

Seventh International
Conference on
Agricultural Statistics

Modernization of
**Agricultural
Statistics**
in Support
of the Sustainable
Development
Agenda

ITALY - ROME

FAO HEADQUARTERS



PROGRAMME



Rome
26•27•28
OCTOBER
2016

26 OCTOBER 2016

08:00 – 09:45
REGISTRATION
AND WELCOME COFFEE



GREEN ROOM
A1-22

PLENARY SESSION

09:30-10:15

OPENING CERIMONY

José Graziano Da Silva | Director-General | FAO | Rome | Italy
Maurizio Martina | Italian Minister for Agricultural, Food and Forestry Policies
Pierfrancesco Sacco | Permanent Representative of Italy to UN agencies in Rome | Rome | Italy
Giorgio Alleva | President | Istat | Rome | Italy
Pietro Gennari | Chief Statistician and Director, Statistics Division | FAO | Rome | Italy

10:15-10:45

PL- 1 MODERNIZATION OF AGRICULTURAL STATISTICS TO RESPOND TO NEW MULTIDIMENSIONAL DEMANDS

Session Organizer and Presenter: **Giorgio Alleva** | President | Istat | Rome | Italy

16:00-17:30

PL-2 INTEGRATION OF DATA SOURCES IN AGRICULTURAL STATISTICS

Session Organizer: P. Lavallée | Statistics Canada | Ottawa | Canada

Potential uses of tax data in the Canadian census of agriculture

P. Hunsberger, L. O'Neill | Statistics Canada | Ottawa | Canada

Optimal sampling for integrated observation of related populations

P. D. Falorsi | Istat | Rome | Italy

P. Righi | Istat | Rome | Italy

Collecting the dirt on soils: advancements in plot-level soil testing and implications for agricultural statistics

S. Gourlay | The World Bank | Washington, DC | USA

Innovations in agricultural data collection: the living standards measurement study – integrated surveys on agriculture

C. Carletto | The World Bank | Rome | Italy



THEMATIC SET A

**POVERTY, RURAL DEVELOPMENT
AND SOCIAL DIMENSION OF AGRICULTURE**

11:00-12:30

A.03 MEASURING THE SOCIAL DIMENSION OF AGRICULTURE

Session Organizer: B. Davis | FAO | Rome | Italy

Economic growth and poverty reduction: the role of the agricultural sector in rural Indonesia

K. Kadir | BPS | Statistics Indonesia | Jakarta | Indonesia
A. Ratna Rizki | BPS | Statistics Indonesia | Jakarta | Indonesia

Growth and inequality in Sub-Saharan Africa: insight from a linked ABG method and CGE modeling

S. Ligane Massamba | IFPRI | Dakar | Senegal

Land heritage and youth employment and migration decisions: evidence from rural Ethiopia

E. Schmidt | IFPRI | Washington, DC | USA
K. Kosec | IFPRI | Washington, DC | USA
H. Ghebru | IFPRI | Washington, DC | USA
B. Holtemeyer | IFPRI | Washington, DC | USA
V. Mueller | IFPRI | Washington, DC | USA

Socioeconomic dynamics resulting from structural transformation and agriculture transition in Ghana

A. Carraro | FAO | Rome | Italy
F. Alfani | FAO | Rome | Italy
P. Karfakis | FAO | Rome | Italy

14:00-15:30

A.04 MEASURING THE SOCIAL DIMENSION OF AGRICULTURE

Session Organizer: B. Davis | FAO | Rome | Italy

Assessing rural households' vulnerability to climate change: implications for droughts adaptation in Mozambique

A. Tomo | Institute for Agricultural Research of Mozambique | Maputo | Mozambique

(Mis)Measuring the contribution of livestock to household livelihoods: evidence and lessons from LSMS surveys in Tanzania and Uganda

G. Zane | LSE | London | United Kingdom
L. Nsiima | Ministry of Livestock and Fisheries Development | Dar es Salaam | United Republic of Tanzania
U. Pica-Ciamarra | FAO | Rome | Italy
J. Sserugga | Ministry of Agriculture, Animal Industry and Fisheries | Entebbe | Uganda

Revisiting the evidence on the linkages between intra-household control of resources and household welfare: theoretical and empirical insights from Malawi

T. Kilic | The World Bank | Rome | Italy
N. McCarthy | Lead Analytics Inc | Washington, DC | USA

How does social protection affect resilience? Results from the Malawi cash transfer program

S. Handa | UNICEF | Florence | Italy
F. Otchere | UNICEF | Florence | Italy

Is diversification a climate-smart agriculture strategy in rural Zambia?

A. Arslan | FAO | Rome | Italy
R. Cavatassi | IFAD | Rome | Italy

F. Alfani | FAO | Rome | Italy
N. McCarthy | Lead Analytics Inc | Washington, DC | USA
L. Lipper | Independent Science Partnership Council (ISPC) of the CGIAR | Rome | Italy
M. Kowke | FAO | Lusaka | Zambia



THEMATIC SET B

**SUSTAINABLE AGRICULTURAL PRODUCTION
AND CONSUMPTION**

11:00-12:30

B.07 MEASURING PRODUCTIVITY IN AGRICULTURE, FISHERY, AND FORESTRY

Session Organizer: C. Carletto | The World Bank | Rome | Italy

Performance of goats and sheep under communal grazing in Botswana using various growth measures

L. Baleseng | Ministry of Agriculture | Gaborone | Botswana
O. E. Kgosikoma | Ministry of Agriculture | Gaborone | Botswana
M. Coleman | University of New England | Armidale | Australia
D. Baker | UNE Business School | University of New England | Armidale | Australia
O. Temoso | UNE Business School | University of New England | Armidale | Australia
P. Morley | University of New England | Armidale | Australia
A. Makgegenene | Ministry of Agriculture | Gaborone | Botswana
S. Bahta | International Livestock Research Institute | Nairobi | Kenya

An alternative methodology for estimation of cotton yield using double sampling approach

U. C. Sud | ICAR - Indian Agricultural Statistics Research Institute (IASRI) | New Delhi | India
T. Ahmad | ICAR - Indian Agricultural Statistics Research Institute (IASRI) | New Delhi | India
A. Rai | ICAR - Indian Agricultural Statistics Research Institute (IASRI) | New Delhi | India
P. Mishra Sahoo | ICAR - Indian Agricultural Statistics Research Institute (IASRI) | New Delhi | India

Effect of data aggregation on inefficiency estimates

T. Kim | Graduate School of International Agricultural Technology at Seoul National University | Pyeongchang | Republic of Korea
B. W. Brorsen | Oklahoma State University | Oklahoma USA
P. Kenkel | Oklahoma State University | Oklahoma USA

The root of the measure: estimating Cassava production in Malawi and Zanzibar

H. Moylan | The World Bank | Rome | Italy
T. Kilic | The World Bank | Rome | Italy
J. Ilukor | The World Bank | Kampala | Uganda
I. Pangapanga Phiri | Lilongwe University of Agriculture and Natural Resources | Lilongwe | Malawi

14:00-15:30

B.08 DETERMINANTS OF AGRICULTURAL PRODUCTIVITY

Session Organizer: A. Zezza | The World Bank | Rome | Italy

Crop water productivity for sunflower under different irrigation regimes and plant spacing in Gezira scheme, Sudan

E. R. A. Elsheikh | Agricultural Research Corporation | Khartoum | Sudan

B. Schultz | UNESCO-IHE Institute for Water Education | Delft | The Netherlands

H. Adam | University of Gezira | WadMedani | Sudan

Impact evaluation differentials of adoption of nerica on area cultivated, yield and income of rice producers, and its determinants in Nigeria

A.E. Obayelu | Federal University of Agriculture Abeokuta | Abeokuta | Nigeria

N.P.M. Dontsop | IFPRI | Democratic Republic of Congo

J.O. Adeoti | NISER - Nigerian Institute of Social and Economic Research | Ibadan, Oyo State | Nigeria

Youth (under)employment, labour productivity and migration into and out of agriculture in Ethiopia

T. G. Sakketa | University of Bonn | Bonn | Germany

Spatial nonstationarity in the stochastic frontier model: an application to the Italian wine industry

F. Vidoli | University of Roma Tre | Rome | Italy

C. Cardillo | CREA | Rome | Italy

E. Fusco | Sapienza University of Rome | Rome | Italy

J. Canello | University of Queensland | Brisbane | Australia



**IRAN ROOM
B1-16**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS
FOR THE AGRIBUSINESS SECTOR**

11:00-12:30

C.16 MEASURING FOOD PRICE VOLATILITY AND PRICE TRANSMISSION

Session Organizer: S. Dubey | FAO | Rome | Italy

Measuring food price volatility and its pass-through effect on inflation in Zimbabwe

C. Nyamutowa | Midlands State University | Gweru | Zimbabwe

Modeling spatial price volatility and transmission: a spatial panel VAR model for cereals price across east African Community

J. B. Habyarimana | University of Rwanda - School of Economics | Kigali | Rwanda

Cassava output supply response in Nigeria: a vector error correction model (VECM) approach

O. A. Obayelu | University of Ibadan | Ibadan | Nigeria

S. Ebute | University of Ibadan | Ibadan | Nigeria

Regional price transmission in Southern African maize markets: multiple-threshold approach

K. Schroeder | Food and Agricultural Policy Research Institute | University of Missouri | Columbia | USA

T. Davids | Bureau for Food and Agricultural Policy | Pretoria | South Africa

F. Meyer | Bureau for Food and Agricultural Policy | Pretoria | South Africa

B. Chisanga | Indaba Agricultural Policy Research Institute | Lusaka | Zambia

Did the fertilizer cartel cause the food crisis?

