



4th Global Science Conference on CSA Conference Programme



28th to 30th November 2017

Birchwood Hotel and OT Conference Centre
Johannesburg, South Africa



1. INTRODUCTION

"The 4th Global Science Conference on Climate-Smart Agriculture (The 4th GSC-CSA)" takes forward the initiative on research and science started in October 2010 with the aim to bring science to bear on practical advances in scaling up climate smart agriculture. Three scientific conferences have been held so far (*University of Wageningen in 2011; University of California, Davis in 2013 and in Montpellier in 2015*). Africa, under the custodianship of NEPAD Agency, is hosting the 4th GSC-CSA from **28th to 30th November, 2017 in Johannesburg, South Africa**

Conference rationale and purpose: There is growing attention to “climate-agriculture nexus” issues. At global level, the SDGs and Paris Climate Agreement have explicitly highlighted climate-agriculture and food systems nexus issues as key success factors in advancing sustainable economic growth and development. The 4th Global SC-CSA brings together key constituencies to share, learn, network and build alliances – with the aim to bring science and innovations to bear on policy, institutional and technological efforts in building agricultural and food systems that are climate smart.

Conference Theme and Objectives: The 4th GSC-CSA will focus on IMPLEMENTATION, RESULTS and IMPACT under the theme *“Catalysing local innovations and actions to accelerate scaling up of CSA”*.

Specifically, five conference objectives are identified:

- i. Highlight emerging science and innovations on Climate-Agriculture nexus, focusing on agricultural landscapes and food systems
- ii. Showcase experiences and lessons in science-policy interactions fostering accelerated up-take of CSA
- iii. Examine circumstance-specific conditions for success for CSA within SDGs & Paris Climate Agreement
- iv. Networking and opening or consolidation opportunities for collaboration and alliances on CSA
- v. Stimulate dialogue between scientists and practitioners (policy makers, business, civil society, farmers, etc...)

The Conference focus on implementation is intended to compel circumstance-specific examination of implementation capacity related factors including multi-sectoriality, multi-disciplinary and trans-boundary collaboration, partnerships and alliances. The key message is that climate smart agriculture is not a sector issue, nor can it be pursued successfully under one discipline. Individual country successes are also not sustainable. With science as the primary entry point, the Conference will also give attention to policies, human and institutional capacity and financing – in context of how all these elements play together to expand implementation capacity.


Conference Participants: The Conference is open to all interest constituencies including policy makers, development champions and practitioners, private sector and scientists from across the world.

Conference structure: Guided by the principle “everyone has something to share”, Conference structure is designed to encourage formal and informal discussions and networking with expert interventions to inform discussions. This includes plenary and parallel thematic sessions and information kiosk to showcase work mainly through posters and video documentaries. Break and lunch times are arranged to optimise formal and informal networking.

Note:

1. *Registration desk will be open on November 27 from 11.00am to 06.00pm and from 07.30am on the 28th November 2017*
2. *The Conference Secretariat will be open on 27th November and throughout all the Conference days*

2. CONFERENCE PROGRAMME LAYOUT

Monday, 27-November		Day 1: Tuesday; 28-November				Day 2: Wednesday; 29-November				Day 3: Thursday; 30-November						
Time	Agenda Item	venue	Agenda Item		venue	Agenda Item			venue	Agenda Item			venue			
09:00	SIDE-EVENT 2 FARNPAN – Youth and CSA Convened by: FARNPAN; Contact Person: Tobias Takavarasha ttakavarasha@farnpan.org		Session 1: Opening Session		OR Tambo	Session 5: South - South; South – North sharing: Regional Examples			OR Tambo	Session 8: Parallel sessions						
10:00			Technical Keynotes Presentations:							8.1 Heathrow	8.2 Cape Town	8.3 Marco Polo	8.4 King Shaka	8.5 Barcelona		
11:00			Break				Break				break					
11:30			Session 3: Thematic framework and cross cutting issues		OR Tambo	Session 6: Regional Examples (cont.)			OR Tambo	Session 9: Synthesis session			OR Tambo			
13:00			Lunch				Lunch				Lunch					
14:00			Session 4: Parallel sessions		Session 7: Parallel sessions			Conclusion and Closing			OR Tambo					
16:00	4.1 Heathrow	4.2 Cape Town	4.3 Marco Polo	4.4 King Shaka	4.5 Barcelona	7.1 Heathrow	7.2 Cape Town	7.3 Marco Polo	7.4 King Shaka	7.5 Barcelona						
16:15	break				Break				-							
16:15	Poster session		Poster session			Self-organised Side Events										
18:00	Conference Dinner		Self-organised Side Events			SIDE-EVENT 1 The CSA Papers: Data leaks to help create a climate-smart future			SIDE-EVENT 2 GACSA Side-event Convened by: GACSA		SIDE-EVENT 3 Africa Science Agenda side event Convened by: FARA		SIDE-EVENT 2 NEPAD-RECs Meeting on AFR100 Convened by: NEPAD		SIDE-EVENT 2 FARNPAN – Youth and CSA Convened by: FARNPAN	

Legend

Plenary session	Parallel session	Poster session	Self-organised Side Events	Break/lunch
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3. DETAILED PROGRAMME

