



8<sup>th</sup> World Congress on  
**Conservation  
Agriculture**

**CONGRESS  
PROGRAMME**

***The future of farming***

*Profitable and Sustainable Farming  
with Conservation Agriculture*



**Online Congress, Bern, Switzerland**

*June 21<sup>st</sup> - 23<sup>rd</sup>, 2021*

**Field Days, Witzwil, Bern**

*June 24<sup>th</sup> & 25<sup>th</sup>, 2021*



PLENARY

08:00-09:00	Welcome to the Virtual Congress Platform
09:00-11:00	<p><b>OPENING SESSION</b></p> <p><b>Chair:</b> <b>Gottlieb Basch</b>, President, European Conservation Agriculture Federation <b>Vice-chair:</b> <b>Reto Minder</b>, President, Swiss No-Till <b>Moderator:</b> Dave Keating</p> <p><b>Welcome address and opening remarks by Qu Dongyu</b>, FAO Director General</p> <p><b>Welcome addresses by the European Commission and Parliament and the Swiss Government:</b></p> <p><b>Janusz Wojciechowski</b>, Commissioner for Agriculture, EU <b>Virginijus Sinkevičius</b>, Commissioner for Environment, Oceans and Fisheries, EU <b>Norbert Lins</b>, Chair, Agriculture and Rural Development Committee, European Parliament <b>Christoph Ammann</b>, Member of the Government of the Canton of Bern and Minister for Economic Affairs, Energy and the Environment <b>Christian Hofer</b>, Director, Swiss Federal Office for Agriculture</p> <p><b>Welcome addresses by development partners:</b></p> <p><b>Jo Puri</b>, International Fund for Agricultural Development (IFAD) <b>Martien Van Nieuwkoop</b>, World Bank <b>Qingfeng Zhang</b>, Asian Development Bank <b>Abdalah Mokssit</b>, Intergovernmental Panel on Climate Change <b>Martin Kropff</b>, Director General, International Maize and Wheat Improvement Center (CIMMYT) <b>Mary Boote</b>, Global Farmer Network</p>
11:00-11:30	<p><b>INAUGURAL SPEECH</b> <b>BENEFITS OF CA FOR FARMERS, SOCIETY AND ENVIRONMENT</b> <b>Amir Kassam</b>, Moderator, Global CA Community of Practice (CA-CoP)</p>
11:30-11:45	<b>COFFEE BREAK</b>
11:45-13:00	<p><b>Farmers’ Role in Mainstreaming CA Worldwide</b> Yuting Pan, China Sarah Singla, France Kofi Boa, Ghana Roberto Peiretti, Argentina PANEL DISCUSSION, Q&amp;A Rapporteurs: Richard Bell and Sandra Corsi</p>
13:00-14:00	<b>LUNCH</b>
14:00-15:15	<p><b>Private Sector Innovations &amp; Engagement for CA Development</b> Klaus Kunz, Head of Sustainability &amp; Business Stewardship, Bayer Jerome Bandry, CEMA Secretary General (European Agricultural Machinery Industry Association) Juan González Valero, Head Sustainable and Responsible Business, Syngenta Group Anke Kwast, Vice President Climate Neutral Roadmap &amp; Business Support, Yara International PANEL DISCUSSION, Q&amp;A Rapporteurs: Terry Wiles and Peter Hobbs</p>
15:15-16:30	<p><b>Enabling Role of Public Institutions for CA Development</b> Martin Bwalya, New Partnership for Africa’s Development, African Union Li Hongwen, Conservation Tillage Research Centre, China Herman Rosa, Ex-minister, El Salvador Tassos Haniotis, European Commission, DG Agri PANEL DISCUSSION, Q&amp;A Rapporteurs: Bram Govaerts and Patrick Wall</p>
16:30-16:45	<b>COFFEE BREAK</b>
16:45-18:00	<p><b>Civil Society Contributions to Scaling CA</b> Michael Doane, The Nature Conservancy Paul Hicks, Catholic Relief Services Paul Wagstaff, Self-Help Africa David Traynor, Concern Worldwide PANEL DISCUSSION, Q&amp;A Rapporteurs: Baqir Lalani and Sjoerd Duiker</p>
18:00-18:30	<b>BREAK</b>
18:30-20:00	<b>Social: Reception / Remembrance / Awards / Biodiversity Performance</b>

