Unveiling the potential of agricultural innovation to achieve the Sustainable Development Goals

FAO Headquarters, Rome
21-23 November 2018

PROGRAMME
PLENARY 1
OPENING SESSION
- José Graziano da Silva, Director-General, FAO
- Inga Rhonda King, President, UN Economic and Social Council (ECOSOC)
- Paul Winters, Associate Vice-President, Strategy and Knowledge Department, IFAD

Facilitator: Shadrack Moephuli, President and Chief Executive Officer, Agricultural Research Council, South Africa, Symposium Chair

PLENARY 2
SETTING THE SCENE: THE POTENTIAL OF AGRICULTURAL INNOVATION FOR FAMILY FARMERS IN ACHIEVING THE SDGs

Chair: His Excellency Mohammad Hossein Emadi, Ambassador and Permanent Representative of the Islamic Republic of Iran to FAO and Chair of the FAO Committee on Agriculture (COAG)

Introductory remarks: Maria Helena Semedo, FAO Deputy Director-General, Climate and Natural Resources

Keynotes
- Creating Empathetic innovation ecosystem: Why do small farmers experiment so much?
  Anil Gupta, Founder, Honey Bee Network, India
- Supporting young farmer innovations to achieve the SDGs
  Ruramiso Mashumba, Farmer and Founder of Mnandi Africa, Zimbabwe
- Driving the future of food: Innovation, millennials and technology
  Marco Guaita, Founder and Chairman, Seeds & Chips, Milan, Italy
- Developing sustainable and productive family farming for the best of consumers and the environment: The case of Finland
  Jaana Husu-Kallio, Permanent Secretary, Ministry of Agriculture and Forestry, Finland
- Tackling the global imperatives for sustainable development using artificial intelligence
  Yeming Wang, General Manager EMEA, Alibaba Cloud International

INNOVATION FAIR
Launched by Maria Helena Semedo, FAO Deputy Director-General, Climate and Natural Resources
SEGMENT I: SUSTAINING AND CATALYSING INNOVATION

14.00-14.15
Plenary Hall (live)
Red Room (webcast live)
Keynote address 1
- The future of family farming: A young farmer’s perspective
  Iris Bouwers, Farmer and Vice-President, European Council of Young Farmers, The Netherlands

14.15-17.00
Plenary Hall
Red Room
PARALLEL 1 ★
PUTTING FAMILY FARMERS AT THE CENTRE
Chair: Fernando López, Secretario de Gestión, Confederación de Organizaciones de Productores Familiares del Mercosur Ampliado (Coprafam)
Moderator: Chris Burns
Panel 1: The key role of family farmers
- Ann Waters-Bayer, Senior Associate, Prolinnova International, Germany
- Daniel Gad, Owner and General Manager, Omega Farms, Ethiopia
- Fatma Ben Rejeb, CEO, Pan-African Farmers’ Organization (P.AFO)
- Roberto Moncalvo, Former President, Coldiretti, Italy
Panel 2: The critical role of the enabling environment
- Donal Brown, Associate Vice-President, Programme Management Department, International Fund for Agricultural Development (IFAD)
- Fan-Li Chou, Biotechnology Coordinator, United States Department of Agriculture
- Laura Lorenzo, Deputy Director, World Rural Forum
- Alessandra Gentile, Vice President, Agricultural Research and Economical Analysis Council (CREA), Italy

PARALLEL 2 ★★
STRENGTHENING RESEARCH, EDUCATION AND BRIDGING INSTITUTIONS TO ACCELERATE INNOVATION
Chair: Margaret Gill, Chair, CGIAR Independent Science and Partnership Council
Moderator: Hlami Ngwenya
Panel 1: Addressing research priorities: Transforming research and education for farmer-centred innovation
- Nienke Beintema, Head, Agricultural Science and Technology Indicators (ASTI) initiative, International Food Policy Research Institute
- Huang Guodao, Director, Division of International Cooperation, Chinese Academy of Tropical Agricultural Sciences
- Viviana Palmieri, Executive Secretary, Forum for the Americas on Agricultural Research and Technology Development (FORAGRO)
- Mark Holderness, Executive Secretary, Global Forum on Agricultural Research and Innovation (GFAR)
Panel 2: Strengthening and reforming bridging institutions to accelerate innovation
- Rehaheed Sulaiman, Chair, Steering Committee of the Global Forum for Rural Advisory Services (GFARAS)
- Bernhard Konwatsch, Head, World Food Programme Innovation Accelerator
- Cécile Bibiana Ndjabet, Founder & President, African Women’s Network for Community Management of Forests (REFACOF), Cameroon
- Wang Qingyin, President, China Society of Fisheries

