

PROGRAMME



**Eighth International Conference on Agricultural Statistics
(18-21 November 2019)**

Theme: Statistics for Transformation of Agriculture to Achieve the Sustainable Development Goals (SDGs)

➤ Keynote/Plenary Sessions

S#	Topic, Day, Date and Time	Session Organizer/ Chair
P1	Measuring Sustainable Development Goals	Nick Austin, Global Director-Agriculture, BMGF, USA
P2	Need for Timely and Accurate Agricultural Statistics	Gero Carletto, Manager, World Bank, Washington, USA
P3	50×2030 Initiative	– Session Chair: Samaychan Boupcha, Vice Minister, Head of Lao Statistics Bureau – Organizer: Flavio Bolliger, FAO, Rome, Italy
P4	Information Pathways for Enhancing Farmers' Income	T. Mohapatra, Secretary, DARE and Director General, ICAR, New Delhi, India
P5	Financing Agricultural Statistics (Panel Discussion)	Jose Rosero Moncayo, Director, Statistics Division, FAO, Rome

THEMATIC ORAL PRESENTATION SESSIONS

Sub-Theme 1: Data Analysis/Data Integration

S#	Session Topic	Session Organizer(s)	Chair
T1.1	Sampling Methodology(1)	Hukum Chandra, New Delhi, India; E-mail: hchandra12@gmail.com	Hukum Chandra, New Delhi, India
T1.2	Sampling Methodology(2)	Hukum Chandra, New Delhi, India; E-mail: hchandra12@gmail.com	V.K. Gupta, New Delhi, India
T 1.3	Yield and Production Forecasting and Measurement	K.L. Prasad, New Delhi, India; E-mail: kl.prasad@nic.in	K.L. Prasad, New Delhi, India
T1.4	Innovation in Agricultural and Household Surveys	Alberto Zezza, Rome, Italy; E-mail: azezza@worldbank.org	Gero Carletto, World Bank, Rome, Italy
T1.5	Data integration: a Way of Improving Agricultural Statistics	Andrea Diniz, Brasil; E-mail: andrea.diniz100@gmail.com & Flavio Bolliger, FAO, Rome, Italy; E-mail: fbolliger@gmail.com	Flavio Bolliger, FAO, Rome, Italy
T1.6	Small Area Estimation: Relevant Cost-Effective Method for Producing Disaggregated Data for SDG Monitoring	Naman Keita, Rome, Italy; E-mail: Naman.Keita21@gmail.com	Naman Keita, Rome, Italy
T1.7	Spatial Sampling Designs and Spatial Data Analysis	Rajender Parsad, New Delhi, India; E-mail: rajender1066@yahoo.co.in & Baidya Nath Mandal, New Delhi, India, E-mail: bn.mandal@icar.gov.in	Rajender Parsad, New Delhi, India
T1.8	Analytical Techniques to Assess Agricultural Performance		R.C. Agrawal, New Delhi, India

Sub-Theme 2: Data Sources/Data Collection/Data Quality

S#	Session Topic	Session Organizer(s)	Chair
T2.1	Agricultural Census in the Framework of an Integrated Data Collection System(1)	Vidya dhar, New Delhi, India; E-mail: vidyadhar@nic.in, Oleg Cara, Rome Italy; E-mail: Oleg.Cara@fao.org; & Jairo Castano, Rome, Italy; E-mail: jairo.castano@fao.org	Jairo Castano, FAO Rome, Italy
T2.2	Agricultural Census in the Framework of an Integrated Data Collection System(2)	Vidya dhar, New Delhi, India; E-mail: vidyadhar@nic.in, Oleg Cara, Rome Italy; E-mail: Oleg.Cara@fao.org; & Jairo Castano, Rome, Italy; E-mail: jairo.castano@fao.org	Vidya dhar, New Delhi, India
T2.3	Cost-efficient Censuses of Agriculture	Jairo Castano, Rome, Italy; E-mail: jairo.castano@fao.org	Jairo Castano, Rome, Italy
T2.4	Role of Surveys in Producing Official Statistics	Barbara Rater, USDA, NASS, Washington, USA; E-mail: barbara.rater@nass.usda.gov	Barbara Rater, Washington, USA
T2.5	Building a Systematic Approach to Agricultural Statistics	Johan Selenius, Eurostat, Luxembourg; E-mail: johan.selenius@ec.europa.eu	Johan Selenius, Luxembourg
T2.6	Remote Sensing(1)	Shibendu Shankar Ray, New Delhi, India; E-mail: shibendu.ray@gmail.com	Shibendu Shankar Ray, New Delhi, India
T2.7	Remote Sensing(2)	Shibendu Shankar Ray, New Delhi, India; E-mail: shibendu.ray@gmail.com	
T2.8	Technologies for Data Collection	Dhrijesh Kumar Tiwari, New Delhi, India; E-mail: dhrijesh@hotmail.com	Dhrijesh Kumar Tiwari, New Delhi, India
T2.9	Frontier and Innovative Technologies	Alka Arora, New Delhi, India; E-mail: alka.arora@icar.gov.in Ramasubramanaian V., New Delhi, India; E-mail: R.Subramanian@icar.gov.in	Ramasubramanaian V., New Delhi, India
T2.10	Administrative Data	Dalip Singh, New Delhi, India; E-mail: dalip_1@hotmail.com	Dalip Singh, New Delhi, India
T2.11	Measuring the Role of Women in Agriculture	Linda J Young, Washington, USA; E-mail: Linda.Young@nass.usda.gov	Linda J Young, Washington, USA
T2.12	Country Experiences of Data Integration		Michael Steiner, Rome, Italy

Sub-Theme 3: Data Dissemination & Communication

S#	Session Topic	Session Organizer(s)	Chair
T3.1	Data Dissemination	Joseph L Parsons, Washington, USA; E-mail: joe.parsons@usda.gov & Sarah Hoffman, Washington, USA; E-mail: sarah.hoffman@usda.gov	Sarah Hoffman, Washington, USA
T3.2	Open Data	Michael A. Rahija, Rome, Italy; E-mail: michaelaustin.rahija@fao.org	Pietro Gennari, FAO, Rome, Italy
T3.3	The Geo-referencing of Agricultural Statistical Results and Sampling Frames	Susana Patricia Perez Cadena, National Institute of Statistics and Geography (INEGI) of Mexico; E-mail: susana.perez@inegi.org.mx; & Jose Arturo Blancas Espejo, Mexico; E-mail: arturo.blancas@inegi.org.mx	Jose Arturo Blancas Espejo, Mexico
T3.4	Dissemination of Agriculture Survey and Census Microdata	Marie Vander Donckt, Rome, Italy; E-mail: marie.vanderdonckt@fao.org	Marie Vander Donckt, Rome, Italy

