

# 3 ACCA



THIRD AFRICA CONGRESS ON  
CONSERVATION AGRICULTURE  
5-8 June 2023 | Rabat, Morocco



## CONGRESS PROGRAM

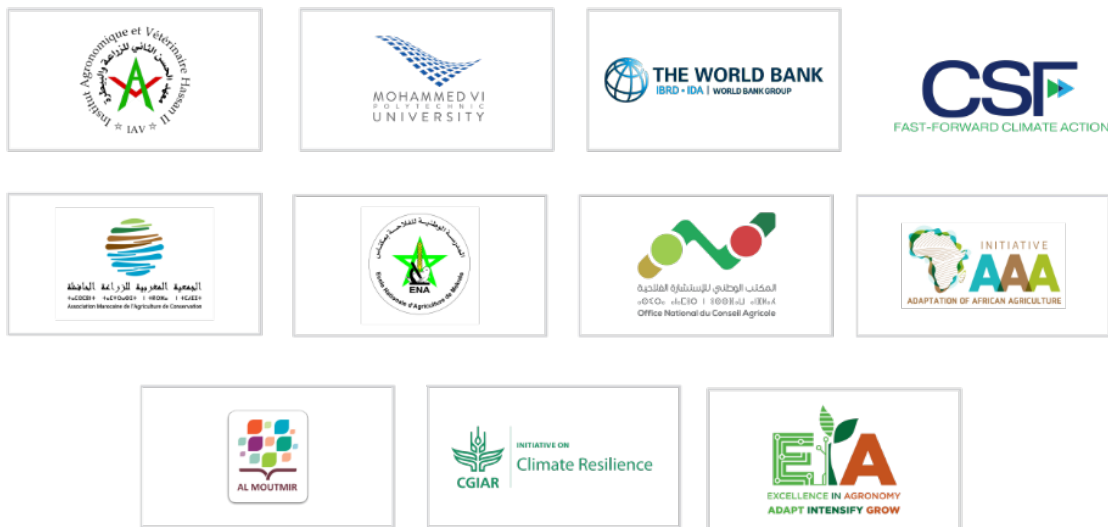
*“Building a Resilient Future in Africa through  
Conservation Agriculture and Sustainable Mechanization”*



## Organizers



## In Collaboration with



## Gold Sponsors



## Silver Sponsors



## Bronze Sponsor





# Summary

The African Conservation Tillage Network (ACT) jointly with the Kingdom of Morocco, the African Union Commission, the NEPAD Agency, the Food and Agricultural Organization (FAO) of the UN, the Moroccan National Agronomic Research Institute (INRA) and the International Center for Agricultural Research in the Dry Areas (ICARDA), in collaboration with the National Office of Agricultural Advice (ONCA), the Hassan II Agronomic and Veterinary Institute (IAVH2), the National School of Agriculture of Meknes (ENAM), University Mohammed 6 Polytechnic (UM6P), Moroccan Association of Conservation Agriculture (AMAC), and resource and technical partners invite you to the Third Africa Congress on Conservation Agriculture (3ACCA), in Rabat, Morocco, from **5 to 8 June 2023**.

The 3ACCA is in succession to the first and second African Congresses on Conservation Agriculture which took place, respectively, in 2014 in Lusaka (Zambia) and in 2018 in Johannesburg (South Africa).

The purpose of the 3ACCA is to enable experts, practitioners, and policy makers across different sectors and interest groups at all levels of agriculture development from the public, private and civil society sectors to share best practices, and exchange knowledge and information to expand the Africa-wide adoption of Conservation Agriculture (CA) and Sustainable Agricultural Mechanization (SAM) as the basis for building resilience to climate change amid the increasing food and energy prices and disruptions in agrifood systems.

## Theme of the 3ACCA

*Building a Resilient Future in Africa through Conservation Agriculture and Sustainable Mechanization*

## Sub-Themes

- Sub-Theme 1: Promoting CA and SAM **knowledge, research and innovation system management**
- Sub-Theme 2: Strengthening effective pan-African national and regional **networks, partnerships and cooperation** mechanisms
- Sub-Theme 3: Mobilizing “green” developmental **private sector investments** for prioritised CA and SAM for women and youth
- Sub-Theme 4: Enhancing public and private sector investments and the **creation of an enabling environment**

## Languages:

The hybrid, in-person and online event, will be held in English, French and Arabic

## Location:

Hassan II Agronomic and Veterinary Institute Rabat and Merchouch ICARDA/INRA station Morocco

## Dates:

5-8, June 2023

**Follow us** on Twitter at:

**#3ACCA** and **#africamechanize**



The 3ACCA is expected to come out with more effective and coherent action to help the most vulnerable populations in coping with the drastic hikes in food bills and negative impacts of climate change. The event will also assist the African countries with strategies to increase agricultural productivity as a central part in the implementation of the Malabo Declarations' Vision 25 x 25 and the Agenda 2063. In addition, the 3ACCA aims to consolidate the African position on CA and SAM and enhance the effective participation at the 9th World Congress on Conservation Agriculture (9WCCA) to be held in South Africa in July 2024. This will allow Africa to take stock of the status of CA on the continent, including Morocco's strategy of enabling the adoption of CA on one (1) million ha by 2030, and to report at the 9WCCA with more precise findings on the challenges to be overcome, the actions underway and on the CA support strategies to be adopted at national and regional levels.