Monday; 27 th November 2017		
<ul style="list-style-type: none"> ✓ Participants arriving ✓ Self-organised meetings (If Intending to self-organise a meeting, pre-inform inform the Conference Organisers) 		
Tuesday; 28 th November 2017		
Time	Agenda Item	Venue
09:00	<p>Session 1: Opening Session: Moderator – Dr Phil Mjwara, Director General - DST:</p> <p><i>Opening remarks: Dr Ibrahim Mayaki; NEPAD Agency, CEO and Conference Host (Technical)</i> <i>Opening remarks: H.E. Sacko Josefa, AUC DREA Commissioner (tbc)</i> <i>Opening Statement: Mr Senzeni Zokwana is the Minister of Agriculture, Forestry and Fisheries</i> <i>Opening Statement: Naledi Pandor; South Africa Minister, Science & Technology</i></p>	OR Tambo Conference Hall
10:00	<p>Session 2: Lead Keynote Presentations - Setting the scene: Moderator – Dr Phil Mjwara, Director General - DST:</p> <p>Introductions and conference theme and objectives [Jan]</p> <ol style="list-style-type: none"> 1. <i>Lead Keynote 1: Making the Journey: Wageningen-to-Davis-to-Montpellier and now to Johannesburg: What do we know more and better and where to? Dr Patrick Caron; UC Davis/WUR/CIRAD/NEPAD</i> 2. <i>Lead Keynote 2: Science-policy-practice interface as a route to scaling up CSA: Linking CSA science to policy and practice; Bruce Campbell; CCAFS</i> 3. <i>Lead Keynote 3: Connecting between practices at community level and continental-global policies - How is Science helping? Sheila Roquitte, Acting Deputy Assistant Administrator, USAID Bureau for Food Security</i> <p>Moderated Plenary Q&A</p>	OR Tambo Conference Hall
11:00	Break	
11:30	<p>Session 3: Technical Lead Presentations - Cross cutting issues: Moderator Ms. Chenai Mukumba, CUTS International</p> <ol style="list-style-type: none"> 1. Technical Lead Presentation 1: The policy landscape for accelerated CSA development and up-take; [Ada Ignaciuk, FAO] 2. Technical Lead Presentation 2: Multi-sectorial – experiences and opportunities/ challenges to embrace multi-sectorial approaches to enhance and accelerate execution and delivery (vertically and horizontally) [Martin Bwalya; NEPAD] 3. Technical Lead Presentation 3: Institutional and human skills/competencies to deliver sustained and widespread systemic capacity to innovate and practice CSA; Aly Abousabaa/ Michael Baum, (ICARDA) 4. Technical Lead Presentation 4: Youth and women considerations in advancing science on CSA: CTA experiences in Africa and the Caribbean; Michael Hailu, CTA <p>Announcements on the Parallel session arrangements</p>	OR Tambo Conference Hall
13:00	Lunch	

14:00	Session 4: Parallel Side Events Session				
	<p><u>Parallel Session 4.1:</u> Venue: Heathrow Sub-theme: CSA in pursuit of SDGs: Experiences on practical CSA innovations across Agenda 2030 goals; Moderator: Dr Juliana Gil; Wageningen University & Research</p>	<p><u>Parallel Session 4.2:</u> Venue: Cape Town Sub-theme: Gender and small scale climate-smart food systems; Moderator: Dr JJ Anderson; ARC-SA</p>	<p><u>Parallel Session 4.3:</u> Venue: Marco Polo Sub-theme: An enabling policy environment to achieve CSA Moderator: Francesco Rampa, ECDPM</p>	<p><u>Parallel Session 4.4:</u> Venue: King Shaka Sub-theme: Understanding Climate-Agriculture and food systems interactions to enhance scaling up of CSA [Part 1a] Moderator: Dr Simon Mwale, CCARDESA</p>	<p><u>Parallel Session 4.5:</u> Venue: Barcelona Sub-theme: Climate smart agriculture and agroecology: Identifying and addressing the convergences Moderator: Dr Emmanuel Torquebiau, CIRAD</p>
16:15	Break				
16:15 18:00	Poster and Information Kiosk session				
18:30	Conference welcome Cocktail				

Wednesday, 29th November 2017

Time	Agenda Item	Venue
09:00	<p>Session 5: South - South; South – North sharing and Regional Examples: Fostering knowledge sharing between regions: Moderator: Dr Irene Annor Frempong, FARA</p> <p>Presentation 5.1: Part 1: Scaling up CSA in Africa: <i>Kwame Ababio; Africa CSA Alliance</i> Part 2: Case of South Africa: <i>South Africa DST</i> Presentation 5.2: Scaling up CSA in L. America: <i>Central American Agricultural Council</i> Presentation 5.3: Scaling up CSA in Asia: <i>Imelda Bacudo, ASEAN CRN</i></p> <p>Moderated Q&A with the audience</p>	OR Tambo Conference Hall
11:00	Break	
11:30	<p>Session 6: Opportunities to bring the Science-Policy nexus to foster accelerated scaling-up of CSA: Moderator: Dr Shadrack Moephuli; South Africa ARC</p> <p>Presentation 6.1: Climate-Smart Value Chain approaches; <i>Golden Mahove; VUNA</i> Presentation 6.2: Prioritising context-specific CSA interventions; <i>Ewan Girvetz; CIAT,</i> Presentation 6.3: Institutional perspectives of Climate-Smart Agriculture: A systematic literature review; <i>Dr Edmond Totin;</i> Presentation 6.4: Science-policy interactions for accelerated CSA uptake: lessons from West African national science-policy dialogues; <i>Dr Robert B. Zougmore</i></p> <p>Moderated Q&A with the audience</p>	OR Tambo Conference Hall
13:00	Lunch	



