia. Dr Zewde has been appointed chairman of the Department of Microbiology and Veterinary Public Health, at the faculty of Veterinary Medicine of the Addis Ababa University for a number of years.

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