

3RD INTERNATIONAL CONFERENCE ON GLOBAL FOOD SECURITY

GLOBAL CHALLENGES, LOCAL SOLUTIONS & CONNECTED PATHWAYS

SUNDAY 3 DECEMBER

- 08h00** Registration Opens
Posters to be put up by 17h00
- 08h30** **FIRST SESSION SYMPOSIA BEGIN** (includes a 15-minute coffee break)
- 11h45** Lunch Break
- 12h30** **SECOND SESSION SYMPOSIA BEGIN**
- 14h30** Tea break
- 15h00** **THIRD SESSION SYMPOSIA BEGIN**
- 17h00** **Symposia conclude**
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- 17h30** **Welcome cocktails for Symposia and Conference Delegates**

Sponsored by ARC and Department of Agriculture, Forestry and Fisheries, South Africa

Dr Shadrack Moephuli

CEO, ARC, South Africa

Minister Senzeni Zokwana

Minister of Agriculture, Forestry and Fisheries, South Africa

MONDAY 4 DECEMBER

08h30 **WELCOME AND INTRODUCTION**

CHAIR: Professor Lise Korsten

Conference Chair, Co-director, Centre of Excellence in Food Security, University of Pretoria, South Africa

WELCOME MESSAGES

Professor Cheryl de la Rey

Vice Chancellor and Principal, University of Pretoria, and Chairperson of the National Advisory Council on Innovation, South Africa

Professor Julian May

Director, Centre of Excellence in Food Security, University of the Western Cape, South Africa

Elsevier representative

Elsevier, UK

OPENING ADDRESS

Minister Naledi Pandor

Minister of Science and Technology, South Africa

09h20

CONFERENCE KEYNOTE

CHAIR: Professor Voster Muchenje

Co-SARChI Chairholder: Meat Science; and Research Chair: Food Security, University of Fort Hare, South Africa

Professor Adipala Ekwamu

Executive Secretary, Regional Universities Forum for Capacity Building in Agriculture (RUFORUM)

10h00

KEYNOTE PRESENTATION

Food creation

CHAIR: Dr Joyce Chitja

African Centre for Food Security, University of KwaZulu-Natal, South Africa

The future of farming: Who will produce our food?

Professor Ken Giller

Wageningen Centre for Agroecology and Systems Analysis, The Netherlands

11h00

TEA

11h30

THEMATIC FOCUS PARALLEL SESSIONS

Food Creation

Hot topics are sessions with selected speakers who are nominated based on their expertise and leadership in the field.

These sessions will provide 20 minutes to the key speaker and 10 minutes for two additional speakers related to the theme. The remainder of the session is dedicated to discussion.

HOT TOPIC

Food System Resilience

Dr John Ingram

Programme Leader, Environmental Change Institute, The University of Oxford

An integrated framework for studying food systems resilience: the case of the UK and soy

T Heron

Modelling resilience of the global food system to shocks and trends

R Henry

Water related risks in a fresh fruit and vegetable system

T M Hess

Individual differences in stress responses and their scalar impacts on higher level productivity in livestock systems

L M Collins

PARALLEL SESSION STREAMS 1 - 8

Refer to the Conference Thematic Matrix for details on the Food Creation Theme.

1. Food Security and Sustainable Agriculture Collaborations: Stellenbosch and Wageningen
Coordinated by Kennedy Dzama

13h00 LUNCH

14h00 **THEMATIC FOCUS PARALLEL SESSIONS**
Food Safety and Bio-security

Hot topics are sessions with selected speakers who are nominated based on their expertise and leadership in the field.

These sessions will provide 20 minutes to the key speaker and 10 minutes for two additional speakers related to the theme. The remainder of the session is dedicated to discussion.

HOT TOPIC

How safe is my food?

Dr Michelle Danyluk

Food Science and Nutrition, University of Florida

Can Biological Products ever replace Pesticides to protect our crops?

Dr Wojciech Janisiewicz

United States Department of Agriculture, West Virginia

There is a Microbiome in my food

TBC

Importance of robust crop genetics for food security

Prof Dave Berger

Department of Plant and Soil Sciences, Forestry and Agricultural Biotechnology Institute (FABI), University of Pretoria, South Africa

Between four and ten papers per parallel session will be selected. Speakers will have up to 15 minutes to make presentations, with a Chair moderating discussion.