14:00	Session 7: Parallel Side Events Session				
	<u>Parallel Session 7.1</u> Venue: Heathrow Sub-theme: Climate smart livestock systems Moderator: Dr. Lutz Merbold; ILRI	<u>Parallel Session 7.2</u> Venue: Cape Town Sub-theme: Enhancing the Policy Relevance of CSA Research Agendas Moderator: Sitko, Nicholas, FAO	<u>Parallel Session 7.3</u> Venue: Marco Polo Sub-theme: CSA and Biodiversity Conservation Moderator: Francesco Rampa, ECDPM	<u>Parallel Session 7.4</u> Venue: King Shaka Sub-theme: Localised CSA innovations and practices in combating land degradation and enhancing soil health Moderator: Nadine Andrieu; CIRAD	<u>Parallel Session 7.5</u> Venue: Barcelona Sub-theme: Advisory services (and research) to underpin innovations and up-scaling of CSA; [Part 1b]; Moderator: Dr Laura Schreeg; USAID
16:15	Break				
16:15 17:30	Open poster and information kiosk session				
	Self-organized Side Events				
18:00	<p style="text-align: center;"><u>SIDE-EVENT 1</u></p> <p style="text-align: center;">The CSA Papers: Data leaks to help create a climate-smart future</p> <p>Convened by: CCAFS' Partnership for Scaling Climate-Smart Agriculture Project (P4S) Contact Person: Todd Rosenstock, (ICRAF); T.Rosenstock@cgiar.org</p>	<p style="text-align: center;"><u>SIDE-EVENT 2</u></p> <p style="text-align: center;">GACSA Side-event: 'Translating science into action: the role of the Global Alliance for Climate-Smart Agriculture'</p> <p>Convened by: GACSA Contact person: emmanuel.torquebiau@cirad.fr and Federica.Matteoli@fao.org</p>	<p style="text-align: center;"><u>SIDE-EVENT 3</u></p> <p style="text-align: center;">Africa Science Agenda side event</p> <p>Convened by: FARA Contact person: Irene Annor Frempong ifrempong@faraafrica.org</p>		



Thursday, 30th November 2017



9:00	Session 8: Parallel Side Events Session				
	<u>Parallel Session 8.1</u> Venue: Heathrow Sub-theme: Enhancing CSA development and up-take: Investment opportunities and funding instruments; Moderator: Dr William Horwath, ucDavis	<u>Parallel Session 8.2</u> Venue: Cape Town Sub-theme: Advisory services (and research) to underpin innovations and up-scaling of CSA; [Part 2b]; Moderator: Dr Mike Hoffmann, Cornell University	<u>Parallel Session 8.3</u> Venue: Marco Polo Sub-theme: Issues / research questions for the Agriculture and food systems of 2050; Moderator: Patrice Dumas, CIRAD	<u>Parallel Session 8.4</u> Venue: King Shaka Sub-theme: Enhancing soil carbon for climate mitigation, climate adaptation and food security Moderator: Dr Jean-Luc Chotte; IRD	<u>Parallel Session 8.5</u> Venue: Barcelona Sub-theme: Understanding Climate- Agriculture and food systems interactions to enhance scaling up of CSA [Part 2a] Moderator: Dr Yemi Akinbamiyo; FARA
11:30	Break				
11:50	Plenary session: Open reflections on the Conference key messages: Moderator: Mamadou Diakhite, NEPAD Conference Synthesis and Outcomes: What next <ul style="list-style-type: none"> ▪ Component 1: Key lessons in fostering implementation ▪ Component 2: What are the implications for science and research ▪ Component 3: What are the implications for policy and for practitioners 				OR Tambo Conference Hall
13:00	Lunch				



<p>14:00 – 15:00</p>	<p>1. Conference Declaration and Conference Outcome Document 2. Host for the 5th Global Science Conference on CSA 3. Closing Remarks <i>a) Remarks by the Host for the 5th Conference</i> <i>b) Official Closing Statement</i></p>	<p>OR Tambo Conference Hall</p>
	<p>CLOSE</p>	
<p>15.30 17:00</p>	<p>Self-organized Side Events</p> <p style="text-align: center;"><u>SIDE-EVENT 1</u> NEPAD-RECs Meeting on AFR100 Convened by: NEPAD Agency; Contact Person: Mamadou Diakhite; MamadouD@nepad.org</p>	




4. SPEAKERS AND PRESENTERS


Photo	Full name and Organization	Brief bio-data
	<p>William R. Horwath Professor J. G. Boswell Endowed Chair in Soil Science Dept. Land, Air and Water Resources University of California, Davis</p>	<p>William Horwath, Professor of Soil Biogeochemistry, the J. G. Boswell Endowed Chair in Soil Science, Master faculty advisor of the Sustainable Agriculture Food Systems undergraduate major and is the Vice Chairman of the Soils and Biogeochemistry section of the Department of Land, Air and Water resources. He is internationally known for his work in soil organic matter dynamics, climate change effects on agriculture and forests and is a leader in sustainable agriculture. He is particularly focused on improving the understanding of nutrient release from the recycling of organic wastes. His work is wide ranging, encompassing determining microbes as precursors to soil humic substances, effect of agricultural practices on water quality, the effect of agricultural practices on greenhouse gas emissions, use of wetlands and rice culture in restoring soils, sustainability of grasslands and forests, to enzymatic the control of nitrogen uptake by microorganisms. He has over 225 publications in peer reviewed scientific journals. In 2009, he was elected Fellow of the Soil Science Society of America Professor. Horwath's career can be summarized by his never-ending enthusiasm to conduct research in sustainable agriculture, grassland, wetland and forestry and to provide leadership on natural resource management and solve critical environmental issues related to natural resource management and food and fiber production.</p>
	<p>Merelyn Valdivia Díaz Food Agriculture Organization (Farmer Field School team)</p>	<p>Degree in Biology and MSc in Ecotourism. System thinker. Social & scientific research within projects related to agroforestry, land use, local knowledge and ecosystem services with an inter and transdisciplinary perspective focus on socio-ecological systems and work in science-policy-society interface.</p>