PARALLEL

ROOM NO-TILL

ROOM SOIL COVER

09:00-11:00

09:00-09:30	<b>KEYNOTE SPEECH: AMIR KASSAM</b>  <b>SUB-THEME 1:</b> <b>Successful experiences and learnings from Conservation Agriculture worldwide</b>  <b>Chair: Jana Epperlein</b> <b>Rapporteur: Theodor Friedrich</b>
09:30-09:40	<i>Conservation Agriculture in Eurasia</i> <b>Hafiz Muminjanov</b> FAO, Rome
09:40-09:50	<i>Results of field trials on Conservation Agriculture in Lebanon</i> <b>Jouni Kassem</b> World Food Programme, Lebanon
09:50-10:00	<i>Catalysing Conservation Agriculture uptake in the Eastern Gangetic Plains of South Asia</i> <b>Brendan Brown</b> International Maize and Wheat Improvement Centre (CIMMYT), Nepal
10:00-10:10	<i>Scaling out of Conservation Agriculture for smallholders: lessons learnt</i> <b>Md. Enamul Haque</b> Murdoch University, Australia
10:10-10:20	<i>A role of Conservation Agriculture practices under salt affected regions of Uzbekistan</i> <b>Rukhangiz Nurbekova</b> Tashkent State Agrarian University, Uzbekistan
10:20-10:30	<i>Conservation Agriculture for rice-based intensive cropping on smallholder farms in South Asia</i> <b>Richard Bell</b> Murdoch University, Australia
10:30-10:40	<i>Tailoring the development and promotion of Conservation Agriculture to the unique characteristics of the smallholder farmer for enhanced adoption</i> <b>Francis Boa-Amponsem</b> Howard G. Buffett Foundation Center for No-Till Agriculture, Ghana
10:40-11:00	PANEL DISCUSSION

09:00-09:30	<b>KEYNOTE SPEECH: TOM GODDARD</b>  <b>SESSION SUB-THEME 3:</b> <b>Mainstreaming of CA with national policy and institutional support and for global governance to support national and international needs and commitments</b>  <b>Chair: Li Hongwen</b> <b>Rapporteur: He Jin</b>
09:30-09:40	<i>No-till in Conservation Agriculture: challenges and opportunities</i> <b>yash Dang</b> University of Queensland, Australia
09:40-09:50	<i>Initiatives and experiences of Conservation Agriculture in Nepal</i> <b>Tika Bahadur Karki</b> Nepal Agricultural Research Council, Nepal
09:50-10:00	<i>Conservation Agriculture in Southeast Asia – a case study from Timor-Leste</i> <b>Yuji Nino</b> FAO, Thailand
10:00-10:10	<i>Arise african agriculture</i> <b>Bill Crabtree</b> Crabtree Agricultural Consulting, Australia
10:10-10:20	<i>The role of Conservation Agriculture in the European Common Agriculture Policy</i> <b>Gottlieb Basch</b> University of Evora, Portugal
10:20-10:30	<i>Proposal of CA as a stand-alone action within the Slovenian rural development plan in 2021-2027</i> <b>Rok Mihelic</b> Slovenian Association for Conservation Agriculture, Slovenia
10:30-11:00	PANNEL DISCUSSION

11:00-11:15

COFFEE BREAK



PARALLEL

ROOM NO-TILL

11:15-13:00

SUB-THEME 1:  
Successful experiences and learnings  
from Conservation Agriculture  
worldwide

Chair: Olivier Husson  
Rapporteur: Stephane Boulakia

- 11:15-11:25

*A systems approach to mainstream Conservation Agriculture in South Africa*  
**Hendrik Smith**  
ASSET Research, South Africa
- 11:25-11:35

*The adoption and spread of Conservation Agriculture in China*  
**Li Hongwen**  
China Agricultural University, China
- 11:35-11:45

*25 years of « Oberacker » for a climate-friendly and soil-conserving agriculture of the future*  
**Wolfgang G. Sturny**  
Swiss No-Till, Switzerland
- 11:45-11:55

*Long-term tillage effects on crop yields in a temperate humid climate*  
**Sjoerd Duiker**  
Penn State University, United States
- 11:55-12:05

*Conservation Agriculture in Central America and Peru*  
**Jose Benites**  
Independent Consultant, Peru
- 12:05-12:15

*Current status of no-tillage adoption in Brazil*  
**Thadeu Rodrigues Melo**  
Agronomic Institute of Paraná, Brazil
- 12:15-12:25

*Lessons learned from two long-term Conservation Agriculture experiments in Brazil and USA regarding soil functionality*  
**Telmo Amado**  
Federal University of Santa Maria, Brazil
- 12:25-13:00

PANEL DISCUSSION

ROOM SOIL COVER

SESSION SUB-THEME 3:  
Mainstreaming of CA with national  
policy and institutional support and  
for global governance to support  
national and international needs and  
commitments

Chair: Michele Pisante  
Rapporteur: John Geraghty

- 11:15-11:25

*Sustainable use of glyphosate in Conservation Agriculture*  
**Emilio González-Sánchez**  
University of Cordoba, Spain
- 11:25-11:35

*Capacity development of agricultural mechanization hire service providers: opportunities for promoting Conservation Agriculture*  
**Karim Houmy**  
FAO, Morocco
- 11:35-11:45