P. Spiewanowski | Polish Academy of Sciences and Vistula University | Warsaw | Poland

H. Gnutzmann | Leibniz Universität | Hannover | Germany

14:00-15:30

C.20 COMPETITIVENESS INDICATORS OF AGRICULTURE AND OF THE AGRIBUSINESS SECTOR

Session Organizer: C. Russo | University of Cassino and Southern Lazio | Cassino | Italy

F. G. Wijnands | Wageningen University Research | Wageningen | The Netherlands

Effect of quality assurance deficit on market competitiveness for export commodities and household income in Nigeria

K. A. Akanni | Olabisi Onabanjo University | Ago-Iwoye | Nigeria

Rice and maize price competitiveness in Senegal: market integration and price causation between Saint-Louis market and Mpal market

A. Top | Seoul National University | Seoul | Republic of Korea

K. Kwansoo | Seoul National University | Seoul | Republic of Korea

The “sophistication indices” for the international agri-food trade analysis: the view point of imports

A. Carbone | University of Tuscia | Viterbo | Italy

R. Henke | CREA | Rome | Italy

Measuring the competitiveness of EU wine business sector: a composite index approach

M. Mazziotta | Istat | Rome | Italy

M. Greco | Istat | Rome | Italy

A. Pareto | Istat | Rome | Italy

FAO’s new macro-economic statistics: agricultural capital stock and agro-industry measurement

M. Vander Donckt | FAO | Rome | Italy

S. Dubey | FAO | Rome | Italy



**ETHIOPIA ROOM
C2-85**

THEMATIC SET D

**NATURAL RESOURCE USE IN AGRICULTURE
(SOIL, WATER, FISHERY, FORESTRY, BIODIVERSITY)**

11:00-12:30

D.25 MEASURING THE VALUE OF ECOSYSTEMS SERVICES, LAND DEGRADATION AND BIODIVERSITY LOSSES

Session Organizer: S. Lucci | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

Introducing ecosystem services evaluation indicators in monitoring of irrigated agriculture in Uzbekistan

N. Umidjan | Research Institute on Agricultural Economics | Tashkent | Uzbekistan

I. Rustamova | Tashkent State Agrarian University | Tashkent | Uzbekistan

N. Nishanov | ICARDA-Uzbekistan | Tashkent | Uzbekistan

The MIMOSE approach to support large-scale statistics about forest ecosystem services

M. Vizzarri | Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise | Pesche | Italy

F. Bottalico | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

L. Antonello | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

A. Barbati | Dipartimento per l’Innovazione nei Sistemi Biologici, Agroalimentari e Forestali | University of Tuscia | Viterbo | Italy

G. Chirici | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

P. Corona | Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria | Forestry Research Centre (CREA SEL) | Arezzo | Italy

S. Cullotta | Dipartimento di Scienze Agrarie e Forestali, University of Palermo | Palermo | Italy

V. Garfi | Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise | Pesche | Italy

V. Giannico | Dipartimento di Scienze Agro-Ambientali e Territoriali | University of Bari | Bari | Italy

R. Laforteza | Dipartimento di Scienze Agro-Ambientali e Territoriali | University of Bari | Bari | Italy

D. S. La Mela Veca | Dipartimento di Scienze Agrarie e Forestali | University of Palermo | Palermo | Italy

F. Lombardi | Dipartimento di Bioscienze e Territorio | Università degli Studi del Molise | Pesche | Italy

F. Maetzke | Dipartimento di Scienze Agrarie e Forestali | University of Palermo | Palermo | Italy

M. Marchetti | Dipartimento di Bioscienze e Territorio | Università degli Studi del Molise | Pesche | Italy

S. Nocentini | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

L. Pesola | Dipartimento di Scienze Agro-Ambientali e Territoriali | University of Bari | Bari | Italy

F. Riccioli | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

D. Travaglini | Dipartimento di Gestione dei Sistemi Agrari, Alimentari e Forestali | University of Florence | Florence | Italy

L. Sallustio | Dipartimento di Bioscienze e Territorio, Università degli Studi del Molise | Pesche | Italy

Protection and enhancement of the coast of Mostaganem (Algeria): preliminary restoration study

F. Kies | Università degli Studi Di Milano-Bicocca | Milano | Italy

I. O. Elegbede | University of Cottbus-Senftenberg, Germany | Brandenburg | Germany

C. Corselli | Università degli Studi di Milano-Bicocca | Milano | Italy

Measuring landscape diversity and fragmentation in EU agricultural areas from LUCAS Data

A. Palmieri | Eurostat | Luxembourg | Luxembourg

M. Masselli | Consultant - Senior statistician | Rome | Italy

M. Scarnò | CINECA | Rome | Italy

Approaches for analysing trade-offs between productivity, nutrition and environmental outcomes at multiple scales

E. Gotor | Bioversity International | Rome | Italy

L. T. Rojas | University of Hohenheim | Stuttgart | Germania

U. Kleinwechter | International Institute for Applied System Analysis (IIASA) | Laxenburg | Austria

A. Regmi | OCP Research LLC | Washington, DC | USA

14:00-15:30

D.24 STATISTICS ON WATER RESOURCES AND WATER USE EFFICIENCY

Session Organizer: B. Rater | USDA National Agricultural Statistics Service | Washington, DC | USA

Livestock water accessibility index and its linkage to household welfare

S. Ligane Massamba | IFPRI | Dakar | Senegal

Measuring water-use in response to climate change: an analysis of the efficiency of Italian crop production system

S. Auci | Università degli Studi di Palermo | Palermo | Italy

D. Vignani | Istat | Rome | Italy

Outliers identification and handling: an advanced econometric approach for practical data applications

G. Palmegiani | LUISS University of Rome | Rome | Italy

Water use in agriculture and in food products industry. A case study for Italy to evaluate pressure on water resources

D. Vignani | Istat | Rome | Italy

G. Tagliacozzo | Istat | Rome | Italy

S. Tersigni | Istat | Rome | Italy



AUSTRIA ROOM C2-85

CROSS-THEMATIC SET F

DATA SOURCES / DATA COLLECTION / USE OF IT TOOLS / DATA QUALITY

11:00-12:30

F.32 USE OF ADMINISTRATIVE DATA FOR AGRICULTURAL STATISTICS

Session Organizer: N. Keita | FAO | Rome | Italy

Strategies for improving administrative data for use in an integrated agricultural statistics system

A. M. N. Ssekiboobo | School of Statistics and Planning | Makerere University | Kampala | Uganda

B. E. Muwanga-Zake | School of Statistics and Planning | Makerere University | Kampala | Uganda

Use of administrative registers for strengthening the geo-statistical framework of the census of agriculture in Mexico

S. Pérez Cadena | INEGI | Aguascalientes | Mexico

The use of administrative data for the agriculture statistics program

J. Seay | Statistics Canada | Ottawa | Canada

M. S. Beaulieu | Statistics Canada | Ottawa | Canada

S. Prasil | Statistics Canada | Ottawa | Canada

K. Nagelschmitz | Agriculture and Agri-Food Canada | Ottawa | Canada

The role of quality-frameworks to improve the quality of statistics based on administrative registers - the case of organic meat production

U. Svensson | Swedish Board of Agriculture | Jönköping | Sweden

Coverage issues in agriculture statistics when using administrative data

T. Tuoto | Istat | Rome | Italy

14:00-15:30

F.33 USE OF ADMINISTRATIVE DATA FOR AGRICULTURAL STATISTICS

Session Organizer: N. Keita | FAO | Rome | Italy

Role of administrative registers for agricultural statistics

S. Mnatsakanyan | National Statistical Service of the Republic of Armenia | Armenia

A. Safyan | National Statistical Service of the Republic of Armenia | Armenia

Use of administrative data in agricultural production statistics compiled by Turkish Statistical Institute

S. Ozbek | Turkish Statistical Institute | Ankara | Turkey

I. Uzunpinar | Turkish Statistical Institute | Ankara | Turkey

Using administrative registers for making a sample frame for agricultural statistics - Methodologies, techniques and experiences

A. M. Karlsson | Swedish Board of Agriculture | Jönköping | Sweden

A. Grönvall | Swedish Board of Agriculture | Jönköping | Sweden

Administrative data and agricultural statistics – What strategy and methods should we adopt?

A. Wallgren | BA Statistisksystem AB | Vintrosa | Sweden

B. Wallgren | BA Statistisksystem AB | Vintrosa | Sweden



**GERMAN ROOM
C2-69**

CROSS-THEMATIC SET G

DATA ANALYSIS / INTEGRATION/ MODELING

11:00-12:30

G.44 SAMPLING AND MEASUREMENT PROBLEMS FOR AGRICULTURE CROP PRODUCTION ESTIMATION

Session Organizer: R. Gismondi | Istat | Rome | Italy

Small area estimation for crop acreage in remote sensing assisted crop survey—a case of major crop acreage estimation in Liaozhong county

W. Zhou | National Bureau of Statistics of China | Beijing | China

Role of earth observations for crop area estimates in Africa. Experiences from the agricab project

T. Ceccarelli | Alterra | Wageningen | The Netherlands

M. Downie | ITA consortium | Lucca | Italy

D. Remotti | ITA consortium | Lucca | Italy

Sampling transects for crop area estimation with drones

J. Gallego | JRC – European Commission | ISPRA | Italy

A. Giovacchini | ITA consortium | Lucca | Italy

M. Downie | ITA consortium | Lucca | Italy

Measuring area, yield and production of vegetable crops

E. Ouedraogo | FAO | Accra | Ghana

U. Nyamsi | FAO | Accra | Ghana

N. Keita | FAO | Rome | Italy

14:00-15:30

G.43 MODELLING FOOD, NUTRITION AND AGRICULTURAL MARKETS: UNDERSTANDING DATA NEEDS AND DISCOVERING NEW OPTIONS TO MEET THEM

Session Organizer: B. Schmidhuber | FAO | Rome | Italy

The study of prediction of hog price in China

Y. Cui | Department of Rural Survey - National Bureau of Statistics of China | Beijing | China

Challenges for Indian agriculture and non - gaussian time series models for agricultural crop prices

K. K. Jose | Central University of Rajasthan | Ajmer | India

Computation of agriculture: analytics for agriculture

C. Pramanik | e-Rural Services | Hyderabad | India

A. Sengupta | BuildFusion, Inc | Kolkata | India

A. Haque | Indian Agricultural Statistics Research Institute | New Delhi | India

S. Das | Cognizant Technology Solutions India Pvt. Ltd | Kolkata | India

N. Sahil | BuildFusion, Inc. | Kolkata | India

Canada – crop yield modelling using remote sensing, agroclimatic data and statistical survey data

G. Reichert | Statistics Canada | Ottawa | Canada

F. Bédard | Statistics Canada | Ottawa | Canada

C. Mohl | Statistics Canada | Ottawa | Canada

W. Benjamin | Statistics Canada | Ottawa | Canada

V. Dongmo Jiongo | Statistics Canada | Ottawa | Canada

A. Chipanshi | Agriculture and Agri-Food Canada | Ottawa | Canada

Y. Zhang | Agriculture and Agri-Food Canada | Ottawa | Canada

Modelling macronutrients trajectories: dynamics patterns and much more

M. Vassallo | CREA | Rome | Italy

M. Serafini | CREA | Rome | Italy



**FLAG ROOM
B0**

POSTER SESSION

17: 45-19:15

POSTER SESSION

Session Organizer: M. Steiner | USDA National Agricultural Statistics Service | Washington, DC | USA

POVERTY, RURAL DEVELOPMENT AND SOCIAL
DIMENSION OF AGRICULTURE

PLENARY SESSION

**PL- 3** 14: 00-15: 30
**MEASURING THE STRUCTURAL TRANSFORMATION OF THE
AGRICULTURAL SECTOR**

Session Organizer: **M. Bohman** | USDA Economic Research Service | Washington, DC | USA

J. MacDonald | USDA Economic Research Service | Washington, DC | USA

Structural change in dutch agriculture: the impact on farm-level statistics

H. Vrolijk | LEI Wageningen UR | Wageningen | The Netherlands

K. Poppe | LEI Wageningen UR | Wageningen | The Netherlands

Measuring change in a complex environment: the case of U. S. agriculture

J. MacDonald | USDA Economic Research Service | Washington, DC | USA

Structural change in Brazilian agriculture: is it time for agricultural value chain statistics?