	<p>Dr. Yemi Akinbamijo Executive Director of FARA</p>	<p>Dr. Akinbamijo, a Nigerian national, has spent the past 28 years of his career in Africa and Europe working in the International Agriculture, food security and Rural Development domain. Prior to his appointment as Executive Director of FARA, he was the Head of Division of the Agriculture and Food Security Division at the African Union Commission Headquarters in Addis Ababa, Ethiopia. Before then, he served as the Director of the AU Inter-African Phytosanitary Council based in Yaoundé Cameroon. Dr. Akinbamijo has published several scientific papers and articles and had served in several international panels including Chair of the West African Livestock Innovation Centre (WALIC –former International Trypanotolerance Center; Continental Working Group on Sanitary and Phytosanitary Issues; Africa-EU Joint Expert Group; Africa-Brazil on Agriculture and Food Security; Africa-Arab Joint Action on Food Security and Agriculture; Steering Committee on African Growth and Development and a host of others. He holds a PhD in Agriculture and Environmental Sciences with specialization on Tropical Animal production from Wageningen University Research Centre, The Netherlands.</p>
	<p>Dr. Mike Hoffmann Cornell University</p>	<p>As Executive Director of the Cornell Institute for Climate Smart Solutions I provide visionary leadership, communicate to a wide range of audiences the challenges and opportunities that come with a changing climate, and build partnerships among public and private organizations. As a professor of entomology my goal is to advance the integrated pest management (IPM) strategy through mission-oriented research and extension. My research program is directed at improving our understanding of pest biology and ecology in vegetable crop systems and applying that information to develop practical, cost-effective, and environmentally sensitive pest management tactics. The goal of my extension program is to ensure that new knowledge is delivered to the end-user and adapted to their needs.</p>



	<p>Dr Lutz Merbold</p> <p>Senior Scientist Mazingira Centre at ILRI</p>	<p>My research focuses on the detailed understanding of greenhouse gas exchange (H₂O, CO₂; , N₂O and CH₄) in a variety of ecosystems worldwide including wetlands, woodlands, forests, savannas and managed grasslands (see details below)</p> <p>By applying micrometeorological methods such as the eddy covariance technique I aim to define major meteorological as well as biological factors influencing ecosystem greenhouse gas (GHG) fluxes and link the biogeochemical cycles of carbon, nitrogen and water.</p> <p>Besides studying the ecosystem scale, I am further interested in exchange of GHGs at the process level (leaf and soils using GHG chambers) and larger scales (regional to global) using modeling (empirical, semi-empirical and process-based biogeochemical models) and remote sensing approaches.</p> <p>Beyond the quantification of greenhouse gas fluxes, I am interested in a more integrated ecosystem understanding trying to answer a simple questions: How do ecosystems function now and how will ecosystem function in the future?</p> <p>Besides doing fundamental research, I am motivated to educate undergraduate and graduate students in biology and environmental sciences but also to apply recent research findings in the real world.</p>
	<p>Dr. Simon Mwale</p> <p>Programmes and Grants Manager for CCARDESA</p>	<p>He deputizes the Executive Director in the day-to-day management of CCARDESA. Dr. Mwale is also responsible for identification of funding opportunities. He deals with the development of concept notes and full project proposals with grantee institutions, and coordinates submissions to the Technical Support Group (TSG) and Project Approval Committee (PAC). He also oversees all grant management and administration, including grant agreements.</p>

	<p>Dr. Jan Jacobus Anderson</p> <p>Agricultural Research Council – Institute for Soil, Climate and Water</p>	<p>Academic qualifications:</p> <ul style="list-style-type: none"> ✓ BSc. Agric. (Agronomy); 1992; University of Pretoria ✓ BSc. Agric. Hons. (Agronomy); 1993; University of Pretoria ✓ MSc. Agric. (Agronomy); 1998; University of the Free State ✓ PhD. Agric. (Soil, Crop and Climate Sciences); 2007; University of the Free State <p>Career highlights:</p> <ul style="list-style-type: none"> ✓ Employed by the ARC-ISCW as Senior Researcher (Soil & Water Utilization) since December 1993. ✓ Conducted a number of research projects on quantifying the water balance under various rainwater harvesting and conservation techniques in semi-arid areas in South Africa, Zimbabwe and Botswana with maize, sunflower, sorghum and dry beans as indicator crops. ✓ Specialize in crop growth modelling. Models used included Ceres, DSSAT3 and Putu. ✓ Conducted technology transfer actions in the form of information and farmers days and workshops to community members in rural areas in the Free State, Eastern Cape and Limpopo province as well as neighbouring countries (Zimbabwe & Botswana). ✓ Member of the SSSSA since 1994. ✓ Author/co-author of 44 publications, 95 conference papers and 19 research reports. <p>Awards:</p> <ul style="list-style-type: none"> ✓ Silver Medal from SSSSA at Combined Congress - 2007: Best contribution to research development in Soil Science (Badplaas) <p>Silver Medal from SSSSA at Combined Congress - 2015: Best poster presentation (Bloemfontein)</p>
	<p>Gennifer Meldrum</p> <p>Research Assistant, Sustainable Food Systems</p> <p>Bioversity International</p>	<p>Gennifer is an ecologist supporting the implementation of highly interdisciplinary projects promoting the use of neglected and underutilized species for climate change resilience, nutrition, and income generation. She works with local partners and a team of agronomists, economists, and nutritionists to identify high potential local crops, bottlenecks for their use, and approaches to promote their use for the benefit of the poor and vulnerable. A special focus of Gennifer's research is on the role of stress-tolerant underutilized crops in diversifying production systems for better resilience to climate change and variability. Gennifer started at Bioversity International in May 2012 with an internship funded by the Biodiversity Research Centre at the University of British Columbia, where she completed her Master's thesis in community ecology. She has a broad experience base with research and environmental consulting in diverse natural systems in Canada and agroecosystems in Guatemala, Bolivia, Mali, Nepal, and India.</p>

