

List of FoodAfrica Publications

August 2016

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Peer-reviewed scientific articles

WP1

Araya A, Hoogenboom G, Luedeling E, Hadgu KM, Kisekka I, Martorano LG. 2015. Assessment of maize growth and yield using crop models under present and future climate in Southwestern Ethiopia, *Agricultural and Forest Meteorology* 214–215: P252–265
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Liyama M, Derero A, Kelemu K, Muthuri C, Kinuthia R, Ayenkulu E, Kiptot E, Hadgu K, Mowo J, Sinclair F. 2016. Understanding patterns of tree adoption on farms in semi-arid and sub-humid Ethiopia. *Agroforestry Systems* 90: 1-23 <http://dx.doi.org/10.1007/s10457-016-9926-y>

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Viscarra Rossel R, Behrens T, Ben-Dor E, Brown D, Demattê J, Shepherd K, Shi Z, Stenberg B, Stevens A, Adamchuk V, Aichi H, Barthès B, Bartholomeus H, Bayer A, Bernoux M, Böttcher K, Brodský L, Du C, Chappell A, Fouad Y, Genot V, Gomez C, Grunwald S, Gubler A, Guerrero C, Hedley C, Knadel M, Morrás H, Nocita M, Ramirez-Lopez L, Roudier P, Rufasto Campos E, Sanborn P, Sellitto V, Sudduth K, Rawlins B, Walter C, Winowiecki L, Hong S, Ji W. 2016. A global spectral library to characterize the world's soil. *Earth-Science Reviews* 155: 198-230 <http://dx.doi.org/10.1016/j.earscirev.2016.01.012>

Waruru B, Shepherd K, Ndegwa G, Kamoni P, Sila A. 2014. Rapid estimation of soil engineering properties using diffuse reflectance near infrared spectroscopy. *Biosystems Engineering* 121: 177-185
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<http://www.sciencedirect.com/science/article/pii/S0038080615001201>

Waruru B, Shepherd K, Ndegwa G, Sila A, Kamoni P. 2015. Estimation of stability-related soil properties using mid-infrared spectroscopy for non-agricultural land use in Lake Victoria basin, Kenya. *East African Agricultural and Forestry Journal* 81(2-4): 79-94
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Yeta B, Constantinou A, Fenton N, Neil M, Luedeling E, Shepherd K. 2016. A Bayesian Network Framework for Project Cost, Benefit and Risk Analysis with an Agricultural Development Case Study. *Expert Systems with Applications* 60: 141-155 <http://dx.doi.org/10.1016/j.eswa.2016.05.005>

WP2

Ema PJM, Lassila L, Missouhou A, Marshall K, Tapio M, Tebug SF, Juga J. 2016. Differences in milk production traits among indigenous and crossbred dairy cattle in center north peanut basin of Senegal (submitted – *Tropical Animal Health and Production*)

Tebug SF, Missouhou A, Sourdou-Sabi S, Juga J, Poole EJ, Tapio M, Marshall K. Estimation of Live Weight of Dairy Cattle 1 in Low Input Systems in Senegal (submitted – *Journal of Applied Animal Research*)

WP4

Scientific articles under review

Mitchodigni MI, Amoussa HW, Ntandou-Bouzitou G, Termote C, Mutanen M, Hounhouigan J. Review of complementary foods and feeding practices in four West African countries: Benin, Burkina Faso, Ghana and Nigeria. Submitted to *Food and Nutrition Bulletin*, Dec 2015

WP5

Ahlberg SH, Joutsjoki V, Korhonen HJ. 2015. Potential of lactic acid bacteria in aflatoxin risk mitigation. *International Journal of Food Microbiology* 207: 87-102

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Unnevehr L, Hoffmann V. 2015. Food safety management and regulation: International experiences and lessons for China. *Journal of Integrative Agriculture*, 14(11), 2218-2230

Peer-reviewed publications in press

Atherstone C, Grace D, Lindahl JF, Kang'ethe EK, Nelson F. Assessing the impact of aflatoxin consumption on animal health and productivity. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Kiama TN, Lindahl J, Sirma AJ, Senerwa DM, Waithanji EM, Ochungo P, Poole J, Kangethe EK, Grace D. A Qualitative Assessment of Dietary Exposure to Mycotoxins within the Kenya Dairy Value Chain and the Role of Gender. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Kiarie G, Dominguez-Salas P, Kang'ethe S, Grace D, Lindahl J. Aflatoxin exposure among young children in urban low-income areas of Nairobi and association with child growth. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Kirino, Y, Makita, K, Grace, D, Lindahl, J. Hazard identification for assessment of the risk to human health associated with aflatoxin M1 in marketed milk in Nairobi, Kenya. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Ochungo P, Lindahl J, Kayano T, Sirma A, Senerwa D, Kiama T, Grace D. Mapping Aflatoxin Risk from Milk Consumption Using Biophysical and Socio-economic data: A case study of Kenya. Accepted for publication in *African J. Food Agric. Nutr. Dev.* 2016

Senerwa DM, Sirma AJ, Mtmet N, Kangethe EK, Grace D, Lindahl J. Prevalence of aflatoxins in feeds and cow milk from five counties in Kenya. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Sirma AJ, Senerwa DM, Grace D, Makita K, Mtmet N, Kang'ethe EK, Lindahl JF. Aflatoxin B1 occurrence in millet, sorghum and maize from four agro-ecological zones in Kenya. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

Szonyi B, Gizachew D, Tegegne A, Assefa H, Grace D. Knowledge and practices of peri-urban dairy value chain actors on feed management, molds and milk hygiene in the Greater Addis Ababa milk shed, Ethiopia. Accepted for publication in *African J. Food, Agric. Nutr. Dev.* 2016

WP7

Chimbombi E, Kariuki J, Kirui J. (In Press). Agribusiness Enterprises in Livestock products: The Case of Piggery and Dairy Products. In: Agribusiness in Africa: A Contextualized Manual for Tertiary Institutions and Development Practitioners. Eds. P. Angui , A. Da Costa A, J. Onyekwelu, J. Akpoko, M.F. Driver, B. Ramasawny, J. Obiri, A. Ochola Oduaor and A. Yaye. ANAFE/AISA. Abidjan

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Franzel S, Degrande A, Kiptot E, Kirui J, Kugonza J, Preissing J, Simpson B. 2015. Farmer-to-farmer extension. Note 7. GFRAS Good Practice Notes for Extension and Advisory Services. GFRAS: Lindau, Switzerland.
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Franzel S, Degrande A, Kiptot E, Kundhlande G, Tsafack S, Simpson B. (in press). Does farmer-to-farmer extension increase women's participation and access to advisory services? Lessons from Kenya, Cameroon and Malawi. *Journal of International Agricultural and Extension Education*

Franzel S, Wambugu C, Nanok T, Coe R. 2013. The 'model farmer' extension approach revisited: Are expert farmers effective innovators and disseminators? In: CTA, Proceedings of the International Conference on Innovations in Extension and Advisory Services: Linking Knowledge to Policy and Action, November 15-18, 2011, Nairobi, Kenya. CTA, Wageningen, Netherlands.

[http://extension.cta.int/pages/Documents/Tools%20and%20Approaches/2.Changing%20Concepts%20and%20Functions%20to%20Empower%20Farmers_Franzel_04.pdf](http://extension.cta.int/pages/Documents/Tools%20and%20Approaches/2.Changing%20Concepts%20and%20Functions%20to%20Empower%20Farmers/CTA129%20Changing%20Concepts%20and%20Functions%20to%20Empower%20Farmers_Franzel_04.pdf)

Kiptot E, Franzel S. 2013. Farmers teaching farmers: Challenges and opportunities of using volunteer farmers in technology dissemination. In: CTA, Proceedings of the International Conference on Innovations in Extension and Advisory Services: Linking Knowledge to Policy and Action, November 15-18, 2011, Nairobi, Kenya. CTA, Wageningen, Netherlands

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Kiptot E, Franzel S. 2014. Voluntarism as an investment in human, social and financial capital: evidence from a farmer-to-farmer extension program in Kenya, Agriculture and Human Values

<http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s10460-013-9463-5>

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Kiptot E, Karuhanga M, Nzigamasabo PB, Franzel S. 2016. Volunteer farmer-trainer motivations in East Africa: Practical implications for enhancing farmer-to-farmer extension. *International Journal of Agricultural Sustainability*. DOI: 10.1080/14735903.2015.1137685 <http://dx.doi.org/10.1080/14735903.2015.1137685>

Laitinen E, Taurula I. 2015. Entrepreneurship education in agricultural BSc degree programme: Case HAMK. In Obiri J.F., Kasolo W., Yaye A., Mwazemba J., Ochola, A. and Chakeredza S. (eds). Agribusiness Development and Managing Risk and Uncertainty in African Agriculture: The role of Tertiary Agricultural Education. ANAFE symposium held from 25-28 August 2014 in Yaounde Cameroon. pp. 363-370.

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Simpson B, Franzel S, Degrande A, Kundhlande G, Tsafack S. 2015. Farmer to farmer extension: Issues in planning and implementation. MEAS Technical Note. Modernizing Extension and Advisory Services, USAID <http://agrilinks.org/sites/default/files/resource/files/MEAS%20TN%20Farmer%20to%20Farmer%20-%20Simpson%20et%20al%20-%20May%202015.pdf>

Scientific articles in press

Franzel S, Degrande A, Kiptot E, Kundhlande G, Tsafack S, Simpson B. (in press). Does farmer-to-farmer extension increase women's participation and access to advisory services? Lessons from Kenya, Cameroon and Malawi. *Journal of International Agricultural and Extension Education*.

Kirui J, Makori J, Akpoko J, Maritim W. (In Press). The role of Extension in Agribusiness In: *Agribusiness in Africa: A contextualized manual for Tertiary Institutions and Development Practitioners*. Eds. P Angui, A Da Costa, J Onyekwelu, J Akpoko, MF Driver, B Ramasawny, J Obiri, A Ochola Oduaorand, A Yaye. ANAFE/AISA. Abidjan

Nimino G, Gyau A, Ramasawny B, Syampaku E. (In Press). Agribusiness Marketing Strategies. In: *Agribusiness in Africa: A Contextualized Manual for Tertiary Institutions and Development Practitioners*. Eds. P Angui , A Da Costa, J Onyekwelu, J Akpoko, MF Driver, B Ramasawny, J Obiri, A Ochola Oduaor, A Yaye. ANAFE/AISA. Abidjan.

Nimino G, Muga MO, Mbiru SS, Chiato M, Chikamai BN. (In Press). Agribusiness Enterprises in Forest and Non-Timber Forest Products In: *Agribusiness in Africa: A Contextualized Manual for Tertiary Institutions and Development practitioners*. Eds. P Angui , A Da Costa A, J Onyekwelu J Akpoko, MF Driver, B Ramasawny, J Obiri, A Ochola Oduaor, A Yaye. ANAFE/AISA. Abidjan.