*LIFE Agromitiga: development of climate change mitigation strategies through carbon-smart agriculture*  
**Óscar Veroz-González**  
Spanish Association of Conservation Agriculture Living Soils (AEACSV), Spain
- 11:45-11:55

*Multi-pronged theory of change drives successful Conservation Agriculture systems*  
**Beth Sauerhaft**  
American Farmland Trust, USA
- 11:55-12:05

*Conservation Agriculture in Brazil: a comparison of no-tillage adoption between the South and Central-West regions according to classes of farm holdings size based on the 2017 Agricultural Census*  
**Tiago Pellini**  
IAPAR-EMATER, Brazil
- 12:05-12:15

*How will new agriculture technologies impact the future of CA?*  
**Scott Day**  
Fall Line Capital, USA
- 12:15-12:25

*The 4CE-MED project - Camelina: a cash cover crop enhancing water and soil conservation in Mediterranean dry-farming systems*  
**Sara Berzuini**  
University of Bologna, Italy
- 12:25-13:00

PANNEL DISCUSSION

13:00-14:00 LUNCH

14:00-15:30

PLENARY

Carbon Services and Market Opportunities through CA

- Counting carbon, **Dr Brian McConkey**, Chief Scientist, Viresco Solutions
- Packaging emission reductions, **Karen Haugen-Kozyra**, President, Viresco Solutions
- Carbon and ecosystem services markets for agriculture: supply and demand, **Debbie Reed**, Executive Director, Ecosystem Services Market Consortium
- Making better policy, structures, markets, **Katie Sullivan**, Managing Director, International Emissions Trading Association

Rapporteurs: Andrew Bennett and Weldone Mutai

15:30-15:45

COFFEE BREAK

PARALLEL

ROOM NO-TILL

ROOM SOIL COVER

15:45-18:00

15:45-16:15	<b>KEYNOTE SPEECH: DON REICOSKY</b>  <b>SUB-THEME 2:</b> <b>Farm and ecosystem level benefits of CA systems to farmers, society and environment</b>  <b>Chair: Gabriela Cruz</b> <b>Rapporteur: Rok Mihelič</b>	15:45-16:15	<b>KEYNOTE SPEECH: RACHID MRABET</b>  <b>SESSION SUB-THEME 4:</b> <b>Promoting CA-based knowledge and innovation systems and information sharing and communication</b>  <b>Chair: Hafiz Muminjanov</b> <b>Rapporteur: Turi Fileccia</b>
16:15-16:25	<i>Economy and biodiversity in Conservation Agriculture compared to conventional farming</i> <b>Ilsoe Søren</b> Agrov, Denmark	16:15-16:25	<i>Next steps for Conservation Agriculture</i> <b>John N Landers</b> Brazilian Federation of Zero Tillage into Crop Residues and Irrigation, Brazil
16:25-16:35	<i>Short term gains versus long-term sustainability – the need for long-term trials in Conservation Agriculture research</i> <b>Christian Thierfelder</b> Independent Consultant, Zimbabwe	16:25-16:35	<i>Promoting Conservation Agriculture with smallholder farmers in Tipitapa, Nicaragua</i> <b>Keith Poe</b> American Nicaraguan Foundation, Nicaragua
16:35-16:45	<i>Agricultural sector burning: hidden impacts on soils, crop yields, human health, water and climate</i> <b>Juliana Albertengo</b> International Cryosphere Climate Initiative, Argentina	16:35-16:45	<i>Development of innovative strategies to avoid use of glyphosate in conservation tillage systems - Smart weed control</i> <b>Jana Epperlein</b> German Association for Conservation Tillage (GKB), Germany
16:45-16:55	<i>Soil health checkup of Brazilian Conservation Agriculture farming systems</i> <b>J.H. Passinato</b> Federal University of Santa Maria,Brazil	16:45-16:55	<i>Water smart agriculture competencies framework for smallholder farmers in Central America</i> <b>Kristin Rosenow</b> Catholic Relief Services, Guatemala
16:55-17:05	<i>Water smart agriculture improves soil health, productivity and climate resilience in the Central American Dry Corridor</i> <b>Marie-Soleil Turmel</b> Catholic Relief Services, Guatemala	16:55-17:05	<i>The role of SLM knowledge in evidence-based decision-making for LDN</i> <b>Tatenda Lemann</b> University of Bern, Switzerland
17:05-17:15	<i>Benefits of Conservation Agriculture in watershed management: the case of Paraná Watershed 3, Brazil</i> <b>Ivo Melo</b> Instituto Rio Grandense do Arroz, Brazil	17:05-17:15	<i>Reverte – restoring degraded pasturelands in Cerrado Biome</i> <b>Guillermo Carvajal</b> Syngenta, Brazil
17:15-18:00	PANEL DISCUSSION	17:15-18:00	PANNEL DISCUSSION

PARALLEL

ROOM NO-TILL

ROOM SOIL COVER

09:00-10:45

SUB-THEME 2:  
Farm and ecosystem level benefits of CA systems to farmers, society and environment

