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# RESHAPING AGRICULTURE'S CONTRIBUTIONS TO SOCIETY

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2003

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## PROCEEDINGS OF THE TWENTY-FIFTH INTERNATIONAL CONFERENCE OF AGRICULTURAL ECONOMISTS

*Held at Durban, South Africa  
16-22 August, 2003*

Edited by  
David Colman, University of Manchester,  
England  
and  
Nick Vink, University of Stellenbosch,  
South Africa

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# Conference Program

## INTERNATIONAL EXECUTIVE COMMITTEE

President IAAE	Joachim von Braun <i>IFPRI, Washington DC, USA</i>
President Elect IAAE	Prabhu Pingali <i>FAO, Rome, Italy</i>
Past President IAAE	Douglas D. Hedley <i>Agriculture and Agri-Food Canada</i>
Secretary-Treasurer IAAE	Walter J. Armbruster <i>Farm Foundation, USA</i>
Vice President Program	David Colman <i>University of Manchester, UK</i>
Member	Roley Piggott <i>University of New England, Australia</i>
Member	Johan van Zyl <i>Santam (Pty) Ltd, South Africa</i>
Member	Ling Zhu <i>Chinese Academy of Social Sciences</i>
Editor IAAE's Journal	Stephan von Cramon Taubadel <i>Georg-August University, Germany</i>

## CONFERENCE PROGRAM COMMITTEE

Program Co-ordinator	David Colman <i>University of Manchester, United Kingdom</i>
Contributed Paper Organizers	Michele Veeman and Terry Veeman <i>University of Alberta, Canada</i>
Poster Paper Organizer	Keijiro Otsuka <i>GRIPS/FASID Joint Graduate Program, Japan</i>
Mini-symposia and Discussion Paper Organizer	Wallace E. Tyner <i>Purdue University, United States of America</i>
Computer Presentation Organizer	Peter Wehrheim <i>University of Bonn, Germany</i>

## NATIONAL STEERING COMMITTEE

Bongiwe Njobe	National Dept of Agriculture (Chairperson)
Johan van Zyl	Santam (Pty) Ltd
Johan van Rooyen	South African Wine and Brandy Company
Tamás Fenyés	Vista University
Moraka Makhura	Development Bank of Southern Africa
Gerhard Backeberg	Water Research Commission

Gerhard Coetzee	Ebony Consulting International
Bertus van Heerden	Standard Bank of South Africa
André Louw	ABSA Bank
Johann Kirsten	University of Pretoria
Charles Machethe	University of Pretoria
Nick Vink	University of Stellenbosch
Dirk Troskie	Department of Agriculture, Western Cape
André Jooste	University of the Free State
Herman van Schalkwyk	University of the Free State
Gerald Ortmann	University of Natal
Ruvimbo Chimedza	University of Zimbabwe
T.B. Seleka	University of Botswana
Bankies Malan	Landbank
Graham Moor	Cane Growers Association

### SOUTH AFRICAN ORGANIZING COMMITTEE

Gerhard Coetzee	Ebony Consulting International (Pty) Ltd and University of Pretoria (Co-Chair)
Johann Kirsten	University of Pretoria (Co-chair)
Melanie Campbell	Event Dynamics (Pty) Ltd

### PROGRAM

<b>SATURDAY 16 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h00 – 09h00	Workshops and Conference Registration	ICC Foyer
09h00 – 18h00	Learning Workshop 1: Analytical and Empirical Tools for Poverty Research	Meeting Room 12AB
09h00 – 17h00	Learning Workshop 2: Food Security Measurement in a Developing World Context with a Focus on Africa	Meeting Room 21ABC
09h00 – 17h30	Learning Workshop 3: Water Reforms, Institutions' Performance, Allocation, Pricing, and Resource Accounting	Meeting Room 22ABC

<b>SATURDAY 16 AUGUST 2003</b>
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#### Learning Workshop 1: Analytical and Empirical Tools for Poverty Research

**Venue:**

**Meeting Room 12AB**

**Organizers:** Chris Barrett (Cornell University) and Csaba Csaki (World Bank)

08h00 – 09h00 *Workshop/Conference Registration*

09h00 – 09h05 *Introductory Remarks (Chris Barrett and Csaba Csaki)*

# Conference Program

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Johan van Rooyen	South African Wine and Brandy Company
Tamás Fenyes	Vista University
Moraka Makhura	Development Bank of Southern Africa
Gerhard Backeberg	Water Research Commission