The 3ACCA is designed to be inclusive and participatory, thus the six following elements will characterise the Congress process.

- i) Opening session with engagement of the national and international institutions
- ii) Special Farmers Session (Forum)
- iii) Seven (7) Plenary Sessions comprised of: High Level (Ministerial) panel discussion, Climate Smart Agriculture in Africa, CA and Carbon Farming Opportunities in Africa, CA in Research and Education in Africa, Sustainable Agricultural Mechanization in Africa (SAMA), and Investments in CA & SAM in Africa
- iv) Special meetings or side events around key issues/groupings, e.g. CA in Mediterranean Climate.
- v) Thematic parallel session for each of the four sub-themes (covering two sub-themes at a time). Relevant time (about 15 minutes) for oral presentation of each accepted condensed paper. An estimated 40-60 condensed papers will be presented.
- vi) Poster/video sessions in the second and third days of the congress.
- vii) The Awards and Cultural Evening, for informal exchanges amongst participants and to recognise the CA Champions across the continent with awards
- viii) Booths and Exhibitions of agricultural machinery and production inputs.
- ix) Field Visits to CA farmers, research trials and equipment manufacturers on the fourth day of the Congress.

The 3ACCA, with an estimated 600 participants, will be a hybrid event, combining in-person participation with virtual attendees and speakers participating via livestream. expected to come from more than 50 countries, constituted of Research institutions and Academia, Non-Governmental Organisations, Governments, Farmers and Farmer Organisations, Private sector, and Development Partners.

Key activities of the 3ACCA are summarized in the below tentative programme.



## Day 0

### Sunday

04 June 2023.

NB: All times are for Rabat Morocco, i.e. GMT + 1.

09:00-17:00 Arrival and registration of delegates and assigning exhibition booths by **Programme Director**.

## Day 1

### Monday

05 June 2023

07:30-09:30 Registration

09:30-11:00 **Opening session**

Moderator (Dr Faouzi Bekkaoui, INRA)

- Opening speech by Minister of Agriculture, Maritime Fisheries, Rural Development and Water and Forests, Morocco (HE Mohammed Sadiki).
- Addresses by VIPs:
  - ✓ Minister for Food and Agriculture Ghana (Virtual) (Hon. Bryan Acheampong (MP))
  - ✓ Commissioner AUC-ARBE (HE Amb. Josefa Sacko) (Jerome Afeikhena)
  - ✓ Global Director CGIAR (Martin Kropff)
- Inaugural Speech by FAO DDG (Ms Beth Bechdol).

11:30-13:00 **Plenary 1 - High Level Panel Discussion: Policy support for development finance and investments for a resilient future in Africa with CA and SAM.**

*Moderator:* Faouzi Bekkaoui (INRA).

*Congress objectives:* Saidi Mkomwa (ACT).

*Panellists:*

- Ms Beth Bechdol, FAO DDG
- Mr Martin Kropff, Global Director CGIAR
- Mr Samba Kante, Board Chair of the Agricultural Bank of Senegal
- Mr Jaouad Bahaji, DG Office National de Conseil Agricole, Morocco
- Ms Medrina Linda Mloza Banda, Principal Secretary (Technical Services), Ministry of Agriculture, Malawi
- Martin Bwalya, CA & CSA expert (ACT)

*Rapporteurs:* Josef Kienzle (FAO), Weldone Mutai (ACT), Tom Goddard (ICAAP-Africa).

**14:00-15:30 Plenary 2 – Farmers Forum: Scaling of CA & SAM by producers and service providers in Africa.**

*Moderator:* Edward Chuma (ACT Network):

*Panellists:* Kofi Boa (CNTA, Ghana); Brian Oldrive (Zimbabwe); Royd Michelo (Zambia); Hicham Daoui (AMAC, Morocco), Nawfel Roudies (UM6P, Morocco).

*Rapporteurs:* Collins Nkatiko (CFU Zambia), Hafiz Muminjanov (FAO) and Frew Berisso (CFGB, Ethiopia).

**16:00-17:00 Poster presentations. Coordinator:** Badre El Himdy (IAV Hassan II), El Hassane Bourarach (ACT/AMAC), Rachid Moussadek (INRA/ ICARDA), Hafiz Muminjanov (FAO).