Sub-Theme 4: Use of Statistics for Policy Making and Research

S#	Session Topic	Session Organizer(s)	Chair
T4.1	Farm Income and Farm Economy	Pratap Singh, New Delhi, India; E-mail: psbirtal@yahoo.com; & Anjani Kumar, New Delhi, India; E-mail: anjani.kumar@cgiar.org	Pratap Singh, New Delhi, India
T4.2	Credit and Investments in Agriculture	Eun jeong lee, Rome, Italy; E-mail: eunjeong.lee@fao.org, O.P. Mall, Mumbai, India; E-mail: opmall@rbi.org.in ; & Mukesh Srivastava, New Delhi, India; E-mail:mukesh.srivast1957@gmail.com	O.P. Mall, Mumbai, India
T4.3	Use of Data for Policy Making	Marie Vander Donckt, Rome, Italy; E-mail: marie.vanderdonckt@fao.org	Marie Vander Donckt, Rome, Italy;
T4.4	Produce the Data that Matters: Building Policy Responsive Data Systems	Francois Fonteneau, France; E-mail: francois.fonteneau@oecd.org	Francois Fonteneau, France
T4.5	Monitoring and Evaluation of Agricultural Policies within the Sustainable Development Goals in the EU and other Parts of the World	Laura Aguglia, Belgium; E-mail: laura.aguglia@ec.europa.eu	Laura Aguglia, Belgium;

Sub-Theme 5: Food Security, Poverty, Rural Development and Social Dimensions of Agriculture

S#	Session Topic	Session Organizer(s)	Chair
T5.1	Food Security Assessments	Carlo Cafiero, Rome, Italy; E-mail: carlo.cafiero@fao.org	Carlo Cafiero, FAO Rome, Italy
T5.2	Food Insecurity Experience Scale	Carlo Cafiero, Rome, Italy; E-mail: carlo.cafiero@fao.org	Carlo Cafiero, FAO, Rome, Italy

Sub-Theme 6: Sustainable Agricultural Production and Consumption

S#	Session Topic	Session Organizer(s)	Chair
T6.1	Measuring Sustainable Agriculture Production	Amy Heyman, Rome, Italy; E-mail: amy.heyman@fao.org & Neli Georgieva, Rome, Italy; E-mail: Neli.Georgieva@fao.org	Neli Georgieva, Rome, Italy
T6.2	Food Loss Assessment	Carola Fabi, Rome, Italy; E-mail: carola.fabi@fao.org & Jose Rosero Moncayo, FAO, Rome, Italy E-mail: Jose.RoseroMoncayo@fao.org	Jose Rosero Moncayo, FAO, Rome, Italy
T6.3	Sustainability Assessment of Agriculture; Sustainability Indicators; Bio-Physical Indicators, Socio-Economic Indicators, Ecosystem Valuation	Suresh Pal, New Delhi, India; E-mail: director.niap@icar.gov.in	Suresh Pal, New Delhi, India;

Sub-Theme 7: Natural Resource use in Agriculture

S#	Session Topic	Session Organizer(s)	Chair
T7.1	Data Analytics in Soil, Water Resources Management and Precision Agriculture	Anil Kumar Singh, New Delhi, India; E-mail: aksingh.icar@gmail.com	Anil Kumar Singh, New Delhi, India;
T7.2	Compilation of forestry accounts in African countries - Implementation of the System of Environmental-Economic Accounting-Agriculture Forestry, and Fishery	Xiaoning Gong, Addis Ababa, Ethiopia; E-mail: xiaoning.gong@un.org	Xiaoning Gong, Addis Ababa, Ethiopia;

Sub-Theme 8: Climate Change and Environmental Issues

S#	Session Topic	Session Organizer(s)	Chair
T8.1	Disaster Assessment	Mira Markova, Rome, Italy; E-mail: galimira.markova@fao.org & Sangita Dubey, FAO Bangkok, Thailand E-mail: Sangita.Dubey @fao.org	Sangita Dubey, FAO, Bangkok, Thailand
T8.2	Climate Change and Environmental Issues	K.L. Prasad, New Delhi, India; E-mail: kl.prasad@nic.in	

Sub-Theme 9: Capacity Building in Agricultural Statistics

S#	Session Topic	Session Organizer(s)	Chair
T9.1	Country Capacity Measurement	Pietro Gennari, Rome, Italy; E-mail: Pietro.Gennari@fao.org	Pietro Gennari, Rome, Italy
T9.2	Country Capacity Building	Flavio Pinto Bolliger, Rome, Italy; E-mail: flavio.bolliger@fao.org	Flavio Pinto Bolliger, Rome, Italy
T9.3	Improving Statistics for Food Security, Sustainable Agriculture and Rural Development in Africa – Key results	Ben Paul Mungyereza, Cote d'Ivoire; E-mail: b.mungyereza@afdb.org	Ben Paul Mungyereza, Cote d'Ivoire;

Sub-Theme 10: Monitoring the SDGs

S#	Session Topic	Session Organizer(s)	Chair
T10.1	Experience of statistical systems in implementing ICT tools to improve the quality of agricultural statistics for SDG monitoring	L. Nagraj Rao, Philippines; E-mail: nagrajrao@adb.org	L. Nagraj Rao, Philippines
T10.2	Role of Private Sector in Promoting New Technology for Agricultural Statistics to Enhance SDG Monitoring	Pamela Lapitan, Philippines; E-mail: plapitan@adb.org	Pamela Lapitan, Philippines

Special Session

S#	Session Topic	Session Organizer(s)	Chair
T11.1	2nd Phase of Global Strategy	Christophe Duhamel, FAO, Rome, Italy E-mail: christophe.Duhamel@fao.org	Jose Rosero Moncayo, FAO, Rome, Italy

VENUE AND PROGRAMME SUMMARY

18 November 2019	
Venue: ICAR Convention Hall, NASC Complex, DPS Marg, New Delhi, India	
Inaugural Function	
Keynote Session	

19-21 November 2019	
Venue: The ASHOK, Chanakyapuri, New Delhi	
➤ Sessions should run concurrently in the following halls at The ASHOK.	
For Plenary Sessions	
Hall 1	: Convention Hall (Ground Floor)
For Plenary Sessions	
Hall 1.1	: Convention Hall - Centre Partition
Hall 1.2	: Convention Hall - Left Partition
Hall 2	: Banquet Hall (3 rd Floor)
Hall 3	: Friends Lounge (3 rd Floor)
Hall 4	: Room No. 292 (2 nd Floor)
Hall 5	: Room No. 293 (3 rd Floor)
Hall 6	: Room No. 294 (3 rd Floor)

Programme Brief

Venue: ICAR Convention Hall, NASC Complex, DPS Marg, New Delhi, India

Day 1: November 18, 2019 (Monday):

1400-1600	Inaugural Session
1600-1645	High Tea
1645-1830	Keynote Session P1: Measuring SDGs
1900-	Dinner

19-21 November 2019

Venue: The ASHOK, Chanakyapuri, New Delhi

Day 2: 19.11.2019 (Tuesday)

Time	Details
0900-1030	Plenary Session P2: Hall 1
1030-1100	Tea Break
1100-1230	6 Concurrent Sessions: T1.1: Hall 1.1; T2.1: Hall 3; T2.4: Hall 4; T3.4: Hall 5; T7.1: Hall 2; T10.1: Hall 6
1230-1400	Lunch
1400-1530	5 Concurrent Sessions: T1.3: Hall 3; T2.2: Hall 6; T3.2: Hall 4; T4.4: Hall 2; T8.1: Hall 5
1530-1600	Tea Break
1600-1730	5 Concurrent Sessions: T1.4: Hall 5; T2.5: Hall 6; T2.8: Hall 2; T4.2: Hall 3; T9.2: Hall 4
1800-1930	5 Concurrent Sessions: T2.3: Hall 3; T4.1: Hall 2; T6.1: Hall 4; T6.3: Hall 5; T7.2: Hall 6
2000-2200	Dinner