17.00-18.00
Plenary Hall
PLENARY 3
REPORTING FROM PARALLEL SESSIONS 1 & 2
Chair: His Excellency Hassan Abouyoub, Ambassador of the Kingdom of Morocco to FAO
Presenters:
- Fernando López (Chair, Parallel Session 1)
- Margaret Gill (Chair, Parallel Session 2)

18.00-20.00
Aventino Room
Social mixing event
THURSDAY 22 NOVEMBER 2018
SEGMENT II: EMPOWERMENT FOR INNOVATION

9.30-9.45
Plenary Hall (live)
Red Room (webcast live)

Keynote address 2
- Empowering innovation
  Claudia Sadoff, Director General, International Water Management Institute

9.45-12.30
Plenary Hall
Red Room

PARALLEL 3 ★
BUILDING EFFECTIVE AGRICULTURE
INNOVATION SYSTEMS AND EMPOWERING
ITS ACTORS

Chair: Frédéric Seppey, Assistant Deputy Minister, Market and Industry Services Branch, Agriculture and Agri-Food Canada
Moderator: Hlami Ngwenya
Panel 1: Building effective agriculture innovation systems
- Senzeni Zokwana, Minister of Agriculture, Forestry and Fisheries, South Africa
- Philippe Faduguénin, Deputy Director General, Research and Strategy, French Agricultural Research Centre for International Development (CIRAD)
- C Partha Sarathi, Agricultural Production Commissioner and Principal Secretary, Agriculture & Co-operation Department, Government of Telangana, India
- Irene Annor-Frempong, Director, Research and Innovation, Forum for Agricultural Research in Africa (FARA)

Panel 2: Strengthening capacities to innovate
- Silim Nahdy, Executive Director, African Forum for Agricultural Advisory Services (AFAAS)
- Bjørvind Pylling-Jenssen, CEO, Norwegian Institute of Food, Fisheries and Aquaculture Research (NOFIMA)
- Myra Wopereis-Pura, Capacity Development for Agricultural Innovation Systems (CDAIS) Project Coordinator
- Stephanie Barrial, Knowledge Management Coordinator, World Rural Forum

PARALLEL 4 ★★★
REACHING MILLIONS OF FAMILY FARMERS:
SCALING UP SUCCESSFUL INNOVATION

Chair: Bernard Rey, Minister Counsellor, Head of Cooperation, Delegation of the European Union to South Africa
Moderator: Chris Burns
Panel 1: Replicating and scaling up successful innovation
- Robin Buruchara, Director, Pan Africa Bean Research Alliance, International Center for Tropical Agriculture (CIAT), Kenya
- Pamela Thomas, Executive Director, Agriculture Alliance of the Caribbean (AACARI) and President, Team Fresh Produce Cooperative Society Limited, Antigua and Barbuda.
- Leonel Ocarro Quiñónez, President, Cooperativa Agrícola Integral Atescatel, Guatemala
- Itlúther Mostafa, Lead Agricultural Economist, World Bank

Panel 2: Bridging the knowledge gap: Learning from others
- David Hughes, Associate Professor Pennsylvania State University, United States and visiting scientist, FAO Plant Production and Protection Division
- Dannie Romney, Global Director, Development Communication and Extension, Centre for Agriculture and Biosciences International (CABI)
- Severine von Tscharner Fleming, Founding Board Secretary, Farm Hack and national young Farmers Coalition, United States
- Andre Laperrine, Executive Director, Global Open Data for Agriculture and Nutrition (GODAN)

12.30-14.00
FAO Atrium

INNOVATION FAIR

12.45-14.00
Sheikh Zayed Centre

“What’s cooking? Dishing up innovation”. A special event with chefs and family farmers

Moderator: Hlami Ngwenya
A dynamic, interactive discussion between family farmers and chefs from around the world – including Bela Gil (Brazil), Kim Palhus (Finland), Elijah Amoo Addo (Ghana) and Anahita Dhondy (India) – will look at ways in which they can jointly contribute to innovation for sustainable agriculture and food systems.