Scientific articles under review

WP7

Chiato M, Gyau A. Review of agricultural market information systems; key lessons learnt in Sub-Saharan Africa. *Development in Practice*

Eboutou L, Degrande A. Innover dans la vulgarisation et le conseil aupres des paysans par les centres de resources ruraux: Cas du Cameroun. Submitted to *Biotechnologie, Agronomie, Société et Environnement*

Other scientific papers

WP1

Barrios E, Shepherd K, Sinclair F. 2015. Soil Health and Agricultural Sustainability: The role of Soil Biota, In FAO Agroecology for Food Security and Nutrition - Proceedings of the FAO International Symposium. Chapter 6 pp 104 -122 <http://www.fao.org/3/a-i4729e.pdf>

Barrios E, Sileshi GW, Shepherd K, Sinclair F. 2012 Agroforestry and soil health: linking trees, soil biota and ecosystem services. In: Wall, D.H. et al (Eds.). *Soil Ecology and Ecosystem Services*. Oxford University Press, Oxford, UK. pp 315-330

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Clapp A, DauSchmidt N, Millar M, Hubbard D, and Shepherd K. 2013. A Survey and Analysis of the Data Requirements for Stakeholders in African Agriculture <http://r4d.dfid.gov.uk/Output/193813/Default.aspx>

Dharani N, Yenesew A, Aynekulu E, Tuei B, Jamnadass R. 2015. Traditional ethnoveterinary medicine in East Africa: a manual on the use of medicinal plants. Dawson IK ed. The World Agroforestry Centre (ICRAF), Nairobi, Kenya. <http://www.worldagroforestry.org/downloads/Publications/PDFS/B15647.pdf>

Oduor A, Cherogony K, Mutune J, Malesu M, Karuma A, Cherogony M, Nyolei D, Kandagor J, & Onyango D, with Ajele C, Wafula W, Njalale S, Lusweti A, Maina P, Towett E, de Vries A, Tanui D, Mwangi F, Kimosop W, Kibunja R, and Kiptoo S. 2012. Food Security Framework for Turkana County. Diocese of Lodwar, P.O. Box 101-30500, Lodwar, Kenya. 217 pp.

Shepherd K, Farrow A, Ringler C, Gassner A, Jarvis A. 2013. Review of the Evidence on Indicators, Metrics and Monitoring Systems. Commissioned by the UK Department for International Development (DFID). Nairobi: World Agroforestry Centre. <http://r4d.dfid.gov.uk/output/192446/default.aspx>

UNEP. 2012. Land Health Surveillance: An Evidence-Based Approach to Land Ecosystem Management. Illustrated with a Case Study in the West Africa Sahel. Includes summary for decision makers. United Nations Environment Programme, Nairobi. http://www.unep.org/dewa/Portals/67/pdf/LHS_Report_lowres.pdf
http://www.unep.org/dewa/Portals/67/pdf/LHS_Summary_lowres.pdf

Vagen T, Davey, F, Shepherd K. 2012. Land Health Surveillance: Mapping Soil Carbon in Rangelands. In P.K. Ramachandran Nair and D. Garrity (eds) Agroforestry - The Future of Global Land Use. Springer, Dordrecht, pp. 455-462 <https://wle.cgiar.org/cgspace/resource/10568-34526>

WP2

Marshall K, Tebug S, Juga J, Tapio M, Missohou A. 2016. Better dairy cattle breeds and better management can improve the livelihoods of the rural poor in Senegal. ILRI Research Brief 65. Nairobi, Kenya: ILRI

Walugembe M, Tebug S, Tapio M, Missohou A, Juga J, Marshall K, Rothschild M. 2015. Gendered intra-household contributions to low-input dairy in Senegal. Iowa State University Animal Industry Report *Animal Industry Report: AS 662, ASL R3078*

WP3

Faye A, Msangi S. 2015. Optimal groundwater management under uncertain climate: The case of the Niayes region of Senegal. Paper written for presentation at the ECOMOD international conference on economic modeling, Boston, 15 July, 2015

Faye A, Msangi S. 2016. Groundwater management and climate impacts: Analysis of the Niayes region of Senegal. Technical Brief for WP3

Kuusela O-P. 2015. Policies to enhance food security of pastoralist households in Ferlo, Senegal. Discussion paper written for dissemination and further development

Msangi S, Faye A, Fall S. 2016. Climate change impacts on Senegalese agriculture: A model-based analysis. Technical Brief for WP3

Niemi JK, Hyttainen K, Diao-Camara A, Fall S, Msangi S. 2015. A dynamic model to analyze the sustainability of extensive common-pasture-based livestock husbandry in Sahel. Paper prepared for 29th International Conference of Agricultural Economists, 8-14 August 2015, Milan, Italy

Niemi JK, Hyttainen K, Diao-Camara A, Fall S, Msangi S. 2015. Modelling the sustainability of extensive transhumant livestock husbandry in northern Senegal. Paper presented at the annual conference of the European Environment and Resource Economics Association (EAERE), 24-27 June 2015, Helsinki, Finland

Niemi JK, Hyttiainen K, Diao-Camara A, Fall S, Msangi S. 2016. Modeling common-pasture-based transhumant livestock husbandry under weather risk in Ferlo. Technical Brief for WP3

WP5

Grace D, McDermott J. 2015. Food safety: Reducing and managing food scares. In: International Food Policy Research Institute, 2014-2015 Global food policy report. Washington, DC: International Food Policy Research Institute. pp. 41-50
<http://ebrary.ifpri.org/cdm/ref/collection/p15738coll2/id/129080>

Moser C, Hoffmann V. 2015 Firm Heterogeneity in Food Safety Provision: Evidence from Aflatoxin Tests in Kenya, IFPRI Discussion Paper

WP6

Sell M, Minot N. 2016. "What factors explain women's empowerment? Decision-making among Ugandan small-scale farmers." Manuscript under review at World Development

WP7

ANAFE 2015. Creating wealth and Prosperity through business oriented agriculture and natural resources education and research. A synthesis of the Fourth ANAFE Symposium held in 2014 in Yaoundé, Cameroon

ANAFE 2015. Report on Regional Training Workshop on Communicating Effectively with Users of Knowledge, 13 – 16 October 2015, ICRAF, Nairobi, Kenya

Chiatch M, Sawyer B. 2014. Understanding Agricultural Marketing Information Systems in Ghana. Joint report prepared by ICRAF and IFPRI for FoodAfrica WP6 and WP7

Eboutou L, Degrande A, Fongang G. 2014. Are rural resource centres efficient in the dissemination of agroforestry technologies? Stakeholder's perception in Cameroon. Scientific paper. DRAFT

Eboutou L, Degrande A, Fongang G. 2014. Les centres de ressources, sont-ils efficaces? Perception des acteurs locaux. Poster presented at the 4th Agricultural Science Week for West and Central Africa, organised by CORAF/WECARD, 16-18 June 2014, Niamey, Niger

Franzel S. 2015. What works? A synthesis of ICRAF's research on innovative approaches for benefiting and empowering farmers. ICRAF, Nairobi

<http://www.worldagroforestry.org/downloads/Publications/PDFS/BR15010.pdf>

Franzel S, Sinja J, Simpson B. 2014. Farmer-to-farmer extension in Kenya: the perspectives of organizations using the approach. ICRAF Working Paper No. 181. Nairobi, World Agroforestry Centre
<http://www.worldagroforestry.org/downloads/publications/PDFs/WP14380.PDF>

Karuhangi M, Kiptot E, Kugonza J, Wabwire R, Franzel S. 2013. The effectiveness of the volunteer farmer-trainer approach in feed technology dissemination in the East African Dairy Development Project in Uganda. East African Dairy Development Project, Nairobi

Kenfack S. Les centres de ressources rurales : contribution dans la diffusion des informations, du matériel végétal et dans l'accompagnement des organisations de producteurs. ICRAF. Yaounde

Kiptot E, Franzel S. 2012. Effectiveness of the Farmer Trainers Approach in Dissemination of Livestock Feed Technologies: A Survey of Volunteer Farmer Trainers in Kenya. East African Dairy Development Project

Kiptot E, Franzel S, Karanja E, Mudavadi P, Wafula S. Effectiveness of the Volunteer Farmer-Trainer Approach in Dissemination of Livestock Feed Technologies: A Survey of Farmer Trainees in Kenya. East African Dairy Development Project, Nairobi

Kiptot E, Franzel S, Sinja J, Nang'ole E. 2015. Preference and adoption of livestock feed practices among farmers in dairy management groups in Kenya. ICRAF Working Paper No. 208. Nairobi, World Agroforestry Centre

<http://www.worldagroforestry.org/downloads/Publications/PDFS/WP15675.pdf>

Laitinen E, Kuria P. Technology-mediated Resilience Building for Livestock Farmers in ASALs. *Forthcoming IGAD publication*

Laitinen E, Tourula I. 2014. Entrepreneurship education in agricultural BSc degree programme: Case HAMK. Approved to ANAFE publication

Mwambi M, Kiptot E, Franzel S. 2015. Assessing the Effectiveness of the Volunteer Farmer Trainer Approach in Dissemination of Livestock Feed Technologies in Kenya *vis-à-vis* Other Information Sources. ICRAF Working Paper No. 199. Nairobi, World Agroforestry Centre

<http://www.worldagroforestry.org/downloads/Publications/PDFS/WP15022.pdf>

Tuei B. 2014. Improving livelihoods of smallholder dairy farmers through increased fodder accessibility: new strategies, linkages and options for stakeholders in Kipkaren sub- county, Kenya. Poster presented at the FoodAfrica Midterm Seminar, June 16, 2014, Helsinki, Finland

FoodAfrica PhD and MSc Students, Fields and Tentative Title of Thesis

Partner organisation - WP	Name of PhD/MSc Student	Degree and Field of Study	Tentative Title of Thesis	Completion of studies (month/year)
ICRAF – WP1	Abdub Galgallo	PhD Nuclear Science	Role of soil-plant spectral diagnostics in reducing farmer decision risk	Dec 2017
ICRAF – WP1	Mercy Nyambura	PhD Nuclear Science	Relationships between fertility, nutrient status and the mineralogical composition of Africa soils: Method development and application of x-ray diffraction and associated instrumentation	Dec 2016
ICRAF – WP1	Caroline Kemboi	MSc Soil Science	Micronutrients in Plants grown in Soils from selected Regions in Kenya	Dec 2016
ICRAF – WP1	Abdub Galgallo	MSc Nuclear Science	Total and Extractable trace elements in soils: Application of TXRF Analysis	Dec 2015
ICRAF – WP1	Susan Karuga	MSc Soil Science	Micronutrients in Selected Regional Plants in Perspective of Food Security in Kenya: Applications of XRF and NAA	Dec 2015
ICRAF – WP1	Magdalene Nguli	MSc Soil Science	Micronutrients in Selected Food Crops in Muguga, Kenya	Dec 2015
ICRAF –	Bernard Gichohi	MSc Soil Science	Building an Infrared Spectral Library for	Dec 2015

