

## ORAL PROGRAMME

Sunday 3<sup>rd</sup> December 201707:30-08:30 **Registration** | *Ground Floor Foyer*08:30 **Symposia begin**

Rooms:	401 Pincushion	601 Daisy	602 Freesia	603 Orchid	408 Aloe	410 Arum
08:30-10:00	<p><b><u>SYM A:</u></b> Australia Africa Universities Network Meeting</p>	<p><b><u>SYM B:</u></b> Urban food systems and urban food security as levers for sustainable development and human well-being</p> <p><u>Chair</u> Dr Gareth Haysom <i>African Centre for Cities, University of Cape Town, South Africa</i></p> <p><u>Discussant</u> Dr Jane Battersby <i>African Centre for Cities, University of Cape Town, South Africa</i></p> <p><u>Speakers</u> A/Prof Alison Blay-Palmer <i>Geography and Environmental Studies and Director of Centre for Sustainable Food Systems, Wilfred Laurier University, Canada</i></p> <p>Dr Andrea Calori <i>EStà, Italy</i></p> <p>Mr Rene van Veenhuizen <i>RUAF Foundation, Netherlands</i></p> <p>Prof David Sanders <i>School of Public Health, University of the Western Cape, South Africa</i></p> <p>Dr Ana Moragues Faus <i>School of Geography and Planning,</i></p>	<p><b><u>SYM C:</u></b> Water: Sustainable and safe approaches to secure an essential agricultural resource</p> <p><u>Chair</u> Dr Manan Sharma <i>USDA ARS Environmental Microbial and Food Safety</i></p> <p><u>Discussant</u> A/Prof Shirley Micallef <i>Department of Plant Science and Landscape Architecture, University of Maryland, USA</i></p> <p><u>Speakers</u> Dr Erika du Plessis <i>Department of Plant and Soil Sciences, University of Pretoria, South Africa</i></p> <p>Prof Kali Kniel <i>Department of Animal and Food Sciences, University of Delaware, USA</i></p> <p>Dr Paul Hunter <i>Aqualens, EU Project</i></p> <p>Lizyben Chidamba, <i>University of Pretoria, South Africa</i></p>	<p><b><u>SYM D:</u></b> Value chain development of under-utilised horticultural crops as strategic means to generating local food and nutrition security</p> <p><u>Chair</u> Prof Wolfgang Bokelmann <i>Division Economics of Horticultural Production, Humboldt Universität zu Berlin, Germany</i></p> <p><u>Discussant</u> Prof Michael Krawinkel <i>Justus-Liebig-University Giessen Institute of Nutritional Sciences, Giessen, Germany</i></p> <p><u>Speakers</u> Dr Elizabeth Mitcham <i>Postharvest Technology Centre and Horticulture Innovation Lab, University of California Davis, USA</i></p> <p>Prof Willis Oluoch-Kosura, <i>Agricultural Economics, University of Nairobi, Kenya</i></p> <p>Dr Silke Stöber <i>Seminar Ländliche Entwicklung, Humboldt University</i></p> <p>Dr Susanne Huyskens-Keil <i>Faculty of Life Sciences, Humboldt</i></p>	<p><b><u>SYM E:</u></b> What strategies work for food and nutritional security and gender equality in agriculture research and development?</p> <p><u>Chair</u> Professor Alice Pell <i>Cornell University, USA</i></p> <p><u>Speakers</u> Dr Steve Cole <i>World Fish, Sierra Leone</i></p> <p>Dr Maureen Miruka <i>Agriculture and Market Systems, CARE, USA</i></p> <p>Dr Jemimah Njuki <i>International Development Research Centre (IDRC), Canada</i></p> <p>Dr Melody Mentz <i>Centre for the Advancement of Scholarship, University of Pretoria, South Africa</i></p> <p>Ms Sithembile Ndema <i>Mwamakamba, Food, Agriculture and Natural Resources Policy Analysis Network</i></p>	<p><b><u>SYM F:</u></b> Changing food systems and Nutrition: Do we have the concepts and data to understand, track, and anticipate the links?</p> <p><u>Chair</u> Dr David Tschirley <i>Department of Food, Agricultural, and Resource Economics, Michigan State University, USA</i></p> <p><u>Speakers</u> A/Prof Saweda Liverpool- Tasie <i>Department of Agricultural, Food and Resource Economics, Michigan State University, USA</i></p> <p>Prof Thomas Jayne <i>Department of Agricultural, Food and Resource Economics, Michigan State University, USA</i></p> <p>A/Prof Milu Muyanga <i>Department of Agricultural, Food and Resource Economics, Michigan State University, USA</i></p> <p>A/Prof Jessica Fanzo <i>Johns Hopkins University, USA</i></p> <p>A/Prof Jennifer Coates <i>Friedman School of Nutrition Science and Policy, Tufts University, USA</i></p>

		Cardiff University, UK		University  Mr Elisha Gogo PhD Student, Humboldt University and Egerton University Kenya  Prof Mary Abukutsa Deputy Vice Chancellor of Research, Production and Extension, Jomo Kenyatta University of Agriculture and Technology		Ms Anna Herforth Earth Institute, Columbia University, USA
10:00-10:15	Refreshment Break I Hall 8					
10:15-11:45	<b>SYM A:</b> Australia Africa Universities Network Meeting (Cont.)	<b>SYM B:</b> Urban food systems and urban food security as levers for sustainable development and human well-being (Cont.)	<b>SYM C:</b> Water: Sustainable and safe approaches to secure an essential agricultural resource (Cont.)	<b>SYM D:</b> Value chain development of under-utilised horticultural crops as strategic means to generating local food and nutrition security (Cont.)	<b>SYM E:</b> What strategies work for food and nutritional security and gender equality in agriculture research and development? (Cont.)	<b>SYM F:</b> Changing food systems and nutrition: Do we have the concepts and data to understand, track, and anticipate the links? (Cont.)
11:45-12:30	Lunch I Hall 8					
Rooms:	401 Pincushion	601 Daisy	602 Freesia	603 Orchid	408 Aloe	410 Arum
12:30-14:30	<b>SYM A:</b> Australia Africa Universities Network Meeting (Cont.)	<b>SYM G:</b> Small farms and their contribution to sustainable food and nutritional security: A transdisciplinary analysis of food systems in European and African regions <u>Chair</u> Prof Karlheinz W Knickel Universidade de Évora, Instituto de Ciências Agrárias e Ambientais Mediterrânicas (ICAAM), Portugal  <u>Discussant</u> Mr Moses Nganwani Tia Savannah Young Farmers Network (SavaNet), Ghana  Mr Quinton Naidoo AfriGrow	<b>SYM H:</b> Drought risk management and Index-insurance in drylands: bridging scientific research and implementation to bring food security impacts at scale <u>Chair</u> Dr Francesco Fava International Livestock Research Institute (ILRI), Kenya  <u>Discussant</u> Dr Jon Flatnes Department of Agricultural, Environmental, and Development Economics, Ohio State University, US  Dr Nathaniel Jensen International Livestock Research Institute (ILRI), Kenya	<b>SYM I:</b> Agro-biodiversity for dietary diversification with traditional African fruits and vegetables for improved health and nutrition <u>Chair</u> Prof Dharini Sivakumar DST/NRF SARChI Research Chair- Phytochemical Food Network to Improve Nutritional Quality for Consumers, Tshwane University of Technology, South Africa  <u>Discussant</u> Prof Judith Kimiywe School of Applied Human Sciences, Department of Food, Nutrition and Dietetics, CNS Kenyatta University, Kenya	<b>SYM J:</b> Science of scaling: connecting the pathways of agricultural research and development to improve rural livelihoods <u>Chair</u> Dr Marc Schut International Institute of Tropical Agriculture (IITA), Rwanda and Wageningen University, The Netherlands  <u>Discussants</u> Prof Ken Giller Plant Chair, Production Systems, Wageningen University, The Netherlands  <u>Speakers</u> Dr Graham Thiele RTB Director, International Potato Centre (CIP), Peru	<b>SYM K:</b> Food security, conflicts and peace- building <u>Chair</u> Dr Michael Hauser ICRISAT, Kenya  <u>Discussant</u> Prof Ashok Swain Department of Peace and Conflict Research, University of Uppsala, Sweden  <u>Speakers</u> Dr Kai Mausuch ICRISAT, Kenya  Dr Patrick Caron High Level Panel of Experts on Food Security and Nutrition (HLPE), Italy  Dr André van Rooyen, ICRISAT, Zimbabwe