<i>Poster Title</i>	<i>Presenter</i>
Short- medium and long-term impact of conservation agriculture on soil organic carbon	<b>Laghrou Malika</b> <i>National Institute of Agricultural Research (INRA), Morocco</i>
Root distribution pattern of some lentil and chickpea genotypes under conventional and no-tillage systems in a Moroccan dryland region	<b>Ouhemi Hanane</b> <i>National Institute of Agronomic Research, Regional Center of Settat, Morocco</i>
Compaction, bulk density and root distribution of different lentil and chickpea genotypes under no-tillage cropping system	<b>El Aissaoui Abdellah</b> <i>National Institute of Agronomic Research, Settat, Morocco</i>
Disease risk associated with subsidiary crops in different cropping systems and tillage strategies	<b>Sanae Krimi Bencheqroun</b> <i>Institut National de la Recherche Agronomique (INRA) B.P 589, Settat, Morocco</i>
Evaluation of tillage practices on selected soil chemical properties, maize yield and net return in O. R. Tambo District, South Africa	<b>Mxolisi Mtyobile</b> <i>Department of Rural Development and Agrarian Reform, Umtata, South Africa.</i>
Enhancing Pollinators and Sustainability through Conservation Agriculture	<b>Rachid Sabbahi</b> <i>Ibn Zohr University, Quartier 25 Mars, Laayoune, Morocco</i>
Agricultural costs saving with sustainable systems based on Conservation Agriculture in Western Europe	<b>Repullo-Ruibérriz de Torres, M.A</b> <i>European Conservation Agriculture Federation (ECAAF)</i>
Water productivity of lentil and chickpea genotypes under conventional and no-tillage systems	<b>Ouhemi Hanane</b> <i>National Institute of Agronomic Research, Regional Center of Settat, Morocco</i>
Potential Opportunities for Investment in Conservation Agriculture in Southern Africa	<b>Luchen Sina</b> <i>FAO Sub Regional Office for Southern Africa, South Africa and Zimbabwe</i>
Bread wheat and Durum wheat cultivars that best suit No-till System in Morocco	<b>Ramdani Abdelhamid</b> <i>National Institute of Agricultural Research (INRA), Morocco</i>
The benefits of adopting no-tillage agriculture on sediment loss in northern Morocco	<b>El Harche Sanae</b> <i>Agronomy et Veterinary Institute, (IAV Hassan II), Morocco</i>
The impact of incentives on the diffusion of conservation agriculture in Africa	<b>Imane El Bakali</b> <i>Agronomy et Veterinary Institute, (IAV Hassan II), Morocco</i>
Bacterial community evaluation under short-term Conservation Agriculture in Central Morocco	<b>Iben halima Oumaima</b> <i>National Institute of Agricultural Research (INRA), Morocco</i>
Effect of two types of tillage (Reduced tillage and conventional tillage) on the physical and biological soil indicators at El Koudia experiment site	<b>Elmouridi Zineb</b> <i>National Institute of Agricultural Research (INRA), Morocco</i>

**Side Event 1:** Promoting sustainable food systems through CA: evidence from the field (IFAD)

*Conveners:* Putso Nyathi (IFAD) and Dan Higgins (IFAD)

*Panellists:* Melkie Fenta (Ethiopia), Kefasi Kamoyo (Malawi), Mary Muteti (Kenya), Jimmy Mweri (FAO), Charles Kibiru (Ikonic Agricultural Machinery), Sebastien Subsol (AFD).

*Rapporteurs:* Silvia (PMI)

17:00-19:00 **Parallel side event sessions**

**Side Event 2:** New Initiatives to promote CA in Africa

*Convener:* Rachid Moussadek (ICARDA)

*General session speaker:* O. Ortiz (One CGIAR)

*Panellists:* EiA-CA Morocco (R. Moussadek & M. Devkota), CWANA-F2R (M. Baum), ClimBer (A. Govind), C. Thierfelder (CIMMYT), M.Nkomo (EiA), Remi Trier (WB)

*Rapporteurs:* K. Devkota and Y. Yigezu (ICARDA).

**Side Event 3:** *Conservation Agriculture in Mediterranean projects* (CAMA, 4CEMED, ConServeTerra, React4Med) presentations 7 minutes each [30min]

*Convener:* Michele Rinaldi (CREA)

*Moderator:* Harun Cicek (FiBL)

*Panel discussion topics:*

- (i) Success stories from MED Farmers: Emilio Gonzalez (Spain); François Mandin (France); Abdelhakim Mohsine (AMAC) (Morocco) (45min)
- (ii) Technical, cultural and political constraints to adoption of Conservation Agriculture (45min).

