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## 5 November 2015: Morning

8:00	REGISTRATION TEA/COFFEE
8:30	<a href="#">Prof. L. van Huysteen, Executive Manager, Stellenbosch University</a> Welcome Address
8:40	Ms. J. Isaacs, Department of Agriculture, Western Cape Sustainable soil management in the Western Cape
8:55	Dr. R. van Antwerpen, President SSSSA Soil science in South Africa
9:10	Dr. J. Rees, Agricultural Research Council (To be confirmed) The importance of SSM in South Africa and the role of Agricultural Research
9:30	<a href="#">Prof. Rainer Horn, President IUSS</a> Soil Science Societies and their role in improving soil governance at a global level
10:00	TEA/COFFEE
10:20	Ms. L. Wiese, Soil Researcher, ARC-ISCW Sustainable Soil Management: a pillar of the Global Soil Partnership
10:40	Mr Adam Mostert, CEO FERTASA Sustainable management of soil fertility and plant nutrition
11:00	<a href="#">Prof. R. Scholz</a> , ETH Zürich Peak Phosphorus and sustainable P supply
11:30	<a href="#">Prof. K. Giller</a> , Soil Science, Wageningen University N2Africa: Putting nitrogen fixation to work for smallholder farmers in Africa
12:00	Dr. W.H. Hoffmann, SU Land use options: the importance of appropriate planning horizons
12:25	Prof. K. Jacobs Soil biodiversity in sustainable soil management
12:45	J. Harper, Dr. H. Hawkins, Prof. K. Dzama, Stellenbosch University Can we take a systems approach to agriculture? Assessing the Sustainable Agriculture Masters curriculum
13:00	LUNCH

## 5 November 2015: Afternoon

14:00 Special Events

### 1. Theoretical problems and conflicts of sustainability, development and globalization.

14:00 – 14:30 Dr. A. Rozanov, Soil Science, Stellenbosch University  
Philosophy and Principles of Sustainable Soil Management

14:30 – 14:40 Questions and discussion

14:40 – 15:10 Prof. R.M.B. Auerbach  
Vested interests and the anti-organic lobby

15:10 - 15:20 Questions and discussion

15:20 – 15:50 Dr. J. Van Breda  
Multidisciplinary approach to sustainable soil management

15:50 – 16:00 Questions and discussion

### 2. Soil Fertility and Plant Nutrition – Moderator: Adam Mostert, CEO, FERTASA

14:00 – 14:30 Ms. Corrie Swanepoel, Soil Researcher, ARC-ISCW  
Review and meta-analysis of soil organic matter dynamics in cultivated soils of southern Africa

14:30 – 14:40 Questions and discussion

14:40 – 15:10 Dr Christo Malan, MD, Agrilibrum Cape  
Review of Humic and Fulvic acids: A Practical Approach

15:10 - 15:20 Questions and discussion

15:20 – 15:50 Dr Johan Labuschagne, Dept of Agriculture, Elsenburg  
The effect of tillage and crop production practices on soil health

15:50 – 16:00 Questions and discussion

### 3. Practical soil management solutions to sustainability challenges in horticulture and pasture management – Moderator: Peter Greeff

14:00 – 14:20 Peter Greeff  
Introduction: Understanding the basics of soil management in cultivated crops

14:20 – 14:30 Questions and discussion

14:30 – 14:50 Ettienne Naude  
Soil Management approach and experience in Table Grapes

14:50 – 15:00 Questions and discussion

15:00 – 15:20 Retief du Toit  
Soil Management approach and experience in Fruit Orchards

15:20 – 15:30 Questions and discussion

15:30 – 15:50 Dr. Pieter Swanepoel, Researcher, Dept of Agronomy, University of Stellenbosch  
Benefits and challenges of no-tillage pasture systems: Lessons from soil quality assessment

15:50 – 16:00 Questions and discussion (+general)