F. Bolliger | FAO | Rome | Italy

Asian perspectives on measurement of structural change in agriculture

R. S. Recide | BAS | Manila | The Philippine

A.06 09: 00-10: 30
**MEASURING THE SOCIAL AND ECONOMIC IMPACT OF
CONFLICTS AND POLITICAL INSTABILITY ON AGRICULTURE**

Session Organizer: P. Justino | IDS | Sussex | UK

Agriculture census in Georgia and statistics

K. Nadiradze | Association for Farmers Rights Defense, AFRD | Tbilisi | Georgia

N. Phirosmanashvili | Association for Farmers Rights Defense, AFRD | Tbilisi | Georgia

M. Goginashvili | Association for Farmers Rights Defense, AFRD | Tbilisi | Georgia

Gender perspective to effects of violent communal conflicts on selected rural communities in Edo and Ondo states, Nigeria

M. J. Koyenikan | University of Benin | Benin City | Nigeria

G. N. Vincent-Osaghae | University of Benin | Benin City | Nigeria

S. I. Ohiomoba | Federal Ministry of Agriculture | Abuja | Nigeria

G. O. Alufohai | University of Benin | Benin City | Nigeria

V. O. Okotie | Federal Ministry of Agriculture | Abuja | Nigeria

Assessment of conflicts activities on livelihood of fishing and fish farming households in Nigeria

B. Fregene | University of Ibadan | Ibadan | Nigeria

J. Idogun | University of Ibadan | Ibadan | Nigeria

M. Bello | University of Maiduguri | Maiduguri | Nigeria

The impact of civil conflicts on agricultural production

O. Jeylani | Consultant | Mogadishu | Somalia

Measuring violent conflict in micro-level surveys: current practices and methodological challenges

P. Justino | IDS | Sussex | UK

P. Verwimp | Vrije Universiteit Brussels | Brussels | Belgium

A. Avdeenko | University of Mannheim | Mannheim | Germany

A. Tedesco | IPA | Monrovia | Liberia

T. Brück | IGZ | Berlin | Germany

A.05 11: 00-12: 30
**MEASURING AGRICULTURAL EMPLOYMENT, LABOR
CONDITIONS, CHILD/FORCED LABOR, GREEN JOBS AND HUMAN
CAPITAL MANAGEMENT**

Session Organizer: M. Castillo | ILO | Geneva | Switzerland

Green jobs and rural labour markets: gendered pathways for decent work

O. Muza | Consultant | Harare | Zimbabwe

Decent work indicators for agriculture and rural areas: conceptual issues, data collection challenges and possible areas for improvement

C. Oya | SOAS - University of London | London | United Kingdom

Employment creation potential in small ruminant value chain in the Ethiopian highlands

F. Acero | Overseas Development Institute (ODI) | Maseru | Lesotho

B. Mueller | ILO | Pretoria | South Africa
E. Estruch | FAO | Rome | Italy

Not your average job: measuring farm labor in Tanzania

A. Palacios-López | World Bank | Washington, DC | USA
V. Arthi | University of Essex | Colchester | United Kingdom
K. Beegle | World Bank | Washington, DC | USA
J. De Weerd | University of Antwerp | Antwerp | Belgium

Measuring and monitoring decent work in rural areas in support of sustainable development

D. Levakova | ILO | Geneva | Switzerland
M. Castillo | ILO | Geneva | Switzerland
H. Kashef | ILO | Geneva | Switzerland

A framework for measuring rural women's empowerment within the context of decent work: focus on economic and social advancement

M. Hillesland | FAO | Rome | Italy
G. Nico | FAO | Rome | Italy
M. Percic | FAO | Rome | Italy
L. Stloukal | FAO | Rome | Italy

16:00 – 17:30

A.01 INDICATORS OF RURAL DEVELOPMENT

Session Organizer: F. Sotte | Università Politecnica delle Marche | Ancona | Italy

Possibilities to improve rural development statistics in support of the sustainable development goals in Mongolia

D. Enkhzaya | National Statistics Office | Ulaanbaatar | Mongolia
E. Erdenesan | National Statistics Office | Ulaanbaatar | Mongolia

Indicators on rural development in Kenya

J. Mburu | KNBS | Nairobi | Kenya

Measuring EU rurality: an updated peripherality indicator

F. Pagliacci | Università di Modena e Reggio Emilia | Modena | Italy
R. Esposti | Università Politecnica delle Marche | Ancona | Italy
B. Camaioni | CREA | Rome | Italy
F. Sotte | Università Politecnica delle Marche | Ancona | Italy

17:45 - 19:15

A.02 INDICATORS OF RURAL DEVELOPMENT

Session Organizer: F. Sotte | Università Politecnica delle Marche | Ancona | Italy

Information sources preference and constraints of community driven development (CDD) projects in southern extension service zone of Edo State, Nigeria

D. Okoedo-Okojie | Faculty of Agriculture | University of Benin | Benin City | Nigeria
I. Eze | Faculty of Agriculture | University of Benin | Benin City | Nigeria
L. T. Osazuwa | Faculty of Agriculture | University of Benin | Benin City | Nigeria

An agricultural statistical classification as a decision support tool for the definition of territorial local policies

A. Djouak | HEI ISA ISEN GROUP | Lille | France
M. Stankowiak | HEI ISA ISEN GROUP | Lille | France
E. Comont | HEI ISA ISEN GROUP | Lille | France
M. Descamps | HEI ISA ISEN GROUP | Lille | France
F. Delbende | HEI ISA ISEN GROUP | Lille | France
J. Christiaen | HEI ISA ISEN GROUP | Lille | France

Living in the countryside of Tuscany: are they really better off?

S. Turchetti | IRPET | Florence | Italy



**PHILIPPINE ROOM
C2-77**

THEMATIC SET B

**SUSTAINABLE AGRICULTURAL PRODUCTION
AND CONSUMPTION**

09:00-10:30

B.10 FOOD SECURITY MEASUREMENT: METHODS AND APPLICATIONS

Session Organizer: C. Cafiero | FAO | Rome | Italy

How undernourished are Indians really? A critical assessment of indicators and scope for improvement

J. Jumrani | ICAR - National Institute of Agricultural Economics and Policy Research (NIAP) | New Delhi | India
M. Z. Siddiqui | Australian National University | Canberra | Australia
R. Donato | University of South Australia | Adelaide | Australia

Children effect on household food insecurity: an application of the classical Rasch model to household survey in Uganda

A. Y. Owino | School of Statistics and Planning | Makerere University | Kampala | Uganda
R. Wesonga | School of Statistics and Planning | Makerere University | Kampala | Uganda
F. Nabugoomu | Kyambogo University | Kampala | Uganda

Estimating comparable prevalence rates of food insecurity through the application of the food insecurity experience scale

S. Viviani | FAO | Rome | Italy
C. Nwosu | FAO | Rome | Italy
C. Cafiero | FAO | Rome | Italy
M. Nord | FAO | Rome | Italy

Food counts. Measuring food consumption and expenditures in household surveys

Alberto Zezza | The World Bank | Rome | Italy
C. Carletto | The World Bank | Washington, DC | USA
J. Fiedler | IFPRI | Washington, DC | USA
P. Gennari | FAO | Rome | Italy
D. Jolliff | The World Bank | Washington, DC | USA

11:00-12:30

B.11 FOOD AND NUTRITION SECURITY STATISTICS: METHODS AND APPLICATIONS

Session Organizer: C. Cafiero | FAO | Rome | Italy

Food insecurity in rural households of Cameroon: factors associated and implications for national policies

T. V. Belmondo | Ministry of Economy, Planning and Regional Development | Department of Analysis and Economic Policies | Yaoundé | Cameroon
F. Alain Hermann | Sub-regional Institute of Statistic and Applied Economics | Yaoundé | Cameroon

Do boys eat better than girls in India? Longitudinal evidence on dietary diversity and food consumption disparities among children and adolescents

E. Aurino | School of Public Health - Imperial College | London | United Kingdom & Department of International Development | University of Oxford | United Kingdom

Assessing vulnerability to food insecurity in mountain areas of Ecuador: the composite vulnerability indicator (CVI)

A. Borlizzi | FAO | Rome | Italy

Determinants of dietary diversity in Namibian children: evidence from 2013 DHS

L. Pazvakawambwa | University of Namibia | Windhoek | Namibia
N. Nickanor | University of Namibia | Windhoek | Namibia

14: 00-15: 30

B.12 FOOD BALANCE SHEETS DATA: COMPILATION AND ANALYSES

Session Organizer: C. Cafiero | FAO | Rome | Italy

The food security statistics of Iran

R. Hosseinpour | Information Technology and Communication Center | Ministry of Jihad Agriculture | Tehran | Islamic Republic of Iran

K. Ahmadi Someeh | Information Technology and Communication Center | Ministry of Jihad Agriculture | Tehran | Islamic Republic of Iran

H. Reza Ebadzade | Information Technology and Communication Center | Ministry of Jihad Agriculture | Tehran | Islamic Republic of Iran

Statistical trends in agriculture in light of the future sustainable food security in Slovenia

S. Gale | Statistical Office of the Republic of Slovenia | Ljubljana | Slovenia

Estimation of real per capita consumption of meat in Italy

V. Russo | University of Bologna | Bologna | Italy

L. Nanni Costa | University of Bologna | Bologna | Italy

C. Sermoneta | Istat | Rome | Italy

17: 45-19:15

B.15 MEASURING FOOD LOSSES AND FOOD WASTE

Session Organizer: C. Fabi | FAO | Rome | Italy

T-V. Nguyen | Bill & Melinda Gates Foundation | Seattle, WA | USA

Dynamics of losses in tomato commodity chain . (Estimates based on experimental design in Cameroon)