		<p><i>NPC, South Africa</i></p> <p><u>Speakers</u>                  Dr María Rivera Méndez <i>Universidade de Évora, Instituto de Ciências Agrárias e Ambientais Mediterrânicas (ICAAM), Évora, Portugal</i></p> <p>Dr Mark Redman <i>Highclere Consulting S.R.L., Romania</i></p> <p>Dr Irianna Vlachopoulou <i>The James Hutton Institute (JHI), Aberdeen, UK</i></p> <p>Dr Richard W. Nartey Yeboah, <i>University for Development Studies (UDS), Ghana</i></p>	<p><u>Speakers</u>                  Prof Michael Carter <i>Agricultural and Resource Economics, University of California Davis, US</i></p> <p>Prof Anton Vrieling <i>Remote Sensing, University of Twente, Netherlands</i></p> <p>Dr Andrew Mude <i>International Livestock Research Institute (ILRI), Kenya</i></p> <p>Dr Felix Rembold <i>Joint Research Centre, EU Commission, Italy</i></p>	<p><u>Speakers</u>                  Prof Wim van Averbek, <i>Tshwane University of Technology, South Africa</i></p> <p>Prof Mieke Faber, <i>South African Medical Research Council, South Africa</i></p> <p>Dr. Suntu Laurie <i>Agricultural Research Council, South Africa</i></p>	<p>Dr Jan Low <i>World Food Prize Awardee, International Potato Centre (CIP), Nairobi</i></p> <p>Mr Adebowale Akande, <i>International Institute of Tropical Agriculture (IITA), Nigeria</i></p> <p>Dr Piet van Asten, <i>Olam International Ltd, Uganda</i></p> <p>Dr Elisabetta Gotor <i>Bioversity International, Italy</i></p> <p>Dr Godfrey Taulya <i>International Institute of Tropical Agriculture (IITA), Uganda</i></p>	<p>Dr A Heslin, <i>International Institute for Applied Systems Analysis, Austria</i></p>
14:30-15:00	<b>Refreshment Break I Hall 8</b>					
Rooms:	401 Pincushion	601 Daisy	602 Freesia	603 Orchid	408 Aloe	410 Arum
15:00-17:30	<p><b>SYM A:</b>                  Australia Africa Universities Network Meeting (Cont.)</p>	<p><b>SYM L:</b>                  Sustainable agricultural intensification: How to make it happen in Africa</p> <p><u>Chair</u>                  Dr Cheryl Palm <i>University of Florida, USA</i></p> <p>Dr Thom Jayne <i>Michigan State University, USA</i></p> <p><u>Discussant</u>                  Dr Zacharia Zida <i>AGRA, Ghana</i></p> <p><u>Speakers</u>                  Dr Rebbie Harawa <i>AGRA, Kenya</i></p>		<p><b>SYM N:</b>                  Foresight for decision-making on food security in Africa</p> <p><u>Chair</u>                  Dr Etienne Hainzelin, <i>CIRAD, France</i></p> <p><u>Discussant:</u>                  Dr Patrick Caron <i>High Level Panel of Experts on Food Security and Nutrition (HLPE), Italy</i></p> <p><u>Speakers</u>                  Mr Lucas Rutting <i>Climate Change, Agriculture and Food Security, CGIAR</i></p>	<p><b>SYM O:</b>                  Innovative methods for co-producing change in the Western Cape: Making food security policy making more inclusive</p> <p><u>Chair</u>                  Mr Tristan Görgens <i>Policy and Strategy Unit in the Department of the Premier, Western Cape Government, South Africa</i></p> <p><u>Discussant</u>                  Dr Scott Drimie <i>Southern University, South Africa</i></p> <p>Dr Laura Pereira <i>Centre for Complex Systems in Transition (CST),</i></p>	<p><b>SYM P:</b>                  Social and cultural life of food</p> <p><u>Chair</u>                  Prof Vasu Reddy <i>University of Pretoria, South Africa</i></p> <p><u>Discussant</u>                  Prof Gabeba Baderoon, <i>Penn State University, USA</i></p> <p><u>Speakers</u>                  Prof Relebohile Moletsane, <i>University of KwaZulu-Natal, South Africa</i></p> <p>Prof Jonathan Bishop <i>Highfield Rhode Island School of Design, USA</i></p>

		<p>Dr Jessica Fanzo Johns <i>Hopkins University, USA</i></p> <p>Dr Robert J. Scholes <i>Witswatersrand University, South Africa</i></p> <p>Dr Hambulo Ngoma Indaba <i>Agricultural Policy Research Institute, Zambia</i></p> <p>Dr Ken Giller Wageningen <i>University, The Netherlands</i></p>		<p>Ms Karlijn Muiderman <i>Climate Change, Agriculture and Food Security, CGIAR</i></p> <p>Mr Rachid Serraj <i>Independent Science &amp; Partnership Council, CGIAR, Italy</i></p> <p>Dr Bruno Losch, <i>CIRAD and GOVINN, South Africa</i></p>	<p><i>Stellenbosch University, South Africa</i></p> <p><u>Speakers</u></p> <p>Dr Lisanne du Plessis <i>Human Nutrition at Stellenbosch University, South Africa</i></p> <p>Prof Ralph Hamann <i>UCT Graduate School of Business, South Africa</i></p> <p>Ms Zayaan Khan <i>Slow Food Youth Network and University of Cape Town, South Africa</i></p>	
17:30	Symposia Conclude					
17:30	<p><b>Welcome Reception for Symposia and Conference Delegates I Hall 8</b> <i>Sponsored by the Agricultural Research Council, South Africa, and Department of Agriculture, Forestry and Fisheries, South Africa</i> <b>Dr Shadrack Moephuli</b>, CEO, Agricultural Research Council, South Africa <b>HE Minister Senzeni Zokwana</b>, Minister of Agriculture, Forestry and Fisheries, South Africa</p>					

Monday 4<sup>th</sup> December 2017

	<i>Room: Hall 9</i>
08:30-09:20	<p><b>Welcome and Introduction</b> <b>Session chair: Professor Lise Korsten</b>, Conference Chair, Co-director, Centre of Excellence in Food Security, University of Pretoria, South Africa</p> <p><u>Welcome Messages:</u> <b>Professor Cheryl de la Rey</b>, Vice Chancellor and Principal, University of Pretoria and Chairperson of the National Advisory Council on Innovation, South Africa</p> <p><b>Professor Julian May</b>, Director, Centre of Excellence in Food Security, University of the Western Cape, South Africa</p> <p><b>Ms Sandra Broerse</b>, Publisher, journals <i>Climate &amp; Sustainability</i>, Elsevier, The Netherlands</p> <p><u>Opening Address:</u> <b>HE Minister Naledi Pandor</b>, Minister of Science and Technology, South Africa</p>
<b>Room:</b>	<b>Hall 9</b>
09:20-10:00	<p><b>Keynote Session-1</b> <b>Investing in potential: Africa's people and land feeding the world</b></p>

	[K01] Professor Adipala Ekwamu, <i>Regional Universities Forum for Capacity Building in Agriculture (RUFORUM), Uganda</i> Session chair: Professor Voster Muchenje, <i>Co-SARChI Chairholder: Meat Science; and Research Chair: Food Security, University of Fort Hare, South Africa</i>							
10:00-11:00	<b>Keynote Session-2</b> <b>The future of farming: Who will produce our food?</b> [K02] Professor Ken Giller, <i>Wageningen Centre for Agroecology and Systems Analysis, The Netherlands</i> Session chair: Professor Joyce Chitja, <i>University of KwaZulu-Natal, South Africa</i>							
11:00-11:30	Refreshment Break I Hall 8							
11:30-13:00	<b>Thematic Focus Parallel Sessions- Food Creation</b>							
	<b>Theme: Food Creation</b> <b>4.1.1 Hot Topic: Food System Resilience</b> Room: Hall 9	<b>Theme: Food Creation</b> <b>4.2.1 Food Security and Sustainable Agriculture Collaborations</b> Room 601 Daisy	<b>Theme: Food Creation</b> <b>4.3.1 Climate Change Modelling and Food Security/Mitigation of Climate Change Impacts</b> Room 602 Freesia	<b>Theme: Food Creation</b> <b>4.4.1 Improving Agricultural Resilience</b> Room 603 Orchid	<b>Theme: Food Creation</b> <b>4.5.1 Diversity and demographics in food security/ Sustainable Agricultural Production</b> Room 713 Watsonia	<b>Theme: Food Safety</b> <b>4.6.1 One Health</b> Room 714 Bluebell	<b>Theme: Food Losses and Waste</b> <b>At home losses/Consumer Challenges</b> <b>4.7.1</b> Room 421 Nerina	<b>Theme: Food in a Changing Society</b> <b>Critical Perspectives on Gender in Food Security 4.8.1</b> Room 422 Protea
11:30-13:00	Session moderator: Professor John Ingram, <i>University of Oxford, UK</i>	Session moderator: Professor Kennedy Dzama, <i>Stellenbosch University, South Africa</i>	Session moderator: Professor Hany El-Shemy, <i>Cairo University</i>	Session moderator: Dr Ashwil Klein, <i>University of the Western Cape</i>	Session moderator: Professor Marshall Keyster, <i>University of the Western Cape</i>	Session chair: Dr Ishmael F Jaja, <i>University of Fort Hare</i>	Session moderator: Professor Hettie Schönfeld, <i>University of Pretoria</i>	Session moderator: Dr Siboniso Moyo, <i>CGIAR</i>
11:30-11:45	<b>4.1.1.1 An integrated framework for studying food systems resilience: The case of the UK and soy</b> T. Heron*, B. Doherty, C. West*, P. Prado, S. Croft, <i>University of York, UK</i>	<b>4.2.1.1 Can organic farming feed the world? - Results of comparative long-term trials in the southern Cape</b> Professor Raymond Auerbach Nelson <i>Mandela University, South Africa</i>	<b>4.3.1.1 Impact of changing socio-economic and climate on grain legumes production, price and trade: Implications on food and nutritional security in developing countries</b> S. Nedumaran*, P. Jyosthnaa, <i>International Crops Research Institute for the Semi-Arid Tropics, India</i>	<b>4.4.1.1 The genetic and economic impact of the South African Agricultural Research Council's wheat breeding program: 1998-2015</b> M. Coale (1), L. Nalley (1)*, P. Chaminuka (2), E. Dube (3), <i>University of Arkansas, USA (1), Agricultural Research Council, South Africa (2), Soil&amp;Fert Pty Ltd, South Africa (3)</i>	<b>4.5.1.1 Bringing food availability to scale: Mapping livelihood strategies for household food availability across Uganda</b> J. Wichern (1), M.T. van Wijk (2)*, J. van Heerwaarden (1), S. de Bruin (1), K. Descheemaeker (1), P.J.A. van Asten (3,4), K.E. Giller (1), <i>Wageningen University &amp; Research, The Netherlands (1), International Livestock Research Institute, Kenya (2), International Institute of Tropical</i>	<b>4.6.1.1 Antifungal, antioxidant activity and genotoxicity of leaf extracts, fractions and isolated compounds from <i>ptaeroxylon obliquum</i></b> T.E. Ramadwa*, B. Madikizela, B. Nyoka, J.N. Eloff, <i>University of Pretoria, South Africa</i>	<b>4.7.1.1 Understanding interactions between food waste and healthy eating with practice theories</b> M. Dyen (1), L. Sirieix (1)*, S. Costa (2), <i>Montpellier SupAgro, France (1), INRA, France (2)</i>	<b>4.8.1.1 Agricultural technology adoption in Zambia: Are women farmers being left behind?</b> T. Namonje-Kapembwa*, A. Chapoto, <i>Indaba Agricultural Policy Research Institute, Zambia</i>