- 09h05 – 10h05 **Michael Carter (University of Wisconsin-Madison)**  
Poverty dynamics: An overview of theory and empirical methods using panel data.
- 10h05 – 11h05 **Chris Barrett (Cornell University)**  
Integrating quantitative and qualitative poverty analysis tools.
- 11h05 – 11h30 *Refreshment break*
- 11h30 – 12h30 **Steve Younger (Cornell University)**  
Welfare comparisons across different measures: concepts and methods.
- 12h30 – 13h45 *Lunch (Meeting Room 12CDE)*
- 13h45 – 14h45 **Berk Ozler (World Bank)**  
Poverty mapping: integrating survey and census data to generate more spatially comprehensive poverty assessments.
- 14h45 – 15h45 **Stefan Dercon (University of Oxford)**  
Dynamic vulnerability analysis using panel data.
- 15h45 – 16h45 *Refreshment break*
- 16h45 – 17h45 **Jack Anderson (World Bank), Gershon Feder (World Bank), Peter Hazell (IFPRI), Kei Otsuka (FASID, Japan), Tom Reardon (Michigan State University)**  
Panel discussion on current thinking on poverty reduction policy and rural development.
- 17h45 – 18h00 Closing Remarks (Csaba Csaki and Chris Barrett)

### Learning Workshop 2: Food Security Measurement in a Developing World Context with a Focus on Africa

Meeting Room 21 ABC

#### Venue:

Organizers: Susan Offutt (Economic Research Service, USDA)

08h00 – 09h00 *Workshop/Conference Registration*

09h00 – 09h15 Introductory Remarks (Susan Offutt)

09h15 – 10h15 **Why Do We Measure Food Insecurity?**

Moderator—Jim Blaylock (Economic Research Service, USDA)

**William Meyers (Iowa State University)**

Understanding Food Security

**Johann Kirsten (University of Pretoria) and Nick Vink (University of Stellenbosch)**

Food Security and Prices in South Africa

10h15 – 10h30 *Refreshment break*

10h30 – 12h00 **Measuring Food Insecurity**

Moderator—Nicole Ballenger (Economic Research Service, USDA)

**Jorge Mernies (Food and Agriculture Organization)**

FAO Food Balance Sheets.

**Mark Nord (Economic Research Service, USDA)**

The UNIVERSITYS. Household Food Security Survey Module.

**Lisa Smith (International Food Policy Research Institute)**

Measuring Food Insecurity in Rural and Urban Areas.

**Walter Odhiambo (University of Nairobi)**

• Discussant(s)

- 12h00 – 13h00 *Lunch (Meeting Room 21DEFG)*
- 13h00 – 14h45 **Food Insecurity in Africa.**  
 Moderator—John Dunmore (Economic Research Service, USDA)  
**Simon Maxwell (Overseas Development Institute)**  
 An Overview  
**Shahla Shapouri (Economic Research Service, USDA)**  
 A Cross-Country Comparison with Food Balance Sheets.  
**David Sahn (Cornell University)**  
 A Multi-Dimensional Look At Well-Being.  
**Siméon Nanama (Cornell University)**  
 Understanding and Measuring Household Food Insecurity in  
 Northern Burkina Faso.  
**Mark Nord (Economic Research Service, USDA)**  
 Discussant(s)
- 14h45 – 15h00 *Refreshment break*
- 16h00 – 17h30 **A Discussion of Ways to Improve Data Collection.**  
 Moderator—Mary Bohman (Economic Research Service, USDA)  
**Vincent Ngendakuma (Food and Agriculture Organization)**  
 Challenges faced in capacity building.  
**Eloi Ouedraogo, Expert en Statistique Agricole (AFRISTAT)**  
 The data collection experience at the regional level.  
**John Mngodo (Strategic Grain Reserve, Tanzania Ministry of  
 Agriculture and Food Security)**  
 The data collection experiences at the country level.  
**Larry Sivers (National Agricultural Statistics Service, USDA)**  
 Outside technical assistance in data collection.  
**Bentry Chaura, Senior Statistician SADC, Zimbabwe)**  
 Discussant(s)
- 16h30 – 17h00 **Concluding Remarks—Joaquim Von Braun (International Food  
 Policy Research Institute)**