Day 3: 20.11.2019 (Wednesday)

Time	Details
0900-1030	Plenary Session P3: Hall 1
1030-1100	Tea Break
1100-1230	6 Concurrent Sessions: T1.2: Hall 1.2; T1.5: Hall 2; T1.8: Hall 4; T2.6: Hall 5; T2.11: Hall 1.1; T6.2: Hall 6
1230-1400	Lunch
1400-1530	Poster Session: Hall 3
1530-1600	Tea Break
1600-1730	Plenary Session P4: Hall 1
1800-1930	Cultural Programme
1930-2200	Conference Dinner

Day 4: 21.11.2019 (Thursday)

Time	Details
0900-1030	7 Concurrent Sessions: T1.6: Hall 1.2; T2.7: Hall 4; T2.12: Hall 5; T3.3: Hall 2; T5.1: Hall 1.2; T9.1: Hall 1.1; T10.2: Hall 6
1030-1100	Tea Break
1100-1230	5 Concurrent Sessions: T1.7: Hall 5; T2.10: Hall 6; T4.3: Hall 2; T5.2: Hall 4; T8.2: Hall 3
1230-1330	Food Insecurity Experience Scale Training Session
1230-1400	Lunch
1400-1530	5 Concurrent Sessions: T2.9: Hall 6; T3.1: Hall 4; T4.5: Hall 5; T9.3: Hall 3; T11.1: Hall 2 (Details of the sessions are)
1530-1600	Tea Break
1600-1730	Plenary Session P5: Hall 1
1730-1800	Closing Ceremony: Hall 1

Conference Programme

Day 1: 18 November, 2019 (Monday):

1400-1600	Inaugural Session	
1600-1645	High Tea	
1645-1830	Keynote Session (P1): Measuring SDGs Chair: Nick Austin, BMGF	
S#	Title	Speaker
P1.1	Are we serious about achieving the SDGs? How global monitoring can help get us back on track	Pietro Gennari, FAO, Rome, Italy
P1.2	Official Statistics for Monitoring SDGs - the EU Experience	Mariana Kotzeva, EUROSTAT
P1.3	Measurement of Sustainable Development Goals	Ramesh Chand, Niti Aayog, India
1900-2100	Dinner	

Day 2: 19 November 2019 (Tuesday)

0900-1030	Plenary Session : Hall 1 P2: Need for Timely and Accurate Agricultural Statistics Chair: Gero Carletto, World Bank, Washington, USA	
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S#	Title	Speaker
P2.1	Data demands and technological solutions for generating timely and accurate agricultural statistics	Vasudha Mishra, Special Secretary, DAC & FW, MoA&FW, Govt. of India
P2.2	Initiatives of MoSPI for monitoring of Indian Economy	Pravin Srivastava, Chief Statistician Ministry of Statistics & Programme Implementation, Govt. of India, New Delhi
P2.3	Revising Efforts in Agriculture Data to Make Them Not Just Farm But Also Farmer Centric	Purvi Mehta, Senior Advisor & Head of Agriculture (SA), Bill & Melinda Gates Foundation

1030-1100	Tea Break
1100-1230	6 Concurrent Sessions: T1.1: Hall 1.1; T2.1: Hall 3; T2.4: Hall 4; T3.4: Hall 5; T7.1: Hall 2; T10.1: Hall 6 (Details of these 7 Concurrent Sessions are)

T1.1: Sampling Methodology 1: Hall 1.1

Chair: Hukum Chandra, ICAR-IASRI, New Delhi, India

Presentation and Abstract ID	Title	Speaker
T1.1.1 A1-1-012	A Model-Assisted Approach to identify a Cost-Efficient Spatial Sampling Strategy	Luis Ambrosio, Spain
T1.1.2 A1-1-058	Improving Efficiency of the Sample Design in the Finnish Horticultural Survey	Mika Kuoppa-aho, Finland
T1.1.3 A1-1-023	Non Over Lapping Samples in Agricultural Surveys: Issues on Cumulating Data	Flavio Pinto Bolliger, Italy
T1.1.4 A1-1-018	Optimal Sampling for the Integrated Observation of Related Populations	Piero Demetrio Falorsi, Italy

T2.1: Agricultural Census in the Framework of an Integrated Data Collection System 1: Hall 3
Chair: Jairo Castano, FAO, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T2.1.1 A12-13-016	Agricultural Census in the Russian Federation, Experience and Prospects in the SDG Framework	Konstantin Laykam, Russia
T2.1.2 A2-2-027	Linking Agricultural Census with Population and Housing Censuses in Georgia	Irakli Tsikhelashvili, Georgia
T2.1.3 A2-2-022	New Methodological Solutions for the Implementation of Agricultural Census 2020 in Hungary	Gabor Valko, Hungary
T2.1.4 A2-2-010	The Census of Agriculture in the Canadian Statistical System: Adapting to an Evolving Context	Augustine Akuoko-Asibey, Canada
T2.1.5 A2-2-005	The Modern 2020 Agricultural Census in Spain: An Innovative Approach for a Massive use of Administrative Sources in an Integrated Statistical System	Antonio Martinez, Spain

T2.4: Role of Surveys in Producing Official Statistics: Hall 4
Chair: Barbara Rater, Washington, USA;

Presentation and Abstract ID	Title	Speaker
T2.4.1 A2-2-035	Using all Data Sources to Produce Agricultural Statistics: What does that mean for Surveys?	Linda J Young, USA
T2.4.2 A2-2-028	Using New Information Sources for Agricultural Statistics -European Statistical System Experience	Christine Wirtz, Luxembourg
T2.4.3 A2-2-033	Collection of Farm Gate Prices through Surveys in Kenya	John Gitau Mburu, Kenya

T3.4: Dissemination of Agriculture Survey and Census Microdata: Hall 5
Chair: Marie Vander Donckt, FAO, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T3.4.1 A3-5-014	Agriculture Microdata Dissemination and Archiving System in Nepal	Mahesh Kumar Subedi, Nepal
T3.4.2 A3-5-011	Disseminating European Data at Farm Level while Keeping Confidentiality: Scientific Use Files and Homogeneous Spatial Units	Helena Ramos, Luxembourg
T3.4.3 A3-5-015	Improving Data Dissemination and Use in the Pacific Region	Michael Keith Sharp, New Caledonia
T3.4.4 A3-5-008	Microdata Dissemination in AGRISurvey Project: Challenges, Solutions and Country Experiences	Marie Vander Donckt, Italy

T7.1: Data Analytics in Soil, Water Resources Management and Precision Agriculture: Hall 2
Chair: Anil Kumar Singh, NAAS, New Delhi, India

Presentation and Abstract ID	Title	Speaker
T7.1.1 A5-7-011	Water Productivity for Irrigated Sunflower Under Different Irrigation Intervals on Gezira Clay Soil, Sudan	Eman Elsheikh, Sudan
T7.1.2 A7-9-006	Drought and Surface Water Monitoring: Remote Sensing Technologies for Decision Making	P.D. Sreekanth, India
T7.1.3 A7-9-009	NRM Data Needs for Real Time Decision Making	Anil Kumar Singh, India

T10.1: Experience of statistical systems in implementing ICT tools to improve the quality of agricultural statistics for SDG monitoring: Hall 6**Chair: L. Nagraj Rao, Asian Development Bank, Philippines**