					<i>Agriculture, Uganda (3), Olam International Ltd, Uganda (4)</i>			
11:45-12:00	<b>4.1.1.2 Modelling resilience of the global food system to shocks and trends</b> R. Henry (1)*, P. Alexander (1,2), P. Anthoni (3), A. Arneth (3), D. Moran (2,4), T. Pugh (3,5), S. Rabin (3), M. Rounsevell (1,3), <i>University of Edinburgh, UK (1), Scotland's Rural College, UK (2), Karlsruhe Institute of Technology, Germany (3), University of York, UK (4), University of Birmingham, UK (5)</i>	<b>4.2.1.2 Livestock production in a changing food system</b> Professor Kennedy Dzama, <i>Stellenbosch University, South Africa</i>	<b>4.3.1.2 Why crop modelling is needed to enhance food security by tropical smallholder systems</b> R.P. Roetter*, M.P. Hoffmann, <i>Georg-August-University of Goettingen, Germany</i>	<b>4.4.1.2 Climate information, crop modeling and impacts on global food security</b> V.R. Reddy*, <i>United States Department of Agriculture, USA</i>	<b>4.5.1.2 Scenarios of land use/cover changes in Cerrado under intensified sustainable land systems and food security policies</b> L.S. Soler*, J. Pompeu, G. Arcoverde, E. Albiachi, J. Ometto, <i>Brazilian National Institute for Space Research, São José dos Campos, Brazil</i>	<b>4.6.1.2 A mixed method approach to studying the public health risks associated with extended human-chicken interaction in rural Tanzania</b> E. Rukambile (1)*, V. Sintchenko (5), G. Muscatello (1), W. Maulaga (4), R. Alders (1), <i>The University of Sydney, Australia (1), Tanzania Veterinary Laboratory Agency, Tanzania (2), The Kyeema Foundation, Austria (4)</i>	<b>4.7.1.2 Food waste and sustainability in cities - Volume and environmental impact of food waste in Melbourne, Australia.</b> S. Candy*, <i>University of Melbourne, Australia</i>	<b>4.8.1.2 New dimensions of multidimensional poverty and its relation to production shocks among indigenous vegetable producers in Kenya</b> S. Kebede*, <i>Humboldt University of Berlin, Germany</i>
12:00-12:15	<b>4.1.1.3 Water related risks in a fresh fruit and vegetable system</b> T.M. Hess*, C. Sutcliffe, <i>Cranfield University, UK</i>	<b>4.2.1.3 Exploring legume crop genetic diversity for improved climate change resilience</b> Ndiko Ludidi, <i>University of the Western Cape, South Africa</i>	<b>4.3.1.3 Projected climate change impacts on the stability of agricultural production in sub-Saharan Africa</b> B. Stuch (1)*, J. Alcamo (1,2), R. Schaldach (1), <i>University of Kassel, Germany (1), University of Sussex, UK (2)</i>	<b>4.4.1.3 Reducing the carbon footprint of livestock production in the Mediterranean region of southern Australia</b> D. Gale*, W. Biswas, D. Pritchard, <i>Curtin University, Australia</i>	<b>4.5.1.3 Improving sorghum yield and yield stability by matching sorghum hybrids and agronomy to site and seasonal conditions</b> S.J. Clarke (1), J.L. McLean (1), B. George-Jaeggli (1,2), J.X. Eyre (1), D. Rodriguez (1)*, <i>The University of Queensland, Australia (1), Hermitage Research Facility, Australia (2)</i>	<b>4.6.1.3 Preliminary assessment of microbiological and compositional quality of ready -to-drink milk products in Kandy, Sri Lanka</b> P.P. Jayasekara (1), J.C. Hapugoda (2), K. Kuruppu (1), A.M.H. Abeykoon (1), R.S. Kalupahana (1)*, A.S. Fletcher (3), <i>University of Peradeniya, Sri Lanka (1), The Open University of Sri Lanka, Sri Lanka (2), Royal Veterinary College, na, UK (3)</i>	<b>4.7.1.3 Food wastage in Uganda: How much food is wasted, causes and impacts on food security in selected urban areas.</b> E. Serwajja*, <i>Makerere University, Uganda</i>	<b>4.8.1.3 Creating a bigger role for women in agriculture: Women's self-help groups, agricultural practices, and crop production diversity in India</b> K. Raghunathan*, S. Kannan, N. Kumar, P. Menon, A. Quisumbing, <i>International Food Policy Research Institute, USA</i>
12:15-12:30	<b>4.1.1.4 Individual differences in stress</b>	<b>4.2.1.4 Insects for feed and food: The future of</b>	<b>4.3.1.4 The impact of climate change on the</b>	<b>4.4.1.4 The effects of climate oscillations on</b>	<b>4.5.1.4 Delivering food security without</b>	<b>4.6.1.4 Microbial biogeography of leafy</b>	<b>4.7.1.4 Consumers concern about food</b>	<b>4.8.1.4 Using public food procurement as a policy</b>

	<p><b>responses and their scalar impacts on higher level productivity in livestock systems</b></p> <p>L.M. Collins (1)*, M. Friel (1), H.E. Gray (1), L. Zhang (2), X. Ye (2), N. Allinson (2), <i>University of Leeds, UK (1), University of Lincoln, UK (2)</i></p>	<p><b>Food security</b></p> <p>Elsje Pieterse <i>Stellenbosch University, South Africa</i></p>	<p><b>global food supply chain</b></p> <p>A.E.J. McGill*, <i>Future For Food, Australia</i></p>	<p><b>simulated and reported crop production: A global study</b></p> <p>M.K.H. Heino*, M.S. Kumm, <i>Aalto University, Finland</i></p>	<p><b>increasing pressure on the environment: Reports from the field on improving agricultural productivity &amp; food security in the lower Mekong river basin in the context of climate change and ASEAN food security</b></p> <p>A. Mishra (1)*, N.T. Uphoff (2), S. Lokhande (1), B. Bhari (1), <i>Asian Institute of Technology, Thailand (1), Cornell University, USA (2)</i></p>	<p><b>vegetables in a farm to fork perspective</b></p> <p>A.K. Rosberg*, C. Olsson, B.W. Alsanus, J. Lindén, L. Mogren, <i>Swedish University of Agricultural Sciences, Sweden</i></p>	<p><b>waste, and attitudes towards doggy bags in restaurants</b></p> <p>L. Sirieix*, <i>Montpellier SupAgro, France</i></p>	<p><b>instrument to promote gender equality and support rural women access to formal markets</b></p> <p>L. Swensson*, <i>FAO, Italy</i></p>
12:30-12:45				<p><b>4.4.1.5 Approaches to crop improvement using lima bean, a non-model crop</b></p> <p>T.T. Mhora (1)*, E. Ernest (1,2), C. Scanlan (1), D. Lester (1), S. Polson (1), N.F. Gregory (1), T.A. Evans (1), N.M. Donofrio (1), <i>University of Delaware, USA (1), University of Delaware Research and Education Center, USA (2)</i></p>	<p><b>4.5.1.5 Future energy, food, and water trade-offs in the Zambezi river basin: A model analysis</b></p> <p>A. Palazzo*, M. Van Dijk, P. Havlik, <i>International Institute for Applied Systems Analysis, Austria</i></p>	<p><b>4.6.1.5 Reducing microbial load in fresh cheese by activation of the Lactoperoxidase system in raw milk</b></p> <p>L.F. Lins (1)*, A.C.M. Nunes (1), M.G.F.M. Siqueira (1), T.G.P. Silva (1), M.P.B. Ferreira (1), A.M.V. Batista (1), J.E. Paiva (1), P.P. Ceballos (2), S.B.P. Barbosa (1), <i>Federal Rural University of Pernambuco, Brazil (1), National Center for Agricultural Health, Cuba (2)</i></p>	<p><b>4.7.1.5 Food waste reduction – lessons from the Denmark</b></p> <p>U.S. Brandt*, D.A. Ahsan, <i>University of Southern Denmark, Denmark</i></p>	
12:45-13:00				<p><b>4.4.1.6 Overexpression of a nodule-specific phytocystatin leads to enhanced plant growth and performance in transgenic soybean plants</b></p>	<p><b>4.5.1.6 Potentials of multi-cropping system adaptation in recovering groundwater and maintaining high grain production in the North</b></p>	<p><b>4.6.1.6 Is organic food the missing link towards making the food producing sector sustainable?</b></p> <p>D.A. Ahsan*, U.S. Brandt, <i>University of</i></p>		

				M.E. Makgopa*, M.C. Hlokwe, <i>University of Pretoria, South Africa</i>	<b>China Plain</b> H. Zhong (1)*, L. Sun (1,2), S. Lee (2), G. Fischer (2), Z. Tian (4), H. Velthuizen (2), Z. Liang (5), <i>University of Maryland, USA (1), International Institute for Applied System Analysis, Austria (2), University of London, UK (3), Shanghai Climate Center, China (4), Meteorological Service Center of Zhejiang Province, China (5)</i>	<i>Southern Denmark, Denmark</i>		
13:00-14:00								
14:00-15:30	<b>Thematic Parallel Sessions- Food Safety and Bio-security</b>							
	<b>4.1.2 HOT TOPIC: Food Safety</b> <i>Room: Hall 9</i>	<b>4.2.2 Theme: Food Safety and Bio-security Food Safety 1</b> <i>Room 601 Daisy</i>	<b>4.3.2 Theme: Food Safety and Bio-security Food Safety 2</b> <i>Room 602 Freesia</i>	<b>4.4.2 Theme: Food Safety and Bio-security Bio-security</b> <i>Room 603 Orchid</i>	<b>4.5.2 Theme: Food Safety and Bio-security Potable Water/Food Safety 3</b> <i>Room 713 Watsonia</i>	<b>4.6.2 Food Safety and Bio-security Soil and Plant</b> <i>Room 714 Bluebell</i>		
	Session moderator: Dr Kofitsyo Cudjoe, <i>Norwegian Veterinary Institute, Norway</i>	Session moderator: Dr Cletos Mapiye, <i>Stellenbosch University</i>	Session moderator: Dr Felicitas E Mukumbo, <i>University of Fort Hare</i>	Session moderator: Professor Elna Buys, <i>University of Pretoria</i>	Session moderator: Professor Kennedy Dzama, <i>Stellenbosch University, South Africa</i>	Session moderator: Professor Lise Korsten, <i>University of Pretoria</i>		
14:00-14:15	<b>4.1.2.1 How safe is my food? (TBC)</b> Michelle Danyluk <i>Food Science and Nutrition, University of Florida</i>	<b>4.2.2.1 Exploring a rights approach to access to safe food in South Africa</b> O.F. Adeniyi*, E. Durojaye, <i>University of the Western Cape, South Africa</i>	<b>4.3.2.1 Arsenic in rice agro systems: The case of São Paulo, Brazil</b> L.C.Z. Jimenez (1)*, T.O. Ferreira (1), X.L. Otero (2), <i>Universidade de São Paulo, Brazil (1), Universidade de Santiago de Compostela, Brazil (2)</i>	<b>4.4.2.1 Residue trial of Fluopyram and Trifloxystrobin in longan to establish Maximum Residue Limit (MRL)</b> P. Pongpinyo*, P. Wichannananon, P. Meanha, <i>Department of Agriculture, Thailand</i>	<b>4.5.2.1 Influence of nitrogen application on minerals antioxidants and nitrate accumulation in leafy lettuce varieties grown in closed hydroponic system for fresh cuts</b> B.M. Mampholo (1)*, M.M. Maboko (1,2), P. Sounday (1), D.	<b>4.6.2.1 Microbiome of field grown leafy vegetables</b> J. Lindén (1)*, L. Mogren (1), A-K. Rosberg (1), M. Grudén (1), A. Minet (1), C. Line (1), M. Mieli (1), T. Bengtsson (1), S. Ahrné (2), A. Håkansson (2), E. Uhlig (2), C. Olsson (1),		