Chair: Raj Paroda  
Rapporteur: Yashpal Saharawat

09:00-09:10 Initial impact of Conservation Agriculture on soil fertility  
**Ahana Dey**  
Bidhan Chandra Krishi Viswavidyalaya, India

09:10-09:20 Status of Conservation Agriculture adoption in Syria  
**Atef Haddad**  
Consultant, Syria

09:20-09:30 The contribution of accelerated adoption of Conservation Agriculture to the EverGreening the Earth Campaign  
**Dennis Garrity**  
Global EverGreening Alliance & World Agroforestry, Kenya

09:30-09:40 Conservation Agriculture: can be an option for improving crop and water productivity with lower environmental footprints  
**C.M. Parihar**  
ICAR-Indian Agricultural Research Institute, India

09:40-09:50 The follow is an opinion for Conservation Agriculture on winter wheat under dryland conditions in Central Turkey  
**İrfan Gültekin**  
International Agriculture Research Institute, Turkey

09:50-10:00 The effect of legumes on soil fertility and nitrogen supply to field crops in conservative agriculture  
**Vladislav Minin**  
Federal Scientific Agro-Engineering Centre VIM, Russia

10:00-10:10 Innovative fertilizers and fertilizer management: key for Conservation and Precision Agriculture based sustainable production systems and environment  
**Yashpal Singh Saharawat**  
International Fertilizer Development Centre (IFDC), India

10:10-10:45 PANEL DISCUSSION

SESSION SUB-THEME 4:  
Promoting CA-based knowledge and innovation systems and information sharing and communication

Chair: Sepo Marongwe  
Rapporteur: Hendrik Smith

09:00-09:10 Soil protection and carbon sequestration through seeded groundcovers, spontaneous vegetation and pruning remains mulch in olive orchard  
**Miguel Angel Repullo**  
Andalusian Institute of Agricultural and Fisheries Research and Training (IFAPA), Spain

09:10-09:20 Happy seeder :a promising conservation agricultural technology for sustainability of rice-wheat cropping system in Haryana  
**Anil Kumar**  
CCS HAU, India

09:20-09:30 Enabling smallholder farmers to sustainably improve their food, energy and water nexus while achieving environmental and economic benefits in the EGP: Conservation Agriculture-based sustainable intensification for smallholder systems  
**Mahesh Gathala**  
International Maize and Wheat Improvement Centre, Bangladesh

09:30-09:40 The development of straw retention technology for Conservation Agriculture in China  
**Liu Peng**  
China Agricultural University, China

09:40-09:50 Soil Pioneers: Soil health potentials in future-oriented farming systems  
**Gernot Bodner**  
University of Natural Resources, Austria

09:50-10:00 Learnings from the first Conservation Agriculture focused MOOC  
**Ram Datt Mishra**  
Bihar Agricultural University, India

10:00-10:10 Conservation Agriculture adoption in Central Asia: present and future prospects  
**Aziz Nurbekov**  
FAO, Uzbekistan

10:10-10:45 PANNEL DISCUSSION

10:45-11:00 COFFEE BREAK

PARALLEL

ROOM NO-TILL

11:00-12:30	<p><b>SUB-THEME 2:</b> <b>Farm and ecosystem level benefits of CA systems to farmers, society and environment</b></p> <p><b>Chair: Søren Ilsøe</b> <b>Rapporteur: Paula Triviño-Tarradas</b></p>
11:00-11:10	<p><i>Impact of conventional soil tillage and raised- bed cultivation method on growth of winter wheat varieties</i> <b>Imran Jumshudov</b> Agrarian Science and Innovation Center, Azerbaijan</p>
11:10-11:20	<p><i>Conservation Agriculture impacts in cereal-based cropping systems of South Asia: a meta-analysis</i> <b>ML Jat</b> International Maize and Wheat Improvement Center (CIMMYT), India</p>
11:20-11:30	<p><i>Comparison and results of notill versus Inversion practicies in nordic climate – conclusions after 14 year trial</i> <b>Jussi Jaakko Knaapi</b> Helsinki University, Finland</p>
11:30-11:40	<p><i>Soil moisture suction in no-till and tilled soils: analyzing long-term tensiometer measurements in the Swiss Central Plateau</i> <b>Daria Göllnitz</b> University of Bern, Switzerland</p>
11:40-11:50	<p><i>Mid and long term effects of Conservation Agriculture on soil organic matter, physical properties and biological activity in rainfed Mediterranean Soils</i> <b>Moussadek Rachid</b> ICARDA, Morocco</p>
11:50-12:00	<p><i>LivingGro - A holistic approach to improving biodiversity and conservation in agricultural landscapes</i> <b>Francisco Javier Peris-Felipo</b> Syngenta, Switzerland</p>
12:00-12:30	<p>PANEL DISCUSSION</p>

