

3RD INTERNATIONAL CONFERENCE ON GLOBAL FOOD SECURITY

GLOBAL CHALLENGES, LOCAL SOLUTIONS & CONNECTED PATHWAYS

SUNDAY 3 DECEMBER

08h00	Registration Opens <i>Posters to be put up by 17h00</i>
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
17h30	Welcome cocktails

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

CHAIR: Dr Shadrack Moephuli
CEO, ARC, South Africa

WELCOME MESSAGE

Mr 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

09h30 **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)

10h15 **TEA**

10h45 **KEYNOTE PRESENTATION**

Food creation

CHAIR: Dr Joyce Chitja

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

The future of farming: Who will produce our food?

Professor Ken Giller

Professor, Wageningen Centre for Agroecology and Systems Analysis, The Netherlands

11h45 **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.

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.

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

13h15 **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.

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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

Antibiotics and microbial resistance - What risk for mankind?

TBC

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

TUESDAY 5 DECEMBER

08h30

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

10h00

THEMATIC FOCUS PARALLEL SESSIONS

Food Losses and Waste

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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.

11h30

TEA

12h00

THOUGHT LEADERS DEBATE

Session sponsored by the National Research Foundation, South Africa

MODERATOR: Dr Molapo Qhobela

CEO, National Research Foundation, South Africa

INTRODUCTION: Ambassador Kenneth Quinn

Patron of World Food Prize

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

Dr Jan Low

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

Dr Monty Jones (TBC)

Dr David Mwanga (TBC)

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

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 Koirra

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

15h30 TEA

15h45 **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*

PARALLEL SESSION STREAMS 1-8

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

17h00 Break

17h15 **PLENARY PANEL (TBC)**
Session sponsored by the Carosso Foundation

Swaminathan Keynote Lecture
Awarding of the Premio Daniel Carasso

18h30 **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, 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. Five 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 Agrochemurgy 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 Naushad Emmambux

Associate Professor, Department of Food Science, University of Pretoria

PARALLEL SESSION STREAMS 1-8

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

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

CHAIR: Bongwiwe 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 IGFSC 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

Professor Sakiko Fukuda-Parr

Professor, Julien J. Studley Graduate Programme in International Affairs, The New School, USA

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 Phillipi.