PARALLEL SESSION STREAMS 1 - 8

Refer to the Conference Thematic Matrix for details on the Food Safety and Bio-security Theme.

15h30 TEA

15h45 **PLENARY PANEL**
Food Safety and Bio-security

CHAIR/MODERATOR: Professor Lise Korsten

Co-director, Centre of Excellence in Food Security, University of Pretoria, South Africa

PLANT HEALTH FOR FOOD SECURITY

Professor Paul Teng

Adjunct Senior Fellow in Food Security, Centre for Non-Traditional Security Studies, Nanyang Technological University, Singapore

Professor Sarah Gurr

Chair, Food Security Alliance, University of Exeter, UK

Jean Ristaino

Director, Emerging Plant Disease and Global Food Security Cluster, NC State University, USA

Unseen, unloved, and unwanted: Dialing in on plant pathogens

Prof Pedro Crous

Director, Microbial Biological Resource Centre for Fungi, the Westerdijk Fungal Biodiversity Institute

17h15 – 19h00 POSTER VIEWING SESSION

Time allocated for conference participants to network and to engage with the poster presentations.

Cocktails and finger foods served

17h30 – 19h00 SIDE EVENT:

World café on the Missing Middle in SDG 2

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.

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.

Drinks and snacks will be provided

TUESDAY 5 DECEMBER

08h30

THOUGHT LEADERS DEBATE

Session sponsored by the National Research Foundation, South Africa

MODERATOR: Dr Molapo Qhobela

CEO, National Research Foundation, South Africa

World Food Prize Laureates will present their work, followed by a moderated discussion.

Ambassador Kenneth Quinn

Patron of World Food Prize

Dr Jan Low

World Food Prize Laureate, Researcher, International Potato Center, USA

Dr Monty Jones (TBC)

Dr David Mwanga (TBC)

09h30

PLENARY PANEL

Food Losses and Waste

CHAIR/MODERATOR: Professor Leon Terry

Director of Environment and Agrifood, Cranfield Soil and Agrifood Institute, Cranfield University, UK

FOOD LOSSES & WASTE IN THE CONTEXT OF SUSTAINABLE FOOD SYSTEMS

Status Report on Waste and Losses

Maryam Rahmanian (TBC)

Research Associate, Centre for Sustainable Development and Environment (CENESTA), Iran

Pre-harvest losses

Professor Serge Savary

Research Director, INRA, France

Post-harvest losses in developing countries

Professor Lodovica Gullino (TBC)

Centro di Competenza per l'Innovazione in campo agro-ambientale (AGROINNOVA) Università degli Studi di Torino, Italy

Food Waste in South Africa

Dr Suzan Oelofse

Principal Researcher, Waste for Development, CSIR, South Africa

11h00

TEA

11h30 **THEMATIC FOCUS PARALLEL SESSIONS**
Food Losses and Waste

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Sessions provide 20 minutes to the key speaker and 10 minutes for two additional speakers related to the theme. The remainder of the session is dedicated to discussion.

HOT TOPIC

Effective, Sustainable Leadership for Agricultural Innovation and Food Security

Dr Shadrack Moephuli
CEO, ARC, South Africa

Agricultural Governance Overview

Dr Lucky Mathebula
Executive Trustee, Thinc Foundation, South Africa

Between four and ten papers per parallel session will be selected. Speakers will have up to 15 minutes to make presentations, with a Chair moderating discussion.

PARALLEL SESSION STREAMS 1-8

Refer to the Conference Thematic Matrix for details on the Food Losses and Waste Theme.

13h00 **LUNCH**

14h00 **PLENARY PANEL**
Food Systems for Food Security

CHAIR/MODERATOR: Dr Emile Frison
Chair of the International Scientific Committee of the Fondation Daniel et Nina Carasso

2017 Swaminathan Lecture

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.

What agriculture is needed for sustainable food systems?

Dr Hans Herren
IPES-Food

Premio Daniel Carasso Laureate 2017 Keynote

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.