WP1			Predicting Civil and Agricultural Engineering Soil Properties	
EISMV – WP2	Patrick Ema (male, Cameroon national)	PhD - Animal production and Biotechnology	Caractérisation des races bovines laitières du Sénégal: analyse de la diversité génétique, de la production et de la qualité du lait (in French)	Unsure
EISMV – WP2	Sabi Sourokou (male, Benin national)	MSc in animal production and sustainable development	Estimation du poids vif à partir des mensurations corporelles des bovins au Sénégal (in French)	Defence November 2015
EISMV – WP2	Elhadji Sow (male, Senegalese national)	Doctor Of Veterinary Medicine,	Caractéristiques et dominantes pathologiques des élevages bovins laitiers dans les régions de Thiès et de Diourbel (in French)	July 2014
Helsinki University – WP2	Lotta Lassila (female, Finnish national)	MSc in animal science	Senegalissa käytettyjen lypsyrotujen maitotuotoksen ennustaminen mittalypsytuloksista (in Finnish)	Thesis submitted December 2015, expected graduation 2016
Texas A&M – WP2	Lauretta Ngere (female, Nigerian national)	3 month attachment to project (during her PhD)	Norman E. Borlaug Leadership Enhancement in Agriculture Program scholar	Attachment completed 2013
University of Nairobi – WP2	Fredrick Mbugua (male, Kenyan national)	MSc in statistical methodologie	Characterising small-holder dairy farms: a multivariate approach.	Late 2014
EISMV – WP2	Seydou Foni Yacouba (male, Niger national)	MSc in Human Food Quality	To be determined, potentially "Aflatoxin levels in dairy cattle feed and milk in Senegal"	2017
Iowa State University – WP2	Muhammed Walugumbe (male, Ugandan national)	PhD in Livestock in development; gender	To be determined	2017
Wageningen University – WP2	Ruth Waineina (female, Kenyan national)	MSc in Animal breeding and genetics	Genetic and non-genetic factors affecting milk yield in dairy cattle production in Senegal	Mid-2016
Edinburgh University – WP2	Gareth Salmon (male, United Kingdom National)	PhD in Livestock production; climate change	To be determined	2017
ISRA – WP3	Amy Faye	PhD, Economics	Climate change on the Niayes region of Senegal: impact and necessary adaptation	Dec 2016
ISRA – WP3	Assane Bèye	PhD, Economics	Impact analysis of adaptation strategies on productive performance under climate change in the Senegal River Valley: Rice case study	Dec 2016
ISRA – WP3	Yakhy Thior	MSc, Animal Science	Estimate of the variability of the digestibility and methane emissions from ruminant diets depending on the season on rangeland	2015

Université of Abomey-Calavi – WP4	Irène MITCHODIGNI,	PhD, Complementary feeding, Nutrition and Biodiversity	Optimal use of local biodiversity for improving dietary quality of complementary foods of infants and young children in Houeyogbe and Bopa districts (south of Benin)	December 2016
Université of Abomey-Calavi – WP4	Sam Fifalali Ulrich BODJRENOU	MSc, Complementary feeding practices and care	Determinants of stunting and complementary feeding practices in rural areas of southern Benin: Case of Bopa and Houeyogbe communes	Completed In May 2015
Université of Abomey-Calavi – WP4	Elie KOUKOU	MSc, Complementary feeding, dietary quality and nutritional requirements	Role of local food sources in meeting nutritional requirements for complementary feeding of infants and young children	July 2016
Université of Abomey-Calavi – WP4	Fernande HONNOUGAN	MSc, Complementary feeding, Recipes	Characterisation of recipes used in complementary feeding of infants and young children (6-23 months of age) in Houeyogbe and Bopa communes	September 2016
Université of Helsinki – WP4	Nousiainen S	MSc, Complementary feeding practices and care, nutrition	Mothers' perceptions of complementary feeding and the influence of context on infant feeding practices – Qualitative study in rural area of Southern Benin. MSc thesis, University of Helsinki	Completed in June 2014
Université of Helsinki - WP4	Kirsi Ali-Kovero	MSc, Complementary feeding practices and care	Feeding and caring practices of infants aged 6 - 24 months in rural Benin	June 2016
Université of Helsinki - WP4	Fanny Blumme	MSc, Complementary feeding, nutrition	Determinants of malnutrition among young children in southern Benin	December 2016
ILRI/UON – WP5	Daniel Senerwa Mugangai	PhD, Veterinary public health	The prevalence of aflatoxin contamination in the Kenyan dairy value chain: Economic costs and mitigation strategies	2016 (Est dec)
ILRI/UON – WP5	Anima Sirma	PhD, Veterinary public health	Risk assessment of aflatoxins in the Kenyan feed-dairy value chain	2016 (Est dec)
ILRI/MTT /University of Helsinki– WP5	Sara Ahlberg	PhD, Dairy Science	Mitigation of aflatoxin risks with lactic acid bacteria and milk derived proteins and peptides	2016 (Est dec)
ILRI/Luke /University of Helsinki– WP5	Sini Laurikkala	MSc, Dairy Technology	Lactic acid bacteria in mitigation of aflatoxin risk	June 2015
ILRI/Mount Kenya	Gideon Mwangi	MSc, Public health	Aflatoxin exposure among children in the urban low income areas and the association with child nutrition status.	October 2015

universit y– WP5				
ILRI/GIZ– WP5	Maria Walke	MSc, Agricultural Economics	Consumers' perception of aflatoxin: Analysis for raw and processed milk in Kenya	June 2014
Luke – WP6	Mila Sell	PhD, Agricultural Economics	Women's empowerment in agriculture – decision-making, productivity and household wellbeing	2017
Universit é de Dschang, Camerou n – WP7	Mary-Ben Chiatooh	MSc, Agricultural Economics	A review of market information systems and key lessons from case studies in sub-Saharan Africa.	2014
Universit é de Dschang, Camerou n– WP7	Leah Eboutou	MSc, Développement Rural Intégré	Les centres de ressources ruraux promus par l'ICRAF et la diffusion des techniques de domestication des arbres au Cameroun: perception de l'efficacité par les parties prenantes.	2014
Egerton Universit y, Kenya– WP7	Beatrice Tuei	PhD, Agricultural Extension	Improving livelihoods of smallholder dairy farmers through increased fodder accessibility: new strategies, linkages and options for stakeholders in Kipkaren sub- county, Kenya.	Ongoing (scheduled completion late 2016)

Policy briefs

WP5

Hoffmann V, Jones K, Leroy J. 2014. Aflatoxin exposure in Meru and Tharaka-Nithi counties. IFPRI, Washington DC, December 2014, 3 pp

Leroy J, Wang J, Jones K. 2015. Exposure to Aflatoxins greater among poor in eastern Kenya. IFPRI, Washington DC, December 2015, 3pp

Unnevehr L, Grace D (eds). 2013. Aflatoxins: Finding Solutions for Improved Food Safety. IFPRI, Washington DC, November 2013, 58 pp

WP6

Chiatooh M, Sawyer B. 2014. Review of agricultural market information systems in Ghana. FoodAfrica WP6 Working Paper No. 1. International Food Policy Research Institute. Washington, DC

Lubega P, Sawyer B. 2014. Review of agricultural market information systems in Uganda. FoodAfrica WP6 Working Paper No. 1. International Food Policy Research Institute. Washington, DC

WP7

Eboutou L, Degrande A, Fongang G. 2014. Les centres de ressources, sont-ils efficaces? Perception des acteurs locaux. Policy Brief. DRAFT

Kiptot E, Franzel S, Kirui J. 2013. Volunteer farmer trainers: Improving smallholder farmers' access to information for a stronger dairy sector. Policy Brief no. 13. World Agroforestry Centre.
<http://www.worldagroforestry.org/downloads/publications/PDFS/PB12236.PDF>

Kugonza J, Franzel S, Karuhanga M, Kiptot E, Kirui J, Wabwire R, Lutakome P, Kristjanson P. 2015. Volunteer Farmer Trainers Support Improving Farming Practices in Uganda. ICRAF Policy Brief, Nairobi
<http://www.worldagroforestry.org/downloads/Publications/PDFS/PB15250.pdf>

Rural Resource Centers: Bringing agricultural services closer to farmers

Publications for professional audiences

WP1

Laboratory standard operating procedures:

- [Atterberg limits](#)
- [Mid IR with Alpha](#)
- [Particle size distribution by laser diffraction](#)
- [Soil moisture characteristics](#)
- [Soil sample processing at ICRAF soil laboratory](#)
- [Soil sample processing at regional laboratories](#)
- [Total elemental analysis by XRF](#)
- [Total organic carbon and nitrogen](#)
- [Total soil carbon and nitrogen](#)
- [X Ray diffraction analysis](#)

WP2

Survey tools:

Set of 6 survey tools both in English and French, 2 associated training manuals, plus farmer recording sheets <http://ilri-angr.wikispaces.com/Survey+Material+Senegal>

Survey tool on willingness to pay for better genetics to improve the dairy herd <http://ilri-angr.wikispaces.com/Senegal+Dairy+Genetics>

WP3

Camara AD, et al. 2014. Rationalités et raisons de la transhumance. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Faye A. 2014. Economic impact of climate change in Senegal with the TOA-MD 5 model: the case of the Peanut Basin and the Natural Casamance in 2050. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014.

Hyttiainen, K. et al. 2014. Evaluating the alternatives for pastoral households to manage livestock in Senegal. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Faye A, Msangi S. 2015. Optimal extraction of groundwater in the coastal north of Senegal under climate uncertainty: Implications for the horticultural sector. Poster presentation given at the “Our Common Future under Climate Change” conference, Paris, 7-10 July, 2015

Faye A, Msangi S. 2015. Optimal extraction of groundwater in the coastal north of Senegal under climate uncertainty: Implications for the horticultural sector. Powerpoint presentation delivered at the annual meeting of the Northeastern Agricultural and Resource Economics Association (NAREA), Newport Rhode Island, 30 June, 2015

Msangi S. 2014. Climate-smart agriculture and Senegal: Country case of policy and field interplay. Powerpoint presentation made for FAO Climate-Smart Agriculture Webinar Series, 15 May 2014, Food and Agricultural Organization of the UN (FAO), Rome

Msangi S, Faye A. 2014. Building a multi-market model for Senegal: A useful tool for analysis of climate change impacts. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Msangi S, Niemi J, Faye A. 2014. Climate change impacts & adaptation in Senegal. Presentation at FoodAfrica midterm seminar: Food and nutrition security in Africa. Helsinki, 16 July 2014

www.mtt.fi/foodafrica

Niemi J, Hytytainen K, Camara AD, Fall S, Msangi S. 2013. Modelling the sustainability of extensive livestock in Sahel. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

WP6

Minot N. 2015. Ownership and use of mobile phones in Uganda and Ghana. Presentation at the U.S. Agency for International Development, Kampala, Uganda. 9 November 2016

Niemi J, Minot N, Sell M. 2015. Use of mobile phones for agricultural marketing in Ghana and Uganda. Poster and paper submitted for the Finnish Agricultural Scientific Society, Helsinki

Niemi J, Minot N, Sell M. 2015. Use of mobile phones for agricultural marketing in Ghana and Uganda. Presented by Jarkko Niemi at the ISSER, University of Ghana, Legon, 26 April 2015

Sell M, Minot N. Forthcoming. What factors explain women's empowerment? Decision-making among Ugandan small-scale farmers. Draft paper.