**Learning Workshop 3: Water Reforms, Institutions' Performance, Allocation, Pricing,  
 and Resource Accounting**

- Venue:** Meeting Room 22ABC
- Organizers:** David Zilberman, Ujjayant Chakravorty, R. Maria Saleth,  
 Ariel Dinar, and Rashid Hassan
- 08h00 – 09h00 *Workshop/Conference Registration*
- 09h00 – 09h45 **Water Reforms**  
**David Zilberman (University of California Berkeley),**  
**Alberto Garrido (Universidad Politécnica de Madrid, Spain)**  
 The Economics of Water Reform.
- 09h45 – 10h30 **Water Institutions**  
**R. Maria Saleth (IWMI) and Ariel Dinar (World Bank)**  
 Water Institutions and Sector Performance.  
**Ariel Dinar (World Bank) and R. Maria Saleth (IWMI)**  
 Water Institutions Health Index.

- 10h30 – 10h45 *Refreshment break*
- 10h45 – 12h15 **Water Allocation and Pricing**  
**Ujjayant Chakravorty (Emory University), Yacov Tsur**  
**(Hebrew University of Jerusalem) and Renan Goetz**  
**(University of Girona)**  
 Spatial, Dynamic and Risk Considerations in Water Allocation and Pricing.
- 12h15 – 13h30 *Lunch (Meeting Room 22DEFG)*  
**Marie Livingston (University of Northern Colorado)**  
 Evaluating Institutional Change: Methodological Issues at Micro and Meso Levels. Luncheon Speaker.
- 13h30 – 15h00 **Water Resource Accounting**  
**Alessandra Alfieri (United Nations Statistical Division)**  
 Managing Water Resources: The Natural Resource Accounting Approach.  
**Rashid Hassan (University of Pretoria)**  
 Water Resource Accounts for Namibia, Botswana and South Africa:  
 A comparative assessment of water allocation and use.  
**Glenn-Marie Lange (New York University)**  
 Regional Resource Accounts for Water in Southern Africa: The Case of the Orange River Catchments.
- 15h00 – 16h00 **Water Institutions (B)**  
**Jennifer McKay (University of Southern Australia)**  
 Progress in Institutional Reforms in the Water Sector of Australia.  
**Robert Hearne (North Dakota State U)**  
 Progress in Institutional Reforms in the Water Sector of Mexico.  
**Rachid Doukkali (Institute Agronomique et Veterinaire Hassan II)**  
 Progress in Institutional Reforms in the Water Sector of Morocco.  
**Madar Samad (IWMI)**  
 Progress in Institutional Reforms in the Water Sector of Sri Lanka.
- 16h00 – 16h15 *Refreshment break*
- 16h15 – 17h30 **Resource Accounting and Country Institutional Experience: Regional Plans for Africa**  
 A round table chaired by Doug Merrey and Madar Samad (IWMI)  
**Gerhard Backeberg (Water Research Commission)**  
 Progress in Institutional Reforms in the Water Sector of South Africa.  
**Piet Heyns (Namibia Ministry of Agriculture)**  
 Progress in Institutional Reforms in the Water Sector of Namibia.  
**Rashid Hassan (University of Pretoria)**  
 Institutionalizing Water Resource Accounting Work within the SADC Region.  
**Glenn-Marie Lange (New York University)**  
 Regional Water Management Strategies for Africa.



<b>SUNDAY 17 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h30 – 10h00	Conference registration	ICC Foyer
10h00 – 11h00	Opening Ceremony	Hall 2CDE
11h00 – 11h30	Refreshment Break	Hall 3A
11h30 – 13h00	IAAE President's Address and Elmhirst Lecture	Hall 2CDE
13h00 – 14h00	Lunch	Hall 3BC
14h00 – 15h30	Plenary Session 1: 1. Chris Barrett 2. Simon Maxwell 3. Alain de Janvry	Hall 2CDE
15h30 – 16h00	Refreshment Break	Hall 3A
16h00 – 17h30	Contributed papers session 1: 11. Economic Impacts of AIDS/Premature Mortality 12. Valuation Methods for Agricultural Product 13. The Economics and Politics of Agricultural Policy Reform 14. Assets and Asset Markets in Development 15. Conceptual Tools in Resource and Environmental Management 16. Agricultural Production Issues in Transition Economics 17. Conceptual and Empirical Issues in Quantitative Policy Analysis 18. Economic Adjustment to Trade Liberalization 19. Assessing the Impacts of Adopting Genetically Modified Crops	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF Meeting Room 21ABC
18h00 – 19h00	Busses to depart for the City Hall	
19h00 – 21h00	Welcome Reception	City Hall, Durban