Towards an urban food security agenda

Dr Jane Battersby
African Centre for Cities, University of Cape Town, South Africa

15h00 **PLENARY PANEL**
Food Security in Changing Societies

CHAIR/MODERATOR: Professor Frans Swanepoel
Professor, Future Africa, University of Pretoria, South Africa

Gender Mainstreaming

Dr Jemimah Njuki
Senior Programme Officer, IDRC, Kenya

Youth Inclusion

Dr Alemayehu Konde Koira

Senior Programme Manager, Youth Livelihoods, MasterCard Foundation, Canada

Socio-Economic Complexities

Professor Robyn Alders

Associate Professor, School of Life and Environmental Sciences and Charles Perkins Centre, University of Sydney, Australia

Rethinking public policies for food security: moving from sectorial to territorial approaches

Dr Bruno Losch

Co-director of the Centre for the Study of Governance Innovation (GovInn) at the University of the Western Cape, researcher at the DST-NRF Centre of Excellence in Food Security, South Africa and Lead political economist at CIRAD, France

16h30 TEA

16h45 THEMATIC FOCUS PARALLEL SESSIONS

Food Security in Changing Societies

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HOT TOPIC

Social protection

Professor Stephen Devereux

SA-UK Bilateral Chair in Food Security, University of the Western Cape, South Africa

Professor Lawrence Haddad

Executive Director, Global Alliance for Improved Nutrition (GAIN), UK

Dr Wanga Zembe

Specialist Scientist, Health Systems Research Unit, South African Medical Research Council, South Africa

PARALLEL SESSION STREAMS 1-8

Refer to the Conference Thematic Matrix for details on the Food Security in Changing Societies Theme.

18h00 SESSION CLOSE

19h00 CONFERENCE DINNER

GUEST SPEAKER: Dr Wanjiru Kamau-Rutenberg

Director, African Women in Agricultural Research and Development (AWARD), Kenya

WEDNESDAY 6 DECEMBER

08h30 GLOBAL TRENDS COMMENTARY

CHAIR/MODERATOR: Dr Aldo Stroebe

Executive Director, Strategic Partnerships; Strategy, Planning and Partnerships, National Research Foundation, South Africa

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.

Malabo Montpellier Panel

Professor Sheryl Hendriks

Professor of Food Security, Department of Agricultural Economics, Extension and Rural Development, University of Pretoria, South Africa

Review of SDG 2 by the UN High Level Political Forum in July and the Identification of Critical and Emerging Issues by the HLPE

Dr Patrick Caron

Cirad, Chair of the High-Level Panel of Experts of the United Nations Committee on World Food Security

Food Security trends on the African Continent

Prof Felix Dakora (TBC)

Research Chair in Agrochemistry and Plant Symbiosis, Faculty of Science, Tshwane University of Technology, South Africa

10h00

KEYNOTE PRESENTATION

Food Utilisation

CHAIR: Prof Ndiko Ludidi

Is food security a public good and why does it matter?

Professor Julian May

Director, Centre of Excellence in Food Security, University of the Western Cape, South Africa

Food Utilisation

Professor Lawrence Haddad

Executive Director, Global Alliance for Improved Nutrition (GAIN), UK

11h15

TEA

11h30

THEMATIC FOCUS PARALLEL SESSIONS

Food Utilisation

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HOT TOPIC

Smart Food

Professor Mohammed Naushad Emmambux

Professor, Department of Food Science, University of Pretoria

Prof Kwaku Gyebi Duodu

Associate Professor, Department of Food Science, University of Pretoria

Dr Saikat Datta Mazumdar

Chief Operation Officer of the NutriPlus Knowledge Program, at the Agribuisness Innovation Platform (AIP), ICRISAT, India

PARALLEL SESSION STREAMS 1-8

Refer to the Conference Thematic Matrix for details on the Food Utilisation Theme.

13h00 **LUNCH AND POWER POSTER PRESENTATIONS**

The top three nominated posters from each thematic will be announced. The top two nominees will present 3 minute power presentation of their posters.

Finger food lunch will be served in the poster presentation area.

14h00 **CLOSING PLENARY**
Food in the future

CHAIR: Bongiwe Njobe
Chairperson, Global Forum Agricultural Research

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 3rd IGFS and other global conferences.

Professor Molly Jahn
Professor, Department of Agronomy, University of Wisconsin-Madison, USA

Professor Louise Fresco
President, Wageningen University, The Netherlands

Dr Lindiwe Majele
Vice President Country Support, Policy and Delivery, AGRA, Nairobi

15h30 **CONFERENCE CLOSING**

Vote of Thanks and Farewell
Professors Lise Korsten and Julian May

THURSDAY 7 DECEMBER

Tour sponsored by the Western Cape Provincial Department of Agriculture for 100 people. Will cover multiple sites in the emerging farmer development programme in Phillippi.