WP7

Agribusiness curriculum for BSc, MSc and PhD degree levels

Agribusiness curriculum for Certificate, Diploma degree levels

MSc Curriculum on Risk management

Publications for the general public

WP1

Luedeling E. 2016. An agroforestry view on crop modelling. Agroforestry World Blog
<http://blog.worldagroforestry.org/index.php/2016/04/29/an-agroforestry-view-on-crop-modelling/>

Luedeling E. 2016. How research can have an impact on decision-making for sustainable development. ZEFnews No. 33, page 4
http://www.zef.de/fileadmin/downloads/ZEF_news/33/ZEF_News_33_page_4_impact_decision_making.pdf

Luedeling E, Göhring L, Shepherd K. 2015. A new tool for making big decisions without perfect information. World Agroforestry Blog <http://blog.worldagroforestry.org/index.php/2015/05/26/a-new-tool-for-making-big-decisions-without-perfect-information/>

Luedeling E, Ouya D. 2016. A holistic approach to improving development decisions. Agroforestry World Blog <http://blog.worldagroforestry.org/index.php/2016/04/08/a-holistic-approach-to-improving-development-decisions/>

Ouya D, Shepherd K. 2016. Data revolution needs decision science for sustainable development. Agroforestry World Blog <https://t.co/HLrelvhwjV>

Selvarajah R. 2015. Plant perennials to save Africa's soil. World Agroforestry Blog
<http://blog.worldagroforestry.org/index.php/2012/10/26/plant-perennials-to-save-africas-soil/>

Shepherd K. 2016. How Much Development Data Is Enough? Project Syndicate <https://www.project-syndicate.org/commentary/decision-science-role-in-policymaking-by-keith-d--shepherd-2015-12>

Shepherd K D. 2015. Rapid, low-cost technologies generate high-value soils information for planners and farmers. World Agroforestry Blog <http://blog.worldagroforestry.org/index.php/2015/04/21/rapid-low-cost-technologies-generate-high-value-soils-information-for-planners-and-farmers/>

Shepherd K D. 2015. The simplicity of light is revolutionizing the measurement of soil health. World Agroforestry Blog <http://blog.worldagroforestry.org/index.php/2014/12/05/the-simplicity-of-light-is-revolutionising-the-measurement-of-soil-health/>

Shepherd KD. 2015. The Soil Scientists' Lament.
<http://blog.worldagroforestry.org/index.php/2015/12/07/the-soil-scientists-lament/>

Shepherd K, Luedeling E. 2016. Tackling the unknown: Pragmatic ways to evaluate sustainability. WLE Thrive Blog <https://wle.cgiar.org/thrive/2016/03/02/tackling-unknown-pragmatic-ways-evaluate-sustainability>

Shepherd K, Towett E. 2015. New X-ray technology to reveal the makeup of Africa soils. World Agroforestry Blog <http://blog.worldagroforestry.org/index.php/2013/08/16/new-x-ray-technology-to-reveal-the-makeup-of-africa-soils/>

Waldorf A. 2015. Researchers propose better way to invest in the SDGs. Agriculture and Ecosystems Blog.
<http://wle.cgiar.org/blogs/2015/07/09/researchers-proposal-better-way-to-invest-in-the-sdgs/>

WP2

Project brochures:

ILRI. 2012. Senegal dairy genetics: Improved food and nutritional security from better utilisation of dairy cattle breed-types types in Senegal. Nairobi, Kenya: ILRI <https://cgspace.cgiar.org/handle/10568/16851>

ILRI. 2012. Sénégal génétique laitière: Amélioration de la sécurité alimentaire et nutritionnelle par une meilleure utilisation des races bovines laitières (pures et croisées) au Sénégal. Nairobi, Kenya: ILRI <https://cgspace.cgiar.org/handle/10568/16852>

Project posters:

Ema PJN, Marshall K, Tebug SF, Lassila L, Poole J, Baltenweck I, Tapio M, Juga J, Missohou A. 2014. Milk composition of dairy cattle breeds in Senegal. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Dakar, Senegal: EISMV <http://www.slideshare.net/ILRI>

Lassila L, Marshall K, Ema PJN, Baltenweck I, Poole J, Tebug SF, Tapio M, Missohou A, Juga J. 2014. Milk yield of dairy cattle in Senegal—Senegal dairy genetics. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Helsinki, Finland: University of Helsinki <http://www.slideshare.net/ILRI/milk-yieldsposter>

Marshall K, Tebug S, Juga J, Tapio M, Missohou A. 2014. Comparing traditional and new breeds of dairy animals—Senegal dairy genetics. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Nairobi, Kenya: ILRI <http://www.slideshare.net/ILRI/milk-yieldsposter-2014>

Marshall K, Tebug S, Juga J, Tapio M, Missohou A. 2014. Improved dairy cattle for enhanced livelihoods and improved food and nutritional security in Senegal. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, April, 2016. Nairobi, Kenya: ILRI <https://cgspace.cgiar.org/handle/10568/73306>

Marshall K, Tebug SF, Juga J, Tapio M, Missohou A. 2014. Building capacity of young scientists and stakeholders in dairy—Senegal dairy genetics. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Nairobi, Kenya: ILRI <http://www.slideshare.net/ILRI/capacity-poster-wp24>

Marshall K, Tebug SF, Juga J, Tapio M, Missohou, A. 2014. Establishing a unique information source on low input dairy systems—Senegal dairy genetics. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Nairobi, Kenya: ILRI <http://www.slideshare.net/ILRI/>

Marshall K, Tebug SF, Juga J, Tapio M, Missohou A. 2014. Using advanced DNA approaches to determine breed composition—Senegal dairy genetics. Poster prepared for the Workshop on Food and Nutrition Security in Africa, Helsinki, Finland, 16 June 2014. Nairobi, Kenya: ILRI <http://www.slideshare.net/ILRI/dn-aforbreeds-posterwp23>

Tebug S, Baltenweck I, Poole J, Missohou A, Ema P, Juga J, Tapio M, Marshall K. 2014. Determinants of use of breeding technologies in small to medium scale dairy cattle farms in Senegal. Poster prepared for Tropentag 2014, September 17-19, Prague, Czech Republic

Project videos:

“Sénégal génétique laitière : par une meilleure utilisation des races bovines laitières”

<https://cgspace.cgiar.org/handle/10568/35857>

https://www.youtube.com/watch?v=IhOv1c48_74;
<http://senegaldairy.wordpress.com/multimedia/>

"Senegal dairy genetics: Improved food and nutritional security from better breeds in Senegal"

<https://cgospace.cgiar.org/handle/10568/35856>;
<https://www.youtube.com/watch?v=81oWbySypB4>;
<http://senegaldairy.wordpress.com/multimedia/>

"Senegal dairy genetics project farmers discussing the importance of dairy"

<http://www.youtube.com/watch?v=L1dvxWadgYs>

WP3

Newsletter entries

Amy Faye studies ways to adapt to climate change. FoodAfrica Newsletter, March 2015.

<http://www.luke.fi/foodafrica/news>

Drought risk calls for a range of methods to ensure food security. FoodAfrica Newsletter, March 2015.

<http://www.luke.fi/foodafrica/news>

WP4

Dissemination in news paper and journal online

Bioversity international vulgarise les résultats du projet "FoodAfrica" dans les communes de Bopa et Houéyogbé. Agence Bénin Presse, breaking news, April 27, 2016

http://www.agencebeninpresse.info/affiche_depeche.php?rubrique=Social&sousrubrique=Santé&id=606

Bioversity International lutte contre la malnutrition. Vulgarisation des résultats et des acquis du projet « FoodAfrica » à Bopa et Houeyogbé. Daily News paper « Le Progrès ». N°3878, Thursday 28 April 2016, Page 4.

WP5

Ahlberg S, Lindahl J, Sirma A, Mugangai D, Hoffmann V, Korhonen H, Grace D. 2015. FoodAfrica—Reducing risk of mycotoxins. Poster presented for the Europe Day 2015 commemoration, Nairobi, Kenya, 13 May 2015. Nairobi, Kenya: ILRI

WP6

Niemi J. 2015. Mobile market information systems create opportunities for farmers. FoodAfrica Newsletter, June 2015. <http://www.luke.fi/foodafrica/news>

Niemi J. 2015. Esoko's mobile service helps farmers solve problems. FoodAfrica Newsletter, June 2015. <http://www.luke.fi/foodafrica/news>

WP7

Blogs

It is not about best practice but best fit! www.wca2014.org/its-not-about-best-practice-but-best-fit

Volunteer farmer trainers change the way we think about extension

<http://www.pim.cgiar.org/2014/05/19/vft-impact-story/>

Volunteer farmer trainers: go or no go?

<http://blog.worldagroforestry.org/index.php/2012/10/30/volunteer-farmer-trainers-go-or-no-go/>

Volunteer farmers transforming East Africa's dairy sector

<http://www.worldagroforestry.org/newsroom/highlights/volunteer-farmers-transforming-east-africas-dairy-sector>

What motivates volunteer farmer trainers?