<b>SUNDAY 17 AUGUST 2003</b>
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08h30 – 18h00	Registration and Travel desk opening hours	Hall 2CDE
10h00 – 11h00	<b>Opening Ceremony</b>	Hall 2CDE
11h00 – 11h30	<i>Refreshment break</i>	
11h30 – 13h00	IAAE President's Address and Elmhirst Lecture	Hall 2CDE
13h00 – 14h00	<i>Lunch</i>	Hall 3BC
14h00 – 15h30	<b>Plenary Session 1</b> Chairperson: Akin Adesina Discussant: Deryke Belshaw Speakers: <b>Chris Barrett</b> <i>Rural Poverty Dynamics: Development Policy Implications</i> <b>Simon Maxwell</b> <i>Can we rescue rural development before it's too late?</i> <b>Alain de Janvry</b> <i>Achieving Success in Rural Development: Toward Implementation of an Integral Approach</i>	Hall 2CDE
15h30 – 16h00	<i>Refreshment break</i>	

16h00 – 17h30 **Contributed papers session 1**

- 11 Economic Impacts of AIDS/Premature Mortality** **HALL2CDE**  
**Chairperson: Peter Hazell**  
 Investing in Hope: AIDS, Life Expectancy, and Human Capital Accumulation  
*Rui Huang, Lilyan, E. Fulginiti & E. Wesley Peterson (USA)*  
 Prime-Age Adult Morbidity and Mortality in Rural Rwanda: Which Households are Affected and What are Their Strategies for Adjustment?  
*Cynthia Donovan, Linda Bailey, Edson Mpyisi, & Michael Weber (USA)*  
 Measuring the Impacts of Prime-Age Adult Death on Rural Households in Kenya  
*Takashi Yamano, T.S. Jayne & Melody McNeil (Japan)*
- 12 Valuation Methods for Agricultural Products** **Meeting Room 11AB**  
**Chairperson: Ellen Goddard**  
 An Experimental Approach to Valuing New Differentiated Products  
*Leigh J. Maynard, Jason , G. Hartell, A. Lee Meyer & Jianqiang Hao (USA)*  
 SC-X: Calibrating Stated Choice Surveys with Experimental Auction Markets  
*Frode Alfnes & Kyrre Rickertsen (Norway)*  
 Measuring Quantity-Constrained and Maximum Prices Consumers are Willing to Pay for Quality Improvements: The Case of Organic Beef Meat  
*Alessandro Corsi & Silvia Novelli (Italy)*
- 13 The Economics and Politics of Agricultural Policy Reform** **Meeting Room 11CD**  
**Chairperson: Lars Brink**  
 Policy Dependency and Reform: Economic Gains versus Political Pains  
*David R. Harvey (UK)*  
 Effects of EU Dairy Policy Reform for Dutch Agriculture and Economy; Applying an Agricultural Programming/Mixed Input-Output Model  
*Jack Peerlings & John Helming (The Netherlands)*  
 EU Enlargement: A New Dimension  
*P. Salamon, M. Brockmeier, C.A. Herok & O. van Ledebur (Germany)*
- 14 Assets and Asset Markets in Development** **Meeting Room 12AB**  
**Chairperson: Alain de Janvry**  
 Cattle as Assets: Assessment of Non-Market Benefits from Cattle in Smallholder Kenyan Crop-Livestock Systems  
*Emily A. Ouma, Steven J. Staal & Gideon A. Obare (Kenya)*  
 Land Markets in Uganda: Incidence, Impact, and Evolution Over Time  
*Paul Mpuga & Klaus Deininger (USA)*  
 Land Rental Markets as an Alternative to Government Reallocation? Equity and Efficiency Considerations in the Chinese Land Tenure System  
*Songqing Jin & Klaus Deininger (USA)*

