



Food and Agriculture
Organization of the
United Nations



PROGRAMME

FAO Global Symposium on Sustainable Fall Armyworm Management

Charting a global response to future invasive pests

31 October — 2 November 2023 | Beijing, China

Empark Grand Hotel



Day One

Tuesday, 31 October 2023

09:00-10:00

Session 1

Welcome, Opening and Introductory Remarks

Moderator

Mr. Sheikh Ahaduzzaman, FAO Representative *ad interim*, China

1. **Mr. Kongming Wu**
President, CAAS
2. **Mr. Robert Bertram**
Chair, Global Organizing Committee of the Symposium; Chief Scientist, USAID
3. **Ms. Beth Bechdol**
Deputy Director-General, FAO (Recorded message)
4. **Mr. Jingyuan Xia**
Executive Secretary of FAW Secretariat; Special Advisor to the Director-General, FAO
5. **Briefing Video of FAO Global Action on FAW control**

10:00-10:30

Group Photo and Tea Break

10:30-12:30

Session 2

Keynote Addresses

Moderator

Mr. Robert Bertram, Chief Scientist, USAID

Five presentations, 15 minutes each (75 minutes in total)

1. *Achievements and impacts of FAO Global Action on FAW Control*
Mr. Jingyuan Xia, FAO
2. *Plant genetics for FAW management*
Mr. Prasanna Boddupalli, CIMMYT
3. *Nature-based solutions for FAW management*
Mr. Sevgan Subramanian, icipe
4. *FAW monitoring and management in China*
Mr. Kongming Wu, CAAS
5. *Impacts of FAO Global Action on FAW control*
Ms. Frances Williams, CAB International

Panel discussion (45 minutes)

12:30-14:00

Lunch Break

Tuesday, 31 October 2023

14:00-15:30

Session 3

Technical Presentations on Prevention and Preparedness

Chair

Mr. Chris Dale, Department of Foreign Affairs and Trade (DFAT), Australia

Co-chair

Ms. Sarah Brunel, IPPC, FAO

Five presentations, 12 minutes each (60 minutes in total)

1. *Global activities for FAW prevention and preparedness*
Mr. Chris Dale, DFAT, Australia
2. *FAW prevention and preparedness in NENA*
Ms. Sameh Benammar, Ministry of Agriculture, Water Resources and Maritime Fisheries, Tunisia
3. *FAW prevention and preparedness in the Pacific*
Mr. Hemant Nitturkar, FAO Subregional Office for the Pacific Islands
4. *FAW prevention and preparedness in Europe*
Ms. Mariangela Ciampitti, Regional Phytosanitary Service, Lombardy, Italy
5. *Preparation for the next plant pest invasion*
Ms. Sarah Brunel, IPPC, FAO

Panel discussion (30 minutes)

15:30-16:00

Tea Break

16:00-17:30

Session 4

Monitoring and Early Warning

Chair

Mr. Henri Tonnang, icipe

Co-chair

Mr. Saliou Niassy, AU-IAPSC

Five presentations, 12 minutes each (60 minutes in total)

1. *Comparison of pheromone lures and traps in monitoring FAW*
Mr. Johnson Nyasani, KALRO, Kenya
2. *Modeling and communication of FAW risks based on FAMEWS data*
Mr. Henri Tonnang, icipe, Kenya
3. *Harnessing data science to improve FAW IPM*
Mr. Ritter Guimappi, NIBIO, Norway
4. *FAW prediction by using remote sensing*
Mr. Wenjiang Huang, CAS, China
5. *Population genetics of FAW invasion in Asia*
Mr. Wee Tek Tay, CSIRO, Australia

Panel discussion (30 minutes)

18:00 – 20:00

Reception at Empark Grand Hotel, Beijing

Day Two

Wednesday, 1 November 2023

09:00-10:30

Session 5

Fall Armyworm Ecology

Chair

Mr. Rhett Harrison, CIFOR-ICRAF

Co-chair

Mr. Yubak GC, FAO Regional Office for Asia and the Pacific (RAP)

Five presentations, 12 minutes each (60 minutes in total)

1. *FAW natural enemies in Africa*
Ms. Samira Mohamed Faris, icipe, Kenya
2. *Insect-host plant interaction: FAW-induced injury and yield loss*
Mr. Rhett Harrison, CIFOR-ICRAF, Zambia
3. *FAW natural enemies in Central America*
Mr. Urbano Nava-Camberos, Juarez University of the State of Durango, Mexico (video message)
4. *FAW natural enemies in Asia*
Ms. Melissa Montecalvo, UPLB, the Philippines
5. *Seasonal movement patterns of FAW in North Asia*
Mr. Akira Otuka, NARO, Japan

Panel discussion (30 minutes)

10:30-11:00

Tea Break

11:00-12:30

Session 6

IPM for FAW in its Native and Invasion Range

Chair

Mr. Carlos Blanco, USDA

Co-chair

Mr. Zhenying Wang, IPP-CAAS

Five presentations, 12 minutes each (60 minutes in total)