ROOM SOIL COVER

	<p><b>SESSION SUB-THEME 4:</b> <b>Promoting CA-based knowledge and innovation systems and information sharing and communication</b></p> <p><b>Chair:Marie Bartz</b> <b>Rapporteur: Ricardo Ralisch</b></p>
11:00-11:10	<p><i>Crop residue management and pathway to Conservation Agriculture: a case study in alluvial agro-ecosystem of West Bengal, India</i> <b>Anwesha Mandal</b> Bidhan Chandra Krishi Viswavidyalaya, India</p>
11:10-11:20	<p><i>The role of farmers implementing and disseminating sustainable soils management systems: challenges and drivers, view of farmers associations</i> <b>Gerard Rass</b> Association for the Promotion of Sustainable Agriculture (APAD), France</p>
11:20-11:30	<p><i>Assessment of economic impacts of Conservation Agriculture and precision agriculture technologies on a winter wheat crop</i> <b>Chris Cavalaris</b> University of Thessaly, Greece</p>
11:30-11:40	<p><i>Fine-tuning nitrogen fertiliser norms for wheat under Conservation Agriculture in South Africa</i> <b>Johan Labuschagne</b> Western Cape Department of Agriculture, South Africa</p>
11:40-11:50	<p><i>ENGAGED : System design of direct seedings under permanent covercrop without glyphosate</i> <b>Pierre Yves Bernard</b> UniLaSalle, France</p>
11:50-12:00	<p><i>Conservation Agriculture implementation trials on Denmark</i> <b>Hans Henrik Pedersen</b> Association for Reduced Tillage (FRDK), Denmark</p>
12:00-12:30	<p>PANNEL DISCUSSION</p>

12:30-13:30 LUNCH

PLENARY

13:30-15:30

**Experiences and Investments in Conservation Agriculture and Sustainable Mechanization for Smallholders in Africa**

13:30-14:00

*Opening remarks, **Godfrey Bahigwa**, African Union Commission, ARBE<sup>1</sup>*  
*Opening remarks, **Ade Freeman**, FAO RAF-Regional Program Leader*  
*Opening remarks, **Joseph Mureithi**, ACT Board*  
*Opening remarks, **Xia Jingyuan**, FAO NSP Director*

14:00-14:10

*Highlights of F-SAMA & of discussion paper on F-SAMA element 6: sustainable transformation of land preparation and crop/animal husbandry practices*  
**Joseph Mpagalile**  
FAO

14:10-14:20

*Launch of the FAO publication: agri-hire in SSA - business models for investing in sustainable mechanization*  
**Josef Kienzle**  
FAO

14:20-14:30

*Networking and linkages in SAM: AfricaMechanize Platform*  
**Saidi Mkomwa**  
ACT

14:30-14:40

*Case study I – CA for commercialization of smallholder farming and enterprise diversification: the case of Mrs. Pauline Moghambi, smallholder farmer in Nakuru County, Kenya*  
**Pauline Moghambi**  
ACT

14:40-14:50

*Case study II – CA innovation systems build climate resilience for smallholder farmers in South Africa*  
**Erna Kruger**  
Mahlathini Development Foundation (MDF)

14:50-15:00

*Case study III – Initiating the evaluation and dissemination of small tractors in CA in Angonia plateau, Mozambique. Preliminary results from APPSA*  
**Domingos Dias**  
Mozambique's Institute of Agricultural Research

15:00-15:10

*Case study IV - mechanization service provision adoption in Ethiopia*  
**Rabe Yahaya**  
CIMMYT, Ethiopia

15:10-15:20

*Climate adapted farming methods project: a case of mechanized Conservation Agriculture*  
**Godfrey Omulo**  
Hohenheim University & AKTC

15:20-15:30

*Questions and answer session with participants*  
**Lewis Hove**  
Session Chair  
  
*Closing remarks*  
**Elizabeth Nsimadala**  
Pan-African Farmers' Organization (PAFO)

<sup>1</sup>Agriculture, Rural Development, Blue Economy and Sustainable Environment (ARBE)



15:30-15:45 COFFEE BREAK

PARALLEL

ROOM NO-TILL

15:45-17:00	<p><b>SUB-THEME 2:</b> Farm and ecosystem level benefits of CA systems to farmers, society and environment</p> <p><b>Chair: Juliana Albertengo</b> <b>Rapporteur: Scott Day</b></p>
15:45-15:55	<p><i>Minimum tillage and no tillage effects on VSA indicators at different pedoclimatic zones in Europe and China</i> <b>Fernando Teixeira</b> University of Evora, Portugal</p>
15:55-16:05	<p><i>Tillage and crop rotation effects on soil carbon and selected soil physical properties in a Haplic Cambisol in Eastern Cape, South Africa</i> <b>Mxolisi Mtyobile</b> Department of Rural Development and Agrarian Reform, South Africa</p>
16:05-16:15	<p><i>Conservation Agriculture practices: an alternative to improve and stabilize crop yields and soil quality in rainfed Mediterranean region</i> <b>Mina Devkota</b> ICARDA, Morocco</p>
16:15-16:25	<p><i>Grain yields, nutrient availability and gross margins from Conservation Agriculture systems in two contrasting agro-ecologies of the Eastern Cape, South Africa</i> <b>Lindah Muzangwa</b> North-West University, South Africa</p>
16:25-17:00	<p>PANEL DISCUSSION</p>