D. E. Tolly Lolo | Open Markets Ltd | Cameroon

P. Kamtchouing | Faculty of Agronomic Sciences of Dschang | Cameroon

Post-harvest food losses; a framework for horticulture sub sector analysis in Sub-Saharan Africa

M. R. Baha | The University of Dodoma | Dodoma | United Republic of Tanzania

M. Msafiri | The University of Dodoma | Dodoma | United Republic of Tanzania

Measurement issues and lessons learned from estimating food loss at the retail and consumer levels in the United States

J. Buzby | USDA Economic Research Service | Washington, DC | USA

J. T. Bentley | USDA Economic Research Service | Washington, DC | USA

Developing cost-effective statistical methods for measuring post-harvest losses in developing countries

M. Kebe | FAO | Rome | Italy

The FAO approach to food loss concepts and estimation in the context of sustainable development goal 12 target 13

S. Tayyib | FAO | Rome | Italy

N. Golini | FAO | Rome | Italy



IRAN ROOM
B1-16

THEMATIC SET C

MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR

9: 00 – 10: 30

C.19 ASPECTS OF THE IMPLEMENTATION OF THE SYSTEM OF ENVIRONMENTAL-ECONOMIC ACCOUNTING

Session Organizer: C. Obst | IDEEA | Melbourne | Australia

Changes in food diets in west Africa and their implications for domestic producers

F. Cachia | AFRISTAT | Bamako | Mali

Estimating flows of ancillary biomass resources associated to permanent and temporary crops production and their uses

A. Femia | Istat | Rome | Italy

C. Manzi | Istat | Rome | Italy

Improving intersectorial water use within the seea accounting framework

D. Ottaviani | FAO | Rome | Italy

S. Tsuji | FAO | Rome | Italy

C. De Young | FAO | Rome | Italy

Overview and update of the SEEA AFF

F. Tubiello | FAO | Rome | Italy



IRAN ROOM
B1-16

THEMATIC SET E

CLIMATE CHANGE AND ENVIRONMENTAL
ISSUES: THE ROLE OF AGRICULTURE

11: 00-12: 30

E.27 SUSTAINABLE DEVELOPMENT FRAMEWORKS AND AGRO-ENVIRONMENTAL INDICATORS

Session Organizer: F. Tubiello | FAO | Rome | Italy

Green economy in east kalimantan province: achieving emission reduction target and economic trade-off in agricultural sector

Y. J. Nababan | Statistics Indonesia Rep. Office of Samarinda City | Samarinda

Bridging planned and autonomous climate change adaptation approaches for sustainable agricultural productivity: evidence from the ecosystem-based adaptation in the Talensi District by smallholder farmers

B. B. Jabik | ISSER | Legon | Ghana

S. Bawakyillenuo | ISSER | Legon | Ghana

Farm structure survey - key data source for environmentally related farm management practices

C. Turtoi | Institute of Agricultural Economics, Romanian Academy | Bucharest | Romania

O. Cara | FAO | Rome | Italy

The challenge of collecting and publishing data on organic agriculture worldwide

H. Willer | Research Institute of Organic Agriculture FiBL | Frick | Switzerland

R. Zanolì | Università Politecnica delle Marche | Ancona | Italy

J. Lernoud | Research Institute of Organic Agriculture FiBL | Frick | Switzerland

The productivity and environment nexus through farm-level data. The case of carbon footprint applied to Italian FADN farms

S. Coderoni | Department of Economics and Social Sciences, Università Politecnica delle Marche Ancona | Italy

E. Baldoni | Department of Economics and Social Sciences, Università Politecnica delle Marche | Ancona | Italy

R. Esposti | Department of Economics and Social Sciences, Università Politecnica delle Marche | Ancona | Italy

16: 00-17: 30

E.28 MEASURING THE IMPACT OF GLOBAL WARMING AND EXTREME WEATHER EVENTS ON AGRICULTURE

Session Organizer: G. Dono | Università degli Studi della Tuscia | Viterbo | Italy

A. Ferruzza | Istat | Rome | Italy

Climate uncertainty and dynamic adjustment in agriculture: the case of Cameroon

M. Bindoumou | Catholic University of Central Africa | Yaoundé | Cameroon

J. R. Essombé Edimo | University of Yaoundé II | Yaoundé | Cameroon

Integrated water management under climate change impact

E. Fouad | INRA | Agadir | Morocco

Factors influencing climate change awareness: the case of small-scale maize farmers in Mpumalanga province of South Africa

O. S. Oduniyi | University of South Africa | Johannesburg | South Africa

Winners and losers from climate change in agriculture: food security issues in the Mediterranean Basin

R. Cortignani | DAFNE - University of Tuscia | Viterbo | Italy

D. Dell'Unto | DAFNE - University of Tuscia | Viterbo | Italy

P. Deligios | Nucleo di Ricerca sulla Desertificazione and Dipartimento di Agraria - University of Sassari | Sassari | Italy

L. Doro | Nucleo di Ricerca sulla Desertificazione and Dipartimento di Agraria - University of Sassari | Sassari | Italy

N. Lacetera | DAFNE - University of Tuscia | Viterbo | Italy

L. Mula | Nucleo di Ricerca sulla Desertificazione and Dipartimento di Agraria - University of Sassari | Sassari | Italy

M. Pasqui | Istituto di Biometeorologia del Consiglio Nazionale delle Ricerche | Rome | Italy

S. Quaresima | Istituto di Biometeorologia del Consiglio Nazionale delle Ricerche | Rome | Italy

A. Vitali | DAFNE - University of Tuscia | Viterbo | Italy

P. P. Roggero | Nucleo di Ricerca sulla Desertificazione and Dipartimento di Agraria - University of Sassari | Sassari | Italy

G. Dono | DAFNE - University of Tuscia | Viterbo | Italy

Addressing Italian official statistics to the measurement of climate change impacts and adaptation options on agriculture

G. Tagliacozzo | Istat | Rome | Italy

S. Ramberti | Istat | Rome | Italy

S. Tersigni | Istat | Rome | Italy

D. Vignani | Istat | Rome | Italy

17: 45-19: 15

E.26 MEASURING ENERGY EFFICIENCY IN AGRICULTURE AND BIO FUEL PRODUCTION

Session Organizer: Annalisa Zezza | CREA - Council for Agricultural Research and Economics | Rome | Italy

European territorial cooperation process and local benefits, increasing energy efficiency in the Mediterranean agro-food sector

J. Gómez Prieto | INTERREG MED Programme, Joint Secretariat | Marseille | France

M. S. Scarpinella | Sapienza University of Rome | Rome | Italy

Energy impact matrix: using Italian FADN to estimate energy costs impact at farm level

S. Fabiani | CREA - Council for Agricultural Research and Economics | Rome | Italy

O. Cimino | CREA - Council for Agricultural Research and Economics | Rome | Italy

P. Nino | CREA - Council for Agricultural Research and Economics | Rome | Italy

S. Vanino | CREA - Council for Agricultural Research and Economics | Rome | Italy

F. Lupia | CREA - Council for Agricultural Research and Economics | Rome | Italy

F. Altobelli | CREA - Council for Agricultural Research and Economics | Rome | Italy

Evaluating revenues and economic growth for farms producing renewable energies: an investigation based on integration of FSS and EOAH 2013 survey data

M. D'Orazio | FAO | Rome | Italy

E. Catanese | Istat | Rome | Italy

Assessing bioenergy sustainability through the use of the global bioenergy partnership (gbep) sustainability indicators for bioenergy

M. M. Morese | FAO | Rome | Italy

M. Colangeli | FAO | Rome | Italy

A. Rossi | FAO | Rome | Italy



ETHIOPIA ROOM
C2-85

THEMATIC SET F

DATA SOURCES / DATA COLLECTION /
USE OF IT TOOLS / DATA QUALITY

9: 00-10: 30

F.30 USE OF REMOTE SENSING AND DRONES IN OFFICIAL AGRICULTURAL STATISTICS

Session Organizer: M. Ballin | Istat | Rome | Italy

M. Miller | USDA National Agricultural Statistics Service | Washington, DC | USA

Use of remote sensing and satellite imagery in estimating crop production: Malawi's experience

E. Mwanaleza | Ministry of Agriculture, Irrigation and Water Development | Lilongwe | Malawi

Area estimation of cereals with an area frame survey and earth observation in Siliana (Tunisia)

N. Sghaier | Centre National de la Cartographie et Télédétection - CNCT | Tunis | Tunisia

The use of satellite pictures and data provided by drones for the purposes of identification of crops and assessment of plant production

T. Milewski | Central Statistical Office of Poland | Warsaw | Poland

Nationwide demonstration cases of sentinel-2 satellite exploitation towards early crop area indicator

P. Defourny | Earth and Life Institute | Université Catholique de Louvain | Louvain-la-Neuve | Belgium
N. Bellemans | Earth and Life Institute | Université Catholique de Louvain | Louvain-la-Neuve | Belgium
C. Cara | CS Romania | Craiova | Romania
G. Dedieu | Centre d'Etudes Spatiales de la Biosphère CESBIO-UMR | Toulouse | France
E. Guzzonato | CS, Systèmes d'information | Le Plessis Robinson | France
O. Hagolle | Centre d'Etudes Spatiales de la Biosphère CESBIO-UMR | Toulouse | France
J. Inglada | Centre d'Etudes Spatiales de la Biosphère CESBIO-UMR | Toulouse | France
N. Kussul | Space Research Institute, NAS | Kyiv | Ukraine
D. Morin | Centre d'Etudes Spatiales de la Biosphère CESBIO-UMR | Toulouse | France
L. Nicola | CS Romania | Craiova | Romania
T. Rabaute | CS, Systèmes d'information | Le Plessis Robinson | France
M. Savignaud | CS, Systèmes d'information | Le Plessis Robinson | France
A. Shelestov | Space Research Institute, NAS | Kyiv | Ukraine
C. Udroui | CS Romania | Craiova | Romania
B. Koetz | European Space Agency-ESRIN | Frascati | Italy
S. Bontemps | Earth and Life Institute | Université Catholique de Louvain | Louvain-la-Neuve | Belgium

Grassland biomass assessment with remote sensing tools and open source software

A. Cimbelli | Istat | Rome | Italy
S. Tersigni | Istat | Rome | Italy
V. Vitale | Istat | Rome | Italy



AUSTRIA ROOM C2-50

CROSS-THEMATIC SET F DATA SOURCES / DATA COLLECTION / USE OF IT TOOLS / DATA QUALITY

9: 00-10: 30

F.37 **METHODOLOGICAL CHALLENGES AND PROPOSALS FOR THE NEXT AGRICULTURE CENSUS ROUND**

Session Organizer: J. Castano | FAO | Rome | Italy
M. Greco | Istat | Rome | Italy