Closing remarks: Maria Helena Semedo, FAO Deputy Director-General, Climate and Natural Resources
SEGMENT III: UNLOCKING THE POTENTIAL OF INNOVATION

14.00-14.15
Plenary Hall (live)
Red Room (webcast live)

Keynote address 3
- Amul Model: Sustainability for small farmers through innovative market linkage
  RS Sodhi, Managing Director, Gujarat Cooperative Milk Marketing Federation Limited (AMUL), India

14.15-17.00
Plenary Hall
Red Room

PARALLEL 5 ★
DRIVING SUCCESSFUL INNOVATION THROUGH EFFECTIVE DECISION-MAKING AND INNOVATIVE PARTNERSHIPS

Chair: Carla Montesi, Director for Planet and Prosperity, European Commission Directorate-General of International Cooperation and Development
Moderator: Chris Burns

Panel 1: Driving successful innovation through effective decision-making
- Roberto Rodrigues, Coordinator, Agribusiness Studies Centre, Getulio Vargas Foundation, Brazil
- Caleb Harper, Director, Open Agriculture Initiative, MIT Media Lab, United States of America
- Eve Luvumu Namutebi, Principal Agricultural Extension Coordinator, Ministry of Agriculture, Animal Industry and Fisheries, Uganda
- Agung Hendriadi, Director General/Head of Agency for Food Security, Ministry of Agriculture, Indonesia

Panel 2: Building on innovative partnerships
- Angela Riccaboni, Chair, Fundación PRIMA
- Judith Francis, Chair, Tropical Agricultural Platform (TAP) Steering Committee
- Francisco Reifschneider, Senior Research, Embrapa and Coordinator of the Agricultural Innovation MKTPlace, Brazil
- Nguyen Do Anh Tuan, Director General, Institute of Policy and Strategy for Agricultural and Rural Development (IPSARD), Viet Nam

PARALLEL 6 ★★
INCREASING ACCESS TO MARKETS AND ENGAGING THE PRIVATE SECTOR TO ACCELERATE INNOVATION

Chair: Her Excellency María Cristina Boldorini, Ambassador and Permanent Representative of the Republic of Argentina to FAO
Moderator: Hlami Ngwenya

Panel 1: Increasing access to markets and targeted strategic investments
- Jyoti Macwan, General Secretary, Self-Employed Women’s Association (SEWA), India
- Marco Alberti, Head, International Institutional Affairs, Ente nazionale per l’energia elettrica (ENEL), Italy
- Margaret Nakato, Executive Director, World Forum of Fish Harvesters and Fish Workers (WFF)
- Patrick Struebi, Co-Founder and Co-President, Bloom

Panel 2: Engaging the private sector to accelerate agricultural innovation
- Michael Keller, Secretary General, International Seed Federation
- Ayse Sabuncu, Co-founder, Impact Hub Istanbul, Turkey
- Michael Sudarkasa, Chief Executive Officer, Africa Business Group, South Africa
- Bram Govaerts, Global Director Innovative Business Strategies, International Maize and Wheat Improvement Center, Mexico

17.00-18.00
Plenary Hall

PLENARY 4
REPORTING FROM PARALLEL SESSIONS 3-6

Chair: Thomas M. Duffy, Chargé d’Affaires a.i., US Mission to the UN Agencies in Rome

Presenters
- Frédéric Sappey (Chair, Parallel 3)
- Bernard Rey (Chair, Parallel 4)
- Carla Montesi (Chair, Parallel 5)
- María Cristina Boldorini (Chair, Parallel 6)
Youth as drivers of innovation
Interactive event