Presentation and Abstract ID	Title	Speaker
T10.1.1 A11-12-018	Using Paradata from CAPI Based Data Collection Activities to Support Questionnaire Design and Field Operations Monitoring	Chencho Dukpa, Bhutan
T10.1.2 A11-12-021	Women's Ownership of Agriculture Land and SDG Indicator 5.A.1 – Using CAPI to Sample Respondents in Bhutan's Agriculture Census	Manisha Subba, Bhutan
T10.1.3 A11-12-015	Computer-Assisted Personal Interviewing in Agriculture: A Pilot National Survey in Sri Lanka	Kariyawasam Weraniyagodage Sarath Saddhananda, Sri Lanka
T10.1.4 A11-12-016	Measuring Rice Yield from space: The case of Thai Binh, Viet Nam	Ngo The Hien, Vietnam

1230-1400 Lunch

1400-1530 5 Concurrent Sessions: T1.3: Hall 3; T2.2: Hall 6; T3.2: Hall 4; T4.4: Hall 2; T8.1: Hall 5 (Details of the sessions are)

T1.3: Yield and Production Forecasting and Measurement: Hall 3**Chair: K.L. Prasad, DES, New Delhi, India**

Presentation and Abstract ID	Title	Speaker
T1.3.1 A2-2-031	Agricultural Statistics Production – The Case of Zimbabwe	Manasa Viriri, Zimbabwe
T1.3.2 A1-1-067	SatAgrarStat – Assessing a Method of Crop Yield Estimation Incorporating Remote Sensing	Ute Walsemann, Germany
T1.3.3 A1-1-029	Challenges and Opportunities in Agriculture Crop Statistics - Case of India	P.R. Meshram, India
T1.3.4 A1-1-031	Modeling Based Approach for Estimating and Forecasting Crop Statistics	K.K. Singh, India
T1.3.5 A1-1-006	Use of Double Technique Based Domain Estimation Approach for Estimating Crop Area and Yield under Mixed Cropping	U.C. Sud, India

T2.2: Agricultural Census in the Framework of an Integrated Data Collection System (2): Hall 6**Chair: Vidya dhar, DAC&FW, New Delhi, India**

Presentation and Abstract ID	Title	Speaker
T2.2.1 A2-2-037	Adapting Agricultural Census Modalities to New Requirements in an Integrated System of Data Collection	Jairo Castano, Italy
T2.2.2 A2-2-011	Coordination of Agricultural Censuses with Population Censuses and Other Statistical Data Collections	Giorgi Kvinikadze, Hungary
T2.2.3 A2-2-040	Multiple Data Sources for Agricultural Census in Finland	Esa Katajamäki, Finland
T2.2.4 A2-2-038	Census of Agriculture: which Lessons Learnt through Years? Case of Botswana	Sandra Modise, Botswana

T3.2: Open Data:Hall 4		
Chair: Pietro Gennari, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T3.2.1 A3-5-035	Research Data Management in Indian Agricultural Research System and its Accessibility	Rajender Parsad, India
T3.2.2 A3-5-010	Towards an Open Policy of Microdata Dissemination in Africa: Lessons Learned from the Use of the NADA Portal. The Case of Senegal	Bourama Mane, Sénégal
T3.2.3 A3-5-029	Open Classifications for Open Statistical Data	Sangita Dubey, Thailand
T3.2.4 A3-5-013	Open Microdata? Adapting Open Data Standards for Microdata	Pietro Gennari, Italy

T4.4: Produce the Data that Matters: Building Policy Responsive Data Systems: Hall 2		
Chair: Francois Fonteneau, OECD, paris, France		
Presentation and Abstract ID	Title	Speaker
Moderated Discussion: 30 minutes: What does it mean to be policy responsive?		
The Financial and Technical Partner Perspective		Purvi Mehta, India
The Policy Maker Perspective		Saurabh Garg, India
Panel 40 minutes: Putting Solutions at scale		
T4.4.1 A4-6-065	Producing the Data Needed for Policies	Michael Steiner, Italy
T4.4.2 A4-6-066	What could Statisticians do to be More Meaningful to Policy Data Needs? (Integrating Datasets on Rice-Based Agri-Food System to Enhance Policy Advice Effectiveness)	Jean Balie, Philippines
T4.4.3 A4-6-017	The Policy Relevance of the Establishment Based Statistics on Agriculture from Economic Census 2018 of Nepal (Establishment Based Statistics on Agriculture from Economic Census 2018 of Nepal)	Hem Raj Regmi, Nepal
T4.4.4	Adapting the Data Production to Needs: ADAPT an Innovative Tool Improving Data Planning	Francois Fonteneau, France
Q&A 20 minutes		

T8.1: Disaster Assessment: Hall 5		
Chair: Sangita Dubey, FAO, Bangkok, Thailand		
Presentation and Abstract ID	Title	Speaker
T8.1.1 A8-10-016	Socio-Economic Analysis of Floods in Kerala-2018	Sreepriya, P., India
T8.1.2 A8-10-013	FAO's Methodology for Damage and Loss Assessment in Agriculture	Sangita Dubey, Thailand
T8.1.3 A8-10-014	Using Farm-Based Agricultural Surveys to Estimate Damage and Loss from Disasters in Agriculture – Evidence from Nepal	Mahesh Kumar Subedi, Nepal
T8.1.4 A8-10-017	Climate Change Vulnerability of Rural Households in Flood-Prone Areas of Himalayan Foothills, West Bengal, India	Manoranjan Ghosh, India

1530-1600	Tea Break
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1600-1730	5 Concurrent Sessions:T1.4: Hall 5; T2.5: Hall 6;T2.8: Hall 2; T4.2: Hall 3; T9.2: Hall 4 (Details of the sessions are)
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T1.4: Innovation in Agricultural and Household Surveys: Hall 5

Chair: Gero Carletto, World Bank, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T1.4.1 A1-1-034	Comparative Analysis of the Self-Reported, GPS-Based, Digital Map Based, and Paper-Based Area Measurements at the Plot Level:	Alberto Zezza, Italy
T1.4.2 A1-1-035	Getting the (Gender-Disaggregated) Lay of the Land: The Impact of Survey Respondent Selection on Measuring Land Ownership and Rights	Lameck Million, Malawi
T1.4.3 A1-1-045	Integrating Social, Biophysical and Earth Observations Data to Improve Understanding of Factors Contributing to Crop Yield in Mali, with Further Application to Agricultural Statistical Infrastructure and Estimation of Agricultural Production in Non-Permissive Environments	Kiersten B. Johnson, USA
T1.4.4 A1-1-033	Land Measurement Bias: Comparisons from Global Positioning System, Self-Reports, and Satellite Data	Lakshman Nagraj Rao, Philippines

T2.5: Building a Systematic Approach to Agricultural Statistics: Hall 6

Chair: Johan Selenius Eurostat, Luxembourg

Presentation and Abstract ID	Title	Speaker
T2.5.1 A2-2-006	The Belize Agriculture Information Management System- Collection, Storage, Analysis, Reports Agriculture Statistics	Milagro Matus, Belize
T2.5.2 A2-2-020	Agriculture and Rural Development Statistics in Nepal	Badri Kumar Karki, Nepal
T2.5.3 A2-2-017	An Appraisal of Fisheries Data Collection Systems in Malawi	Mexford Mulumpwa, Malawi
T2.5.4 A2-2-016	Use of Satellite Data in Agricultural Statistics in Poland	Artur Łączyński, Poland