- 15 Conceptual Tools in Resource and Environmental Management** **Meeting Room 12CD**  
**Chairperson: Klaus Frohberg**  
 DEA Based Procurement Design in Natural Resource Management  
*Peter Bogetoft & Kurt Nielsen (Denmark)*  
 Materials Balance Based Modelling of Environmental Efficiency  
*Ludwig Lauwers & Guido Van Huylenbroeck (Belgium)*  
 Optimal Economic Length of Leys: A Dynamic Programming  
 Approach  
*Agnar Hegrenes, Gudbrand Lien & Anders Ringgard Kristensen  
 (Norway)*
- 16 Agricultural Production Issues in Transition Economics** **Meeting Room 22DEF**  
**Chairperson: Csaba Forgacs**  
 Liquidity and Productivity in Russian Agriculture: Farm-data  
 Evidence  
*Irina Bezlepkina & Alfons Oude Lansink (The Netherlands)*  
 Technical Efficiency of Polish Farms: Estimation According to  
 Specialisation and Lessons from Confidence Intervals  
*Laure Latruffe, Kelvin Balcombe, Sofia Davidova & Katarzyna  
 Zawalinska (France)*  
 Courts and Contract Enforcement in Transition Agriculture- Theory  
 and Evidence from Poland  
*Volker Beckmann & Silke Boger (Germany)*
- 17 Conceptual and Empirical Issues in Quantitative Policy Analysis** **Meeting Room 22ABC**  
**Chairperson: Luca Salvatici**  
 Structural Efficiency and Income Effects of Direct Payments: An  
 Agent-Based Analysis of Alternative Payment Schemes for the  
 German Region Hohenlohe  
*Kathrin Happe & Alfons Balmann (Germany)*  
 Testing for Efficiency: A Policy Analysis with Probability  
 Distributions  
*Klaus Salhofer, Erwin Schmid, Gerhard Streicher & Friedrich  
 Schneider (Austria)*  
 The Calibration of Incomplete Demand Systems in Quantitative  
 Policy Analysis  
*Sophie Droque, Jean Christophe Bureau & John C. Beghin, (France)*
- 18 Economic Adjustment to Trade Liberalization** **Meeting Room 21DEF**  
**Chairperson: Harry de Gorter**  
 The Implications of World Trade Liberalization on Trade and Food  
 Security: A Case Study of Sudan  
*Imad E. E. Abdel Karim & Dieter Kirschke (Germany)*  
 The Nature of Distortions to Agricultural Incentives in China and  
 Implications of WTO Accession  
*Scott Rozelle & Jikun Huang (USA)*  
 A Case Against the Simultaneous Use of Market Access  
 Restrictions, Domestic Support, and Export Subsidies  
*Roberto J. Garcia (Norway)*

- 19 Assessing the Impacts of Adopting Genetically Modified Crops** Meeting Room 21ABC  
**Chairperson: Matin Qaim**  
 Can GM-Technologies Help African Smallholders? The Impact of Bt Cotton in the Makhathini Flats of KwaZulu-Natal  
*Lindie Jenkins nee Beyers & Colin Thirtle (South Africa)*  
 Assessing the Potential Impact of Bt Maize in Kenya Using a GIS Based Model  
*Hugo de Groote, Bill Overholt, James Ouma Okuro & Stephen Mugo (Kenya)*  
 Simulating the Effects of Adoption of Genetically Modified Soybeans in the U.S.  
*Denis A. Nadolnyak & Ian M. Sheldon (USA)*
- 19h00 – 21h00 **Welcome Reception**  
 Hosted by His Worship the Ethekwini Municipality Mayor, Councillor Obed Mlaba, at the Durban City Hall.

<b>MONDAY 18 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h30 – 10h30	Plenary Session 2: 1. Ulrich Koester 2. Dan Sumner 3. Peter Hazell 4. Shenggen Fan	Hall 2CDE
10h30 – 11h00	Refreshment Break	Hall 3A
11h00 – 12h30	Poster Session 1:	Hall 3A
12h30 – 13h30	Lunch	Hall 3BC
13h30 – 15h30	Invited Panel Session 1: 1. Agricultural success stories from SSA 2. Agricultural Development Retrospective 3. Socially responsible Agri-business 4. The Right for Food 5. Efficiency versus Equity in Land Reform 6. Water Policy and Agricultural Production at Global and River Basin Levels 7. Agricultural R&D in the Developing World 8. The Rise of Supermarkets in Developing Countries: Effects on Agri-food systems and the rural poor	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF
15h30 – 16h00	Refreshment Break	Hall 3A
16h00 – 17h20	Discussion Groups 1	Meeting Room 11E Meeting Room 12E Meeting Room 22G Meeting Room 21G