16:00 TEA/COFFE

16:20 Feedback from Special Events and PANEL DISCUSSION

19:00 **SPITBRAAI: The lawn of the Lombardi building, Victoria street.**

## 6 November 2015: Morning

8:10	TEA/COFFEE
8:30	Department of Environmental Affairs representative Environmental importance of sustainable soil management
8:45	Dr H. Smith, Conservation Agriculture Facilitator, GrainSA Farmer-led Innovation in Conservation Agriculture and soil management in South Africa
9:05	Dr. P.L. Grundling The impact of catchment degradation on the ability of peatlands in South Africa to sequester carbon
9:25	Mr. L. Lindeque – Department of Agriculture, Forestry and Fisheries Soil degradation and desertification in SA
9:40	<a href="#">Prof. Rainer Horn, President IUSS</a> Soils are sensitive reactors - do we need a paradigm change towards a more sustainable soil or land use?"
10:00	TEA/COFFEE
10:30	Dr. A. McLeod, Plant Pathology, Stellenbosch University Biofumigation and anaerobic soil disinfestation for managing soilborne plant diseases
10:50	Dr. A. Hardie, Soil Science, Stellenbosch University The effect of fertilizer on organic matter decomposition and sequestration
11:15	Dr. A. Grundling – Senior Researcher, ARC-ISCW Developing the Hydrological Database for inclusion into the ARC-ISCW Soil Information System
11:35	Mr. A. van Zyl, Terrasim Designing multi-functional sustainable soil covers for rehabilitated mine land in Mpumalanga
11:55	Auerbach, RMB, Mashele, N-J, van Niekerk, A & Eckert, C.; NMMU Organic Farming Research: Preliminary results from the Saasveld long-term comparative trials
12:15	Ms. K. Capp, Stellenbosch University Bio-indicators: why nematodes could be the key
12:35	Dr. S. Lamprecht Managing crop rotation for suppression of soil borne plant diseases
13:00	LUNCH

## 6 November 2015: Afternoon

14:00	<b>Special Events</b>
1.	<b>Practical soil management solutions to sustainability challenges in grain production: Moderator – Dr Hendrik Smith, CA Facilitator, Grain SA</b>
14:00 – 14:20	Mr. Richard Krige - CA crop-livestock farmer, Boontjieskraal, Heidelberg, Western Cape The ABC of soil management on a mixed crop-livestock enterprise in the Overberg
14:20 – 14:30	Questions and discussion
14:30 – 14:50	Mr. Bertie Coetzee – CA crop-livestock farmer, Lowerland, Prieska, Northern Cape Soil health: practices, observations and speculations from Prieska.
14:50 – 15:00	Questions and discussion
15:00 – 15:20	Erna Kruger – CA smallholder facilitator, Mahlathini Organics, KwaZulu-Natal & Eastern Cape Optimising the conservation agriculture system for non-commercial and semi commercial smallholders.
15:20 – 15:30	Questions and discussion
15:30 – 15:50	Mr. Nicolas Madondo – CA smallholder farmer & facilitator, Bergville, KwaZulu-Natal & Eastern Cape Facilitation of conservation agriculture among smallholders: lessons learned and insights.
16:50 – 16:00	Questions and discussion (+general)

## 2. Soil Fertility and Plant Nutrition: Moderator – Adam Mostert, CEO, FERTASA

14:00 – 14:30	Dr. Andrei Rosanov, Dept of Soil Science, University of Stellenbosch Plant growth hormones and stimulants
14:30 – 14:40	Questions and discussions
14:40 – 15:10	Dr. Pieter Swanepoel, Researcher, Dept of Agronomy, University of Stellenbosch Nutrient loading of pasture soil in the temperate dairy production region of South Africa
15:10 – 15:20	Questions and discussions
15:20 – 15:50	Dr. Pieter Raath, General Manager, Bemlab The use of leaf analysis as an indicator of nutritional status of permanent crops
15:50 – 16:00	Questions and discussions

16:00

TEA/COFFE

16:30

PANEL DISCUSSION and ADOPTION OF RESOLUTION