					Sivakumar (1), <i>Tshwane University Of Technology, South Africa (1), Agricultural Research Council, South Africa (2)</i>	B.W. Alsanius (1), <i>Swedish University of Agricultural Sciences, Sweden (1), LTH Lund University, Sweden (2)</i>		
14:15-14:30	<b>4.1.2.2 Plant and food biosecurity: A European perspective</b> Lodovica Gullino <i>Università degli Studi di Torino, Italy</i>	<b>4.2.2.2 Quantitative assessment of polycyclic aromatic hydrocarbons (PAHs) in urban community gardens of Sao Paulo, Brazil</b> L.F. Amato-Lourenco (1,3)*, P.H.N. Saldiva (1), M. Saiki (2), T. Mauad (1,3), <i>Faculty of Medicine of University of Sao Paulo, Brazil (1), Nuclear and Energy Research Institute - IPEN-CNEN/SP, Brazil (2), University of Sao Paulo, Brazil (3)</i>	<b>4.3.2.2 Eat green - eat safe: On food safety issues in primary production of leafy vegetables in rural and urban areas</b> B. Alsanius (1)*, C. Onyango (2), J. Afenu (3), A.K. Rosberg (1), M.E. Karlsson (1), J. Lindén (1), E. Mulaosmanovic (1), M. Grudén (1), R. Hartmann (1), I. Vågsholm (4), <i>Swedish University of Agricultural Sciences, Sweden (1), University of Nairobi, Kenya (2), University of Ghana, Ghana (3), Swedish University of Agricultural Sciences, Sweden (4), Lund University, Sweden (5)</i>	<b>4.4.2.2 The potential, perceptions and policy issues of genetically modified crops adoption in Africa: A case study of Kenya</b> Z. Kosgey*, C. Kimani, <i>University of Minnesota, USA</i>	<b>4.5.2.2 Use of grape varieties high-resistant to the main vine diseases for increasing the sustainability and food security in wine production</b> R. Flamini*, M. Gardiman, <i>CREA - Viticulture &amp; Oenology, Italy</i>	<b>4.6.2.2 Symbiotic N-fixation, C-accumulation and water use efficiency of four dry bean genotypes established in Swaziland</b> P. Olaniyan*, F. Dakora, T. Maseko, <i>Tshwane University of Technology, South Africa</i>		
14:30-14:45	<b>4.1.2.3 Root health and soil pest</b> Professor Richard Sikora, <i>Institut für Pflanzenkrankheiten, Germany</i>	<b>4.2.2.3 Effect of different soil amendments on growth performance and toxicity of Cu and Zn</b> O.E. Aina*, J.O. Olowoyo, S.O. Amoo, <i>Sefako Makgatho Health Sciences</i>	<b>4.3.2.3 Mycotoxin occurrence in red meat</b> M.M. Van Deventer, H.C. Schönfeldt, B. Pretorius*, <i>University of Pretoria, South Africa</i>	<b>4.4.2.3 Local leaders as knowledge builders of the food security in Chitima, Mozambique</b> D. Rodríguez (1), M. Sepúlveda (2), M. Hargreaves (1)*, J.L. Riveros (1), <i>Pontificia Universidad Católica de Chile, Chile (1),</i>	<b>4.5.2.3 Trust, certification organizations, and consumers' willingness to pay for certified safe vegetables in Cameroon</b> C. Seeger*, W. Löwenstein, <i>Ruhr-University Bochum,</i>	<b>4.6.2.3 Influence of farming practices on the genetic diversity of <i>Cercospora zeina</i>, an important maize pathogen in South Africa</b> D.L. Nsibo*, N.T. Kunene, I. Barnes, D.K. Berger, <i>University of</i>		

		<i>University, South Africa</i>		<i>Universidad de Chile, Chile (2)</i>	<i>Germany</i>	<i>Pretoria, South Africa</i>		
14:45-15:00	<b>4.1.2.4 Importance of robust crop genetics for food security – case study of maize disease resistance</b> Dave Berger <i>University of Pretoria, South Africa</i>	<b>4.2.2.4 Prevailing food safety culture as a key contributory factor in food safety performance: A comparative study in three Zimbabwean dairy processing organisations</b> S.P. Nyarugwe (1), A. Linnemann (1), L.K. Nyanga (2), V. Fogliano (1), P.A. Luning (1), L. James (1)*, <i>Wageningen University and Research, The Netherlands (1), University of Zimbabwe, Zimbabwe (2)</i>	<b>4.3.2.4 Live cell imaging of pathogenic fungi reveals novel fungicide mode of action</b> G. Steinberg*, <i>University of Exeter, UK</i>	<b>4.4.2.4 Diverse Pathotypes of <i>Escherichia Coli</i> O157 and non-O157 <i>E. coli</i> associated with contamination of cattle slaughtered in some rural abattoirs of South Africa</b> E. Madoroba, N. Matloa, M. Mnisi, A.K. Gelaw*, <i>Agricultural Research Council-Onderstepoort Veterinary Research, South Africa</i>	<b>4.5.2.4 Microscopic green technology is effective in reducing chromium toxicity in plants</b> H. Fatima*, A. Ahmed, <i>University of the Punjab, Pakistan</i>	<b>4.6.2.4 Symbiotic performance and water use efficiency of fifteen common bean genotypes planted in Swaziland</b> A.M. Buthane*, S.T. Maseko, F.D. Dakora, <i>Tshwane University of Technology, South Africa</i>		
15:00-15:15		<b>4.2.2.5 Mycotoxin contamination in Maize: A threat to food security in rural communities of South Africa</b> B.P. Kubheka*, M.A.T. Poswal, N.L. Skenjana, <i>Dohne Agricultural Development Institute, South Africa</i>	<b>4.3.2.5 Antimicrobial resistance determinants of <i>Escherichia coli</i></b> I.F. Jaja*, <i>University of Fort Hare, South Africa</i>	<b>4.4.2.5 Food safety, bio security and insect pest control in rural areas of the Eastern Cape Province, South Africa</b> N.L. Skenjana*, M.A.T. Poswal, <i>Dohne Agricultural Development Institute, South Africa</i>	<b>4.5.2.5 Evaluation of some plant extracts on Mycelial growth and sporulation density of Fungal Pathogens of groundnut (<i>Arachis hypogaea</i> L.) In-Vitro</b> P.M. Ngegba (1)*, O.A. Enikuomehin (2), C.G. Afolabi (2), A.A. Akintokun (2), A.O. Egbontan (2), S.M. Kanneh (1), A.E. Samura (1), <i>Sierra Leone Agricultural Research Institute, Sierra Leone (1), Federal University of Agriculture Abeokuta, Nigeria (2)</i>	<b>4.6.2.5 Visualization and quantification of wounds as ports for intrusion of microbial food safety hazards in leafy vegetables</b> E. Mulaosmanovic*, T. Lindblom, L. Mogren, S. Marttila, M. Bengtsson, V. Ninkovic, B.W. Alsanius, <i>Swedish University of Agricultural Sciences (SLU), Sweden</i>		
15:15-15:30		<b>4.2.2.6 Food</b>			<b>4.5.2.6 Impact of sand</b>			

		<p><b>authenticity: Preliminary tests on the use of metabarcoding technology to uncover mislabelling</b></p> <p>C. Pietroni (1,2)*, C.J. Barnes (1), T.G. Frøslev (1), S. Mak (1), L. Rasmussen (1), J. May (2), M.E. D'Amato (2), A.J. Hansen (1), <i>University of Copenhagen, Denmark (1), University of the Western Cape, South Africa (2)</i></p>			<p><b>dams on water availability in rural communities</b></p> <p>J. Eisma (1)*, V. Merwade (1), K. Njau (2), <i>Purdue University, USA (1), Nelson Mandela African Institution of Science and Technology, Tanzania (2)</i></p>				
15:30-15:45	<b>Refreshment Break I   Hall 8</b>								
15:45-17:05	<p><b>Plenary Session- Plant Health for Food Security I   Hall 9</b></p> <p><b>Session chair: Professor Lise Korsten, Co-director, Centre of Excellence in Food Security, University of Pretoria, South Africa</b></p>								
15:50-16:05	<p><b>[PL01] A new paradigm to securitise food from plant health disruptions</b></p> <p>Professor Paul Teng, <i>Nanyang Technological University, Singapore</i></p>								
16:05-16:20	<p><b>[PL02] Historical and Current Plant Disease Epidemics and their Impact on Food Security</b></p> <p>Professor Clayton Hollier, <i>Louisiana State University Agricultural Center, USA</i></p>								
16:20-16:35	<p><b>[PL03] Global movement of pests and pathogens: threats and challenges to food security and ecosystem health</b></p> <p>Professor Sarah Gurr, <i>University of Exeter, UK</i></p>								
16:35-16:50	<p><b>[PL04] Unseen fungal pathogens threaten biosecurity and trade</b></p> <p>Professor Pedro Crous, <i>The Westerdijk Fungal Biodiversity Institute, The Netherlands</i></p>								
17:15-18:45	<p><b>Poster Viewing Session-1 I   Hall 8</b></p> <p>Time allocated for conference participants to network and to engage with the poster presentations. <i>Refreshments served</i></p>				<p><b>17:30-19:00- World café on the Missing Middle in SDG 2   Room 422 Protea</b></p> <p>Please join us in a World Café on Sustainable Development Goal 2 (SDG 2) to discuss the “Missing Middle”. This Missing Middle consists of two axes: the global-local axis and the production-consumption axis. A lack of coordination within and between these axes can greatly hinder progress on SDG 2. In this World Café, we would like to learn of your encounters with this Missing Middle and discuss ideas to bridge it. <i>This side event is hosted by UN Sustainable Development Solutions Network (UN SDSN) – Thematic Network 7 on Sustainable Agriculture and Food Systems, led by Wageningen University. Refreshments served</i></p>				