	<p>Munyaradzi Chitakira University of South Africa</p>	<p>A former post-doctoral fellow and an up-coming researcher, Dr. Munyaradzi (Munya) Chitakira is currently a senior lecturer with the University of South Africa. Munya holds an Honours degree in Geography, a Master's degree in Environmental Policy and Planning and a PhD in Environment and Society. Munya has a couple of years of experience as a researcher, tutor and lecturer in the environmental management field at universities in Zimbabwe and South Africa. He supervises postgraduate / research students at the Honors, Masters and PhD levels. Munya has presented papers and posters at several local and international conferences and has published 1 book, 1 book chapter and seven articles in scientific journals and peer reviewed conference proceedings. Munya's current research interest is on integrated (climate smart) landscape management, transfrontier conservation areas resources management, stakeholder involvement and climate smart livelihood strategies for smallholder farming communities.</p>
	<p>Federica Matteoli Food and Agriculture Organisation of the United Nations</p>	<p>Federica Matteoli is Natural Resources Officer at FAO where she has worked since 2008. She is coordinator of a project on Climate Smart Agriculture. The project focus is on supporting Global Alliance on CSA and FAO Knowledge activities. She has expertise on projects management, climate change, participatory approaches and knowledge sharing. She has a degree in Law holds at the University La Sapienza of Pisa, Italy, a Master on International Cooperation from the American University of Washington DC and a PHD on Science and Management of Climate Change from the Ca Foscari University, Venice, Italy. Her research focus was on the use of participatory approaches for National Adaptation Plans. She has worked as advisor for government agencies and the World Bank.</p>
	<p>Djibril S. Dayamba, PhD World Agroforestry Centre (ICRAF)</p>	<p>Djibril S. Dayamba is a postdoctoral fellow on Climate-Smart Agriculture at the World Agroforestry Centre (ICRAF), based in Bamako, Mali. He is involved in a number of projects aiming at capacitating stakeholders in using climate Information and climate-smart practices for enhanced resilience of the production systems in West Africa. Before joining ICRAF, Djibril worked for the Center for International Forestry Research (CIFOR) in Ouagadougou, Burkina Faso, on land restoration and climate mitigation (carbon sequestration potentials of different land uses) related projects. He holds a PhD degree in Forest Biology, Ecology and Management from Swedish University of Agricultural Sciences and an Engineer diploma in rural development (Silvo-pastoralism) from the University of Bobo-Dioulasso, Burkina Faso.</p>

	<p>Olivier Crespo, PhD University of Cape Town, South Africa</p>	<p>Olivier Crespo is a Research Officer at the Climate System Analysis Group, Environmental and Geographical Science department, University of Cape Town, South Africa. Olivier is working towards a better understanding of short and long-term climate change issues in connection with agricultural and especially small holder community, farming systems in Africa. Through multiple research projects, he participates to the improvement of global agricultural modeling (e.g. with AgMIP), a better understanding of climate impacts on the agricultural sector (e.g. with IFAD), and enhance adaptation capacity in developing and developed countries (e.g. with FAO). Through the last 10 years Olivier developed collaborations with national (e.g. SA Water Resource Commission, SA Agricultural Research Council), regional (e.g. FANRPAN, ICRISAT) and international (e.g. IDRC, CSIRO, FAO) Organisations, with an almost exclusive focus on African countries and most of the time southern Africa. While he continues to work with long term time scales, Olivier recently specifically developed stronger focus and engagement with shorter time scales (seasonal to annual) which is proving to be of high interests and of critical concern to vulnerable farming communities in Africa.</p>
	<p>Temitope Samuel Egbebiyi Department of Environmental and Geographical Science , University of Cape Town, South Africa</p>	<p>I am currently Doctoral student at the Climate System Analysis Group (CSAG), Environmental and Geographical Science department, University of Cape Town, South Africa. My doctoral research focus is on investigating the projected timing of climate departure from historical variability on crop yield over West Africa. It will also examine how the timing of adaptation will influence crop yield and improve food security over the region. I completed my Bachelor's degree in Meteorology, B.Tech. (Hons) in 2010 at the Federal University of Technology, Akure, Nigeria and MSc. degree at University of Cape Town South Africa in 2016. My MSc. dissertation focused on "Future changes in extreme rainfall events and African Easterly Waves over West Africa". My research interest are in climate modelling, extreme weather events, climate change impacts and adaptation studies.</p>

	<p>Lavhelesani Rodney Managa</p> <p>Human Sciences Research Council (HSRC), Africa Institute of South Africa (AISA), 134 Pretorius Street, Pretoria</p> <p>Email: RManaga@hsrc.ac.za</p> <p>Website: http://www.hsrc.ac.za</p>	<p>Mr. Lavhelesani Rodney Managa is a researcher in the AISA-Science & Technology Research Programme within HSRC. Prior to working for HSRC, He worked for University of Venda Plant Production Department, Penn State University Roots Biology Lab and Agricultural Research Council (ARC). He holds Master of Science (Cum Laude) degree in Agriculture, specialized in Plant Breeding from University of South Africa in collaboration with Agricultural Research Council (ARC). He is currently studying PhD (Horticultural Science), from University of Pretoria, Faculty of Natural and Agricultural Science. His research interest are in Food Security, Agro-processing, Medicinal Plant Science, Plant Biodiversity, Agriculture and Climate Change</p>
	<p>Sabine Homann-Kee Tui</p> <p>International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)</p>	<p>Sabine Homann-Kee Tui is a social scientist in the Research Team Markets, Institutions, Nutrition and Diversity (MIND), Research Program Innovation Systems for the Drylands (ISD), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), based in Bulawayo, Zimbabwe. With a PhD from Justus Liebig University Giessen, Germany, in Agricultural Sciences. Research focus is on sustainability transitions for crop livestock farming systems in African Drylands, using innovation systems, value chain development and stakeholder engagement approaches, with a combined 15 years working experience. Expertise covers farming systems analyses, knowledge brokerage and social learning supporting market led development. For devising climate change adaptation strategies and influencing decisions towards sustainable development pathways, uses multi-modelling approaches and future scenario development with stakeholders. Through participatory and action-oriented research, design feeds concrete information and practical experience into development and policy relevant dialogues, and contributes to better understanding of decision-making processes in agriculture. Has authored and co-authored more than 20 Journal publications and a wide range of communication products for research, development and policy audiences. Her contribution to this conference highlights results, lessons and emerging research questions from The Agricultural Model Inter-comparison and Improvement Project (AgMIP), the Southern Eastern Africa Crop Livestock Intensification Project.</p>