<http://blog.worldagroforestry.org/index.php/2013/10/19/what-motivates-volunteer-farmer-trainers/>

Theses

WP1

Galgallo A. 2017. Role of soil-plant spectral diagnostics in reducing farmer decision risk. PhD thesis, University of Hohenheim

Galgallo A. 2015. Total and Extractable trace elements in soils: Application of TXRF Analysis. MSc thesis, University of Nairobi

Gichohi B. 2015. Building an Infrared Spectral Library for Predicting Civil and Agricultural Engineering Soil Properties. MSc thesis, University of Nairobi

Karuga S. 2015. Micronutrients in Selected Regional Plants in Perspective of Food Security in Kenya: Applications of XRF and NAA. MSc thesis, University of Nairobi

Kemboi C. 2016. Micronutrients in Plants grown in Soils from selected Regions in Kenya. MSc thesis, University of Nairobi

Nyambura M. 2016. Relationships between fertility, nutrient status and the mineralogical composition of Africa soils: Method development and application of x-ray diffraction and associated instrumentation. PhD thesis, University of Nairobi

Nguli M. 2015. Micronutrients in Selected Food Crops in Muguga, Kenya. MSc thesis, University of Nairobi

Towett E. 2013. Prediction of Soil properties for agricultural and environmental applications from infrared and X-ray soil spectral properties. PhD thesis, University of Hohenheim. 172p. <http://opus.ub.uni-hohenheim.de/volltexte/2014/926>

WP2

Lassila L. 2015. Senegalissa käytettyjen lypsyrötujen maitotuotoksen ennustaminen mittalypsytuloksista (Prediction of annual milk yield from test day records in Senegalese dairy cattle), MSc thesis (in Finnish), University of Helsinki

Njuguna F. 2014. Characterising small-holder dairy farms: a multivariate approach. Thesis for MSc. in Biometry (Applied Statistics), University of Nairobi, Kenya

Sourokou S. 2015. Estimation du poids vif à partir des mensurations corporelles des bovins au Sénégal (Estimation of live weight of cattle from body measurements in Senegal), MSc thesis (in French), L'Ecole Inter Etats des Sciences et Médecine Vétérinaires de Dakar

Sow E. 2014. Caractéristiques et dominantes pathologiques des élevages bovins laitiers dans les régions de Thiès et de Diourbel. Thesis for Doctor of Veterinary Medicine, Interstate School of Veterinary Science and Medicine of Dakar, Senegal

WP3

Thior, Y. 2015. Estimate of the variability of the digestibility and methane emissions from ruminant diets depending on the season on rangeland. MSc. Thesis, University of Cheick Anta Diop, Dakar

WP4

Identifying determinant factors of complementary feeding practices and stunting in southern Benin: a cross-sectional study in Bopa and Houeyogbe districts. Master thesis defended by Sam Bodjrenou on May 2015 under supervision of Prof Hounhouigan J. and Drs Amoussa HW., Ntandou-Bouzitou G. University of Abomey Calavi, Benin

Bodjrenou FSU, Waliou AH, Ntandou-Bouzitou GD and Hounhouigan J. Identifying determinant factors of complementary feeding practices and stunting in Southern-Benin rural areas: Case study of the districts of Houéyogbé et Bopa, in Mono department. Master thesis. University of Abomey-Calavi: Cotonou, 2015, 217p.

Nousiainen S (2014). Mothers' perceptions of complementary feeding and the influence of context on infant feeding practices – Qualitative study in rural area of Southern Benin. MSc thesis, University of Helsinki.

WP5

Laurikkala S. Lactic acid bacteria in mitigation of aflatoxin risk. Master of Science thesis presented at University of Helsinki

Walke M. Consumers' perception of aflatoxin: Analysis for raw and processed milk in Kenya Patents and inventions. Master of science thesis presented at University of Bonn

WP6

Sell Mila. (forthcoming). "Women's empowerment in agriculture – decision-making, productivity and household wellbeing" PhD Dissertation. University of Helsinki, Finland. Expected completion in 2017.

WP7

Chiato M. 2013. A review of market information systems and key lessons from case studies in sub-Saharan Africa. Thesis submitted in partial fulfillment of the degree of Master of Science. University of Dschang, Cameroon

Eboutou L. 2013. Les centres de ressources rurales promus par l'ICRAF et la diffusion des techniques de domestication des arbres au Cameroun: perception de l'efficacité par les parties prenantes. Thèse de MSc en Développement Rural Intégré, Université de Dschang, Cameroun

Conference abstracts

Rokka S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic). <http://urn.fi/URN:ISBN:978-952-487-534-9>

WP1

Beniston J, Herrick J, Beh A, Urama K, Shepherd K, Karl J. 2014. The Land Potential Knowledge System: Utilizing crowdsourced data and cloud based analytics to predict soil productivity. Abstract accepted at the 2014 ASA, CSSA and Soil Science Society of America Annual Meetings.

Betemariam E. 2016. Can we monitor soil carbon cost-effectively? Poster Presented at the Expert workshop - Drylands and Forest and Landscape Restoration (FLR) Monitoring Week, 26-29 April 2016, Rome Italy

Betemariam E. 2016. Measuring Soil Carbon Stocks. Presentation at the third hands-on Infrared, Carbon and Nitrogen training course for the System for Land-Based Emission Estimation in Kenya (SLEEK), World Agroforestry Centre, Nairobi, 15th-17th March, 2016

Food Africa press conference. 12 April, 2016. Helsinki Finland. Improving soil, improving health: how 1 708 soil samples from around Africa improve the Sub Saharan Africa's plant, animal and human nutrition

http://yle.fi/uutiset/suomen_historiasta_oppia_afrikan_ruokaturvan_parantamiseen/8805956

Galgallo A, Gatari M, Keskinen R, Esala M, Shepherd K, Karuga S. 2014. Total and Extractable Trace Elements in Soil. Poster presented for the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June 2014

Gatari M, Maina D, Njoroge N, Wagner A, Boman J, Gaita S, Bartilol S. 2013. Trace Metals in Waters of Lake Victoria basin. Presented at The 15th International Conference on Total Reflection X-Ray Fluorescence Analysis and Related Methods (TXRF2013) and the 49th Annual Conference on X-Ray Chemical Analysis, Osaka City University, Osaka, Japan, 23-27 September 2013

Gatari M, Mugoh F, Njenga L, Shepherd K, Sila A, Kamau M, Njoroge N, Maina D. 2013. Prediction of soil properties: An Experiment using Mt Kenya forest Soils. Presented at The 15th International Conference on Total Reflection X-Ray Fluorescence Analysis and Related Methods (TXRF2013) and the 49th Annual Conference on X-Ray Chemical Analysis, Osaka City University, Osaka, Japan, 23-27 September 2013

Kempen B, Hengl T, Heuvelink G, Leenaars J, Walsh M, MacMillan R, Mendes de Jesus J, Shepherd K, Desta L, Tondoh J. 2015. Soil property maps of Africa at 250 m resolution. EGU General Assembly 2015, 17 – 22 April 2016, Vienna, Austria

Keskinen R, Nyambura M, Esala M, Shepherd K. 2013. Surveying the micronutrient status of soils in Sub-Saharan Africa. Poster presented at the Finnish Soil Conference, Helsinki, January 7-8, 2013

Keskinen R, Nyambura M, Esala M, Shepherd K. 2014. Micronutrient concentrations in the soils of Sub-Saharan Africa. Poster presented at Finland Agricultural Sciences Meeting, Helsinki, 8-9 January 2014

Keskinen R, Nyambura M, Shepherd K, Esala M. 2014. Exploiting soil sample archives – effects of long-term storage on the solubility of micronutrients. Poster presented for the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June 2014

Keskinen R, Nyambura M, Shepherd K, Esala M. 2014. Total and soluble concentrations of micronutrients in the top- and subsoils of Sub-Saharan Africa. Abstract submitted to the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June, 2014

Luedeling E, De Leeuw J, Rosenstock T, Lamanna C, Whitney C, Shepherd K D. 2015. Business Decision Analysis Principles in Research for Agricultural Development, Abstract submitted to the Tropentag Conference, 16 - 18 September 2015, Berlin, Germany

Luedeling E, Shepherd K. 2016. Decision analysis principles can guide the modelling of complex agroforestry systems. Poster presented at the International Crop Modelling Symposium iCROPM2016 15-17 March 2016, Berlin, Germany

Nyambura M. 2013. Presentation on WP1 to a Finland Embassy Workshop to exchange experiences between the Finnish funded rural development, food security and natural resources programs in Kenya, 7 February 2013

Nyambura M, Gatari M, Hillier S, Esala M, Shepherd K. 2013. The relationships between fertility, nutrient status and mineralogical composition of African soils: Application of X-ray diffraction and associated analytical methods. Poster presented at student poster fair, James Hutton Institute, Aberdeen, UK, 6 February 2013

Nyambura M, Hillier S, Shepherd K, Martti E, Gatari M. 2015. A quantitative survey of Sub-Saharan Africa soil mineralogy and its relationship to soil micronutrients. Euroclay2015, 5-10 July 2015, Edinburgh University, Appleton Tower, Scotland

Nyambura M, Keskinen R, Towett E, Shepherd K, Esala M. 2014. Can diffuse mid infrared reflectance provide information on soil micronutrient status? Poster presented at the Micronutrient Forum Global Conference, Addis Ababa, Ethiopia, 2-6 June 2014

Nyambura M, Keskinen R, Towett E, Shepherd K, Esala M. 2014. Can diffuse mid infrared reflectance provide information on soil micronutrient status? Poster presented at the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June 2014

Nyambura M, Towett E, Nyandika H, Chacha R, Shepherd K, Gatari M. 2013. Use of Hand-Held X-ray Fluorescence analyzer for rapid screening of soils. Poster presented at the Soil Science Society of East Africa Conference, Nakuru, Kenya, October 21-25, 2013

Reinsch T, Herrick J, Hempel J, Shepherd K, Smith D, Beniston J, Norfleet L. 2014. Sustaining Ecosystem Services Based on an Understanding of Pedodiversity: a Global System Based on Cloud Computing, Mobile Apps and Crowdsourcing. Oral presentation at the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June, 2014

Shepherd K. 2014. How much soil spatial information do we need to address critical uncertainties in development decisions? Invited keynote presentation for C1.5-2- Quantification and Application of Uncertainty in Pedometrics, addressing the role of soil spatial information in management and how information on uncertainty about soil spatial information can aid in informed decision making. Oral presentation at the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June, 2014.

Shepherd K. 2014. Soil spectroscopy in the Africa Soil Information Service. Oral presentation at the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June, 2014

Shepherd K, Esala M, Nyambura M, Keskinen R, Sila A, Towett E. 2016. Strengthening Capacity for Diagnosis and Management of Soil Micronutrient Deficiencies in Sub-Saharan Africa for Improved Plant, Animal and Human Nutrition: Presentation at the FoodAfrica Seminar on Global Food Security, 12 April 2016, University of Helsinki main building, Fabianinkatu 33, Helsinki, Finland

Shepherd K, Luedeling E. 2016. Decision-focused research for accelerating development impact. Abstract submitted for the Global Conference on Agricultural Research for Development (GCARD3), 5-8 April 2016, Johannesburg, South Africa

Shepherd K, Luedeling E. 2016. Prioritizing research for development impact. Abstract submitted for the Global Conference on Agricultural Research for Development (GCARD3), 5-8 April 2016, Johannesburg, South Africa

Shepherd K, Sila A, Weullow E, Nyambura M, Towett E, Aynekulu E. 2013. Soil Infrared Spectroscopy Applications in Africa. Keynote address, International Workshop "Soil Spectroscopy: the present and future of Soil Monitoring", FAO HQ, Rome, Italy, 4-6 December 2013.