ROOM SOIL COVER

	<p><b>SESSION SUB-THEME 4:</b> Promoting CA-based knowledge and innovation systems and information sharing and communication</p> <p><b>Chair: Faten Adada</b> <b>Rapporteur: Aziz Zine El Abidine</b></p>
15:45-15:55	<p><i>Perceptions on soil macrofauna in the agricultural field</i> <b>Marie Bartz</b> University of Coimbra, Portugal</p>
15:55-16:05	<p><i>From farmer to farmer: a need to change the way we see soil biology and plant health, monitored by biological and chemical analyses</i> <b>Gässler Marie-Thérèse</b> GÄSSLER SAS, France</p>
16:05-16:15	<p><i>Overcoming the physical and mental barriers for upscaling Conservation Agriculture in the Mediterranean</i> <b>Harun Cicek</b> Research Institute of Organic Agriculture (FiBL), Switzerland</p>
16:15-16:25	<p><i>The first twenty years - the development and adoption of a climate smart grain production system for the Swartland region of the Western Cape Province, South Africa</i> <b>Annelene swanepoel</b> Western Cape Department of Agriculture, South Africa</p>
16:25-16:35	<p><i>Co-design and test of biodiversity-based pesticide-free Conservation Agriculture in the long-term CA-SYS platform in France</i> <b>Stéphane Cordeau</b> University of Bourgogne, France</p>
16:35-17:00	<p>PANNEL DISCUSSION</p>

PLENARY

17:00-18:00 CLOSING SESSION  
Awards for oral presentations and posters  
Congress declaration  
Announcement of 9WCCA host

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## POSTER WILL BE ACCESSIBLE THOUGHTOUT THE 8WCCA IN THE POSTER ROOM

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### LIST OF POSTERS

#### Sub-theme 1:

#### Successful experiences and learnings from Conservation Agriculture worldwide

*Growth performance and correlation studies on Maize under different soil tillage conditions*

**Debarpita Datta Ray**

BCKV, India

*Long-term no-fire Conservation Agriculture diversifies production on a sandy Acrisol in Acre State, Southwestern Brazilian Amazon*

**Falberni de Souza Costa**

Embrapa, Brazil

*Smallholder agroecology training -- 3,000 success stories since 1997*

**Florence Reed**

Growth at Sustainable Harvest International, United States

*An operational definition of Conservation Agriculture to categorize the diversity of models in a given territory*

**Manon S. Ferdinand**

Earth and Life Institute, Belgium

*Effect of tillage and hydrogel application on the productivity of sunflower under rainfed conditions in Kashkadarya province of Uzbekistan*

**Muhammadjon Kosimov**

FAO, Uzbekistan

*Graphical representation and monitoring of the agricultural sustainability on olive orchards and vineyards; the suitability of CA*

**Paula Triviño-Tarradas**

University of Cordoba, Spain

*Weed dynamic in Conservation Agriculture: experiences from the Isite-BFC regional network of farmers and cropping system experiments on agroecology in France*

**Stéphane Cordeau**

University of Borgogna, France

*Successful scaling approaches leading to autonomous adoption of Conservation Agriculture in West Bengal*

**Tamara Jackson**

Australian Centre for International Agricultural Research, Australia

*Role of farmer cooperatives for participatory learning and scaling Conservation Agriculture: a case of Haryana, India*

**Vikas Chaudhary**

Society for Conservation of Natural Resources and Empowering Rural Youth, India

## LIST OF POSTERS

### Sub-theme 2:

### **Farm and ecosystem level benefits of CA systems to farmers, society and environment**

*Growth performance and correlation studies on Maize under different soil tillage conditions*  
*Measurement of Carbon Flux in Borealic growing conditions -FICA project proceedings*

**Ari Koutonen**

FICA, Finland

*We will starve before we bake*

**Bill Crabtree**

Arise African Agriculture, DRC

*Impacts of post-sowing compaction on temporal variation of soil temperature for different wheat growth period in North China Plain*

**Caiyun Lu Lu**

China Agricultural University, China

*Initial impact of Conservation Agriculture on major diseases of crops (wheat, mustard, potato, maize and cauliflower) under rice-based cropping systems*

**Dibyendu Sarkar**

BCKV, India

*Conservation Agriculture technologies increase productivity and profitability of cereal based farming system in eastern plains of Nepal*

**Dipendra Pokharel**

Department of Agriculture, Sunsari, Nepal.