	<p>JOÃO HENRIQUE PEREIRA TAVARES</p> <p>EUCLID (Euclid University - Pôle Universitaire Euclide)</p> <p>Offices:</p> <ul style="list-style-type: none"> • Banjul, Gambia • Bangui, Central African Republic • Washington DC (USA) • Brussels (Belgium) • Berlin (Germany) <p>www.euclid.int</p>	<ul style="list-style-type: none"> • Sr Consultant, Professor and Executive • Have amassed over 20 years of significant, progressive experience in international organizations, international trade, private sector, global affairs, development and international negotiations. • PhD in Diplomacy and International Relations – EUCLID and University of São Paulo, Brazil • Master in Advanced Studies in International Organizations at the University of Zurich, Switzerland. • Sub Specialization: <ul style="list-style-type: none"> ▪ International Organizations (corporate, NGO and IGOs) ▪ Security and Human Affairs ▪ Sustainable Development ▪ Food Security, Climate Change, International Trade ▪ Fundraising and Strategic Alliances • Professional Experience: <ul style="list-style-type: none"> ▪ Sr Consultant and Professor – EUCLID (2009- up to date) ▪ General Manager, Fortress Technology (2011) ▪ General Manager, Terlizzi (2008) ▪ Commercial Director, Belliz (2007-2008) ▪ Marketing Manager, Coca-Cola Femsa (2005-2006) ▪ Marketing Manager, Copersucar-Uniao (2000-2004) ▪ Category Manager, Sadia SA (1998-2000) ▪ Marketing Manager, Cadbury - Adams (1993-1998) ▪ Product Manager, Colgate-Palmolive (1990-1993)
	<p>Patrice Dumas</p> <p>CIRAD, CIRED, France</p>	<p>Patrice dumas is a researcher with CIRAD, the French Agricultural Research Centre for International Development, in the CIRED laboratory. He has been trained as a biologist and an economist and is involved in research in projections of the agriculture and water management sector. He also works on adaptation to climate change in the context of uncertainty since 2000. He is involved in the project team of the CIRAD/INRA Agrimonde-Terra foresight, in particular on quantitative assessment. He develops balance, optimization and market environmental and economic assessment models.</p>

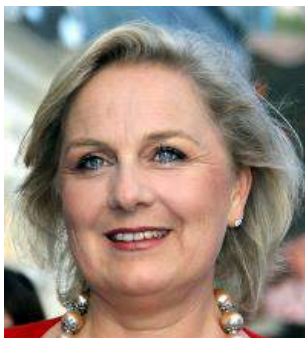

	<p>Suzanne Reynders</p> <p>INRA, Scientific Directorate for Environment, French National Institute for Agricultural Research</p>	<p>Suzanne REYNDERS is Senior Advisor for Public Private Partnerships at the Scientific Directorate for Environment at INRA, French National Institute for Agricultural Research. After a PhD and a scientific career at INRA, she enrolled SKEMA Business School. Since then she has worked on public private-partnerships for two French research institutes: INRIA (Math and Informatics) and INRA (Agriculture/Food /Environment).</p> <p>Currently, she develops Public Private Partnerships in different networks amongst which Climate KIC. She leads INRA'S participation in Climate KIC and CSA booster. She leads different programs related to agriculture and climate change and catalyses public private partnership in the domain.</p>
	<p>Sarah Beerhalter</p> <p>Programme Manager</p> <p>SADC Adaptation to Climate Change in Rural Areas in Southern Africa (ACCRA)</p>	<p>Sarah Beerhalter is an environmental engineer with nearly 20 years of professional experience. During her studies one of her key areas of interest has been on sustainable agriculture. She has worked on three continents on environmental and water issues (including agriculture) with public and private sector entities.</p> <p>Sarah Beerhalter is working for GIZ (Deutsche Gesellschaft für internationale Zusammenarbeit GmbH) in international development projects since more than one decade.</p> <p>She worked in Latin America (2005 and 2009-2012) on improving the Environmental Impacts of Small and Medium Enterprises which included agricultural businesses, water management and wastewater re-use in agriculture.</p> <p>From 2012-2015 she worked as GIZ Advisor to the SADC Secretariat in the area of Transboundary Water Management which also included topics as for example IWRM (Integrated Water Resource Management) and Water Security where agriculture plays a very important role.</p> <p>Since December 2015 she is heading the regional SADC Programme on Adaptation to Climate Change in Rural Areas in Southern Africa (ACCRA) which is jointly implemented by GIZ and CCARDESA (Centre for Coordination of Agricultural Research and Development for Southern Africa). In her current work, she is focusing on regional knowledge dissemination on Climate Change Adaptation in Agriculture and Climate Smart Agriculture in the 15 SADC member states and on climate proofing of agricultural value chains.</p>