Shepherd K, Towett E, Muhati S, Sila A, Nyambura M, Weullow E. 2015. Spectral diagnostics: enabling risk-based predictive agronomy, Abstract submitted to the 7th International Conference of the African Soil Science Society, 8th - 12th February 2016, Ouagadougou - Burkina Faso (Meeting postponed to a later unspecified date).

Shepherd K, Walsh M, Betemariam E. 2013. Land Health Surveillance - Information for decision making. Presented at CIMMYT - Bill & Melinda Gates Foundation workshop on Remote Sensing – Beyond Images, 14-15 December 2013, Hotel Sevilla Palace, Mexico City.

Sila A, Pokhariyal G, Aynekulu E, Ichami S, Shepherd K. 2013. Spatial distribution of topsoil Carbon content and pH concentration in Lake Victoria Basin. Oral presentation at the Soil Science Society of East Africa Conference, October 21-25, 2013, Nakuru, Kenya

Sila A, Shepherd K, Pokhariyal P, Towett E, Weullow E, Nyambura M. 2015. Using spectral subspaces to improve infrared spectroscopy prediction of soil properties. Geophysical Research Abstracts, EGU General Assembly 2015, 17 – 22 April 2016, Vienna, Austria.

Takoutsing B, Diby L, Betemariam E. 2015. Abstract submitted for the Pedometrics 2015 conference, 14-18 September, University of Cordoba, Spain

Takoutsing B, Diby L, Betemariam E, Shepherd K , Tchoundjeu Z, Coe R. 2015. Land health surveillance for identifying land constraints and enhancing soil productivity in smallholders' agriculture in Cameroon. Abstract submitted to the Wageningen Soil Conference 2015, 23rd August - 27th August, Orion Building, Wageningen Campus

Towett E, Nyambura M, Sila A, Betemariam E, Shepherd K, Keskinen R, Esala M. 2014. Potential of MIR, TXRF and XRD as complementary techniques for assessment of soil properties. Poster presented at the 20th World Congress of Soil Science, ICC Jeju, Korea, 8-13 June, 2014

Towett E, Shepherd K. 2016. Soil-Plant Spectroscopy for Evidence-Based Agronomy. Scaling Precision Nutrient Management (PNM) Practices in South Asian Cereal System. Mussoorie India, 27-29 April 2016

Towett E, Shepherd K, Cadisch G. 2013. Quantification of total element concentrations in soils using TXRF. Oral presentation, First European TXRF User Workshop, Bruker Nano, Berlin, Germany, 14-16 October 2013

Towett E, Shepherd K, Cadisch G, Aynekulu E, Sila A. 2012. The Potential of Combining Infrared and Total X-Ray Fluorescence Spectroscopy for the Prediction of Soil Functional Properties. An extended synopsis submitted for the International Conference on Managing Soils for Food Security and Climate Change Adaptation and Mitigation, Vienna, Austria, 23-26 July 2012

Towett E, Shepherd K, Sila A, Aynekulu E, Cadisch G. 2015. Combining mid infrared and total X-ray fluorescence spectroscopy for prediction of soil properties. Geophysical Research Abstracts 17, EGU2015-836, 2015. EGU General Assembly 2015, 17 – 22 April 2016, Vienna, Austria

Towett, E, Sila A, Nyambura M, Aynekulu E, Cadisch G, Shepherd K. 2013. Potential of MIR, TXRF and XRD as complementary techniques for assessment of soil properties. Oral presentation, International Workshop "Soil Spectroscopy: the present and future of Soil Monitoring", FAO HQ, Rome, Italy, 4-6 December 2013

Towett E, Sila A, Nyambura M, Aynekulu E, Cadisch G, Shepherd K. 2014. Potential of MIR, TXRF and XRD as complementary techniques for assessment of soil properties. Poster presented at the Micronutrient Forum Global Conference, Addis Ababa, Ethiopia, 2-6 June 2014

Weullow E, Sila A, Aynekulu E, Shepherd K. 2013. Capacity building on spectral diagnostic techniques for land health surveillance. Oral presentation at the Soil Science Society of East Africa Conference, Nakuru, Kenya, October 21-25, 2013

Whitney C, Gebauer J, Bahati J, Luedeling E. 2015. Farming for Food Security: Probabilistic Simulations of Farm Contribution to Nutrition in Southwest Uganda, Abstract submitted to the Tropentag Conference, 16 - 18 September 2015, Berlin, Germany

WP2

Conference abstracts reviewed:

Lassila L, Jolly Ngono Ema P, Marshall K, Missohou A, Tapio M, FonTebug S, Juga J. 2016. Milk production of indigenous and crossbred dairy cattle in Senegal. In book of abstracts in Steps to Sustainable Livestock International Conference 2016, Bristol, UK 12-15 January 2016 Proceeding ID number 82

Tebug SF, Baltenweck I, Poole EJ, Missohou A, Ema PJN, Juga J, Tapio M, Marshall K. 2014. Uptake of Artificial Insemination and Non-Indigenous Cattle in Small to Medium Scale Farms in Senegal - accepted for publication in proceedings of Tropentag 2014, September 17-19, Prague, Czech Republic

Conference abstracts unreviewed:

Ema PJN, Marshall K, Tebug S, Lassila L, Poole J, Baltenweck I, Tapio M, Juga J, Missohou A. 2014. Milk composition of dairy cattle breeds in Senegal. In: Rokka S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic). <http://jukuri.mtt.fi/bitstream/handle/10024/484254/mttiede26.pdf>

Lassila L, Marshall K, Ema PJN, Baltenweck I, Poole J, Tebug S, Tapio M, Missohou A, Juga J. 2014. Predicting lactation records from testday samples in indigenous and crossbred dairy animals in Senegal., In: Rokka S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic).

<http://jukuri.mtt.fi/bitstream/handle/10024/484254/mttiede26.pdf>

Marshall K, Tebug S, Poole J, Baltenweck I, Tapio M, Juga J, Missohou A. 2014. [Senegal Dairy Genetics](#). In: Rokka S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic).
<http://jukuri.mtt.fi/bitstream/handle/10024/484254/mtttiede26.pdf>

WP3

Camara AD, et al. 2014. Rationalités et raisons de la transhumance. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Faye A. 2014. Economic impact of climate change in Senegal with the TOA-MD 5 model: the case of the Peanut Basin and the Natural Casamance in 2050. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Faye A, Fall S, Msangi S, Bèye A. 2014. Climate change impacts on agriculture % agricultural economies: The example of Sénégal. I. Rokka, S. (ed.) 2014. Food and nutrition security in Africa. Book of abstracts. MTT Science 26. MTT Agrifood Research Finland, Jokioinen. pp. 18-19

Faye A, Msangi S. 2015. Optimal extraction of groundwater in the coastal north of Senegal under climate uncertainty: Implications for the horticultural sector. Poster presentation given at the "Our Common Future under Climate Change" conference, Paris, 7-10 July, 2015

Faye A, Msangi S. 2015. Optimal extraction of groundwater in the coastal north of Senegal under climate uncertainty: Implications for the horticultural sector. Powerpoint presentation delivered at the annual meeting of the Northeastern Agricultural and Resource Economics Association (NAREA), Newport Rhode Island, 30 June, 2015

Faye A, Msangi S. 2015. Optimal groundwater management under uncertain climate: The case of the Niayes region of Senegal. Paper written for presentation at the ECOMOD international conference on economic modeling, Boston, 15 July, 2015

Hytytäinen K. et al. 2014. Evaluating the alternatives for pastoral households to manage livestock in Senegal. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Kuusela O-P. 2015. Policies to enhance food security of pastoralist households in Ferlo, Senegal. Discussion paper written for dissemination and further development

Msangi S. 2014. Climate-smart agriculture and Senegal: Country case of policy and field interplay. Presentation made for a webinar series on Climate-Smart Agriculture (CSA), held on 15 May, 2014

Msangi S, Faye A. 2014. Building a multi-market model for Senegal: A useful tool for analysis of climate change impacts. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

Msangi S, Niemi J, Faye A. 2014. Climate change impacts & adaptation in Senegal. Preseantation at FoodAfrica midterm seminar: Food and nutrition security in Africa. Helsinki, 16 July 2014
www.mtt.fi/foodafrica

Niemi J, Hyytiainen K, Camara AD, Fall S, Msangi S. 2015. Modelling the sustainability of extensive transhumant livestock husbandry in northern Senegal. Paper presented at the annual conference of the European Environment and Resource Economics Association (EAERE), 24-27 June 2015, Helsinki, Finland

Niemi J, Hyytiainen K, Camara AD, Fall S, Msangi S. 2013. Modelling the sustainability of livestock in the Sahel. Paper presented at the 1st International Conference on Food Security, 29 Sept – 2 Oct 2013, Noordwijkerhout, the Netherlands

Niemi J, Hyytiainen K, Camara AD, Fall S, Msangi S. 2013. Modelling the sustainability of extensive livestock in Sahel. Presentation at the stakeholder workshop on Climate Change Impacts & Adaptation in Senegal. ISRA, Dakar, 16 January, 2014

WP4

Bodjrenou S, Amoussa-Hounkpatin W, Ntandou-Bouzitou G, Hounhouigan J (2014). Which factors could determine stunting in rural areas in Benin? In: Rokka S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic)

Mitchodigni I, Amoussa-Hounkpatin W, Ntandou-Bouzitou G, Hounhouigan J (2014). Complementary food patterns among infants and young children in Houeyogbe and Bopa Districts in Southern Benin, West Africa. In: ROKKA, S. (ed.) 2014. Food and Nutrition Security in Africa. Book of Abstracts. MTT Science 26. 28 p. ISBN 978-952-487-533-2 (print). ISBN 978-952-487-534-9 (electronic)

Nousiainen S, Hiltunen A, Ali-Kovero K, Lindfors P, Erkkola M and Amoussa-Hounkpatin WBA (2014). Mothers' knowledge of complementary feeding and the influence of context – A mixed methods study in Southern Benin. Poster presented at the FoodAfrica MidTerm seminar, Helsinki, June 16, 2014

Ntandou-Bouzitou G, Termote C, Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements for complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa. Oral presentation at the FoodAfrica MidTerm seminar, Helsinki, Finland, June 16, 2014

Ntandou-Bouzitou G, Termote C., Amoussa W, Mutanen M. The role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children, Southern Benin. Poster presented at the FoodAfrica Final seminar, Helsinki, April 16, 2016

WP5

Ahlberg SH, Joutsjoki V, Korhonen HJ. 2014. Creating Novel Approaches to Mitigate Aflatoxin Risk in Food and Feed with Lactic Acid Bacteria- mold growth inhibition. In: MTT Science 26: Book of Abstracts. FoodAfrica Midterm Seminar, Helsinki 16th June 2014.p. 24

Ahlberg SH, Joutsjoki V, Korhonen HJ, Varmanen P, Laurikkala S. 2015. Lactic acid bacteria as a biocontrol method to reduce growth of aflatoxigenic moulds. In: Predictive Modelling in Food. International Congress, Rio de Janeiro, 17-19 September 2015