*Panelists:* F. Mandin (APAD), R. Mrabet (INRA) and H. Cheikh M'Hamed (INRAT)

*Rapporteurs:* M. Elmourid (Agenda) and A. Zouahri (INRA)

**Day 2**

**Tuesday**

**06 June 2023**

08:30-10:00

**Plenary 3 – Panel Discussion:** *Expanding CA-based Climate Smart Agriculture in Africa.*

*Convener and Moderator:* Rachid Mrabet (INRA, Morocco).

*Panellists:* Pandi Zdruli (CIHEAM-Bari, Italy); Sieg Snapp (CIMMYT); M L Jat (ICRISAT); Robert Zougmore (Alliance Bioversity-CIAT)

*Rapporteurs:* Lewis Hove (FAO), Lindah Muzangwa (North-West University, SA), Susan Mbacho (SUA).

10:00-11:00

**Plenary 4 – Panel Discussion: CA for Carbon Farming in Africa.**

*Convener & Moderator:* Rachid Moussadek (ICARDA/INRA, Morocco).

*Panellists:* Gottlieb Basch (ECAAF), Tom Goddard (ICAAP-Africa), Faissal Sehbaoui (UM6P), Riad Balaghi (AAA) and Liudmila Orlova (NMCA Russia).

*Rapporteurs:* H. Boulal (APNI), Elhabib Elmostafa (UM6P), and M. Boughlala (INRA)

11:30-13:00

**Parallel sessions Sub-theme 1 and 2**

**Subtheme 1:** *Promoting CA and SAM knowledge, research and innovation system management.*

*Keynote speaker:* Christian Thierfelder (CIMMYT),

*Session Chair:* Tom Goddard (ICAAP-Africa); Co-Chair - Rondromalala Andriamady (Madagascar).

*Rapporteurs:* Mohamed Chikhaoui (IAV), Imane T. Alami (INRA), Godfrey Omulo (Hohenheim University).

*Oral paper presentations:*

<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
12:00-12:10	Conservation Agriculture in the Semi-Arid Region of Morocco: Effect of Tillage Systems on Soil Physical Properties	<b>Abdelali Elmekkaoui</b> <i>National Institute of Agricultural Research, Rabat 10090, Morocco</i>
12:10-12:20	Conservation Agriculture to Rebuilt Soil Fertility in Northern Tunisia	<b>Mohamed Annabi</b> <i>National Institute of Agric. Research of Tunisia (INRAT)</i>
12:20-12:30	Comparative study of the effect of tillage and nitrogen fertilization under semi-arid conditions on soil properties and productivity of durum wheat	<b>Maher Hassnae</b> <i>Mohammed V University in Rabat</i>
12:30-12:40	Mise en évidence de l'apport de Matière organique racinaire par la méthode du prélèvement global sous un sol de couverture végétale permanente à base de Brachiaria dans le Centre Est du Sénégal	<b>Demba Diakhate</b> <i>Institut Sénégalais de Recherches Agricoles (ISRA), Senegal</i>
12:40-12:50	Mother-baby trial: a practical design of experiments for on-farm conservation agriculture research and extension	<b>Ahmed Douaik</b> <i>National Institute of Agricultural Research, Rabat, Morocco</i>
12:50-13:00	Effet de différentes techniques d'installation du colza sur sa levée et sa productivité dans le Sais	<b>Raid EL Mehdi</b> <i>Ecole Nationale d'Agriculture de Meknès.</i>
13:00	PANEL DISCUSSION (CARRIED FORWARD)	SESSION CHAIR



**Subtheme 2: Strengthening effective pan-African national and regional networks, partnerships and cooperation mechanisms.**

*Keynote speaker:* Saidi Mkomwa (ACT);

*Session Chair:* Rafael Fuentes (IAPAR); Co-Chair - Valentine Fombin (Cameroon).

*Rapporteurs:* Emilio Gonzalez (ECAAF); Nomathemba Mhlanga (FAO), Theresa R Mulaire (CFGB).

*Oral paper presentations:*

<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
11:55-12:10	Birth and Development of the Happy Seeder	<b>John Blackwell</b> <i>Charles Sturt University in Australia</i>
12:10-12:20	No-Till System Sustainability Achieved in South western Paraná, Brazil: lessons learnt for scaling CA in Africa	<b>Ademir Calegari</b> <i>IAPAR Agricultural</i>
12:20-12:30	Using Participatory Extension Approaches for sustained adoption of Conservation Agriculture – PEA4CA	<b>Klaus Droppelmann</b> <i>PICOTEAM Ltd., UK, Germany &amp; Southern Africa</i>
12:30-12:40	Perceptions of Stakeholders on No Tillage as an Effective Climate Change Adaptation	<b>Emirjona Kertolli</b> <i>CIHEAM-IAMM, UMR MoISA, Montpellier, France</i>
12:40-12:50	The adoption and impact of Conservation Agriculture farming through Land-Care Programme in rural small-scale farmers of OR Tambo District South Africa	<b>Ngeletshedzo Makhaga</b> <i>Department of Rural Development and Agrarian Reform, South Africa.</i>
12:50-13:00	Perceptions of Smallholder Farmers of Conservation Agriculture Adoption in Lesotho: Adopters and Non-Adopters	<b>Brian Muroyiwa</b> <i>National University of Lesotho</i>
13:00	PANEL DISCUSSION (CARRIED FORWARD)	SESSION CHAIR

**14:00-16:00**

**Subtheme 1 (continued):**

*Session Chair:* Joseph Mureithi (ACT); *Co-Chair:* Abdul Rahman Kamara (Sierra Leone).

