### SUNDAY 3 DECEMBER

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08h00</td>
<td>Registration Opens</td>
</tr>
<tr>
<td></td>
<td>Posters to be put up by 17h00</td>
</tr>
<tr>
<td>08h30</td>
<td>FIRST SESSION SYMPOSIA BEGIN</td>
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<tr>
<td></td>
<td>(includes a 15-minute coffee break)</td>
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<tr>
<td>11h45</td>
<td>Lunch Break</td>
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<tr>
<td>12h30</td>
<td>SECOND SESSION SYMPOSIA BEGIN</td>
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<tr>
<td>14h30</td>
<td>Tea break</td>
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<tr>
<td>15h00</td>
<td>THIRD SESSION SYMPOSIA BEGIN</td>
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<tr>
<td>17h00</td>
<td>Symposia conclude</td>
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<tr>
<td>17h30</td>
<td>Welcome cocktails for Symposia and Conference Delegates</td>
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*Sponsored by ARC and Department of Agriculture, Forestry and Fisheries, South Africa*

Dr Shadrack Moepholi  
CEO, ARC, South Africa  
Minister Senzeni Zokwana  
*Minister of Agriculture, Forestry and Fisheries, South Africa*

### MONDAY 4 DECEMBER

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08h30</td>
<td>WELCOME AND INTRODUCTION</td>
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**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*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair/Presenter</th>
<th>Location/Institution</th>
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| 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**               | **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.**
|       |                                        |                                                                                  | **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** |                                                                                       |
| 13h00 | **LUNCH**                              |                                                                                  |                                                                                       |
### 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*

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### PARALLEL SESSION STREAMS 1 - 8
Refer to the Conference Thematic Matrix for details on the Food Safety and Bio-security Theme.

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### 14h00

<table>
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<tr>
<th>15h30</th>
<th>TEA</th>
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<tr>
<th>15h45</th>
<th>PLENARY PANEL</th>
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<td></td>
<td>Food Safety and Bio-security</td>
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**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*

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### 17h15 – 19h00 POSTER VIEWING SESSION
Time allocated for conference participants to network and to engage with the poster presentations.  
*Cocktails and finger foods served*

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### 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
Wo
[254x775]rld 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

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**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
### THEMATIC FOCUS PARALLEL SESSIONS

**Food Losses and Waste**

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

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 Mathubula**  
  **Executive Trustee, Thinc Foundation, South Africa**

### PARALLEL SESSION STREAMS 1-8

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

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<tr>
<th>Time</th>
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<tr>
<td>11h30</td>
<td><strong>THEMATIC FOCUS PARALLEL SESSIONS</strong></td>
<td>Food Losses and Waste</td>
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<tr>
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<td><strong>Hot topics</strong></td>
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<tr>
<td>13h00</td>
<td><strong>LUNCH</strong></td>
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<tr>
<td>14h00</td>
<td><strong>PLENARY PANEL</strong></td>
<td>Food Systems for Food Security</td>
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|       | **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

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

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

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 Stroebel
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
**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*

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**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*

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**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*

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**11h15 TEA**

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**11h30 THEMATIC FOCUS PARALLEL SESSIONS**

**Food Utilisation**

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

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**

**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 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_

15h30  CONFERENCE CLOSING

_Vote of Thanks and Farewell_

_Professors Lise Korsten and Julian May_

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**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.