Ahlberg S, Korhonen H, Joutsjoki V, Grace D. 2013. Creating novel approaches to mitigate aflatoxin risk in food and feed with dairy derived proteins and lacticacid bacteria. In: The First African Regional Conference of the International Association on Ecology and Health (Africa 2013 Ecohealth), Grand-Bassam, Côte d'Ivoire, 1-5 October 2013. [\[url\]](#)

Hoffmann V. 2015. Market incentives for food safety and the adoption of post-harvest technologies. Presentation at the First International Congress on Postharvest Loss Prevention, October 2015, Rome Italy

Kiama TN, Sirma AJ, Senerwa DM, Ochungo P, Waithanji E, Lindahl J, Kang'ethe EK and Grace D. 2013. How qualitative studies and gender analysis can add value to the assessment of dietary exposure to aflatoxins in Kenya. Paper presented at the First African Regional Conference of the International Association on Ecology and Health (Africa 2013 Ecohealth), Grand-Bassam, Côte d'Ivoire, 1-5 October 2013

<http://cgospace.cgiar.org/handle/10568/33907>

Leroy J. 2014. Aflatoxins and child stunting. Presentation at Global Donor platform meeting October 1 2014

Lindahl J, Grace D. 2013. Aflatoxins, major contributions to harvest loss – what do we know and not know? Paper presented at the annual conference on Agriculture for Rural Development, Uppsala, Sweden, 25-26 September 2013

Lindahl J, Grace D. 2014. Aflatoxins, animal health and safety of animal source foods –Virtual briefing by the Global Donor Platform for Rural Development

Lindahl J, Grace D. 2014. CGIAR Research to combat mycotoxins in Africa. Presentation at University of Nairobi Sept 4 2014

Lindahl J, Grace D. 2014. Combating aflatoxins- can we win the war? Presentation at Global Donor platform meeting October 1 2014

Lindahl J, Harvey J, Grace D. 2014. Aflatoxins- serious threats to food safety and food security. But is it related to livestock? Poster presented at Tropentag September 17-19 2014

Senerwa D. 2013. The economic costs of aflatoxins in the Kenyan dairy value chain. Presentation at a seminar on the current status of aflatoxin research and management at the International Livestock Research Institute (ILRI), Nairobi, Kenya, 22 August 2013

Senerwa D, Mtimet N, Lindahl J, Kang'ethe E, Grace, D. Assessment of economic costs of aflatoxins in Kenyan dairy value chain. In: MTT Science 26: Book of Abstracts. FoodAfrica Midterm Seminar, Helsinki 16th June 2014

Senerwa DM, Mtimet N, Lindahl J, Kang'ethe EK, Grace D. 2013. Levels of aflatoxins in the Kenyan dairy value chain: How can we assess the economic impact? Poster presented at the First African Regional Conference of the International Association on Ecology and Health (Africa 2013 Ecohealth), Grand-Bassam, Côte d'Ivoire, 1-5 October 2013. <http://cgospace.cgiar.org/handle/10568/33793>

Sirma AJ. 2013. Risk assessment of aflatoxins in the Kenyan dairy value chain. Presentation at a seminar on the current status of aflatoxin research and management at the International Livestock Research Institute (ILRI), Nairobi, Kenya, 22 August 2013

Sirma AJ, Lindahl J, Kiama TN, Senerwa DM, Waithanji EM, Kang'ethe EK and Grace D. 2013. Systematic literature review of mycotoxins with a One Health perspective. Poster presented at the First African Regional Conference of the International Association on Ecology and Health (Africa 2013 Ecohealth), Grand-Bassam, Côte d'Ivoire, 1-5 October 2013.

Sirma A, Senerwa D, Lindahl J, Makita K, Kang'ethe E, Grace D. Aflatoxin M1 survey in dairy households in Kenya. In: MTT Science 26: Book of Abstracts. FoodAfrica Midterm Seminar, Helsinki 16th June 2014

Waithanji EM, Kiama TN, Sirma AJ, Senerwa DM, Lindahl J and Grace D. 2013. A strategy for mainstreaming gender: An example from a dairy feed value chain study in Kenya. Presentation at the First African Regional Conference of the International Association on Ecology and Health (Africa 2013 Ecohealth), Grand-Bassam, Côte d'Ivoire, 1-5 October 2013 <http://cgspace.cgiar.org/handle/10568/33895>

Walke M. 2013. Assessing people's perceptions of aflatoxin: The case of milk consumers in Kenya. Presentation at a seminar on the current status of aflatoxin research and management at the International Livestock Research Institute (ILRI), Nairobi, Kenya, 22 August 2013

Walke M, Mtmet N, Baker D, Lindahl J, Hartmann M, Grace D. Kenyan perceptions of aflatoxin: An analysis of raw milk consumption. Accepted at European Association of Agricultural Economist 2014 conference, 26-29 August 2014

WP6

Minot N. 2014. Agricultural marketing and the use of mobile phones: Results from Ghana and Uganda. Presented at the FoodAfrica Mid-term Conference University of Helsinki, Helsinki, 16 June 2014. Presented by Maximo Torero

Minot N. 2014. Agricultural marketing and mobile phones in Uganda: Results from a household survey. Presented at Agricultural Development Partners Group, 28 January 2014, Royal Danish Embassy, Kampala

Minot N. 2012. Design of a randomized control trial to evaluate the impact of agricultural information delivered by mobile phones in Uganda. Presented at the Inception Workshop entitled "Using mobile phones to deliver agricultural information in Uganda". 11 May 2012, Imperial Royale Hotel, Kampala

Minot N, Sawyer B. 2013. Use of mobile phones and other sources of information by farmers in Uganda. Presented at 4th Annual Market Information Symposium, 12-13 September 2013, Royal Suites Hotel, Kampala

Niemi J, Minot N, Sell M. 2015. Use of mobile phones for agricultural marketing in Ghana and Uganda. Presented by Jarkko Niemi at the ISSER, University of Ghana, Legon, 26 April 2015

Niemi J, Sell M, Minot N. 2016. Matkapuhelinten käyttö maataloustuotteiden myynnissä Ghanassa ja Ugandassa (Use of mobile phones in agricultural marketing in Ghana and Uganda). In: Alakukku L, Schulman N, Puhakainen T (eds.). 2016. Maataloustieteen Päivät 2016. Esitelmä- ja posteritiedostimet (Agricultural Science Days 2016. Presentations and posters. Finnish Agricultural Scientific Record). Volume 32. p. 232 http://www.smts.fi/sites/smts.fi/files/MAATALOUSTIETEEN_ABSTRAKTIKIRJA2016.pdf

WP7

Franzel S, Sinja J, Simpson B Farmer to farmer extension approaches for improving rural advisory services: Lessons from Kenya. Paper presented at the Extension Africa Conference, June 16-19, 2015, Ohio State University

Other material (videos, interviews, on-line material, etc.)

WP1

Africa Food Shortage Blamed on Poor Soils. 9 September 2014. Herald Globe, Voice of America's interview with Keith Shepherd

Africa Soil Information Service (AfSIS) Newsletter Issue II. 2012. Analyzing Africa's Soils Using Spectroscopy: Using the latest technology to screen soil health. http://africasoils.net/current-newsletter#anchr_326

Aynekulu E. 2015. Integrating soil health monitoring in the socio-economic panel data to improve agricultural statistics, World Bank LSMS project, Uganda 7-14 April 2015 Kampala, Uganda

Aynekulu E. and Shepherd K. 2015. Training in monitoring soil carbon stocks, BIODEV project, Burkina Faso 9-12 June 2015 Burkina Faso

Ethiopia Government press release. Ethiopia establishes a soil information service based on CGIAR-developed methods. <http://www.ata.gov.et/programs/system-programs/soil>

Finland press release. 3 October 2013. First comprehensive survey on micronutrients in African soil coordinated by FoodAfrica

FoodAfrica Newsletter (in Finnish). September 2013. Mapping African Soil Micro Nutrients.

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<http://blog.worldagroforestry.org/index.php/2013/08/16/new-x-ray-technology-to-reveal-the-makeup-of-africa-soils>

WP2

Databases:

Database for all field data collected under the project in electronic format, and accessible through the internet with permission <http://data.ilri.org/portal/dataset?q=SDG>

Products:

Weigh band to determine the weight of dairy cattle in Senegal (of different breed-types) from heart-girth measurements

Model to determine the cost:benefit of keeping different breed-types of dairy animals in low-input systems in developing countries

Project website / blogs:

FoodAfrica: https://portal.mtt.fi/portal/page/portal/mtt_en/projects/foodafrica

Senegal Dairy Genetics: <http://senegaldairy.wordpress.com/>

Project blogs (ILRI):

Better dairy cattle breeds and better management can improve the livelihoods of the rural poor in Senegal. <https://senegaldairy.wordpress.com/category/ilri/> (April 2016)

Genetics project tackles peri-urban dairy systems in Senegal <http://livestockfish.cgiar.org/2012/04/22/mali-genetics/>

Lessons from research: delivering results from FoodAfrica <http://sustainable-livestock.ilri.org/2014/07/10/lessons-from-research-delivering-results-from-foodafrica/>

Senegal Dairy Genetics – a new project at ILRI: <http://www.ilri.org/node/7295>; <http://biolives.wordpress.com/2012/04/25/senegal-dairy-genetics/>

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Presentations:

Marshall K. 2015. Animal breeding for reduced poverty and improved food security in developing countries. Presented at the John Vercoe Memorial Lecture on the Association for Animal Breeding and Genetics (AAABG) Conference, Australia, 28-30 September 2015. Nairobi, Kenya: ILRI. *Invited conference presentation Inclusive of Senegal Dairy Genetics results and video* <http://www.slideshare.net/ILRI/john-vercoe-marshall2015>

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Marshall K, Tebug S, Juga J, Tapio M, Missoum A. 2016. Senegal dairy genetics, Sénégal génétique laitière. Presented at the FoodAfrica Seminar, Finland, 12 April 2016. Nairobi, Kenya: ILRI

Tapio M, Negussie E, Marshall K. 2012. Improved food and nutritional security from better utilisation of dairy cattle breed/cross-breed types in Senegal. Presented at 12 October 2012. Jokioinen, Finland: MTT Agrifood Research Finland <http://www.slideshare.net/ILRI/mtt-senegal-tapio2012>

Document repository

Document repository on ILRI Animal Genetic Resource wiki, see <http://ilri-aner.wikispaces.com/Senegal+Dairy+Genetics>

WP3

Howitt R, Msangi S, MacEwan D. 2015. Quantitative Methods for Agricultural Policy Analysis. Course reader for 5-day training Session (19-23 October 2015, Dakar)