T2.8: Technologies for Data Collection: Hall 2

Chair: Dhrijesh Kumar Tiwari, NSSO, New Delhi, India;

Presentation and Abstract ID	Title	Speaker
T2.8.1 A2-3-012	Adapting CAPI to National Surveys: Quantifying the Effects versus PAPI using Sri Lanka's Agricultural Household Survey	Dave Pipon, Philippines
T2.8.2 A2-3-008	CSPro Android Implementations in African Population and Housing Censuses: Observed Opportunities and Challenges for Agricultural Censuses	Oliver P. Fischer, USA
T2.8.3 A2-3-002	Improving Cassava Production and Productivity Measurement: Lessons from an Experiment in Zanzibar, Tanzania	Mzee Mohamed Mzee, Tanzania
T2.8.4 A2-3-009	The use of Technologies to Improve the Quality and the Efficiency of the 2017-2019 Fishers' Census in Haiti	Rideler Philius, Haiti

T2.8.5 A2-3-007	Mobile Assisted Personal Interview Software- Filed Experiences from Implementation in Crop Estimation Survey in India	Kaustav Aditya, India
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T4.2: Credit and Investments in Agriculture: Hall 3

Chair: O.P. Mall, RBI, Mumbai, India

Presentation and Abstract ID	Title	Speaker
T4.2.1 A4-6-048	Data-driven Policy for Financing Agriculture: In the Realms of Practitioners' Endeavours since 1950s	Saket Kumar, India
T4.2.2 A4-6-018	Adequacy of data on Credit to Agriculture (C2A) in support of the Sustainable Development Goal (SDG) 2	Mukesh Srivastava, India
T4.2.3 A4-6-032	Empirical Relationship between Credit Flow and Agriculture Production	Gangaram Bhattarai, Nepal
T4.2.4 A4-6-053	The Priority Setting of Proveniences for Investment in Iran's Agronomy Subsector with Taxonomy Technique	Farhad Nouparast, Iran

T9.2: Country Capacity Building: Hall 4

Chair: Flavio Pinto Bolliger, FAO, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T9.2.1 A10-11-016	Capacity Building in Agricultural Statistics: Case of Georgia	Demna Dzirkvadze, Georgia
T9.2.2 A10-11-013	Technical Assistance on Master Sampling Frame (MSF) in Africa	Naman Keita, Italy
T9.2.3 A10-11-015	The Role of Statistical Training Institutions in Capacity Building in Agricultural Statistics: Evidence from Eastern Africa Statistical Training Centre	Godfrey Saga, Tanzania
T9.2.4 A1-1-047	A Way of Improving Agricultural Statistics in Cambodia	Nor Vanndy, Cambodia

1800-1930	5 Concurrent Sessions: T2.3: Hall 3; T4.1: Hall 2; T6.1: Hall 4; T6.3: Hall 5; T7.2: Hall 6 (Details of the session are)
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T2.3: Cost-efficient Censuses of Agriculture: Hall 3

Chair: Jairo Castano, FAO, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T2.3.1 A2-2-029	Technology in Support of Efficient Agriculture Census Data Collection and Dissemination	Dalip Singh, India
T2.3.2 A2-2-023	2017 Brazilian Census of Agriculture: Strategies to Mitigate the Impacts of Budgetary Constraints	Octavio Costa de Oliveira, Brazil
T2.3.3 A2-2-008	Streamlining the Cost of the Census of Agriculture	Jairo Castano, Italy
T2.3.4 A2-2-009	The Agriculture-Zero project and the Canadian Census of Agriculture	Augustine Akuoko-Asibey, Canada
T2.3.5 A2-2-021	Using Mobile Data Collection as a Catalyst in Linking Population and Housing Censuses with Agricultural Censuses and Reducing Costs	Oliver P. Fischer, USA

2000-2200	Dinner
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T4.1: Farm Income and Farm Economy: Hall 2		
Chair: Pratap Singh Birthal, ICAR-NIAP, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T4.1.1 A4-6-034	Impact of Crop Diversification towards High-Value Crops on Farm Income and Poverty in India	Anuja A.R., India
T4.1.2 A4-6-011	Looking Beyond the Farm and Household: Determinants of On-farm Diversification in India	Varun Kumar Das, India
T4.1.3 A4-6-004	Modelling Farmer Choice between Crops and Raw Milk Production in Senegal	Mamadou Daffe, Senegal
T4.1.4 A4-6-005	The Well-Being of Pluriactive Farmers in Northern France	Amar Djouak, France
T4.1.5 A4-6-003	Impact of Climate-Smart Technologies Adoption on Yield and Economic Return of Farming Household in Benin: A Case Study of Drought Tolerant Maize (DTM) Varieties	Tchègoun Michel Atchikpa, Senegal

T6.1: Measuring Sustainable Agriculture Production: Hall 4		
Chair: Neli Georgieva, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T6.1.1 A6-8-019	The Farm Survey as the Preferred Data Collection Instrument for SDG 2.4.1	Neli Georgieva, Italy
T6.1.2 A6-8-030	Measuring Agricultural Sustainability in Vidarbha Region of Maharashtra	Prema Borkar, India

T6.3: Sustainability Assessment of Agriculture; Sustainability Indicators; Bio-Physical Indicators, Socio-Economic Indicators, Ecosystem Valuation: Hall 5		
Chair: Suresh Pal, ICAR- NIAP, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T6.3.1 A6-8-028	Climatic Anticipation of Dry Cereal Producers in the Groundnut Basin of Senegal	Pape Bilal Diakhaté, Senegal
T6.3.2 A6-8-004	Sustainable Development of Agriculture in Russia on the Basis of Inclusiveness	Vadim Demichev, Russia
T6.3.3 A6-8-006	Agriculture and Ecosystem Services: Synthesis of Issues and Way Forward	Suresh Pal, India

T7.2: Compilation of forestry accounts in African countries - Implementation of the System of Environmental-Economic Accounting-Agriculture Forestry, and Fishery: Hall 6		
Chair: Xiaoning Gong, UNECA, Ethiopia		
Presentation and Abstract ID	Title	Speaker
T7.2.1 A2-2-051	Application of Environmental Extended-Supply Use Tables (EE-SUT) on Forestry in Senegal	Insa Sadio, Senegal
T7.2.2 A2-2-048	Experimental Forest Accounts in Cameroon: Physical Supply and Uses Table for Timber Resources	Achille Carlos Deffo, Cameroon
T7.2.3 A2-2-050	Forestry and Exchanges with other Industries in the National Accounts of Morocco	Driss Baba, Morocco
T7.2.4 A2-2-049	Forestry in the National Accounts of Morocco	Lamkadem Abderrahman, Morocco
T7.2.5 A2-2-052	Lessons Learned from the Application of Environmental Extended-Supply Use Tables (EE-SUT) on Forestry in Senegal	Mouhamadou Bassirou Diouf, Senegal
Discussants: Ali Yedan; Isidore Kahoui; Issoufou Seidou Sanda; Jukka Muukkonen; Salah Markcel Senge		

Day 3: 20 November 2019 (Wednesday)