	Mini-symposia 1	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF Meeting Room 21ABC
17h30 – 19h00	Contributed papers session 2: 21. Agriculture Production and Productivity in Sub-Saharan Africa 22. Risk Management in Agricultural Production and Marketing 23. Price and Marketing Issues in Developed Nations 24. Valuation of Attributes: Hedonic and Conjoint Analysis 25. Efficiency Analysis in Agricultural Production 26. Labor Adjustment and Employment in Transition 27. Mitigation of Environmental Damage: GHG Emissions/Nitrates 28. Adoption of Land-Enhancing Technologies 29. Production and Trade under Alternative policy Regimes	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF Meeting Room 21ABC
19h00	Council Meeting 1	IAAE Office

<b>MONDAY 18 AUGUST 2003</b>
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08h30 – 18h00	Registration and Travel desk opening hours	
08h30 – 10h30	<b>Plenary Session 2</b> Chairperson: Lieb Nieuwoudt Discussant: Keijiro Otsuka Speakers: <b>Ulrich Koester</b> <i>A Revival of Large Farms in Eastern Europe? How important are institutions?</i> <b>Dan Sumner</b> <i>Size relationships and policy in UNIVERSITYS. agriculture, with emphasis on the dairy industry</i> <b>Peter Hazell</b> <i>Ensuring a Future for Small Farms in the Developing World</i> <b>Shenggen Fan</b> <i>Farm size and efficiency: Asian experience</i>	<b>Hall 2CDE</b>
10h30 – 11h00	Refreshment break	
11h00 – 12h30	<b>Poster Session 1</b> <b>Poverty Reduction and Economic Development</b> Group: 1-1-1 Chairperson: Madhusudan Bhattarai <b>Environmental Stewardship including Natural Resource Management</b> Group: 2-1-1 Chairperson: Eric Jessup Group: 2-1-2 Chairperson: Tom P. Tomich	<b>Hall 3A</b>

**Efficiency in Food and Farming Systems**

Group: 3-1-1 Chairperson: Eberhard Schulze

Group: 3-1-2 Chairperson: Matin Qaim

Group: 3-1-3 Chairperson: Valentina Hartarska

Group: 3-1-4 Chairperson: M. F. Viljoen

Group: 3-1-5 Chairperson: Timothy J. Dalton

**Consumer Safety and Food Security**

Group: 4-1-1 Chairperson: Wojciech J Florkowski

Group: 4-1-2 Chairperson: D. K. Grover

**Policy Analysis**

Group: 5-1-1 Chairperson: Claudio Soregaroli

Group: 5-1-2 Chairperson: Alessandro Olper

**Market and Trade Analysis**

Group: 6-1-1 Chairperson: Christian Fischer

Group: 6-1-2 Chairperson: Sven Anders

12h30 – 13h30

*Lunch*

13h30 – 15h30

**Invited Panel Session 1****Agricultural success stories from SSA**

Chairperson: Mandivamba Rukuni (Kellogg Foundation)

Speakers: Felix Nweke

*The cassava green revolution in Nigeria*

Margaret Ngigi

*Smallholder dairying in Kenya*

Josue Dione

*Smallholder cotton in Mali*

Stan Heri

*Horticulture success for smallholders in Zimbabwe*

Joseph Rusike

*The maize green revolution in east and southern Africa***Hall 2CDE****Agricultural Development Retrospective**

Chairperson: Bob Evenson (University of Yale)

Discussant: Stefan Dercon

Speakers: Douglas Gollin (Williams College, USA)

*The Agricultural Producer and Agricultural Productivity*

Duncan Thomas (UCLA; RAND Corporation)

*The Agricultural Household and the Agricultural Community*

Terry Roe (University of Minnesota)

*The Political Economy of Support for Public Goods and Public Policy***Meeting Room 11AB****Socially responsible Agri-business**

Organizers: Mike Cook (IAMA) and Johan van Rooyen (South African Wine and Brandy Company)

Chairperson: Jan van Roekel (CEO, Cokon)