*Rapporteurs:* Hatem C. M'hamed (INRA, Tunisia), Johann Strauss (Cape Province, SA), Hamisi Dulla (ACT)

*Oral paper presentations:*



<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
14:00-14:10	Comparison of mechanized Conservation Agriculture and conventional disc-harrowing based on a three-year on-farm experiment in Zambia	<b>Godfrey Omulo</b> <i>University of Hohenheim, Stuttgart, Germany</i>
14:10-14:20	Conservation tillage effects on the yield of improved Shallot variety at Haramaya and Dire Dawa, Ethiopia	<b>Tigist Kibru</b> <i>Mekelle University, Ethiopia</i>
14:20-14:30	Application of electromagnetic induction (EM38) to evaluate compaction of tilled and no-tilled vertisols	<b>EL Khalfi Chaima</b> <i>National Institute of Agric. Research (INRA), Morocco</i>
14:30-14:40	Effect of different stubble management options on agro-physiological performances of durum wheat and soil health for better crop-livestock integration under conservation agriculture systems in Semi-arid region of Tunisia	<b>Hatem Cheikh Mhamed</b> <i>National Institute of Agricultural Research of Tunisia-INRAT, University of Carthage, Tunis, Tunisia</i>
14:40–14:50	Sustainable Weed Management in No-Till Chickpea and Lentil Farming in Morocco's Semi-Arid Regions	<b>Ei Hocine Hirich</b> <i>National Institute of Agric. Research (INRA), Morocco</i>
14:50-15:00	The effect of conservation agriculture on earthworm population in a wheat-based cropping system in Morocco	<b>Zhor Abail</b> <i>National Institute for Agronomic Research, Morocco.</i>
15:00-15:10	Integrated weed management in conservation agriculture in Morocco	<b>Badr Hajjaj</b> <i>National Institute of Agric. Research (INRA), Morocco</i>
15:10-15:20	Tillage and Crop Rotation Effects on Selected Soil Chemical Properties and Wheat Yield in an Oakleaf Soil Form in the Eastern Cape, South Africa	<b>Mxolisi Mtyobile</b> <i>Department of Rural Development and Agrarian Reform, South Africa</i>
15:20–15:30	Soil organic carbon from farmers' Conservation Agriculture systems in Ottosdal and Ladybrand areas of South Africa	<b>Lindah Muzangwa</b> <i>University of North-West, Potchefstroom campus, South Africa</i>
15:30-15:40	Effets de différentes techniques d'installation du colza en modes semis direct et conventionnel sur la levée et la densité des adventices dans le Saïs	<b>Ramdaoui Yassine</b> <i>National Institute of Agric. Research, Morocco</i>
15:40-16:00	PANEL DISCUSSION	SESSION CHAIR

**Subtheme 2 (continued):**

*Session Chair:* Jerome Afeikhena (AUC). Co-chair: Bereket Forsido (Ethiopia).

*Rapporteurs:* Joseph Mpagalile (FAO); Samba Kante (Senegal), Eletina Lungu (Zambia)