0900-1030	Plenary Session : Hall 1 P3: 50×2030 Initiative Chair: Samaychan Boupcha, Vice Minister, Head, Lao Statistics Bureau, Lao PDR	
S#	Title	Speaker
P3.1	Scaling up the Production of Agricultural and Rural Survey Data	Jose Rosero Moncayo, FAO, Rome, Italy
P3.2	Fostering Innovation and Use of Agricultural and Rural Development Data	Gero Carletto, Manager, World Bank, Washington, USA
1030-1100	Tea Break	
1100-1230	6 Concurrent Sessions: T1.2: Hall 1.2; T1.5: Hall 2; T1.8: Hall 4; T2.6: Hall 5; T2.11: Hall 1.1; T6.2: Hall 6 (Details of the sessions are)	

T1.2: Sampling Methodology 2: Hall 1.2**Chair: V.K. Gupta, ICAR, New Delhi, India**

Presentation and Abstract ID	Title	Speaker
T1.2.1 A1-1-019	Accuracy of Aggregates Built by Integration of Administrative and Survey Data	Giorgio Alleva, Italy
T1.2.2 A1-1-015	Sampling in Complex Scenarios: Finding Breathing Space for NSOs	Mohammad Amirul Islam, Bangladesh
T1.2.3 A1-1-046	Modified Sampling Methodology for Estimation of Area and Production of Horticultural Crops	Tauqueer Ahmad, India
T1.2.4 A1-1-072	Redefining Poverty Line	Padam Singh, India

T1.5: Data integration: a Way of Improving Agricultural Statistics: Hall 2**Chair: Flavio Bolliger, FAO, Rome, Italy**

Presentation and Abstract ID	Title	Speaker
T1.5.1 A1-1-042	Examining ICT-led Growth using South Africa's Public-Private Data Set: An Industry-Level Analysis	Mapula Hildah Lefophane, South Africa
T1.5.2 A1-1-022	From Collection to Integration: Applying Statistical Matching to Primary and Secondary Farm Data	Riccardo D'Alberto, Italy
T1.5.3 A1-1-025	Agricultural Data Integration Using Spatial Subgroups Analysis	Zhengyuan Zhu, USA

T1.8: Analytical Techniques to Assess Agricultural Performance: Hall 4**Chair: RC Agrawal, PPYFRA, New Delhi, India**

Presentation and Abstract ID	Title	Speaker
T1.8.1 A1-1-004	Methods of Data Analysis Used in Measuring the Performance of Agriculture	Habtamu Alem, Norway
T1.8.2 A1-1-030	Econometric Modeling of Acreages under Major Food Grain Crops Factoring in the Spatial Effects of Rainfall.	Nilabja Ghosh, India
T1.8.3 A3-5-028	Spatio-Temporal Data Mining of Crop Yields in India to Assess Agricultural Performance	Anubhav Jaiswal, India
T1.8.4 A6-8-016	Towards Sustainable Food Production Systems in Qatar: Assessment of the Viability of Aquaponics	Sana Abusin, Qatar

T2.6: Remote Sensing 1: Hall 5		
Chair: Shibendu Shankar Ray, DAC&FW, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T2.6.1 A2-3-032	Use of Satellite Remote Sensing for Improvement of Agricultural Statistics in India	Neetu, India
T2.6.2 A2-3-011	Agricultural Statistics Transformation based on Remote Sensing Data for Administrative and Sustainable Development Goals Purposes	Tomasz Milewski, Poland
T2.6.3 A2-3-025	Beyond NDVI: Impact of Distribution Characteristics of Alternative Remotely-Sensed Data on County Maize Yield Estimates	Arthur Rosales, USA
T2.11: Measuring the Role of Women in Agriculture: Hall 1.1		
Chair: Linda J Young, USDA, Washington, USA		
Presentation and Abstract ID	Title	Speaker
T2.11.1 A2-4-010	Beyond the Sex of the Holder: Women and Men's Decision-Making in Agriculture in Uganda	Farzana Ramzan, USA
T2.11.2 A2-4-003	Gender Statistics in Agricultural Activity in Mexico	José Arturo Blancas Espejo, Mexico
T2.11.3 A2-4-018	Measuring Women's Empowerment in Agriculture in National-Level Surveys: Recommendations for the 50x2030 Initiative to Close the Agricultural Data Gap	Farzana Ramzan, USA
T2.11.4 A2-4-015	The 2017 Census of Agriculture—Opportunity for Education on the Role of Women on the Farm	Barbara R. Rater, USA
T2.11.5 A2-4-005	Women in Agriculture in the Context of Statistics: Armenia Experience	Anahit Safyan, Armenia

T6.2: Food Loss Assessment: Hall 6		
Chair: Jose Rosero Moncayo, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T6.2.1 A6-8-009	Measurement of Post-Harvest Losses in Malawi	Emmanuel Jofilisi Mwanaleza, Malawi
T6.2.2 A6-8-023	Measurement of Pre-Harvest Losses due to Pests: A Literature Review and Proposal of New Assessment Methods	Neli Georgieva, Italy
T6.2.3 A6-8-001	Pilot Test on Estimation of Food Loss in Fruits and Vegetables, Mexico Experiences	Jose Luis Hernandez Rodriguez, Mexico
T6.2.4 A6-8-018	Update on Estimating Food Loss and Food Waste along the U.S. Food Supply Chain	Linda Kantor, USA

1230-1400	Lunch
1400-1530	Poster Session: Hall 3
1530-1600	Tea Break

1600-1730	Plenary Session: Hall 1 P4: Information Pathways for Enhancing Farmers' Income Chair: T. Mohapatra, Secretary, DARE and Director General, ICAR, New Delhi, India	
S#	Title	Speaker
P4.1	Enhancing income approaches to agriculture	Ashok Dalwai, National Rainfed Area Authority (NRAA), New Delhi
P4.2	Estimating and enhancing farm income in the United States: The role of USDA data and analysis	Marca Weinberg, United States Department of Agriculture, Washington
P3.3	What prospect for digital apps to support farmers' management of climate risk?	Peter Carberry, ICRISAT, Hyderabad

1800-1930	Cultural Programme
1930-	Conference Dinner

Day 4: 21 November 2019 (Thursday)

0900-1030	7 Concurrent Sessions: T1.6: Hall 1.2; T2.7: Hall 4; T2.12: Hall 5; T3.3: Hall 2; T5.1: Hall 1.2; T9.1: Hall 1.1; T10.2: Hall 6 (Details of the Sessions are)
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T1.6: Small Area Estimation: Relevant Cost-Effective Method for Producing Disaggregated Data for SDG Monitoring: Hall 1.2
Chair: Naman Keita, FAO, Rome, Italy

Presentation and Abstract ID	Title	Speaker
T1.6.1 A1-1-037	Disaggregate Level Estimation of Food Insecurity Incidence for the State of Uttar Pradesh in India by Combining Survey and Census Data	Hukum Chandra, India
T1.6.2 A1-1-050	Implementation of SAE to Produce District Level Agricultural Statistics in Developing Countries: Lessons Learned from the Tanzania's Experience	Aberash Tariku Abaye, Ethiopia
T1.6.3 A1-1-060	Issues in the Integration of Survey and Administrative Data on Agriculture: A Case Study of Namibia	Emily Berg, USA