Introduction: Maria Helena Semedo, FAO Deputy Director-General, Climate and Natural Resources

Moderator: Chris Burns

Young Innovators Showcase

- Sara Kate Smith, Provincial Ambassador and National Youth Advisory Committee Representative, 4-H Programme, Canada
- Simbi Arsene, Co-Founder and Chief Technical Officer, STES Group, Rwanda
- Mwiza Simbaye, Machine Learning Engineer, Agripredict, Zambia
- Thort Chuong, Student, UC Davis, United States and Manager of a social enterprise project, Cambodia (online)
- Mabelle Chadid, President, Food Heritage Foundation, Lebanon (online)
- Phillip Subu, Executive Advisor, Malaita Youth in Business Association (MYIBA), Solomon Islands (online)

Innovator Panel Discussion

Youth participants

- Kofi Kaeedu Acquaye, Program Officer, Young Professionals for Agricultural Development (YPARD), Ghana
- Nikki Pilania, Director, Chaudhary Agriculture Services Pvt. Ltd., India
- Melissa Bozzolini, Student, Luiss University, Italy
- Alpha Sennon, Founder and Executive Director, WhyFarm, Trinidad and Tobago
- Severine von Tscharner Fleming, Founding Board Secretary, Farm Hack and National Young Farmers Coalition, United States
- Maycol Cano, 4H Youth Delegate, Nicaragua

Experts:

- Ren Wang, Special Advisor to the Chairman, Beijing Genomics Institute (BGI), China
- Hans Hoogeveen, Ambassador and Permanent Representative of the Netherlands to FAO, Italy
- Caleb Harper, Director, Open Agriculture Initiative, MIT Media Lab, United States of America
- RS Sodhi, Managing Director, Gujarat Cooperative Milk Marketing Federation Limited (AMUL), India
FRIDAY 23 NOVEMBER 2018

SEGMENT IV: WAY AHEAD

9.00-9.15
Plenary Hall
Keynote address 4
- Health-linked rural poverty and some take-home messages from the Symposium
  Ren Wang, Special Advisor to the Chairman, Beijing Genomics Institute (BGI), China

9.15-11.30
Plenary Hall
PLENARY 5
UNLOCKING THE POTENTIAL OF AGRICULTURAL INNOVATION FOR MILLIONS OF FAMILY FARMERS: THE WAY AHEAD

Facilitator: Shadrack Moephuli, Symposium Chair

Panellists:
- Fernando Lopez (Chair, Parallel 1)
- Margaret Gill (Chair, Parallel 2)
- Frédéric Seppey (Chair, Parallel 3)
- Bernard Rey (Chair, Parallel 4)
- Carla Montesi (Chair, Parallel 5)
- Maria Cristina Boldorini (Chair, Parallel 6)

11.30-13.30
Plenary Hall
PLENARY 6
HIGH-LEVEL SEGMENT

Moderator: Chris Burns

Speakers:
- Neven Mimica, European Commissioner for International Cooperation and Development
- Josefa Leonel Correia Sacko, Commissioner for Rural Economy and Agriculture, African Union Commission
- Senzeni Zokwana, Minister of Agriculture, Forestry and Fisheries, South Africa
- Augustine Auga Maua, Minister of Agriculture and Livestock Development, Solomon Islands
- Gilberto Correia Carvalho Silva, Minister of Agriculture and Environment, Cabo Verde
- Manfred Alberto Melgar Padilla, Vice-Minister of Food and Nutrition Security, Ministry of Agriculture, Livestock and Food, Guatemala
- Alessandra Pesce, Under-Secretary of State, Ministry of Agricultural Food, Forestry and Tourism Policies, Italy

Closing remarks: José Graziano da Silva, Director-General, FAO
INNOVATION FAIR

SUCCESS STORIES OF AGRICULTURAL INNOVATION

The following 20 success stories will be exhibited in the Innovation Fair. The Innovation Fair will be launched by Maria Helena Semedo, FAO Deputy Director-General, Climate and Natural Resources at 12.30 on 21 November. Each success story will have a presenter and a dedicated space in the FAO Atrium.