Tuesday 5 <sup>th</sup> December 2017								
<b>Room:</b>	<b>Hall 9</b>							
08:30-09:30	<b>Though Leaders Debate I Hall 9</b> <b>World Food Prize Laureates will present their work, followed by a moderated discussion</b> <b>Session chair: Dr Molapo Qhobela, CEO, National Research Foundation, South Africa</b> <b>Ambassador Kenneth Quinn, Patron of World Food Prize</b> <b>Dr Jan Low, World Food Prize Laureate, Researcher, International Potato Center, USA</b> <b>Dr Robert Mwanga, World Food Prize Laureate, Researcher, International Potato Center, Uganda</b>							
09:30-11:00	<b>Plenary Session- Food Losses and Waste in the Context of Sustainable Food Systems I Hall 9</b> <b>Session chair: Professor Leon Terry, Director of Environment and Agrifood, Cranfield Soil and Agrifood Institute, Cranfield University, UK</b>							
09:35-09:50	<b>[PL05] Pre-harvest losses</b> Professor Serge Savary, <i>Research Director, INRA, France</i>							
09:50-10:05	<b>[PL06] Digital platforms to harness more food for foodbanks in South Africa</b> Mr Andy du Plessis, <i>Managing Director, Food Forward SA, South Africa</i>							
10:05-11:20	<b>[PL07] Food waste in South Africa</b> Dr Suzan Oelofse, <i>Principal Researcher, Waste for Development, CSIR, South Africa</i>							
11:00-11:30	<b>Refreshment Break I Hall 8</b>							
11:30-13:00	<b>Thematic Parallel Sessions- Food Losses and Waste</b>							
	<b>5.1.1 Theme: Food Losses and Waste</b> <b>Hot Topic: Leadership for Innovation</b> <i>Room: Hall 9</i>	<b>5.2.1 Theme: Food Losses and Waste</b> <b>At- or Post-harvest Losses</b> <i>Room 601 Daisy</i>	<b>5.3.1 Theme: Food Losses and Waste</b> <b>At Retail or Supply Chain Losses</b> Session moderator: <i>Room 602 Freesia</i>	<b>5.4.1 Theme: Food Losses and Waste</b> <b>Global Losses and Pre-harvest Losses/Socio-Economic Impact</b> <i>Room 603 Orchid</i>	<b>5.5.1 Theme: Food in a Changing Society</b> <b>Market Access</b> <i>Room 713 Watsonia</i>	<b>5.6.1 Theme: Food Utilisation</b> <b>Exploring Foodways</b> <i>Room 714 Bluebell</i>	<b>5.7.1 Theme: Food in a Changing Society</b> <b>Resilience and Food Systems</b> <i>Room 421 Nerina</i>	
	Session moderator: Professor Dr Alice Pell, <i>Cornell University, USA</i>	Session moderator: Professor Leon Terry, <i>Cranfield University, UK</i>	Dr Gerrie du Rand, <i>University of Pretoria, South Africa</i>	Session moderator: Dr Thomas Evans, <i>University of Delaware, USA</i>	Session moderator: Professor Joyce Chitja, <i>University of KwaZulu-Natal, South Africa</i>	Session moderator: Professor Jane Battersby, <i>University of Cape Town, South Africa</i>	Session moderator: Dr Richard Strange, <i>University College London, UK</i>	
11:30-11:45	<b>5.1.1.1 Effective, sustainable leadership for agricultural innovation and food security</b> Dr Shadrack Moephuli <i>CEO, ARC, South Africa</i>	<b>5.2.1.1 Qualitative discussion about reducing grain postharvest loss with logistical platforms in Ghana, West Africa</b> W.T. Lanier*, W. Salifu, <i>NeverIdle Farms, Ghana</i>	<b>5.3.1.1 The nutrition in the bin: Valuing food waste differently</b> K. Cooper (1)*, T. Qusted (1,2), H. Lanctuit (1), D. Zimmermann (1), N. Espinoza-Orias (1), A. Roulin (1), Nestlé, <i>Switzerland (1), WRAP,</i>	<b>5.4.1.1 Post slaughter loss of meat and offal's in South Africa</b> I.F. Jaja*, V. Muchenje, E. Green, B. Mushonga, <i>University Of Fort Hare, South Africa</i>	<b>5.5.1.1 The role of imported food, market access and income diversification on dietary diversity in rural and urban Bhutan</b> T.K. Loos (1)*, A. Feuerbacher (1), <i>University of Hohenheim, Germany</i>	<b>5.6.1.1 Self-sufficiency and nutrition security: Trends in energy, macronutrient and micronutrient supplies from imports and domestic production in the UK</b> J.I. Macdiarmid (1)*, H. Clark (1), S. Whybrow	<b>5.7.1.1 Boserupian transformation of food systems of cocoa farmers; The centre-west of Côte d'Ivoire-1950-2017</b> F.O. Ruf*, <i>CIRAD, France</i>	

			UK (2)		(1), Humboldt University zu Berlin, Germany (2)	(1), H. De Ruiter (1,2), G. McNeill (1), University of Aberdeen, UK (1), The James Hutton Institute, UK (2)		
11:45-12:00	<b>5.2.1.1 Agricultural governance overview</b> Dr Lucky Mathebula <i>Executive Trustee, Thinc Foundation, South Africa</i>	<b>5.2.1.2 Save the grain: Feasibility of long-term bulk storage of paddy under Indian conditions and 3-D computational modeling of heat distribution patterns - a food security perspective</b> J.A. Moses*, C. Anandharamramakrishnan, <i>Indian Institute of Food Processing Technology, India</i>	<b>5.3.1.2 Food losses in Brazilian supply chains</b> J.R. Maiellaro (1,2)*, J.G.M. Reis (1,2), A. Formigoni (1,2), H. Raymundo (1), E.R. Abraham (1), <i>Paulista University, Brazil (1), Fatec Zona Leste, Brazil (2)</i>	<b>5.4.1.2 Using georeferenced farmer estimates to model crop loss - storage insects in Zambia</b> H. De Groote (1)*, Z. Gitonga (1,2), <i>CIMMYT, Kenya (1), University of Cape Town, South Africa (2)</i>	<b>5.5.1.2 Do hazelnuts compromise food self-sufficiency in Bhutan? The economy-wide impacts of a large-scale contract farming scheme</b> A. Feuerbacher*, H. Grethe, <i>Humboldt-University of Berlin, Germany</i>	<b>5.6.1.2 Strengthening value chain actors for scaling up the reach of nutrition-dense small millets</b> M. Karthikeyan*, V. Vedyappan, T. Paramasivam, <i>DHAN Foundation, India</i>	<b>5.7.1.2 Is resilience a new paradigm for foreign food aid policies?</b> A. Bernard de Raymond*, <i>Institut National de la Recherche Agronomique (INRA), France</i>	
12:00-12:15	<b>5.3.1.1 Sustainable leadership</b> Professor Richard Harper <i>Murdoch University, Australia</i>	<b>5.2.1.3 Post-harvest management: Value chain perspective on economically and environmentally sustainable food chains</b> B. van Gogh*, N. Waldhauer, T. Timmermans, R. Ruben, <i>Wageningen University &amp; Research, The Netherlands</i>	<b>5.3.1.3 Loss sources and magnitudes in live-ruminant value chain in developing countries - A comprehensive conceptual framework</b> A. Wane (1,2)*, N. Mtimet (1), N. Njiru (1), S. Staal (1), <i>ILRI, Kenya (1), CIRAD, France (2)</i>	<b>5.4.1.3 The current state of fresh produce handling adopted by smallholder farmers in Zambia</b> S.S. Turketti*, E. Crouch, M. Kidd, <i>Stellenbosch University, South Africa</i>	<b>5.5.1.3 Commodification of indigenous food and knowledge: a case of Zimbabwean food vendors in South Africa</b> L. Mafofo*, <i>University of the Western Cape, South Africa</i>	<b>5.6.1.3 Innovative food procurement strategies of women living in Khayelitsha, Cape Town.</b> R. Bowden*, E. Even-Zahav, C. Kelly, <i>Ms., South Africa</i>	<b>5.7.1.3 "Rewilding" food systems with uncultivated forest products: Between tradition and innovation</b> G.F. Muir (1,2)*, E. Pisani (2), L. Secco (2), D. Pettenella (2), P. Vantomme (1), <i>FAO, Italy (1), University of Padova, Italy (2)</i>	
12:15-12:30		<b>5.2.1.4 Expanding the African Postharvest Losses Information System - APHLIS+</b> T. Stathers (1), B. Tran (1,2), M. Bernard (2), F. Rembold (3)*, B. Mvumi (4), J. Priebe (1), F. Sonntag (5), R. Böck (5), <i>Natural Resources</i>	<b>5.3.1.4 The economic and welfare implications of reducing food loss: The case of 10 most agrarian economies in Africa</b> E.A. Aragie, J. Balie*, C. Morales, <i>Food and Agriculture Organization, Italy</i>	<b>5.4.1.4 Forecasting the Brazilian agribusiness production</b> E.A. Abraham, J.G.M. Reis, O. Vendrametto, J.R. Maiellaro*, P.L.O.C. Neto A. Souza, M.O. Morais, <i>Paulista University, Brazil</i>	<b>5.5.1.4 Value chains for nutrition in South Asia: regional learnings from Bangladesh, India, and Pakistan</b> M. Maestre (1)*, N. Poole (2), <i>Institute of Development Studies (IDS), UK (1), School of African and Oriental</i>	<b>5.6.1.4 Saving harvested staple crop for household consumption: Its intensity and effect on food security of bean producers in rural Guatemala</b> L.Y. Khor*, M. Zeller, <i>University of</i>	<b>5.7.1.4 The changing food consumption patterns and trends in Zambia: Implications for agricultural policies</b> B. Chisanga*, O. Mbata-Zulu, <i>Indaba Agricultural Policy Research Institute, Zambia</i>	