T2.7: Remote Sensing 2: Hall 4

Chair: Shibendu Shankar Ray, MNCFC, DAC&FW, New Delhi, India

Presentation and Abstract ID	Title	Speaker
T2.7.1 A2-3-020	Integrating Earth Observations into Feed the Future to Enhance Programmatic Decision making, Monitoring and Evaluation in the US Government's Global Hunger and Food Security Initiative	Kiersten B. Johnson, USA
T2.7.2 A2-3-010	Satellite-Derived Services for a Sustainable and Productive Agriculture	Delucq, France
T2.7.3 A2-3-024	Using Deep Convolutional Network on Remote Sensing Data for Crop Area Estimation to Improve the Quality of Statistical Agricultural Data in Indonesia: A Case Study of Paddy Fields in Indonesia	Erika Siregar, Indonesia

T2.12: Country Experiences of Data Integration: Hall 5 Chair: Michael Steiner, World Bank, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T2.12.1 A11-12-020	Capturing Aid Flows to Food Security and Food Safety Interventions in Light of SDG 2	Silvia Missiroli, Italy
T2.12.2 A10-11-012	Technical and Institutional Challenges in Providing Access to Agricultural Survey Microdata: the Experience of the Uganda Bureau of Statistics	Patrick Okello, Uganda
T2.12.3 A2-2-030	Developing an Integrated System of Agricultural Census and Survey Programme for Monitoring SDGs at National Level-Issues and Challenges	Vidyadhar, India
T2.12.4 A4-6-052	Assessing Input Use Dynamics in Indian Farms with Representative Cost of Cultivation Surveys	Shivendra Kumar Srivastava, India

T3.3: The Geo-referencing of Agricultural Statistical Results and Sampling Frames: Hall 2 Chair: Jose Arturo Blancas Espejo, INEGI, Mexico		
Presentation and Abstract ID	Title	Speaker
T3.3.1 A3-5-021	Geocoding Households and Farms Using What3words	Anare Motokula, Fiji
T3.3.2 A3-5-007	The Georeferencing of Agricultural Statistical Results	Jose Luis Hernandez Rodriguez, Mexico
T3.3.3 A2-2-013	Improving Paddy Statistics in Indonesia: Implementation of a Crop Cutting Survey Using area Sampling Frame	Ratna Rizki Amalia, Indonesia

T5.1: Food Security Assessments: Hall 1.2 Chair: Carlo Cafiero, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T5.1.1 A5-7-026	A Method to Estimate the Variability in Usual Dietary Energy Consumption from Household Consumption and Expenditure Surveys	Carlo Cafiero, Italy
T5.1.2 A5-7-022	Consumption of Food Away from Home: Trends in Asia-Pacific and Implications for Food Security Analysis	Sangita Dubey, Thailand
T5.1.3 A5-7-027	Estimating the Prevalence of Undernourishment (Pou) at Subnational Level with Household Consumption and Expenditure Survey Data	Carlo Cafiero, Italy
T5.1.4 A5-7-015	The Question of Access: Using of Official Data for Food Security Analysis	Astrid Mathiassen, Norway
T5.1.5 A5-7-012	Prevalence of Undernourishment in Indian States: Explorations Based on NSS 68th Round Data	Vikas Rawal, India

T9.1: Country Capacity Measurement: Hall 1.1		
Chair: Pietro Gennari, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T9.1.1 A10-11-014	Assessing the Capacity of National Statistical Systems to Compile and Use SDG Indicators Related to Food and Agriculture	Pietro Gennari, Italy
T9.1.2 A10-11-009	Evaluating Progress on Capacity Development for Agricultural Statistics in Africa	Vincent Ngandakumana, Cote d'Ivoire
T9.1.3 A10-11-019	Statistical Performance Index- Measuring the Statistical Capacity of Nations	Juderica Dias, USA
T9.1.4 A10-11-005	India's Capacity in Agricultural Statistics	Pankhudi Shukla, India
T9.1.5 A10-11-018	Understanding and Measuring Data Use in Food and Agricultural Policies	François Fonteneau, France

T10.2: Role of Private Sector in Promoting New Technology for Agricultural Statistics to Enhance SDG Monitoring: Hall 6		
Chair: Pamela Lapitan, Asian Development Bank, Philippines		
Presentation and Abstract ID	Title	Speaker
T10.2.1 A12-13-025	Crop Monitoring in Central and West Asia Utilizing Satellite Optical and Radar Data	Alexandr Sakal, USA
T10.2.2 A12-13-023	JAXA's Contribution to Agricultural and Rural Statistics	Kei Oyoshi, Japan
T10.2.3 A12-13-024	Satellite-based Technology Applications to Aid Agricultural and Rural Statistics	Toshio Okumura, Japan
T10.2.4 A12-13-026	Measuring Agricultural Sustainability Impact Using Causal / Bayesian Analysis on Socioeconomic and Biophysical Parameters	Richa Hukumchand, India

1030-1100	Tea Break	
1100-1230	5 Concurrent Sessions: T1.7: Hall 5; T2.10: Hall 6; T4.3: Hall 2; T5.2: Hall 4; T8.2: Hall 3 (Details of the sessions are)	

*FIES training by Carlo Cafiero, Italy in Hall 4

T1.7: Spatial Sampling Designs and Spatial Data Analysis: Hall 5		
Chair: Rajender Parsad, ICAR-IASRI, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T1.7.1 A1-1-028	Distance Balanced Sampling Plans Useful for Sampling from Naturally Ordered Populations	B.N. Mandal, India
T1.7.2 A1-1-056	GIS based Spatial Sampling Designs for Regular and Irregular Spatial Units	Prachi Misra Sahoo, India
T1.7.3 A1-1-053	Spatio-temporal Analysis of Paddy and Wheat Residue Burning in North India during 2018-19 Using Satellite Remote Sensing	V.K. Sehgal, India
T1.7.4 A1-1-013	Improving Paddy Rice Statistics Using Area Sampling Frame Technique	Anna Christine D. Durante, Philippines
T1.7.5 A1-1-040	Post-Sampling Crowd Sourced Data to Allow Reliable Statistical Inference: The Case of Food Market Prices in Nigeria	Gloria Solano Hermosilla, Spain

T2.10: Administrative Data: Hall 6		
Chair: Dalip Singh, DAC&FW, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T2.10.1 A2-4-017	Agriculture Routine Data System in Tanzania	Titus Mwisomba, Tanzania
T2.10.2 A2-4-001	Data Sources / Data Collection/ Data Quality of Agricultural and Rural Statistics in Myanmar	Hla Myo Khaing, Myanmar
T2.10.3 A2-4-007	Strategies for Improving Administrative Statistics on Agriculture in Mongolia	Baigalmaa Rinchin, Mongolia
T2.10.4 A2-4-004	The Integration of Administrative Data for the Identification of the Ownership of Agricultural Land	Mojca Eremita, Slovenia
	Using Agricultural Data across Administration for driving Outcomes	Ankur Bansal, India

T4.3: Use of Data for Policy Making: Hall 2		
Chair: Marie Vander Donckt, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T4.3.1 A4-6-030	Estimating the Demand Function for Rice in the Philippines	Precious G. Sumabat, Philippines
T4.3.2 A4-6-029	Evidence-Based Policy Making in Agricultural Development - from Data to Decision-Making	Ekaterine Zviadadze, Georgia
T4.3.3 A4-6-019	Measuring Rural Development Policy with the Help of Farm Register	Ágnes Patay, Hungary
T4.3.4 A4-6-069	Effectiveness of Research-Extension-Farmer Linkages of Agricultural Technology Management Agencies in Assam, India	Kamni Paia Biam, India