Armenian experience on agricultural census

A. Safyan | National Statistical Service of the Republic of Armenia | Yerevan | Republic of Armenia
M. Mnatsakanyan | National Statistical Service of the Republic of Armenia | Yerevan | Republic of Armenia

Comparison between agricultural holdings in the farm register and agricultural holdings in the business register

E. Wixe | Swedish Board of Agriculture | Jönköping | Sweden

Strategy for agricultural statistics 2020 and beyond: for the future European agricultural statistics system (eass)

A. Lazar | Eurostat | Luxembourg | Luxembourg
J. Selenius | Eurostat | Luxembourg | Luxembourg
M. Jortay | Eurostat | Luxembourg | Luxembourg

Harnessing data revolution for cost-effective agricultural censuses in the 21st century with widely accessible and used results

N. Keita | FAO | Rome | Italy



ETHIOPIA ROOM C2-85

CROSS-THEMATIC SET F

DATA SOURCES / DATA COLLECTION / USE OF IT TOOLS / DATA QUALITY

11: 00-12: 30

BIG DATA FOR AGRICULTURAL STATISTICS

F.29 Session Organizer: P. Hackl | Vienna University of Economics and Business | Vienna | Austria

Application of data warehouse and big data technology in agriculture in India

N. P. Singh | Management Development Institute | Gurgaon | India

Exploring a big data approach to list building

L. Young | USDA National Agricultural Statistics Service | Washington, DC | USA
B. Rater | USDA National Agricultural Statistics Service | Washington, DC | USA
M. Hyman | USDA National Agricultural Statistics Service | Washington, DC | USA

Big data for the national agricultural census, Colombia 2014

S. Y. Rodriguez Figueroa | DANE | Bogotá | Colombia
S. Moreno | DANE | Bogotá | Colombia
Y. Acosta | DANE | Bogotá | Colombia
C. Maldonado | DANE | Bogotá | Colombia
W. Martinez | DANE | Bogotá | Colombia
A. Montero | DANE | Bogotá | Colombia
A. Murillo | DANE | Bogotá | Colombia

Istat farm register: data collection by using web scraping for agritourism farms

G. Barcaroli | Istat | Rome | Italy
P. Giordano | Istat | Rome | Italy
M. Greco | Istat | Rome | Italy
V. Moretti | Istat | Rome | Italy
P. Righi | Istat | Rome | Italy
M. Scarnò | CINECA | Rome | Italy
D. Fusco | Istat | Rome | Italy

16: 00-17: 30

F.39 **NEW SOFTWARE, APPS AND TOOLS FOR DATA COLLECTION IN AGRICULTURE STATISTICS**

Session Organizer: J. Parsons | USDA National Agricultural Statistics Service | Washington, DC | USA

Data Collection Methods and Information Technologies in Russian Agricultural Statistics

A. Surinov | Federal State Statistics Service (Rosstat) | Moscow | Russian Federation

The use of satellite images to forecast agricultural production

A. Laczynski | Central Statistical Office of Poland | Warsaw | Poland

Making the best selection and utilization of new IT tools for data warehouse systems

L. Bowling | USDA National Agricultural Statistics Service | Washington, DC | USA
T. Zhou | USDA National Agricultural Statistics Service | Washington, DC | USA

Leveraging technology to streamline the collection and visualization of agricultural and socio-economic data of vulnerable communities

J. Ardila | United Nations Office on Drugs and Crime | Bogotá | Colombia

J. Rojas | United Nations Office on Drugs and Crime | Bogotá | Colombia

F. Ramírez | United Nations Office on Drugs and Crime | Bogotá | Colombia

R. Vargas | United Nations Office on Drugs and Crime | Bogotá | Colombia

Are CAPI based surveys a cost-effective and viable alternative to PAPI surveys? Evidence from agricultural surveys in Tanzania and Uganda

M. Rahija | FAO | Rome | Italy

T. Mwisomba | National Bureau of Statistics | Dar es Salaam | Tanzania

M. A. Kamwe | National Bureau of Statistics | Dar es Salaam | Tanzania

J. Muwonge | Uganda Bureau of Statistics | Kampala | Uganda

U. Pica-Ciamarra | FAO | Rome | Italy

17: 45-19: 15

F.34 INTEGRATING AGRICULTURAL AND HOUSEHOLD SURVEYS

Session Organizer: C. Carletto | The World Bank | Rome | Italy

S. Hofman | USDA National Agricultural Statistics Service | Washington, DC | USA

The multifunctional farm household enterprise: using farm microdata to assess the rural economy impacts generated by farmer-operated off-farm businesses

S. Vogel | USDA Economic Research Service | Washington, DC | USA

R. D. Bollman | Rural Development Institute, Brandon University | Brandon, Manitoba | USA and University of Saskatchewan | Saskatoon, Saskatchewan | Canada

Comparative analysis of cross sectional and panel data collection for agricultural statistics in Malawi: does an integrated vehicle provide an effective framework?

I. Pangapanga-Phiri | Lilongwe University of Agriculture and Natural Resources | Lilongwe | Malawi

L. Pangapanga-Thangalimodzi Tembo | Research for Development-Smart Projects | Lilongwe | Malawi

Demographic and social characteristics of the agricultural producer's households

J. L. Hernández-Rodríguez | INEGI | Aguascalientes | Mexico

Use of integrated agricultural household surveys in the framework for collection of agricultural statistics

M. A. Steiner | USDA National Agricultural Statistics Service | Washington, DC | USA

The agricultural integrated survey (agris): rationale, methodology, implementation

F. Fonteneau | FAO | Rome | Italy

Developing a cost-effective model for a decadal programme of integrated census and surveys to meet the data demands for managing sustainable development of agriculture

M. K. Srivastava | FAO | Bangkok | Thailand



**AUSTRIA ROOM
C2-50**

CROSS-THEMATIC SET G

DATA ANALYSIS / INTEGRATION/ MODELING

G.42 11:00-12:30 ESTIMATION AND CLASSIFICATION OF LAND COVER AND LAND USE AREAS

Session Organizer: S. Pérez Cadena | INEGI | Aguascalientes | Mexico

Use of remote sensing in estimation of agricultural land

J. V. Aguilar | Servicio de Información Agroalimentaria y Pesquera (SIAP-SAGARPA) | Ciudad de México | México

P. Ornelas | Servicio de Información Agroalimentaria y Pesquera (SIAP-SAGARPA) | Ciudad de México | México

J. L. López | Servicio de Información Agroalimentaria y Pesquera (SIAP-SAGARPA) | Ciudad de México | México

J. E. Reyna | Servicio de Información Agroalimentaria y Pesquera (SIAP-SAGARPA) | Ciudad de México | México

H. Olva | Servicio de Información Agroalimentaria y Pesquera (SIAP-SAGARPA) | Ciudad de México | México

Validation of copernicus land monitoring services and area estimation

J. Gallego | JRC - European Commission | ISPRA | Italy

C. Sannier | SIRS | Villeneuve d'Ascq | France

A. Pennec | SIRS | Villeneuve d'Ascq | France

H. Dufourmont | European Environment Agency | Copenhagen | Denmark

The Italian land use inventory for assessing land use changes in Italy during last decades

M. Marchetti | Università degli Studi del Molise | Pesche | Italy

P. Corona | Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA SEL) | Arezzo | Italy

L. Fattorini | University of Siena | Siena | Italy

M. C. Pagliarella | Università degli Studi del Molise | Pesche | Italy

M. Munafò | ISPRA - Italian National Institute for Environmental Protection and Research | Rome | Italy

G. Chirici | University of Florence | Florence | Italy

F. Lombardi | University of Reggio Calabria | Reggio Calabria | Italy

M. Ottaviano | Università degli Studi del Molise | Pesche | Italy

M. Vizzarri | Università degli Studi del Molise | Pesche | Italy

L. Sallustio | Università degli Studi del Molise | Pesche | Italy

Land cover change and rural livelihoods: a spatial analysis on Northern Ghana

C. Azzarri | IFPRI | Washington, DC | USA

B. Haile | IFPRI | Washington, DC | USA

S. Signorelli | IFPRI | Washington, DC | USA

Z. Guo | IFPRI | Washington, DC | USA

Performance of area estimation by integration of line transect sampling and multi-source remote sensing data

B. Wu | Chinese Academy of Sciences | Beijing | China

M. Zhang | Chinese Academy of Sciences | Beijing | China

M. Li | Chinese Academy of Sciences | Beijing | China

Y. Zheng | Chinese Academy of Sciences | Beijing | China

16:00 – 17:30

G.40/41 SPATIAL AND ECONOMETRIC ANALYSIS IN AGRICULTURE STATISTICS

Session Organizer: P. Sckokai | Università Cattolica del Sacro Cuore | Milano | Italy

Spatial perspective and growth in indian agriculture: 1967-2010

T. Chatterjee | Indira Gandhi Institute of Development Research | Mumbai | India

Inference and diagnostic in spatial models: an application to wheat productivity

F. De Bastiani | Universidade Federal de Pernambuco | Recife | Brazil

Statistical matching of FER and agricultural census data: a way forward to relate economic and structural variables

G. Stefani | University of Florence | Florence | Italy
G. V. Lombardi | University of Florence | Florence | Italy
L. Cei | University of Florence | Florence | Italy
B. Rocchi | University of Florence | Florence | Italy
S. Giampaolo | Istat | Rome | Italy

Inferring the big picture from data: combining different data sources to understand the operation of the dairy sector in Malawi

C. Revoredo-Giha | Scotland's Rural College (SRUC) | Edinburgh | United Kingdom
L. Toma | Scotland's Rural College (SRUC) | Edinburgh | United Kingdom

A dynamic spatial modeling of agricultural price transmission: evidence from niger millet market

A. Goundan | IFPRI | Dakar | Senegal
M. Tankari | IFPRI | Dakar | Senegal

17:45-19:15

G.45 NEW SOFTWARE, APPS AND TOOLS FOR DATA ANALYSIS, INTEGRATION AND MODELLING IN AGRICULTURE STATISTICS

Session Organizer: J. Parsons | USDA National Agricultural Statistics Service | Washington, DC | USA

The Canadian longitudinal census of agricultural file – a tool to better understand structural change on Canadian farms