The presenters will be available from 12.30-14.00 on 21 and 22 November to discuss their innovation and success story with the Symposium participants, and talk in an informal way about the constraints they faced, as well as the drivers that led to innovation and success.

1. The use of hydroponics to help Sahrawi refugees in Western Algeria grow fresh green animal fodder locally and strengthen food security in the community
   Nina Schröder, Co-Founder H Grow/Scale-up Enablement Manager, United Nations World Food Programme (WFP), WFP Innovation Accelerator, Munich, Germany

2. Drought tolerant maize varieties in Zimbabwe
   Cosmos Magorokosho, International Wheat and Maize Improvement Centre (CIMMYT) Southern Africa Regional Office, Harare, Zimbabwe

3. Climate-smart villages (CSV) approach for scaling up and out appropriate climate-smart agriculture options in West Africa
   Mathieu Ouedraogo, Senior Scientist, CGIAR Research programme on Climate Change, Agriculture and Food Security (CCAFS), International Crops Research Institute for the Semi-Arid Tropics, West and Central Africa (ICRISAT-WCA), Bamako, Mali

4. eLocust3: a revolutionary transboundary plant pest early warning system in Africa and Asia
   Mehdi Ghaemian, Desert Locust Information Officer, Head of the Desert Locus Programme, Plant Protection Organization, Tehran, Iran

5. Successful area-wide eradication of the Mediterranean fruit fly in the Dominican Republic
   Gregory Marte-Diaz, Agricultural Sector Coordinator at the National Competitiveness Council; former Project Manager, Programa Moscamed, Ministry of Agriculture, Dominican Republic

6. Use of the Mountain Partnership Products (MPP) participatory certification and labelling scheme to promoting mountain biodiversity and improve local economies and livelihoods in Nepal
   Umesh Lama, Chairman/Executive Director, Organic World and Fair Future, Pvt Ltd, Kareshwor-1250 Marga, Kathmandu, Nepal

7. Agroecology at the heart of local development: The example of the Agro-ecological School Farm of Kaydara in Senegal
   Gora Ndleya, Director, Association Panafricaine Jardins d’Afrique, Mbour, Senegal

8. Allanblackia seed oil: from a wild-harvested seed to your morning toast in Tanzania
   Fidelis Rutatina, Managing Director, novel Development Tanzania ltd, Morogoro, Tanzania

9. The Rythu Bandhu Insurance scheme in India
   C. Partha Sarathi, Agriculture Production Commissioner & Secretary to Government Agriculture & Cooperation (Horticulture & Sericulture) Department, Government of Telangana, India
10. Use of climate and weather information for artisanal fisher folk to manage extreme weather risks at sea

Issa Ouedraogo, Climate Change, Agriculture and Food Security (CCAFS) Programme West Africa, International Crops Research for the Semi-Arid Tropics West and Central Africa (ICRISAT-WCA) Regional Office, Dakar, Senegal

11. Use of wooden low-cost greenhouses for high quality vegetable production in El Salvador

Boris Corpeño, Technical Advisor, Consultant for Hortaliceros de Cuscatlán Association and Cooperative, El Salvador

12. Introduction of semi-roofed shelters to protect camelids from extreme weather and climate events in Bolivia

Severo Choque, President of Quri Tama, Camelides Producers’ Association, Yuruna, Santiago de Andamarca, Bolivia

13. Introducing and promoting a new high iron bean variety in Guatemala

Leonel Osorio Quiñónez, President, Cooperativa Atescatel, Guatemala

14. Going to the Virtual Farmers’ Market in Zambia: An app-based e-commerce platform where farmers’ surplus and buyers’ demand for crops are advertised and traded

Ahnna Gudmunds, Project Coordinator, Virtual Farmers Market / Programme Officer, Digital Development, United Nations World Food Programme (WFP), Purchase for Progress (P4P), Rome, Italy

15. Use of blockchain technology in the coffee value chain for small scale coffee producers in Ethiopia

Sander Govers, Business Development and International Retail Manager, Moyee Coffee, The Netherlands