		<i>Institute, University of Greenwich, UK (1), AfricaRice, Benin (2), Joint Research Centre of the European Commission, Italy (3), University of Zimbabwe, Zimbabwe (4), Agricultural Knowledge Management, Germany (5)</i>			<i>Studies (SOAS), UK (2)</i>	<i>Hohenheim, Germany</i>		
12:30-12:45		<b>5.2.1.5 Tanzanian household expenditures and endemic livestock diseases</b> A.F. Railey*, T.L. Marsh, <i>Washington State University, USA</i>	<b>5.3.1.5 How coercive power in the supplier-retailer interface leads to increased food waste: The case of Swedish bread industry</b> R. Ghosh (1)*, M. Eriksson (2), A. Istamov (2), <i>Indian Institute of Management – Ahmedabad, India (1), Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden (2)</i>	<b>5.4.1.5 FAO food loss assessment methodology: Experiences from sub-Saharan Africa</b> B.M. Mvumi*, <i>University of Zimbabwe, Zimbabwe</i>	<b>5.5.1.5 Decomposition of land and market access challenges in female dominated households of rural KwaZulu Natal</b> T.J. Mothae*, J.M. Thamaga-Chitja, <i>University of KwaZulu Natal, South Africa</i>	<b>5.6.1.5 Improving nutrition in Kenya through knowledge exchange and horticultural innovations</b> E. Gevorgyan (1)*, S. Neubert (2), T. Losenge (3), E. Ammel (2), R. Goeke (2), J. Legelli (2), S. Marahrens (2), F. Neubauer (2), C. O'Connor (2), M. Bachmann (2), <i>Humboldt-Universität Berlin, Germany (1), Centre for Rural Development/SLE, Germany (2), Jomo Kenyatta University of Agriculture and Technology, Kenya (3)</i>	<b>5.7.1.5 Mapping forest biomass distribution in smallholders and non-smallholders farms in the Brazilian Amazon</b> J. Pompeu*, L. Soler, J. Ometto, <i>INPE, Brazil</i>	
12:45-13:00				<b>5.4.1.6 The economics, environmental impact and acceptability of recycling food waste as animal feed in the European Union</b> E.K.H.J. zu Ermgassen (1)*, A. Balmford (1),			<b>5.7.1.7 Food security in war-torn Syria: Could agricultural sector be the saviour?</b> K. Ibrahim (1)*, T. Ratering (1,2), J. Banout (1), <i>Czech University of Life Sciences Prague,</i>	

				M.H. Kim (2), R. Salemdeeb (1), <i>University of Cambridge, UK (1), Seoul National University, Republic of Korea (2)</i>			<i>Czech Republic (1), The Technology Centre of the Czech Academy of Sciences, Czech Republic (2)</i>	
13:00-14:00	<b>Lunch and Poster Viewing Session-2   Hall 8</b>							
Room:	<i>Hall 9</i>							
14:00-15:00	<p><b>Plenary Session- Food Systems for Food Security</b>  <b>Session chair: Dr Emile Frison, Chair of the International Scientific Committee of the Fondation Daniel et Nina Carasso</b>  <b>2017 Swaminathan Lecture</b>  The Swaminathan Lecture series aims at promoting the work of a senior researcher that has devoted his life and his career to working on agriculture and food issues and over the course of their career have come to work on sustainable food systems, showing an open mind to new dimensions of the subject.  <b>[PL08] What agriculture is needed for sustainable food systems?</b>  Dr Hans Herren, <i>IPES-Food</i>  <b>Premio Daniel Carasso Laureate 2017 Keynote</b>  The Premio Daniel Carasso is an international prize intended to reward an outstanding researcher that has developed high level research with impact on sustainable food systems. It intends to give him/her more visibility and to help inspire junior researchers to develop transdisciplinary approaches to study food systems and their sustainability.  <b>[PL09] Towards an urban food security agenda</b>  Professor Jane Battersby, <i>University of Cape Town, South Africa</i></p>							
15:00-16:30	<p><b>Plenary Session- Food Security in Changing Societies   Hall 9</b>  <b>Session chair: Professor Frans Swanepoel, Professor, Future Africa, University of Pretoria, South Africa</b></p>							
15:05-15:20	<p><b>[PL10] Gender mainstreaming</b>  Dr Jemimah Njuki, <i>IDRC, Kenya</i></p>							
15:20-15:35	<p><b>[PL11] Youth inclusion</b>  Dr Alemayehu Konde Koira, <i>MasterCard Foundation, Canada</i></p>							
15:35-15:50	<p><b>[PL12] Socio-Economic Complexities</b>  Professor Robyn Alders, <i>University of Sydney, Australia</i></p>							
15:50-16:05	<p><b>[PL13] Rethinking public policies for food security: Moving from sectorial to territorial approaches</b>  Dr Bruno Losch, <i>University of the Western Cape, South Africa, and CIRAD, France</i></p>							
16:30-16:45	<b>Refreshment Break Hall 8</b>							
16:45-18:00	<b>Thematic Focus Parallel Sessions- Food Security in Changing Societies</b>							
	<b>5.1.2 Theme: Food in a Changing Society</b> <b>Hot Topic: Social Protection</b> Room: <i>Hall 9</i>	<b>5.2.2 Theme: Food in a Changing Society</b> <b>Food Sovereignty</b> <i>Room 601 Daisy</i>	<b>5.3.2 Theme: Food in a Changing Society</b> <b>Social Protection/ Human Capital Development</b> <i>Room 602 Freesia</i>	<b>5.4.2 Theme: Food in a Changing Society</b> <b>Sustainable Livelihoods</b> <i>Room 603 Orchid</i>	<b>5.5.2 Theme: Food Creation</b> <b>Agricultural Productivity and Livestock</b> <i>Room 713 Watsonia</i>	<b>5.6.2 Theme: Food Utilisation</b> <b>SMART and Under-utilised Foods</b> <i>Room 714 Bluebell</i>		
	Session moderator: Professor Stephen	Session moderator: Dr Maxwell Mudhara,	Session moderator: Dr Harry Swatson,	Session moderator: Professor Richard	Session moderator: Professor Max	Session moderator: Professor Naushad		

	Devereux, <i>University of the Western Cape, South Africa</i>	<i>University of KwaZulu-Natal, South Africa</i>	<i>KwaZulu-Natal Department of Agriculture, Environment and Rural Development, South Africa</i>	<i>Sikora, Institut für Pflanzenkrankheiten, Germany</i>	<i>Poswal, Eastern Cape Department of Rural Development and Agrarian Reform, South Africa</i>	<i>Emmambux, University of Pretoria, South Africa</i>		
16:45-17:00	<b>5.1.2.1 Social protection</b> Stephen Devereux <i>University of the Western Cape, South Africa</i>	<b>5.2.2.1 Delivering food security on limited land</b> P. Smith (1)*, J. Gerber (2), J. Macdiarmid (1), M. Herrero (3), N. Fitton (1), <i>University of Aberdeen, UK (1), University of Minnesota, USA (2), CSIRO, Australia (3)</i>	<b>5.3.2.1 Exploring the challenges of food security in the Horn of Africa: The case of Intergovernmental Authority on Development (IGAD)</b> B.A. Yitay*, <i>University of Venda, South Africa</i>	<b>5.4.2.1 Desired and sustainable livestock systems for food security: A community visioning approach</b> L. Gwaka (1,2), W. Tucker (1)*, J. May (1), <i>University of the Western Cape, South Africa (1), University of Pretoria, South Africa (2)</i>	<b>5.5.2.1 Smallholder dairy-farming in Kenya - sustainable intensification and sectoral climate change mitigation can contribute to national targets</b> P. Brandt (1,2)*, M. Herold (1), M.C. Rufino (2,3), <i>Wageningen University &amp; Research, The Netherlands (1), Center for International Forestry Research (CIFOR), Indonesia (2), Lancaster University, UK (3)</i>	<b>5.6.2.1 Orange-fleshed sweetpotato adoption improved dietary quality: Evidence from women and children in Western Kenya</b> T. Bocher (1)*, F. Grant (2), J. Low (3), <i>International Potato Center, Mozambique (1), International Potato Center, Tanzania (2), International Potato Center, Kenya (3)</i>		
17:00-17:15	<b>5.1.2.2 TBC</b> Wanga Zembe <i>South African Medical Research Council, South Africa</i>	<b>5.2.2.2 Implications of proposed reforms to Malawian seed-related policies and laws for seed sovereignty in Malawi</b> C. Banda*, M. Katundu, <i>University of Malawi, Malawi</i>	<b>5.3.2.2 Understanding the “logic” of South African food and agricultural policy: Implications for policymaking in a post-Zuma administration</b> S.E. Drimie*, <i>Stellenbosch University, South Africa</i>	<b>5.4.2.2 Measuring agri-food systems sustainability through the lens of food sovereignty: Indicators for an International Comparison</b> A. Ruiz-Almeida (1), G. Barbas Baptista (2), A. Newholm (2), M.G. Rivera-Ferre (3)*,	<b>5.5.2.2 A more robust global estimate on how much food smallholders produce</b> V. Ricciardi*, N. Ramankutty, <i>University of British Columbia, Canada</i>	<b>5.6.2.2 Maize meal fortification and its impact on maize porridge quality</b> F.G. Van Bocktaele (1)*, L. Bierens (1), T. Hellemans (1), Q. Johnson (2,3), A. Verster (3), L. Bauwens (4), <i>Ghent University, Belgium (1), FFI, USA (2), Smarter Futures, The</i>		