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	<p>Francesco Rampa</p> <p>Head of Programme Sustainable Food Systems;</p> <p>European Centre for Development Policy Management</p>	<p>With a background in economics and international trade (graduated in Economic and Social Sciences at Bocconi University and Master in Economics for Development at Oxford University), his expertise and publications are in the fields of trade policies and development, trade negotiations, aid for trade, political economy, innovation and food security.</p> <p>He worked on trade policy and negotiations for two years as ODI Fellow at the Department of Trade and Industry of Papua New Guinea and on the relation between technology and trade at the Bocconi University. He worked for ECDPM in the Economic and Trade Cooperation Programme from 2005 until 2008, and was seconded in 2008-2009 to the Prime Minister’s Office of Italy, G8 Sherpa Office, as technical advisor on Africa and Development dossiers within the G8, G20 and G8-G5 Dialogue processes. There he focused on ‘agriculture and food security’ as well as on ‘water and sanitation’.</p> <p>In 2010 he was also a consultant for the Food and Agriculture Organization (FAO) of the UN, working within the Land and Water Division to support African countries in the implementation of water management policies and in the design of strategic investment frameworks for agricultural water. At ECDPM he now leads the Food Security & Food Systems Programme, focusing on ‘African regional markets for food security’, as well as, increasingly, on climate-resilience and environmental-sustainability of food systems.</p>
	<p>Jean-Luc CHOTTE</p> <p>Institut de Recherche pour le Développement, France</p>	<p>Jean-Luc CHOTTE is en senior scientist at IRD (Institut de Recherche pour le Développement), France. His research topic deals with the impact of climate and land use changes on soil organic matter dynamics. As a soil ecologist, he has a special interest in the role of soil biota (macrofauna, mesofauna, microorganisms) and their interactions in organic carbon dynamics in soils. His research promotes the role of soil biota as key players in agro-ecosystem functioning and in soil and land rehabilitation. From 1996 to 2004, he was posted in Sénégal and conducted in depth field studies on means to enhance soil carbon stock in different agro-systems from semi arid to humid ecosystems. He has been involved in international projects. He co-chaired the 3rd International Scientific Conference on “Climate Smart Agriculture” (2015). To date he has published about 100 publications in the fields of Soil Sciences and Soil Ecology. He was involved in the development of the UN Sustainable Development Goals (SDGs) published by ICSU. Since 2011 he is the</p>



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		<p>Director of joint Unit “Functional Ecology & biogeochemistry of soils & agro-ecosystems”. Since 2015, he has been nominated as Deputy Director of one of the 5 Scientific Department at IRD. He is the focal point for IRD in the 4P1000 initiative. Since 2015, he is member of the Committee for Science and Technology of the UNCCD convention</p>
	<p>Nicholas Sitko Food and Agriculture Organization of the United Nations</p>	<p>Nicholas is a Programme Coordinator in the Agriculture Development Economics Division of the FAO, based in Rome. His research provides policy insights into the relationships between climate change and farmers adaptive responses.</p>
	<p>Dr Emmanuel Torquebiau CIRAD, France</p>	<p>Emmanuel Torquebiau is a senior scientist with CIRAD, the French Agricultural Research Centre for International Development. He has been trained as an ecologist and is involved in research and training in agroforestry, climate change and the landscape approach since 1980. His experience covers Indonesia, Kenya, South Africa and many other tropical countries. He presently holds the position of CIRAD’s Climate Change Correspondent in Montpellier, France.</p>




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	<p>Bruce Campbell</p>	<p>Dr. Bruce Campbell has degrees in Ecology from Cape Town (B.Sc. Hons.), Minnesota (M.Sc.) and Utrecht (Ph.D.), but has increasingly moved into inter-disciplinary work, championing new approaches to doing applied research on natural resource management. In 2009, he became the Director of the newly-established CGIAR Challenge Program on climate change, based at the University of Copenhagen, and in 2011 the Director of its successor, the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS)</p>
	<p>Robert Zougmore Regional Program Leader, CCAFS West Africa, ICRISAT, Mali</p>	<p>Dr Robert Zougmore is an agronomist and soil scientist with a PhD in Production Ecology & Resources Conservation (University of Wageningen, The Netherlands). He has published widely with more than 50 papers and book chapters on soil erosion, integrated soil, water and nutrient management options and their economic benefits, and climate-smart agriculture.</p>
	<p>Nteranya Sanginga Director General, IITA</p>	<p>Dr Sanginga has more than 21 years of experience in agricultural research and development, particularly in applied microbial ecology, plant nutrition, and integrated natural resources management. Dr Nteranya Sanginga did most of his postgraduate training at IITA and his PhD in agronomy and soil microbiology under a joint program between IITA and the Institut Facultaire des Sciences Agronomiques, Yangambi, Democratic Republic of the Congo.</p>




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	<p>Tony Simons</p> <p>Director General, ICRAF/ Vincent Gitz, Director, CGIAR Research Program on Forests, Trees and Agroforestry</p>	<p>Tony Simons is the Director General of the World Agroforestry Centre. Tony has worked for 27 years on issues at the tropical agriculture/forestry interface in more than 40 developing countries. He holds a B.Ag.Sci degree from Massey University, NZ as well as Masters and Doctoral degrees from Cambridge University, UK.</p>
	<p>Sara Menker</p> <p>Founder and CEO, Gro Intelligence</p>	<p>Sara Menker is the founder and CEO of Gro Intelligence, a data company dedicated to building products that change the way the world understands agriculture. Sara received a B.A. in Economics and African Studies at Mount Holyoke College and the London School of Economics and an M.B.A. from Columbia University.</p>
	<p>Meryl Richards</p> <p>Science Officer, Low Emissions Agriculture, CCAFS and Research Associate, University of Vermont</p>	<p>Meryl Richards is an agroecologist who joined CCAFS in January 2013 as a Science Officer for the CCAFS Flagship on Low Emissions Agriculture. She received her B.A. (2005) and B.E. (2006) degrees in Environmental Engineering from Dartmouth College, USA. Her dissertation in the Agroecology and Rural Livelihoods Group at the University of Vermont was titled "Agrobiodiversity, conservation, and food security among small-scale coffee farmers in El Salvador."</p>