K. Nagelschmitz | Agriculture and Agri-Food Canada | Ottawa | Canada
J. F. Frenette | Agriculture and Agri-Food Canada | Ottawa | Canada
M. Brown | Statistics Canada | Ottawa | Canada
S. Prasil | Statistics Canada | Ottawa | Canada

Extending the laco-wiki tool for land cover validation to crop area estimation

J.C. LasoBayas | IIASA | Laxenburg | Austria
S. Fritz | IIASA | Laxenburg | Austria
L. See | IIASA | Laxenburg | Austria
C. Perger | IIASA | Laxenburg | Austria
C. Dresel | IIASA | Laxenburg | Austria
J. Gallego | European Commission Joint Research Center (JRC) | ISPRA | Italy
H. Kerdiles | European Commission Joint Research Center (JRC) | ISPRA | Italy
J. Weichselbaum | GeoVille Information Systems GmbH | Innsbruck | Austria
I. McCallum | IIASA | Laxenburg | Austria
I. Moorthy | IIASA | Laxenburg | Austria
F. Kraxner | IIASA | Laxenburg | Austria
M. Obersteiner | IIASA | Laxenburg | Austria

Re-engineering the “estimate of crop, flower and pot plant production and area” survey: a fully integrated and automated system for data collection, analysis and dissemination

R. Gismondi | Istat | Rome | Italy
R. M. Aracri | Istat | Rome | Italy
G. D'Amato | Istat | Rome | Italy
P. Giorgetti | Istat | Rome | Italy
L. De Gaetano | Istat | Rome | Italy
M. Silipo | Istat | Rome | Italy
G. Vaste | Istat | Rome | Italy

Selective editing procedure for the community survey on the structure of agricultural holdings

R. Varriale | Istat | Rome | Italy
O. Luzi | Istat | Rome | Italy
G. Seri | Istat | Rome | Italy

Assessing the impact of infectious disease outbreaks on agriculture and food security: the case of the ebola virus disease outbreak in west

J. Senahoun | FAO | Rome | Italy
K. Gunjal | FAO | Rome | Italy



**GERMAN ROOM
H46 - 48**

CROSS-THEMATIC SET H

**DATA DISSEMINATION & COMMUNICATION /
USE OF STATISTICS FOR POLICY MAKING & RESEARCH**

11:00-12:30

H.46 PLATFORMS FOR DATA DISSEMINATION AND DATA ANALYSIS

Session Organizer: O. Dupriez | The World Bank | Washington, DC | USA

Dissemination and visualization of agricultural statistics in Malawi: unravelling the potential role of the media community

L. Pangapanga-Thangalimodzi | Research for Development | Lilongwe | Malawi
I. Pangapanga-Phiri | Lilongwe University of Agriculture and Natural Resources | Lilongwe | Malawi

Using modern technology to make metadata of agricultural statistics available for data users

W. Mohammed | Central Agency for public Mobilization and statistics (CAPMAS) | Cairo | Egypt

Standards and tools for the dissemination of agriculture microdata: review and improvements

M. Welch | The World Bank | Washington, DC | USA

16:00-17:30

H.48 THE NEW PROFESSIONAL PROFILE OF AGRICULTURAL STATISTICIANS

Session Organizer: P. Everaers | Eurostat | Luxembourg | Luxembourg

The role of the subject matter and the methodological skill in the profile of modern agricultural statistician

H. Kouadio | École Nationale Supérieure de Statistique et d'Économie Appliquée (ENSEA) | Abidjan | Ivory Coast

The role of communication skills in the profile of modern agricultural statisticians

B. Domaszewicz | Central Statistical Office of Poland | Warsaw | Poland

Information technology skills in the profile of modern agricultural statisticians

J. Parsons | USDA National Agricultural Statistics Service | Washington, DC | USA

The role of recruitment and training in answer to the request for agricultural statisticians

A.Näslund | Eurostat | Luxembourg | Luxembourg

17:45 -19:15

H.47 MEASURING THE USE OF AGRICULTURAL STATISTICS FOR DECISION-MAKING

Session Organizer: Pietro Gennari | Chief Statistician and Director, Statistics Division | FAO | Rome | Italy

The national agricultural statistics review: collaborative partnerships supporting the Australian agricultural statistical system

N. Lehmann | Australian Bureau of Statistic | Hobart | Australia
J. Hodges | Australian Bureau of Statistic | Hobart | Australia

Inevitability of interdisciplinary statistical laboratories for food and agricultural research in developing countries: the case of Pakistan

A. Muhammad | Nuclear Institute for Food and Agriculture (NIFA) | Peshawar | Pakistan

E.A. Vance | Laboratory for Interdisciplinary Statistical Analysis (LISA) | Virginia Tech | Blacksburg | USA

The (under)utilization of agricultural statistics in Tanzania and Uganda: evidence and innovation

T. Mwisomba | NBS |Dar es Salaam |United Republic of Tanzania
P. Okello | Uganda Bureau of Statistics | Kampala | Uganda

U. Pica-Ciamarra | FAO |Rome | Italy

L. Nsiima | Ministry of Livestock and Fisheries Development | Dar es Salaam | United Republic of Tanzania

J. Sserugga | Ministry of Agriculture, Animal Industry and Fisheries | Entebbe | Uganda

Assessing the impact of agricultural research: data requirements and quality of current statistics in Europe

A. Coli | University of Pisa | Pisa | Italy

F. Bartolini | University of Pisa | Pisa | Italy

A. Magrini | University of Florence | Florence | Italy

B. Pacini | University of Pisa | Pisa | Italy

L. Porciani | Istat | Rome | Italy

Measuring the results of Fao's statistics work

M. Dowlatchahi | FAO | Rome | Italy

C. De Vitiis| Istat | Rome | Italy

A. Donmez | FAO | Rome | Italy

P. Gennari | FAO | Rome | Italy

V. Gualtieri | Isfol | Rome | Italy

28 OCTOBER 2016



**GREEN ROOM
A1-22**

PLENARY SESSION

14: 00-15: 30

PL- 4 FINANCING THE MODERNIZATION OF AGRICULTURAL STATISTICS: STATISTICAL CAPACITY DEVELOPMENT INITIATIVES AND RESOURCE MOBILIZATION

Session Organizer: C. Duhamel | FAO | Rome | Italy

F. Lawson | African Development Bank | Abidjan | Ivory Coast

Modernization of agricultural statistics: how to make it happen? European statistical system experience

M. Kotzeva | Eurostat | Luxembourg | Luxembourg

How to sustain and increase financing for statistics in the era of SDG'S

M. V. Belkindas | Open Data Watch | Washington, DC | USA

Experience of Tanzania to bring political will for financing agricultural statistics

A. Chuwa | NBS Tanzania | Dar es Salaam | Tanzania

Alternative approaches for funding sustainable agricultural statistical systems at country level

C. Duhamel | FAO | Rome | Italy

15: 30-16: 00

CLOSING CEREMONY



09: 00-10: 30

B.09 FINDING THE NEEDLE IN THE HAYSTACK: ESTIMATING COMMODITIES THAT ARE DIFFICULT TO CAPTURE IN OFFICIAL AGRICULTURAL STATISTICS (ILLICIT COMMODITIES AND NOMADIC LIVESTOCK)

Session Organizer: C. Bussink | United Nations Office on Drugs and Crime | Statistics and Surveys Section, Trends Monitoring and Analysis Programme | Vienna | Austria

Comparing dot grid sampling versus full area mapping for illicit crop monitoring in Bolivia

T. Bauer | University of Natural Resources and Life Sciences | Institute of Surveying, Remote Sensing and Land Information | Vienna | Austria

W. Schneider | University of Natural Resources and Life Sciences | Institute of Surveying, Remote Sensing and Land Information | Vienna | Austria

C. Bussink | United Nations Office on Drugs and Crime | Statistics and Surveys Section, Trends Monitoring and Analysis Programme | Vienna | Austria

H. Catari | United Nations Office on Drugs and Crime, Field office Bolivia | La Paz | Bolivia

Using law enforcement data to estimate illicit activity in an internationally traded illegal commodity

F. M. Underwood | Independent Consultant - University of Reading | Taunton/Reading | United Kingdom

Opium yield estimates in Afghanistan using remote sensing

T. W. Waine | Cranfield University | Cranfield | United Kingdom

D. M. Simms | Cranfield University | Cranfield | United Kingdom

Survey methods for the enumeration of nomadic and semi-nomadic (transhumant) livestock

N. Georgieva | FAO | Rome | Italy

N. Keita | FAO | Rome | Italy

D. Bako | FAO | Rome | Italy

Increased quality in statistics on crop residues and lime used as input to greenhouse gas inventories

Y. AndristRangel | Statistics Sweden | Örebro | Sweden

A. Redner | Statistics Sweden | Örebro | Sweden |

L. Otterskog | Statistics Sweden | Örebro | Sweden

G. Wahlstedt | Statistics Sweden | Örebro | Sweden

Environmental sustainability of the use of pesticides. A case study: "the Po river basin"

P. Paris | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

L. Citro | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

T. Cornetta | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

D. Esposito | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

S. Giardina | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

G. Maschio | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

E. Pace | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

R. Pacifico | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

D. Parisi Presicce | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

D. Romoli | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

S. Ursino | ISPRA - Institute for Environmental Protection and Research | Rome | Italy

How to evaluate the impact of agrienvironmental policies on biodiversity in rural areas. The case of high nature value farming system

A. Povellato | CREA-INEA | Legnaro | Italy

D. Longhitano | CREA-INEA | Legnaro | Italy

The environmental effects of meat: from livestock to slaughter in Italy. Integration between data and GIS

D. Fusco | Istat | Rome | Italy

C. Sermoneta | Istat | Rome | Italy

F. Lipizzi | Istat | Rome | Italy

G. Endennani | Istat | Rome | Italy

V. Moretti | Istat | Rome | Italy



09: 00-10: 30

B.13 CAPTURING THE ENVIRONMENTAL IMPACT OF AGRICULTURAL ACTIVITIES

Session Organizer: R. I. Smith | TIES | Edinburgh | United Kingdom

Regional prediction of soil organic carbon content over temperate croplands using different multiscale measurements by hierarchical modelling.

L. Bel | UMR MIA-Paris | AgroParisTech | Paris | France

J. Tresso | UMR MIA-Paris | AgroParisTech | Paris | France

E. Vaudour | UMR ECOSYS | AgroParisTech | Paris | France

M. Zaouche | UMR MIA-Paris | AgroParisTech | Paris | France



11: 00-12: 30

B.14 COMMUNICATING THE COMPLEXITY OF SUSTAINABLE FOOD AND AGRICULTURE

Session Organizer: P. Conforti | FAO | Rome | Italy

M. Dominguez Torreiro | FAO | Rome | Italy

Developing the indicator system of sustainable agriculture - application of composite indicators

G. Valko | Hungarian Central Statistical Office | Budapest | Hungary

Does official farm statistics still tell us much about the real farm structure in Germany?