T5.2: Food Insecurity Experience Scale: Hall 4		
Chair: Carlo Cafiero, FAO, Rome, Italy		
Presentation and Abstract ID	Title	Speaker
T5.2.1 A5-7-013	Prevalence and Severity of Food Insecurity in Selected Indian Villages: An Application of Food Insecurity Experience Scale	Vaishali Bansal, India
T5.2.2 A5-7-021	Differences in the Food Insecurity Status of Men and Women Across the World	Carlo Cafiero, Italy
T5.2.3 A5-7-018	Limits to Assess Food (in) Security Using the FIES Approach: An Empiric Evidence from a Study Case in Cameroon	Anakeu Etienne, Cameroon
T5.2.4 A5-7-032	Household Vulnerability on Food Security in Niger	Abdoul Azizou Oumarou Dan-Baki, Burkina Faso

T8.2: Climate Change and Environmental Issues: Hall 3		
Chair: K.L. Prasad, DES, New Delhi, India		
Presentation and Abstract ID	Title	Speaker
T8.2.1 A8-10-030	Monitoring the Agri-Environment	Elisabetta Carfagna, Italy
T8.2.2	Role of Climate Distribution on World, US, &	Saleem Shaik, USA

A8-10-011	Indian Crop Yields	
T8.2.3 A8-10-006	Water Security and Livelihoods in the Highveld Areas of Zimbabwe under Climate Change; Evidence from Chirimanyimo	Charles, Nyamutowa, Zimbabwe
T8.2.4 A8-10-005	Comparative Analysis of Institutionally Promoted and Local Climate Change Adaptation Strategies by Small-Scale Farmers in Ghana	Benjamin Jabik, Ghana

1230-1400	Lunch
1400-1530	5 Concurrent Sessions: T2.9: Hall 6; T3.1: Hall 4; T4.5: Hall 5; T9.3: Hall 3; T11.1: Hall 2 (Details of the sessions are)

T2.9: Frontier and Innovative Technologies: Hall 6

Chair: Alka Arora, ICAR-IASRI, New Delhi, India

Presentation and Abstract ID	Title	Speaker
T2.9.1 A3-5-027	Harvesting the Potential of Artificial Intelligence / Machine Learning in Agriculture - the Need for a Structural Approach	Satyajit Dwivedi, India
T2.9.2 A3-5-023	Can Citizen Science and Smart Phones Help to Improve Market Transparency Along the Food Chain? Evidence from Crowd Sourced Food Prices in Nigeria	Gloria Solano Hermosilla, Spain
T2.9.3 A3-5-031	Contrast Set Mining for Disease Identification	Alka Arora, India
T2.9.4 A2-3-003	Leveraging the Potentials of Information and Communication Technologies in Agriculture	Netra Pal Singh, India
T2.9.5 A2-3-015	Smart Sensor, Artificial Intelligence and Statistical Modelling based Solution for Smart Agriculture	Shanthala K.V., India
T2.9.6 A3-5-026	Agricultural Data/ Information Dissemination and Communication: Case of KALRO	Simon Mulwa, Kenya

T3.1: Data Dissemination: Hall 4

Chair: Sarah Hoffman, USDA, Washington, USA

Presentation and Abstract ID	Title	Speaker
T3.1.1 A3-5-003	Advancing and Promoting Agricultural Data Dissemination and Communication with the Effectiveness of Sustainable Development Goals (SDGs) in Myanmar	Hla Myo Khaing, Myanmar
T3.1.2 A3-5-004	Benefits of Treating Data from Government Institutions as Public Asset in Malawi	Mexford Mulumpwa, Malawi
T3.1.3 A3-5-034	Moving to a More User Centered Design for Data Dissemination at the US Department of Agriculture's National Agricultural Statistics Service.	Joe Parson, USA
T3.1.4 A3-15-003a	USDA's 2017 Census of Agriculture Communications Plan: An Integrated Approach to Reaching Data Providers and Users	Kevin Barnes, USA

T4.5: Monitoring and Evaluation of Agricultural Policies within the Sustainable Development Goals in the EU and other Parts of the World: Hall 5 Chair: Laura Aguglia, European Commission, Belgium		
Presentation and Abstract ID	Title	Speaker
T4.5.1 A4-6-039	Data Collection Needs and Indicators Development to Assess the Environmental Performance of the CAP and the Contribution to the SDGs	Laura Aguglia, Belgium
T4.5.2 A4-6-047	Measuring the Success of U.S. Agri-Environmental Policies and Programs	Kelly Maguire, USA
T4.5.3 A4-6-046	Monitoring Progress to Meeting the Sustainable Agriculture Target in the SDGs	Santiago Guerrero, France
T4.5.4 A11-12-011	Creating a Regional Monitoring Mechanism for Sustainable Development in Europe – Experiences from Eurostat	Ekkehard Petri, Luxembourg

T9.3: Improving Statistics for Food Security, Sustainable Agriculture and Rural Development in Africa – Key results: Hall 3 Chair: Ben Paul Mungyereza, African Development Bank, Cote d'Ivoire		
Presentation and Abstract ID	Title	Speaker
T9.3.1 A10-11-004	Impact of the Provided Agricultural Statistics Capacity Building at National Levels – Case Agricultural Cost of Production In Madagascar	Joceline Julie Solonitompoinony, Madagascar
T9.3.2 A10-11-003	Impact of the Provided Agricultural Statistics Capacity Building at National Levels – Case Food Balance Sheets Compilation in Tanzania	Albina Chuwa, Tanzania
T9.3.3 A10-11-008	Measuring the Capacity Improvement of National Agricultural Statistics System to Produce Timely, Reliable and Sustainable Agricultural Statistics - Case of Senegal	Ibrahima Mendy, Senegal
T9.3.4 A10-11-007	Technical Assistance Delivery Model Within The Framework of the Implementation of the AfDB's Statistical Capacity Building Program	Vincent Ngandakumana, Cote d'Ivoire
T11.1: 2nd Phase of Global Strategy: Hall 2 Chair: Jose Rosero Moncayo, FAO, Rome, Italy		
Panelists	Hem Raj Regmi, Deputy Director General, Central Bureau of Statistics , Nepal	
	Aberash Tariku, Deputy Director, CSA Ethiopia	
	Edith Faaloo, Samoa Statistics	
	Arturo Blancas, Director General of Economic statistics, INEGI Mexico	
	Naman Keita, Senior International Consultant in agricultural statistics	
1530-1600	Tea Break	

1600-1730	Plenary Session: Hall 1 (P5): Financing Agricultural Statistics Chair: Jose Rosero Moncayo, Director, Statistics Division, FAO, Rome
Panelists:	H.E Hang Lina, Director General, National Institute of Statistics, Cambodia
	Parvin Srivastava, Chief Statistician and Secretary Ministry of Statistics and Programme Implementation, India
	Gero Carletto, Lead Economist, World Bank, Washington
	Charles Lufumpa, Director, African Development Bank, Cote D'Ivoire
	Dominik Rozkrut, President Statistics, Poland
	Kaushal Joshi, Principal Statistician, Asian Development Bank, National Capital Region, Philippines
	(TBC), representative of Bill & Melinda Gates Foundation
1730-1800	Closing Ceremony