16. Using agribusiness incubation programme for youth employment in Nigeria

Evelyn Ohanwusi, Head, Youth in Agribusiness Office, International Institute of Tropical Agriculture, Ibadan, Nigeria

17. Zanzibar Seaweed Cluster Initiative: Bioeconomy for an increased resilience of women farmers in Tanzania

Flower Ezekiel Msuya, Senior researcher/Consultant Facilitator of the Zanzibar Seaweed Cluster Initiative, University of Dar es Salaam, Zanzibar, Tanzania

18. Use of the Burkina Faso Bio Participatory Guarantee System label for organic farming

Clémence Lankouandé, Coordinator, National Council for Organic Farming, Burkina Faso

19. FAPP: fighting plant pests and diseases in Uganda

Siraji Nazirini, Software developer, Hansu Mobile Innovation, Mbale, Uganda

20. Afririce Agrobusiness: Environmentally conscious farm equipment that automates manual tasks for rice growers

Steve Hoda, Founder, Afririce Agrobusiness, Benin
One of the stands in the Innovation Fair will be used by FAO staff to present some of their work on agricultural innovation in an informal setting. The time table of presentations, with the presenters’ names, is provided below:

**21 November**

**13.00**
Tropical Agriculture Platform (TAP) on Capacity development for agricultural innovation systems
*Karin Nichterlein,* FAO Research and Extension Unit

**13.15**
Innovative new fish smoking and drying technique – the FTT Kiln
*Aina Randrianantoandro/Omar Penarubia,* FAO Fisheries and Aquaculture Policy and Resources Division

**13.30**
New biotechnologies in crop improvement
*Chikelu Mba,* FAO Plant Production and Protection Division

**13.45**
Promoting agroecological approaches in the support of wild pollinators to support nutrition security of smallholder farmers
*Abram Bicksler,* FAO Plant Production and Protection Division

**22 November**

**12.45**
New pest monitoring technologies - FAMEWS / Nuru
*Keith Crossman/David Hughes,* FAO Plant Production and Protection Division

**13.00**
Solar-power in agriculture
*Lucie Pluschke,* FAO Climate, Biodiversity, Land and Water Department

**13.15**
Earth observation to increase water productivity (Water Productivity Assessment - WAPOR)
*Livia Peiser,* FAO Climate, Biodiversity, Land and Water Department

**13.30**
Innovations in FAO’s Kenya country programme: Agribusiness, livestock and land
*Tian Cai,* FAO Kenya Office
WIRELESS INTERNET
WiFi coverage is available in all Meeting Rooms, the Atrium and in the catering facilities. FAO is not in a position to provide technical support if problems arise when connecting to, or using, the wireless internet service.

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For any medical services, participants may also go directly to the FAO Health Services (1st Floor, Building B) during the working hours of the Conference. For a serious emergency outside FAO, call 118.

FACILITIES FOR DISABLED PERSONS
The FAO buildings correspond to European Community and Italian disabled facility building codes. All entrances at FAO headquarters are accessible for disabled persons in wheelchairs. An elevator is provided in Building A and a ramp is provided in Building D.
Accessible restroom facilities are located in Building A on the ground, first and third floors. Please note that FAO is a smoke-free area. Smoking is not permitted inside FAO buildings.

FAO RESTAURANTS AND BARS
Within the FAO buildings there are three coffee shops, a cafeteria and a restaurant.
- Blue Bar: Coffee shop located on the 8th floor of Building C. They serve snacks and sandwiches all day, with cold meals for lunch. Hours from 7.30–13.00.
- Casa Bar: Building D ground floor. Salads and light meals, with cold and hot meals for lunch.
- Cafeteria: Self-service restaurant located on the 8th floor of Building B. They serve entrees, pasta, grilled meat or cheese, salads, desserts and drinks. Hours 12–14.00.
- Restaurant: Located on the 8th floor of Building C. They offer a complete ‘menu of the day’ or ‘a la carte’ menu. Hours 12–14. Reservation required (extensions: 54268 or 56823).
- Polish Bar: Coffee shop located on the ground floor of Building A. Serves coffee, tea, drinks, cakes and sandwiches all day, with cold meals for lunch. Hours from 7.30–17.00.
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