B. Forstner | Thünen-Institute | Braunschweig | Germany
E. Zavyalova | Thünen-Institute | Braunschweig | Germany

Farmers' willingness to pay for improved agricultural technologies: results from field experiment in Tanzania

A. Shee | IFPRI | Arusha | United Republic of Tanzania
C. Azzarri | IFPRI | Arusha | United Republic of Tanzania
B. Haile | IFPRI | Arusha | United Republic of Tanzania

A composite indicator on farm sustainability. The potential of the Italian census of agriculture

T. Rondinella | Istat | Rome | Italy
S. Giampaolo | Istat | Rome | Italy
E. Grimaccia | Istat | Rome | Italy



**GREEN ROOM
A1-22**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR**

9: 00 – 10: 30

**C.23 MONITORING AGRICULTURAL DEVELOPMENT POLICIES
AND AGRICULTURAL INVESTMENT**

Session Organizer: M. Sabbatini | University of Cassino
and Southern Lazio | Cassino | Italy
M. Sassi | Università degli Studi di Pavia | Pavia | Italy

What real interest in the assessment of the quality and the efficiency of agricultural investment between COFOG and COFOG revised methodology? Case of Togo from 2011 to 2013

L. Kenao | Ministry of Agriculture | Lome | Togo

Adoption of rural development policies in rural areas: a privilege for the few?

M. De Rosa | University of Cassino and Southern Lazio | Cassino | Italy
F. Adinolfi | University of Bologna | Bologna | Italy
L. Bartoli | University of Cassino and Southern Lazio | Cassino | Italy
F. Capitanio | University of Naples "Federico II" | Napoli | Italy

Does judicial efficiency improve productivity? Evidence from Italian farms

S. Comi | University of Milano-Bicocca | Milano | Italy
S. De Leo | Council for agricultural research and economic analysis | Rome | Italy
P. Doria | Council for agricultural research and economic analysis | Rome | Italy
M. Grasseni | University of Bergamo | Bergamo | Italy

The inverse farm size productivity relationship: some new evidence from Sub-Saharan African countries

P. L. Scandizzo | University of Rome Tor Vergata | Rome | Italy
S. Savastano | University of Rome Tor Vergata | Rome | Italy



**PHILIPPINE ROOM
C2-77**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR**

9: 00 – 10: 30

C.18 LAND STATISTICS

Session Organizer: K. Deininger | World Bank | Washington, DC | USA

The tenure, ownership, and transition of agricultural land (total survey conducted by the National Agricultural Statistics Service

H. Hamer | USDA National Agricultural Statistics Service | Washington, DC | USA

Combining administrative data to support evidence-based land policy reform: lessons from Ukraine

D. Nizalov | Cap. Dev. for Evidence-Based Land & Agricultural Policy Making Project in Ukraine | Kiev | Ukraine
K. Deininger | Development Research Group, World Bank | Washington, DC | USA
O. Niviyevskiy | Cap. Dev. for Evidence-Based Land & Agricultural Policy Making Project in Ukraine | Kiev | Ukraine
S. Kubakh | Cap. Dev. for Evidence-Based Land & Agricultural Policy Making Project in Ukraine | Kiev | Ukraine

Competitive pressure and structural change in agriculture. Is larger better? An analysis of Italian census Data

C. Russo | University of Cassino and Southern Lazio | Cassino | Italy
C. Cardillo | CREA - Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria | Roma | Italy
D. Fusco | Istat | Rome | Italy

Cheaper, faster and more than good enough: is GPS the new gold standard in land area measurement?

Alberto Zezza | The World Bank | Rome | Italy
C. Carletto | The World Bank | Rome | Italy
S. Gourlay | The World Bank | Rome | Italy
S. Murray | The World Bank | Rome | Italy



**IRAN ROOM
B1-16**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR**

11: 00 – 12: 30

C.17 MEASURING TRADE PROTECTION AND OTHER FORMS OF INDIRECT TAX/SUBSIDIES

Session Organizer: W. Martin | IFPRI | Washington, DC | USA

Review of agriculture support policies in Latin America and the Caribbean

C. P. De Salvo | IDB | Washington, DC | USA
M. Gurria | Consultant IDB | Washington, DC | USA
R. Boyce | IDB | Washington, DC | USA

Towards a consolidated database of distortions agricultural incentives: the AG-Incentives Consortium

S. Tokgoz | IFPRI | Washington, DC | USA
D. Laborde | IFPRI | Washington, DC | USA
F. Majeed | IFPRI | Washington, DC | USA

A decade of agriculture policy support in Sub-Saharan Africa. A review of selected results of the Monitoring and Analysing Food and Agricultural Policies (MAFAP) Programme

J. Balié | FAO | Rome | Italy
S. Nelgen | FAO | Rome | Italy



**PHILIPPINE ROOM
C2-77**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR**

11: 00 – 12: 30

C.21 STATISTICS ON FARM STRUCTURE AND TECHNOLOGICAL INNOVATION OF AGRICULTURAL HOLDINGS

Session Organizer: Young | USDA National Agricultural Statistics Service | Washington, DC | USA

Food security with sustainable livelihood through Integra

C. Pramanik | Tata Consultancy Services | Hyderabad | India
S. Pappula | Tata Consultancy Services | Hyderabad | India
S. Sarangi | Tata Consultancy Services | Mumbai | India
P. V. Praneet | Tata Consultancy Services | Kochi | India
S. Selvan | Tata Consultancy Services | Chennai | India

Computer usage and internet access at agricultural and horticultural farms in Finland

J. Laiho-Kauranne | Natural Resources Institute Finland (Luke) | Helsinki | Finland
P. Mattila | Natural Resources Institute Finland (Luke) | Helsinki | Finland
J. Kyyrä | Natural Resources Institute Finland (Luke) | Helsinki | Finland

How to analyse the farm structure, how to support innovation by data

E. Laczka | Central Statistical Office | Budapest | Hungary

Farm structure: towards an integrated classification framework and typology

N. Georgieva | FAO | Rome | Italy
M. C. Ahearn | Consultant, FAO | Rome | Italy
M-A. Even | FAO | Rome | Italy
S. Saravia-Matus | Consultant FAO | Rome | Italy



**GREEN ROOM
A1-22**

THEMATIC SET C

**MARKETS, PRICES AND VALUE CHAINS FOR
THE AGRIBUSINESS SECTOR**

11: 00 – 12: 30

C.22 MEASURING THE EVOLUTION OF FARMING PRACTICES

Session Organizer: A. Sorrentino | Università degli Studi della Tuscia | Viterbo | Italy

Intensity of adoption of agricultural innovations in risky environment: the case of corn producers in West-Cameroon

P. Koncy Fosso | University of Douala | Douala | Cameroon

How has farming practices affected the cereal production in Morocco?

A. Mansouri | High Commission for Planning | Rabat | Morocco

Evolution of farming practices in the french vineyard. The use of pesticides 2006-2013

J. Pujol | Ministry of agriculture, food and forestry | Castanet-Tolosan | France

Climate-smart agriculture practices in Zambia: an economic analysis at farm level

G. Branca | University of Tuscia | Viterbo | Italy
A. Paolantonio | IFAD | Rome | Italy
R. Cavatassi | IFAD | Rome | Italy
D. Banda | Ministry of Agriculture | Lusaka | Zambia
U. Grever | FAO | Rome | Italy
M. Kokwe | FAO | Lusaka | Zambia
L. Lipper | CGIAR Independent Science & Partnership Council (ISPC) | Rome | Italy

The set of indicators for assessing progress achieved under the national action plan for the sustainable use of plant protection products in Italy

S. Lucci | ISPRA - Institute for Environmental Protection and Research | Rome | Italy
A. Galosi | ISPRA - Institute for Environmental Protection and Research | Rome | Italy
D. Pagliuca | Istat | Rome | Italy
L. Segazzi | ISPRA - Institute for Environmental Protection and Research | Rome | Italy



**AUSTRIA ROOM
C2-50**

CROSS-THEMATIC SET F

**DATA SOURCES / DATA COLLECTION /
USE OF IT TOOLS / DATA QUALITY**

9: 00-10: 30

F.36 MASTER SAMPLE FRAME FOR AGRICULTURAL SURVEYS

Session Organizer: R. Benedetti | Università degli Studi G. d'Annunzio | Chieti - Pescara | Italy

J. Gallego | EC JRC, Econometrics and Applied Statistic | ISPRA | Italy

Development of multiple sampling frames for agricultural surveys in kenya

P. Mwaniki | Kenya National Bureau of Statistics | Nairobi | Kenya

Master sample frame for agricultural surveys in Georgia

M. Guntsadze | National Statistics Office of Georgia | Tbilisi | Georgia

Using administrative registers for making a sample frame for agricultural statistics - Methodologies, techniques and experiences

A. M Karlsson | Swedish Board of Agriculture | Jönköping | Sweden

Master sampling frames for agricultural, rural and agro-environmental statistics, methodological and practical issues

E. Carfagna | University of Bologna | Bologna | Italy

Master sample frames for integrated and linked surveys

V. Boero | FAO | Santiago de Chile | Chile



**GERMAN ROOM
C2-69**

CROSS-THEMATIC SET F

**DATA SOURCES / DATA COLLECTION /
USE OF IT TOOLS / DATA QUALITY**

9: 00-10: 30

F.38 POST-DISASTER NEEDS ASSESSMENTS AND RAPID ASSESSMENTS TOOLS

Session Organizer: S. Ahmed | FAO | Rome | Italy

Unpacking decision bound stories from expert and household focused post disaster needs assessment occurrence in Malawi?