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	<p>Sheila Roquitte Acting Deputy Assistant Administrator USAID - Bureau for Food Security</p>	<p>Ms. Sheila Roquitte is the Acting Deputy Assistant Administrator in the Bureau for Food Security at the U.S. Agency for International Development (USAID). Ms. Roquitte is part of the senior management team at USAID that leads and coordinates the U.S. Government’s Feed the Future initiative to reduce hunger, poverty, and malnutrition globally. In this role, she oversees the initiative’s rigorous monitoring, evaluation and learning efforts and portfolio of research and policy investments, as well as the Bureau for Food Security’s strategic planning, budget and staffing. As a career Foreign Service Officer, Ms. Roquitte has worked with USAID since 1999, with postings at headquarters as well as in Africa and Asia. Before coming to USAID, Ms. Roquitte worked for the executive and legislative branches of the U.S. Government as well as for the Truth and Reconciliation Commission in South Africa, consulted for Fortune 500 companies, and ran a grassroots NGO. Ms. Roquitte holds a B.A. in Economics & Mathematics from Northwestern University, and a Masters in Public Affairs in Economic Development from Princeton University.</p>
	<p>Laura Schreeg, PhD United States Agency for International Development (USAID)</p>	<p>Laura Schreeg is with the Bureau for Food Security in the U.S. Agency for International Development (USAID). She is an Agricultural Productivity Adviser with the Office of Country Strategies and Implementation. Laura is interested in how to program for widespread adoption of improved technologies and practices to achieve reductions in poverty, strengthen resilience, and improve nutrition of smallholder producers. She started at USAID as a fellow through the American Association for the Advancement of Science and is trained as an ecosystem ecologist. Before moving to Washington, D.C., she was a postdoctoral research assistant at Brown University, received a PhD in Interdisciplinary Ecology from University of Florida, worked in Panama with the Smithsonian, and served as an agro-forestry Peace Corps volunteer in the Andes of Ecuador. She's also an alumna of Michigan State University and Saint Mary's College.</p>



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	<p>Farirai Rusere</p> <p>Climate System Analysis Group, Department of Environmental and Geographical Science, University of Cape Town</p>	<p>Farirai is a Zimbabwean and is currently doing his PhD with the Climate System Analysis Group, Department of Environmental and Geographical Science, University of Cape Town on “Assessing the value of ecological intensification in improving smallholder farmers’ food security and livelihoods in a changing world.”</p>
	<p>Martin Bwalya</p> <p>Head, Programme Development and strategic Planning in the NEPAD Planning and Coordinating Agency</p>	<p>Currently, Head, Programme Development and strategic Planning in the NEPAD Planning and Coordinating Agency is A Machinery Design Engineer by training and has worked many years in machinery design, specialising in design and development of farm reduced tillage equipment within the context of sustainable agriculture.</p> <p>Have since 2000 worked in several international organisations within the field of Sustainable Land and Water Management. Joined the NEPAD – CAADP support programme in 2008 as lead specialist moving on to be the Head for Comprehensive Africa Agriculture Development Programme (CAADP) – Africa’s continental framework for agricultural transformation - from 2009 until 2014; with a focus on coordination continental, regional and national expert support on formulation., implementation and evaluation of national and regional agricultural development plans and policies.</p> <p>Has over the years build up experience in development and undertaking of regional/ trans-national agricultural research programmes; guest lecturing at Universities as well as publications on particularly Sustainable Land and Water Management and Climate Smart Agriculture.</p> <p>Currently (since 2015) also Co-chair for the Global Alliance on Climate Smart Agriculture</p>

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	<p>Dries Roobroeck</p> <p>International Institute of Tropical Agriculture (IITA)</p>	<p>I am a scientist with the unit of Natural Resource Management from IITA since 2013. On the one hand, my research focusses on crop-soil-climate interactions with emphasis on Integrated Soil Fertility Management (ISFM) practices that combine mineral and organic inputs. Under these activities, I have recently been working on a meta-analysis about the effects of ISM practices on the productivity of maize, associated temporal yield variability as well as soil carbon balances. On the other hand, I have been leading research projects focusing on the energy efficiency, emission offsets, residue availability and agronomic usage of biochar technologies in smallholder farming systems across Kenya and Uganda. Extensive testing of a gasifier cook stove has proven to reduce fire wood consumption by 30-40% while hugely decreasing emissions of fine particulates, CO₂ and CO. At the same time, we have been carrying out allometric surveys to determine the availability of non-competed residues like coconut shells, rice/coffee husks, maize cobs. We also screened biochar inputs on smallholder farms with different residues and rates over 4 to 10 years, which demonstrated significant increases of crop productivity and soil C stocks by one-time applications.</p>
	<p>Saïdou Nourou SALL, PhD.</p> <p>Université Gaston Berger, Saint-Louis, Senegal</p>	<p>From 2001 to 2009: he was a junior scientist at IRD (Institut de Recherche pour le Développement) in Dakar.</p> <p>Since 2010, he is an Associate Professor in Soil Biochemistry, Faculty of Agronomy, Aquaculture and Food Sciences in the University Gaston Berger (Saint-Louis, Senegal). His research programme is focused on the relationship between organic matter quality and soil microbial activity enhancing soil fertility and C stabilization in soil. The work is investigating how microbial activity and diversity controlled global C and N cycles. This research is target toward the impact of land use management and climate change context, with a special attention given to the management of organic input, on soil bio - functioning in relation to the capacity of soils to sequester carbon. To date, he published about 34 articles in fields of soil biochemistry and soil ecology in several journals.</p> <p>He has been involved in several international projects. He is a project manager (diploma of M.Sc. of Management Institute) of several local, multi-partners and multi-cultural projects. He is the focal point in UGB for the CASA network.</p>



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