Speakers: Mumeka Mwanamwamba-Wright (Zambia)

Michael L. Cook (University of Missouri)

Johan van Rooyen (President and CEO South African Wine and Brandy Company)

**Meeting Room 11CD**

**The Right for Food**

Meeting Room 12AB

Chairperson: Lawrence Haddad (IFPRI)

Speakers: Jean Ziegler (UN Special Rapporteur for the Right to Food, Charlotte McClain (South African Commission for Human Rights, South Africa)  
*The Right to Food—Implications for Africa and NEPAD*  
 Daniel W. Bromley (University of Wisconsin-Madison)  
*An Economist's Perspective on the Right to Food*

**Efficiency versus Equity in Land Reform**

Meeting Room 12CD

Chairperson: Clem Tisdell

Discussant: Mike Lyne

Speaker: Danie Cilliers (ABSA—Agricultural Bank of South Africa)  
 Sophia Davidova (Imperial College at Wye)  
 Innocent Maatshe (University of Zimbabwe)  
 John Sender (Leiden University)  
*Unconvincing Arguments for Land Reform*

**Water Policy and Agricultural Production at Global and River Basin Levels**

Meeting Room 22DEF

Organizer: Mark Rosegrant (CGIAR)

Chairperson: Consuelo Varela-Ortega

Speakers: Mark Rosegrant (IFPRI), Ximing Cai (IFPRI) and Sarah Cline (IFPRI)  
*Alternative Policies for Global Irrigation and Water: Impacts on Food Supply, Demand and Trade*  
 Claudia Ringler (IFPRI) and collaborators  
*Water Allocation Policies for the Dong Nai River Basin, Vietnam: An Integrated Perspective*  
 Charles Rodgers (IFPRI) and collaborators  
*Water Allocation and pricing strategies in the Brantas Basin, East Java, Indonesia*  
 Maria Iskandarani, Stefanie Engel and Maria del Pilar Useche (University of Bonn)  
*Household Water Security in the Ghanaian Volta Basin: Why do people not rely on better domestic water supplies?*

**Agricultural R&D in the Developing World**

Meeting Room 22ABC

Chairperson: Philip Pardey (University of Minnesota)

Speakers: Nienke Beintema (IFPR and ISNAR)  
*A New Look at African Agricultural Research*  
 Frikkie Liebenberg (ARC Pretoria)  
*Agricultural R&D in South Africa*  
 Ruben Echeverria (IADB Washington D.C.)  
*Reshaping Agricultural R&D in Latin America*  
 Suresh Pal (NCAP Delhi)  
*Agricultural Research System Reforms and Management of Intellectual Property in India.*  
 Bruce Gardner (University of Maryland)  
*International Roles for Agricultural Research*

**The Rise of Supermarkets in Developing Countries: Effects on agri-food systems and the rural poor**

**Meeting Room 21 DEF**

Organizer: Tom Reardon

Chairperson: Herman van Schalkwyk

Speakers: Thomas Reardon (Michigan State University)

*Overview*

Liesbeth Dries and Jo Swinnen (University of Leuven)

*The Rise of Supermarkets in Central and Eastern Europe.*

Thomas Reardon, and Julio Berdegue (RIMISP, Chile)  
*Supermarkets in Latin America and Asia; effects on produce markets and farmers.*

Dave Weatherspoon and Thomas Reardon (Michigan State University)

*Supermarkets in South Africa and implications for the rural poor.*

Jean-Marie Codron and Zouhair Bouhsina (INRA France) and Fatiha Fort (ENSA Montpellier)

*Supermarkets in Morocco and Turkey: fresh produce procurement systems.*

15h30 – 16h00

*Refreshment break*

16h00 – 17h20

**Discussion Groups 1**

**Livestock Research Need for Developing Countries**

Chris Delgado (IFPRI) and Guillaume Duteurte (CIRAD)

**Meeting Room 11E**

**Capacity Building for Policy Analysis in Developing Countries**

Rachid Doukkali (IAV-Hassan II, Morocco) and Tancrede Voitouriez (CIRAD)

**Meeting Room 12E**

**Policies to Promote Integrated Pest Management in Africa**

Hermann Waibel (Univ. of Hanover)

**Meeting Room 22G**

**Agent Based Modeling in Agricultural and Resource Economics**

Alfons Balmann (Institute of Agricultural Development in Central and Eastern Europe)