I. Pangapanga-Phiri | National Statistical Office | Zomba | Malawi

Rethinking livestock safety in natural disasters: the way forward with improved social insurance in disaster management in India

S. Nath | Jawaharlal Nehru University | New Delhi | India

Macro-scale assessment and response to natural disasters. An oda approach

M. C. Bramati | Sapienza University | Rome | Italy

Measuring financial implications of the impacts and effects of natural disasters on the agriculture sector and sub-sectors

D. Barelli | FAO | Rome | Italy

R. Zapata-Martí | European Union | Brussels | Belgium

N. Singh | Middle East Research Institute | Erbil | KRI | Iraq

A methodology to assess damage and losses from natural hazard-induced disasters in agriculture

N. Lombardi | FAO | Rome | Italy

K. Caprazli | FAO | Rome | Italy

P. Conforti | FAO | Rome | Italy

C. Raisaro | FAO | Rome | Italy

S. Ramasamy | FAO | Rome | Italy



**AUSTRIA ROOM
C2-50**

CROSS-THEMATIC SET F

**DATA SOURCES / DATA COLLECTION /
USE OF IT TOOLS / DATA QUALITY**

11: 00-12: 30

F.31 USE OF OPINION POLLS FOR INFORMING FOOD SECURITY AND WELL-BEING MEASUREMENT

Session Organizer: A. Rzepa | Gallup | London | United Kingdom

Exploring the impact of frequent consumption of fruits and vegetables on life satisfaction: study for the United States

F. Morthera | Gallup | London | United Kingdom

Food insecurity and subjective well-being: an exploratory analysis of global heterogeneity

P. Diego-Rosell | Gallup | Castellón de la Plana | Spain

Perceived well-being by visiting urban green areas: an analysis using partial-least squares models

L. Secondi | University of Tuscia | Viterbo | Italy

G. Carrus | Università degli Studi Roma Tre | Rome | Italy

W. Mattioli | University of Tuscia | Viterbo | Italy

L. Portoghesi | University of Tuscia | Viterbo | Italy

A. Tomao | University of Tuscia | Viterbo | Italy

Prevalence and correlates of food insecurity among children across the globe

S. Handa | UNICEF | Florence | Italy

Gender disparities in reported life evaluation within food insecure and regionally diverse populations

T. Ballard | FAO | Rome | Italy

M. Del Grossi | University of Brasília - UnB | Planaltina | Brazil



**GERMAN ROOM
C2-69**

CROSS-THEMATIC SET F

**DATA SOURCES / DATA COLLECTION /
USE OF IT TOOLS / DATA QUALITY**

11: 00-12: 30

F.35 SAMPLING STRATEGIES AND ESTIMATION METHODS FOR INTEGRATION IN AGRICULTURE STATISTICS

Session Organizer: P.D. Falorsi | Istat | Rome | Italy

A spatially nonstationary fay-herriot model for small area estimation -An application to crop yield estimation

H. Chandra | Indian Agricultural Statistics Research Institute (IASRI) | New Delhi | India

R. Chambers | University of Wollongong | Wollongong | Australia

U. C. Sud | Indian Agricultural Statistics Research Institute | New Delhi | India

Assisting total estimation in spatial populations

D. Cocchi | University of Bologna | Bologna | Italy

F. Bruno | University of Bologna | Bologna | Italy

Estimation strategies with different sources of information

A. Fasulo | Istat | Rome | Italy

F. Solari | Istat | Rome | Italy

Reconciliation of censuses and survey data during the next round of agricultural census

U. E. Nyamsi | FAO | Rome | Italy

U. E. Nyamsi | FAO | Accra | Ghana

Indirect sampling, a way to overcome the weakness of the lists in agricultural surveys

A. Piersante | FAO | Rome | Italy

D. Bako | FAO | Rome | Italy

PROGRAMME SIDE EVENTS



GERMAN ROOM
C2-69

27 OCTOBER 2016

09: 00-10: 30

Expert meeting on rural and urban area definition

13: 00-14: 00

Launch of sourcebook 'National socioeconomic surveys in forestry' - guidance and survey modules for measuring the multiple roles of forests in household welfare and livelihoods
SHEIKH ZAYED CENTRE Atrium



ETHIOPIA ROOM
C2-85

28 OCTOBER 2016

08: 00-09: 00

Meeting of the ISI Committee on agricultural statistics (ISI CAS)



PHILIPPINE ROOM
C2-77

28 OCTOBER 2016

13: 15-14: 00

Launch of new FAOSTAT



GENERAL INFORMATION

MEETING VENUE

The Conference takes place at the FAO Headquarters, located on Viale delle Terme di Caracalla, in front of the Circo Massimo archaeological area.

WORKING LANGUAGE

English is the official language of the Conference. The scientific programme includes Plenary Sessions, Parallel Sessions with oral presentations in English and a Poster Session.

REGISTRATION AND IDENTIFICATION BADGES

Conference Registration is mandatory in order to attend the Sessions and the Conference Events.

For identification, all participants should always wear the badge during the meeting.

BREAK

Lunches and coffee breaks will be offered to participants outside the meeting room.



SOCIAL PROGRAMME

WELCOME COCKTAIL

Wednesday, October 26 – 07:15 pm

A Welcome Cocktail will be served for all participants on the panoramic roof top of the FAO Headquarters building.



GALA DINNER (OPTIONAL PAY PROGRAMME)

Thursday, October 27

The tour involves a private visit of the National Etruscan Museum and its collections followed by a Gala Dinner held in Villa Giulia.



19:30

Meeting point at FAO headquarters Main entrance for the provided transfer to Villa Giulia



20:00

Visit of the National Etruscan Museum



20:45

Gala Dinner in Villa Giulia



23:00

Return to Piazza della Repubblica (near Termini Station)

The **National Etruscan Museum** (Museo Nazionale Etrusco) is a museum of the Etruscan civilization, located in Villa Giulia. The museum's most famous single treasure is the terracotta funerary monument of the life-size Bride and Groom (the so-called Sarcophago degli Sposi, or Sarcophagus of the Spouses) reclining as if they were at a dinner party. Other objects held are the Etruscan Phoenician Pyrgi Tablets, the Apollo of Veii, the Cista Ficoroni, a reconstructed frieze displaying Tydeus eating the brain of his enemy Melanippus, the Tita Vendia vase, the Sarpedon krater (or, the "Euphronios krater"), the Centaur of Vulci.

Villa Giulia was built for pope Julius III, for whom it was named. The museum was founded in 1889 as part of the same nationalistic movement, with the aim of collecting together all the preRoman antiquities of Latium, southern Etruria and Umbria belonging to the Etruscan and Faliscan civilizations, and has been housed in the villa since the beginning of the 20th century.



ICAS VII SCIENTIFIC PROGRAMME COMMITTEE

The technical content of this Seventh International Conference on Agricultural Statistics is set by the ICAS VII Scientific Programme Committee, co-chaired by the Chair of ISI CAS and the President of National Institute for Statistics of Italy (Istat).

CO-CHAIRS

Giorgio Alleva | Istat President

Pietro Gennari | FAO Chief Statistician and Director, Statistics Division

MEMBERS

Rui M. S. Benfica | International Fund for Agricultural Development (IFAD)

Lisa Grace S. Bersales | Philippine Statistics Authority (PSA)

Mary Bohman | Economic Research Service, US Department of Agriculture (USDA-ERS) – USA

Flávio Bolliger | Instituto Brasileiro de Geografia e Estatística (IBGE)

Calogero Carletto | World Bank

Geoffrey Greenwell | Partnership in Statistics for Development in the 21st Century (PARIS21)

Neil Hubbard | Institute for Environment and Sustainability (JRC-IES) – European Commission

Arif Husain | UN World Food Programme (WFP)

Tassos Haniotis | Directorate-General for Agriculture and Rural Development (DG-AGRI) – European Commission

Marcel Jortay | Directorate-General Eurostat (DG-ESTAT) – European Commission

Shigeru Kawasaki | International Association for Official Statistics (IAOS)

Ada van Krimpen | The International Statistical Institute (ISI)

Angela Me | UN Office on Drugs and Crime (UNODC)

Pedro N. Silva | The International Statistical Institute (ISI)

Tolulope Olofinbiyi | International Food Policy Research Institute (IFPRI)

Susana Pérez Cadena | Instituto Nacional de Estadística y Geografía (INEGI) – Mexico

Alessandro Sorrentino | Università degli Studi della Tuscia – Italy

Franco Sotte | Università Politecnica delle Marche – Italy

Michael Steiner | National Agricultural Statistical Service, US Department of Agriculture (USDA-NASS) – USA

COMMITTEE



NATIONAL SCIENTIFIC COORDINATION COMMITTEE

The National Scientific Coordination Committee combines to bring about the promotion of a wide participation of Italy in the various fields of interest of the Conference. It also contributes to: identifying the topics to be included in the different sessions; singling out the speakers; providing assistance to the evaluation activities of the national and international contributions deriving from the call for papers; offering a scientific support to Istat in carrying out the works.

CHAIR

Giorgio Alleva | Istat President

EXTERNAL MEMBERS

Corrado Barberis | National Institute of Rural Sociology
Luca Cesaro | National Institute of Agricultural Economics
Paolo Cupo | University of Naples Federico II
Roberto Fanfani | University of Bologna
Stefano Lucci | Institute for Environmental Protection and Research
Andrea Mancini | former Istat Director of the Censuses, Administrative and Statistical Register Department
Maria Rosaria Napolitano | Institute of Services for the agricultural and food market
Carlo Russo | University of Cassino and of Southern Lazio
Massimo Sabbatini | University of Cassino and of Southern Lazio
Paolo Soprano | Ministry for the Environment, Land and Sea
Angelo Mariano | State Forestry Department
Mario Perosino | CISIS – Interregional center for information systems, geographical, statistical | Piemonte Region

ISTAT MEMBERS

Marco Ballin
Roberto Gismondi
Angela Ferruzza
Micaela Jouvenal
Marina Gandolfo
Massimo Greco
Elena Grimaccia
Carla De Nisco



LOCAL ORGANIZING COMMITTEE

Tasks of the group are the definition of the integrated communication project and the PR strategy in support of the event; the management of the process of acquiring, sharing and monitoring of scientific documentation; the definition of editorial standards and the issue of proceedings; the implementation of the dedicated website.

Members Coordinator

Patrizia Cacioli | Director for Dissemination and Communication of Statistical Information | Istat

Assistant coordinator

Micaela Paciello | Istat

Members

Kafkas Caprazli | FAO
Carola Fabi | FAO
Micaela Jouvenal | Istat
Xenia Caruso | Istat
Ariella Martino | Istat
Sofia Barletta | Istat
Patrizia Fontana | Istat
Francesca Ferrante | Istat
Giulia Peci | Istat
Leonardo Salvatore Alaimo | Istat
Alessia Aubert | Istat

Since 1998 the International Conference on Agricultural Statistics (ICAS) has been held every three years under the auspices of the International Statistical Institute (ISI) Committee on Agricultural Statistics.

ICAS VII is organized by the Italian National Institute of Statistics (Istat) in close collaboration with the Food and Agriculture Organization of the UN (FAO).