*Soil quality changes under long term Conservation Agriculture in Morocco (region of Rabat - Merchouch)*

**EL MEKKAOUI Abdelali**

INRA, Morocco

*Is Conservation Agriculture 'female friendly': learnings from the Eastern Gangetic Plains of South Asia*

**Emma Karki**

CIMMYT, Nepal

*Greenhouse gas emissions in various cereal fertilization strategies in Conservation Agriculture in Mediterranean climates*

**Francisco Manuel Sanchez Ruiz**

AEACSV, Spain

*Profitability, work rate and fuel use in crops rotations in Conservation Agriculture vs conventional tillage in Mediterranean climate*

**Francisco Manuel Sanchez Ruiz**

AEACSV, Spain

*On-farm mechanized Conservation Agriculture: preliminary agro-economic performance difference between disc harrowing, ripping and no-till*

**Godfrey Omulo**

University of Hohenheim, Germany

*Impact of nitrogen placement strategy on performance of maize under 12-year long-term Conservation Agriculture in north western Indo- Gangetic plains of India*

**Hari Sankar Nayak**

ICAR, India

*Conservation Agriculture (CA) has to move on*

**John N Landers**

FEBRAPDP, Brazil

*Effects of multifunctional margins implementation in annual crops on biodiversity*

**Manuel Moreno García**

IFAPA, Spain

*Emissions of greenhouse gases in rotation of crops with different crop management in Mediterranean climates*

**Manuel R. Gómez-Ariza**

AEACSV, Spain

*Perennial forage crops for improved soil nitrogen cycling in East African smallholder dairy systems*

**Marie E Schaedel**

University of Minnesota, United States

*Soil quality changes after 20 years of conservation tillage*

**Marjetka Suhadolc**

University of Ljubljana, Slovenia

*Soil protection and carbon sequestration through seeded groundcovers, spontaneous vegetation and pruning remains mulch in olive orchard*

**Miguel Angel Repullo Ruibérriz de Torres**

IFAPA, Spain

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### **Sub-theme 2: Farm and ecosystem level benefits of CA systems to farmers, society and environment**

*Does tillage should be an evaluation factor in the breeding program for major cereal and legume crops?*

**Mina Devkota**  
ICARDA, Morocco

*LIFE+ Climagri: best agricultural practices for climate change: integrating strategies for mitigation and adaptation (Conservation Agriculture case study)*

**Óscar Veroz-González**  
AEACSV, Spain

*Sustainability assessment methodology for CA: The INSPIA model*

**Paula Triviño- Tarradas**  
University of Cordoba, Spain

*Impact of Conservation Agriculture practices on soil properties and maize grain yield in the semi-Arid Laikipia County, Kenya*

**Peter Kuria**  
ACT, Kenya

*Effect of Conservation Agriculture based practices on biological and physico-chemical properties of light black soil under peanut-wheat cropping system*

**Ram Avatar Jat**  
ICAR, India

*Contribution of Conservation Agriculture for wheat productivity improvement in Eastern Indo-gangetic Plains of India*

**Ravindra Kumar Sohane**  
Bihar Agricultural University, India

*Carbon sequestration potential in the soil under two cropping systems and different irrigation systems*

**Rosa Carbonell-Bojollo**  
IFAPA, Spain

*Camelina: a promising cash cover crop in Northern Italy*

**Sara Berzuini**  
University of Bologna, Italy

*Enhancing profitability of small holder farmers through Conservation Agriculture in Eastern India*

**Srinivasaraghavan Ashwath**  
Bihar Agricultural University, India

*Benefits of conservation tillage for soil erosion control*

**Steffen Seitz**  
University of Tübingen, Germany

*Land degradation, climate change and farmers perspectives for promotion of Conservation Agricultural in the Kyrgyz Republic*

**Tatiana Semenova**  
WFP UN, Kyrgyzstan

*Nitrogen fate in cereal cropping systems is affected by cover crops, N fertilization and tillage intensities - a case farm study*

**Tomke Wacker**  
Univeristy of Copenhagen, Denmark

*Conservation tillage reduced soil erosion significantly – results from a long-term monitoring study in Switzerland*

**Volker Prasuhn**  
Agroscope, Switzerland

*Impacts of cropping practices on the production of field crops (bread wheat, faba bean and rapeseed) in the context of climate change in the Sais region of Morocco.*

**Wafae Sellami**  
National Institute of Agronomic Research of Meknes, Morocco

*Conservation tillage enhances productivity and decreases soil nitrogen losses in a rainfed agroecosystem of the Loess Plateau, China*

**Weiyan Wang**  
College of Agronomy, China





***The future of farming***  
*Profitable and Sustainable Farming*  
*with Conservation Agriculture*

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**Sub-theme 3:**

**Mainstreaming of CA with national policy and institutional support and for global governance to support national and international needs and commitments**