				<i>Sustainability Measurement and Modeling Lab, Spain (1), Ecobytes e. V., Germany (2), University of Vic, Spain (3)</i>		<i>Netherlands (3), International Federation for Spina Bifida and Hydrocephalus, Belgium (4)</i>		
17:15-17:30		<b>5.2.2.3 Enabling environments for engaged citizens and responsive governance: Lessons for social protection from Ethiopia</b> L. Cochrane (1)*, <i>Carleton University, Canada (1), Hawassa University, Ethiopia (2)</i>	<b>5.3.2.3 Access to food and its association with noncognitive skills of Ghanaian youth</b> R. Masa (1)*, G.A. Chowa (1), I. Osei-Akoto (2), D. Ansong (1), <i>University of North Carolina at Chapel Hill, USA (1), Institute of Statistical, Social and Economic Research, Ghana (2)</i>	<b>5.4.3.3 Do stress conditions influence the nutritional value of provitamin A biofortified maize in Southern Africa?</b> M.T. Labuschagne (1)*, P. Manjeru (1,2), A. van Biljon (1), <i>University of the Free State, South Africa (1), Midlands State University, Zimbabwe (2)</i>	<b>5.5.2.3 The importance of agricultural diversification for food production</b> K. Waha (1)*, P.K. Thornton (2,1), M.T. van Wijk (3), M. Herrero (1), F. Portmann (4), S. Siebert (5), <i>CSIRO Agriculture &amp; Food, Australia (1), CGIAR Research Program on Climate Change, Kenya (2), International Livestock Research Institute, Kenya (3), University of Frankfurt, Germany (4), University of Bonn, Germany (5)</i>	<b>5.6.2.3 Effect of Processing and Genotype on Concentration and Bioaccessibility of Iron in Dried and Wet Fufu Produced from Cassava Roots (Manihot esculenta, Crantz)</b> M.S.E. Williams (1,4)*, O.O. Onabanjo (1), B. Maziya-Dixon (2), R.P. Glahn (3), N.M. Anthony (4,1), C. Fernández-Fraguas (5), <i>Federal University of Agriculture Abeokuta, Nigeria (1), International Institute of Tropical Agriculture, Nigeria (2), USDA-ARS Robert W. Holley Center for Agriculture &amp; Health, Cornell University, USA (3), Sierra Leone Agricultural Research Institute (SLARI), Sierra Leone (4), Virginia Polytechnic and State University, USA (5)</i>		
17:30-17:45		<b>5.2.2.4 Power and</b>	<b>5.3.2.4 New</b>	<b>5.4.3.4 Can land-</b>	<b>5.5.2.4 Determinants</b>	<b>5.6.2.4 Improving</b>		

		<p><b>politics in understanding malnutrition - where next for political economy approaches?</b> N.C. Nisbett*, <i>Institute of Development Studies, UK</i></p>	<p><b>pathways linking science and practice: Reflections on the formulation of the Western Cape Government's Food Security Strategic Framework</b> C. Adelle (3)*, T. Görgens (1), B. Losch (2, 4), <i>Western Cape Government, South Africa (1), University of Western Cape, South Africa (2), University of Pretoria, South Africa (3), Cirad, France (4)</i></p>	<p><b>based livelihoods continue to contribute to household food security given current challenges and prospective changes in climate?</b> F. Paumgarten*, C. Van Den Hoof, <i>The University of the Witwatersrand, South Africa</i></p>	<p><b>of smallholder dairy and traditional cattle milk producer farms sustainability in Tanzania</b> C. Munyaneza (1,2)*, L.R. Kurwijila (2), N.S.Y. Mdoe (2), I. Baltenweck (1), E.E. Twine (1), <i>International Livestock Research Institute, Kenya (1), Sokoine University of Agriculture, Tanzania (2)</i></p>	<p><b>nutrition through diet and farm diversity: Insights from the ICRISAT smart food initiative from Africa and India</b> R. Padmaja (1), W. Christine (2), S. Datta Mazumdar (1)*, S. Aravazhi (1), A. Paul-Bossuet (1), J. Bossuet (1), J. Kane-Potaka (1), S. Hinrichsen (3), <i>International Crops Research Institute for the Semi-Arid Tropics, India (1), International Crops Research Institute for the Semi-Arid Tropics, Kenya (2), Independent Consultant, India (3)</i></p>		
17:45-18:00		<p><b>5.2.2.5 U.S. government funding for food security in Africa: Investments in local governance and science capacity</b> R. Hamel*, <i>Center for Strategic and International Studies, USA</i></p>	<p><b>5.3.2.5 Education for food security and nutrition: Communitarian schools for family agriculture</b> M.V. Campo-Daza (1), D. Cuéllar-Galvez (2), S. Del Castillo (2), A. Parrado (2), T. Mosquera-Vásquez (2)*, <i>Fundación Mujer y Comunidad-Fucom, Colombia (1), Universidad nacional de Colombia, Colombia (2)</i></p>	<p><b>5.4.3.5 Co-Creation for All: Novel partnership for participatory production and exchange of food and nutrition security information between WFP and FB in up to 50 countries</b> N. Morrow (1)*, N. Mock (1), A. Lee (2), A. Clough (2), M. Black (2), <i>Tulane University, USA (1), World Food Programme, Italy (2)</i></p>	<p><b>5.5.2.5 Grazed and confused? Ruminating on cattle, grazing systems, methane, nitrous oxide, the soil carbon sequestration question - and what it all means for greenhouse gas emissions</b> T. Garnett (1)*, C. Godde (2,3), A. Muller (4), E. Rööös (5), P. Smith (6), I. de Boer (7), E. zu</p>			

					<p>Ermgassen (8), M.  Herrero (2), C. van  Middelaar (7), C.  Schader (4), H. van  Zanten (7),  <i>Environmental  Change Institute at  the University of  Oxford, UK (1),  Commonwealth  Scientific and  Industrial Research  Organisation,  Australia (2), The  University of  Queensland,  Australia (3),  Research Institute of  Organic Agriculture  (FiBL), Switzerland  (4), Swedish  University of  Agricultural Sciences,  Sweden (5),  University of  Aberdeen, UK (6),  Wageningen  University, The  Netherlands (7),  University of  Cambridge, UK (8)</i></p>			
18:00-18:15			<p><b>5.3.2.6 Food security  prevalence and  quality of life (QoL)  among vulnerable  and marginalized  urban population: A  case of households  living in informal  settlements in  Windhoek, Namibia</b></p>					

			L. Kazembe, N. Nickanor*, L. Mbongo, <i>University of Namibia, Namibia</i>					
18:15	<b>Session Close</b>							
19:00	<b>Conference Dinner – Coaches will depart from outside of the CTICC2</b> <b>Guest speaker:</b> Dr Johan van Zyl, <i>CEO, African Rainbow Capital, South Africa</i>							

Wednesday 6<sup>th</sup> December 2017

Room	Hall 9							
08:30-10:00	<b>Global Trends Commentary</b> <i>Key international conferences related to food security around the globe have been identified and selected individuals approached to summarise the high level and strategic trends and innovations. Presenters will share their observations from their respective conferences. 30-minutes will be allocated to participant engagement.</i> <b>Session chair:</b> Dr Aldo Stroebel, <i>Executive Director, Strategic Partnerships; Strategy, Planning and Partnerships, National Research Foundation, South Africa</i>							
08:35-08:50	<b>[PL14] The Malabo Montpellier panel and forum</b> <i>Professor Sheryl Hendriks, Member of the Malabo Montpellier Panel and Director of the Institute for Food, Nutrition and Well-being, University of Pretoria, South Africa</i>							
08:50-09:05	<b>[PL15] Review of SDG 2 by the UN high level political forum in July and the identification of critical and emerging issues by the HLPE</b> <i>Dr Patrick Caron, Cirad, Chair of the High-Level Panel of Experts of the United Nations Committee on World Food Security, France</i>							
09:05-09:20	<b>[PL16] Recent developments in food and nutrition security on the African continent</b> <i>Professor Mandivamba Rukuni, Director, BEAT Doctoral Academy, South Africa</i>							
09:20-09:35	<b>[PL17] 9th GCHERA Global Conference and World Agriculture Prize</b> <i>Professor John Kennelly, President, GCHERA World Agriculture Prize, Canada</i>							
10:00-11:15	<b>Keynote Presentations I Hall 9</b> <b>Session chair:</b> Professor Ndiko Ludidi, <i>Professor, Department of Biotechnology, University of the Western Cape, South Africa</i>							
10:05-10:25	<b>[K03] Is food security a public good and why does it matter?</b> <i>Professor Julian May, Director, Centre of Excellence in Food Security, University of the Western Cape, South Africa</i>							
10:25-10:45	<b>[K04] How to make food systems more nutrition sensitive</b> TBC							
11:15-11:30	<b>Refreshment Break I Hall 8</b>							
11:30-13:00	<b>Thematic Focus Parallel Sessions- Food Utilisation</b>							
	<b>6.1.1 Theme: Food Utilisation</b> <b>Hot Topic: SMART Foods</b> <i>Room: Hall 9</i>	<b>6.2.1 Theme: Food Utilisation</b> <b>Trends and Disruptors</b> <i>Room 601 Daisy</i>	<b>6.3.1 Theme: Food Utilisation</b> <b>Public Policy for Food Utilisation</b> <i>Room 602 Freesia</i>	<b>6.4.1 Theme: Food Utilisation</b> <b>Child Nutrition Security</b> <i>Room 603 Orchid</i>	<b>6.5.1 Theme: Food Utilisation</b> <b>Water, Land and Nutrition</b> <i>Room 713 Watsonia</i>	<b>6.6.1 Theme: Food in a Changing Society</b> <b>Urban Food Contexts and Governance</b> <i>Room 714 Bluebell</i>		
	Session moderator: Professor Jessica Fanzo, <i>Johns Hopkins University, USA</i>	Session moderator: Professor Michael Carter, <i>UC Davis, USA</i>	Session moderator: Dr Lawal Marafa, <i>The Chinese University of Hong Kong, Hong</i>	Session moderator: Professor Julian May, <i>University of the Western Cape, South</i>	Session moderator: Professor Bruno Losch, <i>CIRAD, France</i>	Session moderator: Professor Achim Dobermann, <i>Rothamsted</i>		