*Oral paper presentations:*



<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
14:00-14:10	Potential opportunities for investments in Conservation Agriculture in Southern Africa	<b>Sina Luchen</b> <i>FAO, Sub-regional Office for Southern Africa, Harare, Zimbabwe</i>
14:10-14:20	Effectiveness of CA Master Trainers Training Approach in Ethiopia	<b>Mennamo Sahlemariam</b> <i>Canadian Foodgrains Bank/FH, Ethiopia</i>
14:20-14:30	Building Networks and Partnerships for effective knowledge sharing and promotion of Conservation Agriculture – The case of CA Hub-Kenya	<b>Boaz Waswa</b> <i>Alliance of Bioversity International and CIAT</i>
14:30-14:40	Master training series and spread of conservation agriculture in Rwanda	<b>Jean Twilingiyumukiza</b> <i>Canadian Foodgrains Bank /Tearfund, Kigali, Rwanda</i>
14:40–14:50	The Maresha planter: Merging ancient and modern technology to upscale conservation agriculture adoption	<b>Neil Rowe-Miller</b> <i>Canadian Foodgrains Bank/ Tearfund, Arusha, Tanzania</i>
14:50-15:00	Assessing the performance of Soil-Water Conservation Technologies (SWCTs) based on conservation agriculture: Building scenarios using the RUSLE model coupled to GIS tools	<b>Bahri Haithem</b> <i>National Research Institute of Rural Engineering, Water and Forests (INRGREF), Tunisia</i>
15:00-15:10	Investigating the productivity of annual forage legume and cereal mixtures under Conservation Agriculture in the Meknes region (Morocco)	<b>Massamba Diop</b> <i>Mohammed VI Polytechnic University, Agricultural Innovation and Technology Transfer Center (AITTC), Benguerir, Morocco</i>
15:10-15:20	The performance of different wheat varieties in no tillage system in semi-arid area, Morocco.	<b>Kadiri K. Hassani</b> <i>Ibn Tofail University, Kénitra, Morocco</i>
15:20–15:30	Importance of cereal variety choice for No-Till system in Morocco	<b>Amamou Ali</b> <i>Institut National de la Recherche Agronomique. Av. Ennasr Rabat, Maroc Morocco</i>
15:30–15:40	Investigate the production of annual forage legumes, including cereals, and their mixture under CA.	<b>Imane Amghar</b> <i>Hassan II Agronomic and Veterinary Institute Rabat</i>
15:40-16:00	PANEL DISCUSSION	SESSION CHAIR

16:30-18:00

**Plenary 5 – Panel Discussion: Strengthening CA Research and Education in Africa**

*Conveners: Rachid Moussadek & Mohamed Chikhaoui (INRA/IAV/ICARDA)*

*Moderator: Faouzi Bekkaoui(INRA)*

*Panellists: Michael Baum (ICARDA), Bruno Gerard (UM6P), Henry Mloza-Banda (ICAAP Africa), John Laborde (RICA), Patrick Okori (RUFORUM) and Rachid Bouabid (ENAM).*

*Rapporteurs. Badr El Himdy (IAV), Abdellah Aboudrare (ENAM) and Baqir Lalani (UK)*

18:00-21:00

Awards, Gala Dinner and Cultural Evening

**Day 3****Wednesday****07 June 2023**

08:30-11:00

**Parallel Sessions Sub-theme 3 and 4.**

**Subtheme 3:** *Mobilizing “green” developmental public and private sector investments for prioritised CA and SAM for women and youth;*

*Keynote speaker:* Rachid Moussadek (INRA/ICARDA)

*Session Chair:* Klaas Mampholo (DAAF SA); *Co-chair:* Richard Kanui (Kenya). *Rapporteurs:* M. Boughlala (INRA) and Kofi Boa (CNTA), Meaza Melkamu (Ethiopia).

*Oral paper presentations:*

<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
09:00-09:10	Conservation agriculture based sustainable intensification platforms for Africa	<b>John Dixon</b> <i>University of Queensland, Australia</i>
09:10-09:20	Improving adoption of conservation agriculture in maize production through a better understanding of factors affecting adoption in the semi-arid region of Eastern Rwanda	<b>Petronille Dusingizimana</b> <i>Universite Felx Houphouet Boigny Ivory Coast</i>
09:20-09:30	Local needs for Mechanized Conservation Agriculture (MCA): The Centre for No-Till Agriculture's (CNTA) experience with the application of CA implements.	<b>Kofi Boa</b> <i>Centre for No-Till Agriculture's (CNTA), Ghana</i>
09:30-09:40	Women and Conservation Agriculture: a win-win Relationship	<b>Agüera-de Pablo Blanco, B</b> <i>European Conservation Agriculture Federation (ECAAF), Brussels, Belgium</i>
09:40-09:50	An approach for scaling conservation agriculture based sustainable intensification across heterogenous farming systems in Ethiopia	<b>Tesfaye Kindie</b> <i>CIMMYT, Ethiopia</i>
09:50-10:00	Could the Introduction of Cover Crop provide Ecosystem Services? Case of a Mediterranean Citrus Orchard	<b>Temani Fida</b> <i>National research institute of rural engineering, water and forestry, Ariana, Tunisia</i>
10:00-10:10	Enhancing Conservation agriculture through various agroforestry woody species densities and zaï technique for improved soil fertility in Burkina Faso'northern sudanian	<b>Gnissien Moussa</b> <i>Université Nazi BONI, Burkina Fasso</i>
10:10-10:20	Directions for Investments in Sustainable Agricultural Mechanization: a review of agriculture and mechanization sub-sectors in Cameroon	<b>Valentine Aziawung Fombin</b> <i>Ministry of Agriculture and Rural Development, Cameroon</i>
10:20-10:30	Carbon footprint and cost of pumping water using photovoltaic and fossil energies	<b>Laaroussi Karima</b> <i>National Institute of Agronomic Research, Settat, Morocco.</i>
10:30-10:40	Carbon footprint budget of no-till practice and challenge for sequestering more carbon in dry land context of Morocco	<b>EL Khalfi Chaima</b> <i>National Institute of Agronomic Research, Morocco</i>
10:40-11:00	PANEL DISCUSSION	SESSION CHAIR

**Subtheme 4: Enhancing public and private sector investments and the creation of an enabling environment;**

*Keynote speaker:* Martin Bwalya (ACT).