*The 4CE-MED project - Camelina: a cash cover crop enhancing water and soil conservation in Mediterranean dry-farming systems*

**Andrea Monti**

University of Bologna, Italy

*Should we defend glyphosate?*

**Bill Crabtree**

Arise African Agriculture, DRC

*Next steps for taking directly seeded rice to scale in the Eastern Gangetic Plains of South Asia*

**Brendan Brown**

International Maize and Wheat Improvement Center, Nepal

*Soil biological response to cover crop termination methods with two levels of water availability*

**Chiquinquirá Hontoria**

Universidad Politécnica de Madrid, Spain

*A private CA label by farmers and a professional movie to reconcile farmers with citizens, and farming with agriculture*

**Gerard Rass**

APAD, France

*Legacy effects of cover crops mixtures differently affect soil microorganism groups*

**Ignacio Mariscal Sancho**

Universidad Politécnica de Madrid, Spain

*Effectiveness of Conservation Agriculture in meeting the environmental objectives of the European Common Agricultural Policy*

**Manuel R. Gómez-Ariza**

AEACSV, Spain

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### **Sub-theme 4: Promoting CA-based knowledge and innovation systems and information sharing and communication**

*The influence of Conservation Agriculture on topsoil stratification in the Western Cape of South Africa*

**Annemarie van der Merwe**

Western Cape Department of Agriculture, South Africa

*Adaptations of the LIFE Climagri Project GIS. Platform for its application to olive groves*

**Antonio Holgado-Cabrera**

IFAPA, Spain

*Estimation of Conservation Agriculture through SWOT Matrix: the new alluvial reality of West Bengal, India*

**Anwesh Mandal**

BCKV, India

*Remote sensing of winter wheat growth under conventional and no-tillage cultivation*

**Chris Cavalaris**

University of Thessaly, Greece

*The adoption of automatic navigation technology for row-followed no-till planting in China*

**Chunlei Wang**

China Agricultural University, China

*Smallholder agroecology training -- the low-hanging fruit for Conservation Agriculture*

**Florence Reed**

Growth at Sustainable Harvest International, United States

*Development of innovative strategies to avoid use of glyphosate in conservation tillage systems - Smart weed control*

**Jana Epperlein**

GBK, Germany

*Application of soil suppression technique in no-tillage sowing in China*

**He Jin**

China Agricultural University, China

*The development and extension of subsoiling technology in China*

**Jin He**

China Agricultural University, China

*TOPPS PROJECT: A successful way to promote soil and water quality improvement through Conservation Agriculture*

**Julio Román-Vázquez**

ECAF, Belgium

*Experiences of novel methods in evaluation of no-till quality and agronomic efficacy*

**Jussi Jaakko Knaapi**

Helsinki University, Finland

*Investigating farmers' habits and opinions to design an appropriate sustainability diagnosis for Walloon field crop practices*

**Lola Leveau**

Earth and Life Institute, Belgium

*Facts and figures on 17 years of a comparative study of conventional and conservation tillages in Hungary*

**Madarász Balázs**

Geographical Institute, Research Centre for Astronomy and Earth Sciences, Hungary

*Effect of cover crops on modern agricultural production of cherry trees in Chile*

**Rodrigo Figueroa**

Pontificia Universidad Católica, Chile

*Monitoring, tracking and estimation of Conservation Agriculture and ecological resilience: a participatory approach followed in operating agro-ecosystem of new alluvial zone in Eastern India*

**Sankar Kumar Acharya**

BCKV, India

*Exploring approaches to strategic and effective communication for profitable and sustainable farming with Conservation Agriculture*

**Sean Declan McCormack**

Flooded Cellar Production

*Effect of Conservation Agriculture and precision water management on wheat productivity and irrigation water use under rice-wheat cropping systems in the Indo- Gangetic Plains of India*

**SK Kakraliya**

ICAR, India

*Strategic tillage in Conservation Agriculture: consequences on weed communities and winter wheat productivity*

**Stéphane Cordeau**

University of Borgogna, France

*Conservation Agriculture (CA) in Malawi: A participatory assessment of soil health outcomes*

**Thirze Hermans**

University of Leeds, United Kingdom

*Modeling and verification of corn straw based on no-tillage cutting process in Conservation Agriculture*

**Xinpeng Cao**

China Agricultural University, China

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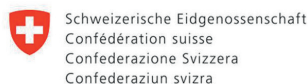


## Field Days



On the fourth and the fifth day, two Field Days will be organized in the Bernese Lakeland, about 40 minutes away from Bern. The estate "Witzwil" is the largest farm in Switzerland and includes crop cultivation, horticulture and animal husbandry. The programme of the Field Day includes machinery and equipment display and demonstrations, technical presentations from stakeholders including farmers, technical experts and dealers, and field trial demonstrations.

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**CENTRAL EUROPEAN SUMMER TIME (CEST) (GMT+2)**

**DAYS 4 & 5**