			<i>Kong</i>	<i>Africa</i>		<i>Research, UK</i>		
11:30-11:45	<b>6.1.1.1 SMART food for the food insecure</b> Mohammed Naushad Emmambux <i>University of Pretoria, South Africa</i>	<b>6.2.1.1 Livestock: On our plates or eating at our table? A new analysis of the feed/food debate</b> A. Mottet (1)*, C. de Haan (3), A. Falcucci (1), G. Tempio (1), C. Opio (1), P. Gerber (1,2), <i>FAO, Italy (1), Wageningen University, The Netherlands (2), Independant Consultant, USA (3)</i>	<b>6.3.1.1 The separation of production of taste from production of food and its impacts on agricultural production and consumption: A marxist analysis</b> J.M. Denney*, P.M. Case, <i>University of Massachusetts Boston, USA</i>	<b>6.4.1.1 Triggering for positive behaviour change in nutrition: Insights from Sustainable Nutrition for All in Zambia and Uganda</b> D. McMahon, E. Manda*, F. Kazahura, <i>SNV Netherlands Development Organisation, The Netherlands</i>	<b>6.5.1.1 Which dietary changes to move towards nutritionally adequate diets without increasing their impact on biodiversity, water and land-use? The case of Tunisia</b> M. Perignon (1)*, J. El Ati (2), C. Sinfort (3), S. Drogue (1), N. Darmon (1), M.J. Amiot (1), M. Medina Study Group (1), <i>Institut National de la Recherche Agronomique (INRA), France (1), Institut National de Nutrition et de Technologie Alimentaire (INNTA), Tunisia (2), Montpellier Supagro, France (3)</i>	<b>6.6.1.1 Urban Food Systems –emergent dynamics in marginal suburbs and the renewed role for local governments in Australia</b> G. Muriuki*, L. Schubert, K. Hussey, S. Roitman, <i>University of Queensland, Australia</i>		
11:45-12:00	<b>6.1.1.2 Can indigenous foods be considered as SMART foods or must it be modified?</b> Kwaku Gyebi Duodu <i>University of Pretoria, South Africa</i>	<b>6.2.1.2 Shorter, cheaper, quicker, better: Linking measures of household food security to nutritional outcomes</b> S. Tiwari, E. Skoufias*, M. Sherpa, <i>The World Bank, USA</i>	<b>6.3.1.2 How to improve the access to food through public transportation in developed and developing countries</b> H. Raymundo, J.R. Maiellaro*, J.G.M. Reis, E.R. Abraham, A. Souza, <i>Paulista University, Brazil</i>	<b>6.4.1.2 Food security from the perspective of indigenous peoples in Peninsular Malaysia</b> L.S. Law, N. Sulaiman*, M.N. Mohd Taib, W.Y. Gan, <i>Universiti Putra Malaysia, Malaysia</i>	<b>6.5.1.2 Water-food security links in rural versus urban areas: Review of evidence from India, Ethiopia and Nigeria</b> I. Petrikova*, <i>RHUL, UK</i>	<b>6.6.1.2 Linking food security, agriculture and migration: Insights from rural Nicaragua</b> S. Freguin-Gresh (1), G. Cortes (2), A. Lourme Ruiz (1), E. Hainzelin (1)*, <i>CIRAD, France (1), Université Paul Valery, France (2)</i>		
12:00-12:15	<b>6.1.1.3 Nutri-Food Basket from 'Smart</b>	<b>6.2.1.3 Farm production diversity,</b>	<b>6.3.1.3 Linking land use and nutrition:</b>	<b>6.4.1.3 Intra-household</b>	<b>6.5.1.3 Governance of water, sanitation</b>	<b>6.6.1.3 Spatial explicit diagnosis on</b>		

	<p><b>Crops' towards promoting dietary diversity and addressing malnutrition in Tribal areas of India</b> Saikat Datta Mazumdar <i>Agribuisness Innovation Platform (AIP), ICRISAT, India</i></p>	<p><b>commercialization and nutrition information on household and individual dietary diversity in Zimbabwe</b> C. Murendo (1)*, B. Nhau (2), K. Mazvimavi (1), T. Khanye (3), S. Gwara (1), <i>International Crops Research Institute for the Semi-Arid Tropics, Zimbabwe (1), Food and Agriculture Organization, Zimbabwe (2), Community Technology Development Organization, Zimbabwe (3)</i></p>	<p><b>The relationship between landscape configuration and food security in Malawi</b> C. Hall (1), T.P. Dawson (2)*, J.I. Macdiarmid (3), R.B. Matthews (4), P. Smith (3), <i>University of Dundee, UK (1), King's College London, UK (2), University of Aberdeen, UK (3), James Hutton Institute, UK (4)</i></p>	<p><b>nutritional inequities and household shocks: Evidence from Bangladesh panel data</b> A. D'Souza (1)*, S. Tandon (2), <i>Baruch College (CUNY), USA (1), World Bank, USA (2)</i></p>	<p><b>and hygiene (WASH) in sub-Saharan Africa and associations with nutritional status in children under five years of age: A systematic review</b> D.J. Momberg (1)*, C. Ngandu (1), J. May (2), S.A. Norris (1), R. Said-Mohamed (1), <i>University of the Witwatersrand, South Africa (1), University of the Western Cape, South Africa (2)</i></p>	<p><b>food security gaps in brazil using the feedme model and household level surveys</b> L.S. Soler (1)*, J. Pompeu (1), T. Dawson (2), J. Ometto (1), C. Nolasco (1), <i>Brazilian National Institute for Space Research, São José dos Campos, Brazil (1), University of Dundee, UK (2)</i></p>		
12:15-12:30		<p><b>6.2.1.4 Malnutrition gap as a new measure of child malnutrition: A global application</b> J. Feng (1)*, S. Alam (2), P. Eozenou (3), <i>Food and Agriculture Organization, Italy (1), Dickinson College, USA (2), The World Bank, USA (3)</i></p>	<p><b>6.3.1.4 Development aid, agricultural transformation and food security: Lessons from Norwegian and Chinese Aid in Zambia</b> P.H. Nyanga*, D. Chibamba, W.S. Nchito, B.B. Umar, A. Banda, <i>The University of Zambia, Zambia</i></p>	<p><b>6.4.1.4 Complementary feeding practices of children aged 6-23 months in rural area, southern-Benin: Challenges and opportunities</b> I.M. Mitchodigni (1)*, W. Amoussa Hounkpatin (1), G. Ntandou-Bouzitou (2), C. Termote (3), G. Kennedy (4), D.J. Hounhouigan (1), <i>Université d'Abomey-Calavi, Benin (1),</i></p>	<p><b>6.5.1.4 Incidence and costs of illness among urban farm households in Tamale, Ghana</b> C. Swertz*, W. Löwenstein, <i>Institute of Development Research and Development Policy, Germany</i></p>	<p><b>6.6.1.4 Urban household food security in a changing environment: Status of food (in)security in Tembisa</b> R. Nenguda, <i>University of the Witwatersrand, South Africa</i></p>		

				<i>Bioversity International, Benin (2), Bioversity International, Kenya (3), Bioversity International, Italy (4)</i>				
12:30-12:45		<b>6.2.1.5 A systematic review of global food security and nutrition projections</b> M. van Dijk (1,2)*, T. Morley (1), M.L. Rau (1), <i>Wageningen Economic Research, The Netherlands (1), International Institute for Applied Systems Analysis, Austria (2)</i>	<b>6.3.1.5 Rhetoric or reality: India's experience with governing its right to food</b> S.S. Kumar*, R. Birner, <i>University of Hohenheim, Germany</i>					
12:45-13:00		<b>6.2.1.6 Evidence to Action: Highlights from Transform Nutrition research (2012-17)</b> S. Gillespie (1), J. Hoddinott (2), N. Nisbett (3)*, S. El Arifeen (4), <i>International Food Policy Research Institute, USA (1), Cornell University, USA (2), Institute of Development Studies, UK (3), icddr, Bangladesh (4)</i>	<b>6.3.1.6 Agriculture to Nutrition (ATONU): The use of community theatre to communicate nutrition behavior change messages and engage communities</b> L. Sibanda*, S. Sibanda, Z. Nyathi, T. Madzivhandila, B. Mkhawire, <i>FANRPAN, South Africa</i>					
13:00-14:00	<b>Lunch and Power Poster Presentations I Hall 8</b> The top three nominated posters from each thematic will be announced. The top two nominees will present 3 minute power presentation of their posters. <i>Finger food lunch will be served in the poster presentation area.</i>							

Room	Hall 9
14:00-15:30	<p><b>Closing Plenary</b>            High level panel of experts provide their insights on the future of food in the world, incorporating the insights shared over the course of the conference. A moderator will provide commentary on the synergies at the 3<sup>rd</sup> IGFS and other global conferences.  <b>Session chair: Bongiwe Njobe</b>, <i>Chairperson, Global Forum Agricultural Research, Italy</i></p> <p><b>[PL18] Professor Molly Jahn</b>, <i>Professor, Department of Agronomy, University of Wisconsin-Madison, USA</i>  <b>[PL19] Dr Lindiwe Majele</b>, <i>Vice-President Country Support, Policy and Delivery, AGRA, Kenya</i>  <b>[PL20] Dr Wanjiru Kamau-Rutenberg</b>, <i>Director, African Women in Agricultural Research and Development (AWARD), Kenya</i></p>
15:30	<p><b>Conference Closing</b>  <b>UNESCO Chair in African Food Systems Launch</b>  <i>Professor Lise Korsten, Conference Chair</i></p> <p><b>Vote of Thanks and Farewell</b>  <i>Professor Julian May, UNESCO Chair in African Food Systems</i></p>