*Session Chair:* Theodor Friedrich (Consultant), Co-chair: Valere Nzeyimana (FAO).

*Rapporteurs:* Mina Devkota (ICARDA), Mloza Banda (ICAAP-Africa), Oussama El Gharras (Agenda NGO).

*Oral paper presentations:*

<i>Rabat Time</i>	<i>Paper Title</i>	<i>Presenter</i>
09:00-09:10	Pathways for sustainable agriculture intensification in East and Southern Africa	<b>Putso Nyathi</b> <i>IFAD, Kenya</i>
09:10-09:20	Adoption of conservation agriculture in South Africa – accurate assessment data for insights towards a comprehensive support strategy	<b>Hendrik Smith</b> <i>ASSET Research, Pretoria, South Africa</i>
09:20-09:30	The Rwanda Institute for Conservation Agriculture Innovative, Experiential Education for A Sustainable Future	<b>Richard Ferguson</b> <i>Rwanda Institute for Conservation Agriculture, Gashora, Bugesera, Rwanda</i>
09:30-09:40	The role of Conservation Agriculture to achieve the Green Deal in Europe	<b>Julio Román-Vázquez</b> <i>European Conservation Agriculture Federation (ECAAF), Brussels, Belgium</i>
09:40-09:50	Integrated policy needs of nations – can CA help?	<b>Tom Goddard</b> <i>ICAAP Africa/Alberta Canada</i>
09:50-10:00	Adoption and Practice of Conservation Agriculture (CA) and CA-Based Mechanization in Selected Counties in Kenya	<b>Boaz Waswa</b> <i>Alliance of Bioversity International and CIAT</i>
10:00-10:10	Investment Brief: Directions for Investment in Sustainable Agricultural Mechanization in Nigeria	<b>Abdullahi Garba Abubakar</b> <i>Federal Ministry of Agriculture and Rural Development</i>
10:10-10:20	Le Retour d'Expérience de l'Adoption très lente de l'Agriculture de Conservation (AC) en Europe peut-il aider les Agriculteurs Africains à éviter les mêmes Erreurs ?	<b>Gerard Rass</b> <i>APAD General Secretary, 20 Rue Théodore Botrel 35550 Pipriac France</i>
10:20-10:30	APAD- projet Label Bas Carbone (France): retour d'expériences d'une association d'agriculteurs	<b>Masure Diane</b> <i>Agricultrice en France, vice-président APAD</i>
10:30-11:00	PANEL DISCUSSION	SESSION CHAIR

11:30-13:00

**Plenary 6 – Panel Discussion: Sustainable Agricultural Mechanization in Africa (SAMA)**

*Convener:* Geoffrey Mrema (SUA). *Moderator:* TBD.

*Panellists:* Mataba Tapela (U of Gaborone), Joseph Mpagalile (FAO), Andriamady Rondromalala (Madagascar), Josef Kienzle (FAO, Rome), Jerome Afeikhena (AUC).

*Rapporteurs:* Karim Houmy (FAO), Mathias Fonteh (Cameroon) and Abdelmalek Zirari (INRA).

14:00-15:30

**Plenary 7 – Panel Discussion: Investments in CA & SAM in Africa**

*Convener:* Martin Bwalya (ACT). *Co-chair:* Samba Kante (Senegal).

*Panellists:* Mohamed Manssouri (FAO CFID), Chakib Jenane (WB); Abdullahi G. Abubakar (Nigeria), Meryem Dkhil (Credit Agricole Bank Morocco) and Saidi Mkomwa (ACT).

*Rapporteurs:* Marius Aina (Benin), Putso Nyathi (IFAD) and Hendrik Smith (SA)

16:00-17:30

**Closing session**

- Announcements on field site visits. (INRA/ONCA/ICARDA/ Almoutmir)
- Awards for best oral and poster presentations (Joseph Mureithi, ACT Board)
- Presentation of the 3ACCA Rabat Declaration (AUC/ INRA/ ICARDA)
- Feedback on the 3ACCA. (El Hassane Bourarach -3ACCA Secretariat)
- Closing remarks - Mohamed Manssouri (FAO CFID)
- Vote of Thanks – Hafiz Muminjanov (on behalf of participants) and Saidi Mkomwa (on behalf of the organizers)

Day 4

Thursday

08 June 2023

08:30-17:00

**Field Day** Rachid Moussadek (INRA/ ICARDA)

- Visits to Long term CA trials in Merchouch INRA/ICARDA at the Experimental Station (1h from Rabat) (with the support of ONCA, AMAC and UM6P/AI Moutmir);
- Three (3) on-farm CA trials under cereal based systems;
- CA practicing farmers and equipment manufacturers.