WP4

Flyers and posters produced for dissemination

- 1) Nutrition pendant la grossesse et l'allaitement [Nutrition during pregnancy and breastfeeding]
- 2) Promotion des pratiques optimales de l'allaitement maternel jusqu'à 6 mois [promotion of breastfeeding practices until 6 months]
- 3) Pourquoi commencer l'alimentation de complément à partir de l'âge de 6 mois? [Why starting complementary feeding at 6 months?]
- 4) Les pratiques adéquates d'hygiène et le déparasitage [Good hygiene and deworming practices]
- 5) Comment les aliments de base peuvent être améliorés pour donner aux jeunes enfants un aliment de complément nutritif ? [How staple foods can be improved to give nutritious complementary foods to young children?]
- 6) Pratiques d'alimentation du jeune enfant et Promotion des soins nutritionnels pour les enfants malades et malnutris [Infant feeding practices and promotion of nutritional care for unhealthy and malnourished children]
- 7) Lutte contre le paludisme et prévention de l'anémie et de l'avitaminose A chez les femmes et les enfants [malaria and prevention of vitamin A and iron deficiency among women and children]
- 8) Le retard de croissance et les autres formes de malnutrition [Stunting and other forms of malnutrition]
- 9) La diversité des aliments locaux [Diversity of local foods]
- 10) Richesse de la biodiversité locale pour la nutrition et la santé [Richness of local biodiversity for nutrition and health]
- 11) Aliments de la biodiversité locale pour le bien-être de la famille [foods from local biodiversity for family well-being]
- 12) Consommons les aliments de notre biodiversité (version 1)[let us consume foods from our biodiversity]
- 13) Consommons les aliments de notre biodiversité (version 2)[let us consume foods from our biodiversity]

Posters produced for dissemination

- 1) Diversité alimentaire et les micronutriments [dietary diversity and micronutrients]
- 2) La diversité alimentaire et les micronutriments pour la mère et l'enfant [dietary diversity and micronutrients for the mother and the child]
- 3) Nutrition pendant la grossesse et l'allaitement [nutrition during pregnancy]
- 4) Promotion des pratiques optimales de l'allaitement maternel jusqu'à 6 mois (Version 1) [promotion of breastfeeding practices until 6 months]
- 5) Promotion des pratiques optimales de l'allaitement maternel jusqu'à 6 mois (Version 2) [promotion of breastfeeding practices until 6 months]
- 6) Pourquoi commencer et diversifier l'alimentation de complément à partir de l'âge de 6 mois ? [Why starting and diversify complementary feeding from 6 months ?]
- 7) Comment alimenter votre bébé à partir de 6 mois ? (Bonnes pratiques d'alimentation de complément) [How to feed your baby from 6 months ? (Good complementary feeding practices)]
- 8) Les bonnes pratiques d'alimentation du jeune enfant [Good breastfeeding practices for the young child]
- 9) Les pratiques adéquates d'hygiène et le déparasitage [Good hygiene practices and deworming]
- 10) Prévention de l'anémie ferriprive et lutte contre le paludisme [Prevention of iron deficiency anemia and malaria]
- 11) Prévention de l'avitaminose a chez les femmes et les enfants [Vitamin A deficiency anemia]
- 12) Comment les aliments de base peuvent être améliorés pour donner au jeune enfant un aliment de complément nutritif ? [How staple foods can be improved to give nutritious complementary foods to young children?]
- 13) Promotion des soins nutritionnels pour les enfants malades ou malnutris [promotion of nutritional care for unhealthy and malnourished children]
- 14) Le retard de croissance [stunting]

Videos produced for dissemination

- 1) Extra needs during pregnancy and breastfeeding
- 2) Food diversity and different micronutrients
- 3) Why starting complementary feeding at 6 months
- 4) Feeding practices
- 5) Food diversity and different micronutrients from local biodiversity for IYC
- 6) How staple foods can be improved
- 7) Recipes to support mothers and their time available for cooking
- 8) Why good feeding practices are important
- 9) Good hygiene practices
- 10) Children need good protein sources
- 11) Anemia
- 12) Sources of iron
- 13) Folate
- 14) Vitamin A
- 15) Malaria
- 16) Diabetes
- 17) Colostrum
- 18) Exclusive breastfeeding
- 19) Breastfeeding benefits
- 20) Breastmilk vs animal milk
- 21) Sufficiency of breastmilk
- 22) Breastfeeding problems
- 23) Hygiene
- 24) Worms
- 25) Iodine
- 26) Stunting (Version 1)
- 27) Stunting (Version 2)

Presentations:

Bodjrenou S. Etat nutritionnel des enfants de 6-23 mois et facteurs associés dans les communes de Bopa & Houéyogbé, Sud-Bénin. FoodAfrica WP4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Kpadjouda C. L'utilisation harmonisée des posters et vidéos comme outils dynamiques d'éducation pour l'amélioration des connaissances aptitudes et pratiques des mères en matière de nutrition et santé. foodafrica wp4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Mitchodigni I, Honnougan Fernande. Amélioration des recettes locales par la programmation linéaire et acceptabilité par les mères et les enfants. FoodAfrica WP4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Ntandou-Bouzitou G. Importance de la vidéo dans la stratégie de communication du projet « Foodafrica Wp4 » dans les communes de Bopa et Houéyogbé au sud du Benin. Presentation made at the Task-Force communication meeting of the National Council of Food and Nutrition in Benin, May 10, 2016

Ntandou-Bouzitou G. Rôle de la biodiversité locale dans l'alimentation complémentaire des nourrissons et jeunes enfants des villages des communes de Bopa et Houéyogbé au Sud du Bénin : Présentation des

objectifs et réalisations du projet. Presented at the FooAfrica WP4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Ntandou-Bouzitou G, Termote C, Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa. WP4 achievements and results presented at the FoodAfrica Final seminar, Helsinki, Finland, April 12, 2016

Ntandou-Bouzitou G, Termote C., Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa. WP4 presentation at the FoodAfrica MidTerm seminar, Helsinki, Finland, June 16, 2014

Ntandou-Bouzitou G, Termote C, Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa. WP4 progress presentation at the FoodAfrica annual meeting, Kampala, Uganda, January 29, 2013

Ntandou-Bouzitou G, Termote C, Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa. WP4 progress update presented at the FoodAfrica annual meeting, Nairobi, Kenya, February 24, 2015

Offoh P, Ntandou-Bouzitou G, Termote C, Amoussa W, Mutanen M. Investigating the current and potential role of local biodiversity in meeting nutritional requirements from complementary foods of infants and young children (6-23 months) in Southern Benin, West Africa: Results of diagnostic study phases. FoodAfrica WP4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Sounouke VP, Termote C, Ntandou-Bouzitou G, Ndankou S. Richesse de la biodiversité locale pour la sécurité alimentaire, la nutrition et la santé. FoodAfrica WP4 Dissemination workshop at national level, Cotonou, Benin, April 29, 2016

Termote C, Ntandou-Bouzitou G. Outcome Mapping workshop: FoodAfrica case. Rome, Italy, June 26, 2013

WP5

Atherstone C. 2014. Joint CGIAR meeting on aflatoxins, 21 February 2014. Nairobi, Kenya: ILRI

Hietaniemi V, Kaukoranta T. 2013. Potential for forecasting risk of aflatoxin and fumonisin in maize in Kenya. A discussion paper

Hoffmann V, Jones K, Leroy J. 2013. Mitigating Aflatoxin Exposure to Improve Child Growth in Eastern Kenya. IFPRI Project Note, August 2013

http://www.ifpri.org/sites/default/files/publications/mtidspotlight_Kenya.pdf

ILRI. 2014. Fighting aflatoxins: Reducing risks in Kenya's food chains. Photofilm. Nairobi, Kenya: ILRI

Waithanji E, Grace D. 2014. Tools and concepts for mainstreaming gender in aflatoxin research at the International Livestock Research Institute. ILRI Project Report. Nairobi, Kenya: ILRI

Wyatt A, Atherstone C. 2014. Fourth Aflatoxin Research Coordination Meeting, IFPRI, Washington, D.C., 20 March 2014. Nairobi, Kenya: ILRI

Broader publications which also cover aflatoxin research outputs

ILRI. 2014. Food safety in East Africa: Report of a stakeholder workshop by the International Livestock Research Institute and the Food and Agriculture Organization of the United Nations. Nairobi, Kenya: ILRI

ILRI. 2014. Livestock Matter(s): ILRI news round-up, May-June 2014. Nairobi, Kenya: ILRI
[LivestockMatters_May-June 2014_print.pdf](#)

Worsley, S. 2014. A Meeting of Minds: Report from discussions between SNV and the Livestock and Fish research program, Nairobi, 27 May 2014. Nairobi, Kenya: ILRI
[https://www.youtube.com/watch?v=3XxTQ4J3uJ0](#)

WP6

Niemi J. 2015. Agricultural marketing and mobile phones: Preliminary results from Ghana and Uganda. Presented at the University of Ghana at Legon, April 2015

Survey instrument: 2012 Northern Ghana Agricultural Marketing Survey.

Survey instrument: 2015 Northern Ghana Agricultural Marketing Survey.

Survey instrument: 2012 Uganda Agricultural Marketing Survey.

Survey instrument: 2015 Uganda Agricultural Marketing Survey.

Video: Agricultural market information: A farmer's perspective (3-minute version)

[https://drive.google.com/file/d/0B_exsyow_aKZM1psSkxBelhdUE/view?invite=CKGZwNwL&ts=56f9cc67&pref=2&pli=1](#)

Video: Agricultural market information: A farmer's perspective (10-minute version)

[https://drive.google.com/file/d/0B_exsyow_aKZYkIXM1lxMS1VYVE/view?pref=2&pli=1](#)

Video: How do market information systems work? (10 minute version)

[https://drive.google.com/file/d/0B_exsyow_aKZRDA1OFVQTnJtdXM/view?invite=Cli5zO8P&ts=5670aceb&pref=2&pli=1](#)

WP7

Farmer-to-farmer Training: Western Kenya (Working Title)

Women and Agri-Business Enterprise: Turning Knowledge to Money (Working title)

Agriculture Market Information System: FIT Uganda

Using Information for Better Markets (AMIA) Uganda

Senegal Dairy Genetics Project: The role of extension farmer-to-farmer

Senegal Dairy Genetic Project: Student Innovation

Videos: [https://www.youtube.com/playlist?list=PL6tdgxKMo-opCwaKnnZlv6x8t6ieEfV8O](#)

Publications to be published in 2016

Laitinen E. Teaching and Learning in Bio-resource based Business Incubation. A forthcoming publication of African Agribusiness Incubation Network

Laitinen E., Tuomela V. Amazing Business Train – a fast track to business incubation. A forthcoming publication of African Agribusiness Incubation Network

Laitinen E, Kuria P. Technology-mediated Resilience Building for Livestock Farmers in ASALs. Forthcoming Conference Proceedings of FAO Conference on Resilience, Research and Innovation in Djibouti in October 2015