1. *FAW IPM in Eastern and Southern Africa*
Mr. Ivan Rwomushana, CABI, Kenya
2. *FAW IPM in China*
Mr. Zhenying Wang, IPP-CAAS, China
3. *FAW IPM strategies for Cameroon*
Mr. Maurice Tindo, University of Douala, Cameroon
4. *FAW IPM strategies in Viet Nam*
Mr. Hoang Anh Tuan, PPD MARD, Viet Nam
5. *FAW IPM in North America*
Mr. Carlos Blanco, USDA

Panel discussion (30 minutes)

12:30-14:00

Lunch Break

Wednesday, 1 November 2023

14:00-18:30

Field Visit

Laboratory and facility at IPP-CAAS and Genebank of CAAS

Transportation to and from the hotel will be available

Coordinator

Local organizer

18:30-20:00

Cocktail at Empark Grand Hotel, Beijing

Day Three

Thursday, 2 November 2023

09:00-10:30

Session 7

Farmers and Extension

Chair

Ms. Alia Diyana, PANAP

Co-chair

Mr. Fuxiang Wang, NATESC

Five presentations, 12 minutes each (60 minutes in total)

1. *Large-scale dissemination of FAW IPM information to farmers and extension officers in China*
Mr. Jie Liu, NATESC, China
2. *Understanding small-scale farmers' management of FAW*
Ms. Salma Akter, Sher-e-Bangla Agricultural University, Bangladesh
3. *Innovative technologies for farm advisory in FAW management*
Hongmei Li, CABI, China
4. *Harnessing youth creativity and energy to scale up sustainable FAW management solutions*
Ms. Brenda Cheptoo, Dream team agro-consultancy, Kenya
5. *Farmer field schools as a way to co-create sustainable solutions for FAW management*
Mr. Touhidul Alam, BARCIK, Bangladesh

Panel discussion (30 minutes)

10:30-11:00

Tea Break

11:00-12:30

Session 8

Enabling Environment

Chair

Mr. Prasanna Bodduppali, CIMMYT

Co-chair

Ms. Frances Williams, CABI

Five presentations, 12 minutes each (60 minutes in total)

1. *Leveraging regional networks to manage invasive pests: AU-IAPSC example*
Mr. Saliou Niassy, AU-IAPSC
2. *Strengths and gaps in IPM research in the Global South*
Mr. Kris Wyckhuys, FAO
3. *Public-private partnership for co-development and scaling of microbial biopesticides against FAW*
Mr. Yuxian Xia, Chongqing University, China
4. *Phytosanitary capacities as a key factor in mitigating impact of invasive pests*
Mr. Isaac Macharia, KEPHIS, Kenya
5. *Lessons from the Global South on FAW management to be applied to management of future invasive pests*
Mr. Roger Day, CABI

Panel discussion (30 minutes)

12:00-13:30

Lunch Break

Thursday, 2 November 2023

13:30-15:00

Session 9

Reports on Sessions

1. Introduction (*5 minutes*)
2. Highlights of each session by chair or co-chair from six sessions (*10 minutes each, 30 minutes in total*)

Plenary discussion (*25 minutes*)

15:00-15:30

Tea Break

15:30-17:00

Session 10

Call to Action and Closing

1. Presentation on conference's call to action (*15 minutes*)
Mr. Jean Bahama, FAO RAF
2. Plenary discussion on call to action (*30 minutes*)
3. Closing (*50 minutes*)

Mr. Kongming Wu, Co-Chair of GOC; Chair of LOC (*10 minutes*)

Mr. Thaer Yaseen, FAO RNE (*10 minutes*)

Mr. Yubak GC, FAO RAP (*10 minutes*)

Mr. Jean Bahama, FAO RAF (*10 minutes*)

Mr. Jingyuan Xia, Executive Secretary of FAW Secretariat; Special Advisor to FAO Director-General (*10 minutes*)

Moderator

Mr. Thaer Yaseen, FAO Regional Office for Near East and North Africa (RNE)

Moderator

Mr. Buyung Hadi, Global Coordinator, Fall Armyworm Secretariat, FAO

Acronyms

AU-IAPSC	African Union Inter-African Phytosanitary Council
BARCIK	Bangladesh Resource Center for Indigenous Knowledge
CAAS	Chinese Academy of Agricultural Sciences
CABI	CAB International
CAS	Chinese Academy of Sciences
CIFOR-ICRAF	Center for International Forestry Research-World Agroforestry
CIMMYT	International Maize and Wheat Improvement Center
CSIRO	Commonwealth Scientific and Industrial Research Organization, Australia
DFAT	Department of Foreign Affairs and Trade, Government of Australia
FAO	Food and Agriculture Organization of the United Nations
FAW	Fall armyworm
<i>icipe</i>	International Centre of Insect Physiology and Ecology
IPPC	International Plant Protection Convention
IPP-CAAS	Institute of Plant Protection, Chinese Academy of Agricultural Sciences
KALRO	Kenya Agricultural and Livestock Research Organization
KEPHIS	Kenya Plant Health Inspectorate Service
MARA	Ministry of Agriculture and Rural Affairs, People's Republic of China
NARO	National Agriculture and Food Research Organization, Japan
NATESC	National Agro-tech Extension and Service Center
NIBIO	Norwegian Institute of Bioeconomy Research
PANAP	Pesticide Action Network Asia and the Pacific
PPD MARD	Plant Protection Division Ministry of Agriculture and Development, Viet Nam
UPLB	University of the Philippines Los Baños
USAID	United States Agency for International Development