## Congress Scientific and Technical Committee

Name	Institution	Base
Amir Kassam, <b>Chair</b>	ICAAP-Africa	London UK
Rachid Moussadek, <b>Vice-Chair</b>	ICARDA-INRA	Rabat
Saidi Mkomwa, <b>Secretary</b>	ACT Network	Nairobi
Mathew Abang	FAO	Harare
Aboudrare Abdellah	ENAM	Meknès
Juliana Albertengo	GAP	Santa Fe, Argentina
Imane Thami Alami	INRA	Rabat
Jorge Alvaro-Fuente	CSIC, Spain	
Abdelouahed Al Balghiti	INRA	Rabat
H. R. Mloza-Banda	Swaziland University	Manzini, Swaziland
Riad Balaghi	AAA	Rabat
Stephen Boulakia	CIRAD	Colombia
Gottlieb Basch	University of Evora	Evora, Portugal
Richard Bell	Murdoch University	Perth
Kofi Boa	CNTA	Amanchia
Ademir Calegari	IAPAR	Brazil
Carlo Cantero-Martinez	University of Lleida	Spain
Mohamed Chikhaoui	IAV Hassan II	Rabat
Harun Cicek	FIBL	Switzerland
Jill Clapperton	Rhizoterra Inc.	Lethbridge
Sandra Corsi	FAO	Rome
Mina Devkota	ICARDA	Rabat
John Dixon	John Dixon	Sydney
Sjoerd Duiker	Pennsylvania SU	Pennsylvania
Richard Findlay	KwaZulu Natal NT	Johannes burgh
Theodor Friedrich	Private Sector	Germany
Rafael Fuentes	IAPAR	Parana Brazil
Bruno Gerard	UM6P	Bengeurir

Name	Institution	Base
Ayub N. Gitau	University of Nairobi	Nairobi
Tom Goddard	Consultant	Edmonton, Canada
Emilio Gonzalez-Sanchez	ECAF	Cordoba, Spain
Atef Haddad	Consultant	Syria
Enamul Haque	Murdoch University	Dhaka Bangladesh
Li Hongwen	CCTR	Beijing
Karim Houmy	FAO	Morocco
Olivier Husson	CIRAD	Montpellier
Irene Kadzere	FIBL	Switzerland
Josef Kienzle	FAO	Rome
Niéyidouba Lamien	CORAF-WAAP	Dakar
Sepo Marongwe	Consultant	Harare
Jeremias Mowo	Private Sector	Arusha
Joseph Mpagalile	FAO	Rome
Rachid Mrabet	INERA/ICARDA	Rabat
Geoffrey Mrema	Sokoine University	Morogoro
Hafiz Muminjanov	FAO	Rome
Joseph Mureithi	ACT	Nairobi Kenya
Roberto Peiretti	Farmer	Argentina
Michele Pisante	Teramo University	Italy
Michele Rinaldi	CREA, Italy	Research
Harminder Singh Sidhu	Punjab University	Ludhiana
Brian Sims	Consultant	Reading
Hendrik Smith	Consultant	Johannesburg
Wolfgang Sturny	Swiss No-Till	Switzerland
Christian Thierfelder	CIMMYT	Harare
Enock Warinda	ASARECA	Entebbe
Abdelmalek Zirari	INRA	Rabat
Robert Zougmore	ICRISAT	Bamako

## National Congress Organising Committee

Name	Institution	Role
Bekkaoui Faouzi	National Institute for Agronomic Research, Morocco (INRA)	<b>Chair</b>
ElHassane Bourarach	ACT Network	<b>Secretary</b>
Aboudrare Abdellah	ENAM	Member
Mohamed Chikhaoui	IAV Hassan II	Member
Thamialami Imane	INRA	Member
Badre El Himdy	IAV Hassan II	Member
Nezha Mouchfi	INRA	Member
Abdelhakim Mohsine	AMAC	Member
Rachid Moussadek	INRA-ICARDA	Member
Abdelaziz Yasri	INRA	Member
Otman Sebbata	INRA	Member
Reddad Tirazi	INRA	Member

3ACCA Secretariat  
African Conservation Tillage Network  
P.O Box 10375, 00100 Nairobi, Kenya.  
KALRO - KABETE, Waiyaki Way.  
Website: <https://africacacongress.org>  
Email: [cacongress@act-africa.org](mailto:cacongress@act-africa.org)