Biographies of Keynote Speakers



Jingyuan Xia is Special Adviser to the Director-General of the Food and Agriculture Organization of the United Nations (FAO), and Executive Secretary of FAO Global Action on Fall Armyworm Control (GA-FAW). From 2020 to 2022, he was Director of Plant Production and Protection Division (NSP) of FAO, and Executive Secretary of GA-FAW. From 2015 to 2019, he was Secretary to the International Plant Protection Convention (IPPC) of FAO. From 2012 to 2014, he served as Permanent Representative and Minister Plenipotentiary at the China Mission to the United Nations Agencies for Food and Agriculture in Rome, Italy. Between 2001 and 2011, he served as Director-General and Extension Professor at the National Agro-Tech Extension and Service Center (NATESC) of the Ministry of Agriculture in Beijing. Between 1982 and 2010, he worked at the China Cotton Research Institute (CCRI) of the Chinese Academy of Agricultural Sciences (CAAS) in Anyang, Henan, China, holding positions as Assistant Director General, Deputy Director General and Director General, as well as Research Professor. Mr Xia holds a Doctor of Philosophy in Entomology from Wageningen University and Research Center in the Netherlands; a Master of Science in Entomology from the University of the Philippines; and a Bachelor of Science in Agronomy from the Central China Agriculture University.



Prasanna Boddupalli is Director of Global Maize Program at the International Maize and Wheat Improvement Center (CIMMYT) and also a member of the CIMMYT Leadership Team. Since 2022, Mr. Boddupalli has been leading the OneCGIAR Plant Health Initiative, and OneCGIAR Global Maize Breeding (including CIMMYT and IITA). Under his leadership, the CIMMYT Global Maize Program team has been successful in developing and deploying an array of elite, high-yielding, stress-resilient and nutritionally enriched maize varieties in sub-Saharan Africa, Latin America and Asia, as well as applying novel tools and technologies for enhancing genetic gains and breeding efficiency. He is also at the forefront in tackling the Maize Lethal Necrosis (MLN) disease in Africa, and the fall armyworm in Africa and Asia. From 2015 to 2021, Mr. Boddupalli served as Director of the CGIAR Research Program on Maize Agri-food Systems (MAIZE); MAIZE CRP was led by CIMMYT and implemented in partnership with IITA and about 350 research and development organizations worldwide. Prior to joining CIMMYT, Mr. Boddupalli served with the Indian Council of Agricultural Research (ICAR) at the Indian Agricultural Research Institute (IARI), New Delhi, for two decades in various capacities.



Sevgan Subramanian is Principal Scientist and Head of the Environmental Health Theme with the International Centre of Insect Physiology and Ecology (*icipe*). He has over 20 years of Insect Research for Development (R4D) experience in Asia and Africa and holds a PhD and MSc in Agricultural Entomology from Tamil Nadu Agricultural University, India. His key R4D focus is in the areas of integrated pest management (IPM) strategies for staple and horticultural crops, biopesticides, climate-change adaptation, and insects for food and feed. Mr. Subramanian coordinates fall armyworm IPM activities in *icipe*, and he has more than 180 publications.



Kongming Wu Kongming Wu is Academician of the Chinese Academy of Engineering (CAE), and President of Chinese Academy of Agricultural Sciences (CAAS). His research focuses on biology and management strategies of crop insect pests, including migratory biology, integrated pest management (IPM) strategies for cotton insect pests, impacts of Bt transgenic cotton on evolution of pest status in agricultural ecosystem, and insect resistance management (IRM) strategies for cotton bollworm/pink bollworm to Bt cotton. These IPM/IRM strategies, in applying the principle of agro-ecology and moving towards the concept of sustainable agriculture, have been widely used for insect pest management in Chinese agricultural systems, which play important roles in reducing the utilization of insecticides and improving economic output of cotton in China. Mr. Wu has been the Principal Investigator of 20 major research projects sponsored by China's Ministry of Science and Technology, China Ministry of Agriculture and Rural Affairs, and the National Natural Science Foundation of China.



Frances Williams is Director Social Science with CAB International (CABI) and leads its social science work, collaborating with team members to champion inter-disciplinary research. Ms. Williams has been involved in monitoring, evaluation and learning for over 10 years, participating in survey design and implementation, analysis, reporting and review. She has led CABI's gender work for approximately 10 years, collaborating with others to ensure that CABI's work is gender responsive, if not gender transformative. She has been involved in several pieces of work assessing the economic costs of invasive species, as well as conducting cost-benefit analyses of classical biocontrol projects.