**Meeting Room 21G**

**Mini-symposia 1**

**Poverty Impacts and Policy Options of Non-Farm Rural Employment**

Gertrud Buchenrieder (Univ. of Hohenheim)

**Hall 2CDE**

**The Environmental Role of Agriculture in Developing Countries: Economic Valuation of Selected Environmental Externalities of Alternative Farming Patterns**

Frédéric Dévé (Roles of Agriculture project, FAO)

**Meeting Room 11AB**

**Problems of Outreach in Rural Finance Risk-reducing Mechanisms for Rural Finance Understanding and Improving the Impact of Financial Services**

Richard Meyer (Ohio State University)

**Meeting Room 11CD**

**Progress with Biotechnology and GM Crops in Developing Countries**

Colin Thirtle (Imperial College London)

**Meeting Room 12AB**



- Soil Fertility and Food Security for the Poor in Southern Africa: Technical, Policy, and Institutional Challenges** Meeting Room 12CD  
 Mulugetta Mekuria (CIMMYT, Southern Africa)
- Market Research for the Development of Commercialized Agriculture in Sub-Saharan Africa** Meeting Room 22DEF  
 Jim Gockowski, Victor Manyong, Patrick Kormawa, Steffen Abele, and Shaun Ferris (IITA)
- Evaluation and Rural Development Programs** Meeting Room 22ABC  
 Benjamin Davis (ESA) and Sudhanshu Handa (Inter-American Development Bank)
- Economic Evaluation of New Institutional Mechanisms for Funding and Delivery of Agricultural Extension in Developing Countries** Meeting Room 21DEF  
 Derek Byerlee and David Nelson (World Bank)
- Is OECD Agricultural Support Stunting Agricultural Development and Poverty Alleviation in Developing Countries?** Meeting Room 21ABC  
 William Meyers (Iowa State University)
- 17h30 – 19h00 **Contributed papers sessions 2**
- 21 Agriculture Production and Productivity in Sub-Saharan Africa** HALL2CDE  
**Chairperson: Johann Kirsten**  
 Explaining The Failure of Agricultural Production in Sub-Saharan Africa  
*Guy Blaise Nkamleu & Jim Gockowski (Cote d'Ivoire)*  
 Institutions and Agricultural Productivity in Sub-Sahara Africa  
*Bingxin Yu, Lilyan E. Fulginiti & Richard K. Perrin (USA)*  
 Cotton Sector Policies and Performance in Sub-Saharan Africa:  
 Lessons Behind the Numbers in Mozambique and Zambia  
*Duncan Boughton, David L. Tschirley, Afonso Osorio Ofico, Higinio M. Marrule & Ballard Zulu (USA)*
- 22 Risk Management in Agricultural Production and Marketing** Meeting Room 11AB  
**Chairperson: Alexander Sarris**  
 Is China's Agricultural Futures Market Efficient?  
*H. Holly Wang & Bingfan Ke (USA)*  
 The Effects of Spot Water Markets on the Economic Risk Derived from Variable Water Supply  
*Javier Calatrava & Alberto Garrido (Spain)*  
 Weather Derivatives: Efficient Risk Management Tools  
*Timothy J. Richards & Kurt K. Klein (USA)*
- 23 Price and Marketing Issues in Developed Nations** Meeting Room 11CD  
**Chairperson: Alessandro Corsi**  
 The Impact of Food Scares on Price Transmission in Inter-Related Markets  
*Tim Lloyd, Steve McCorriston, Wyn Morgan & Tony Rayner (UK)*  
 Retail Sales: Do They Mean Reduced Expenditures? German Grocery Evidences  
*Jens-Peter, Loy & Robert D. Weaver (Germany)*

Price Variability or Rigidity in the Food Retailing Sector?  
Theoretical Analysis and Evidence from German Scanner Data  
*Roland Herrmann & Anke Moser (Germany)*

- 24 Valuation of Attributes: Hedonic and Conjoint Analysis** **Meeting Room 12AB**  
**Chairperson: Euan Fleming**  
A Hedonic Model of Rice Traits: Economic Values from Farmers in West Africa  
*Timothy J. Dalton (USA)*  
New World Wine in the New World: A Hedonic Analysis of Reputation and Quality Signaling  
*Gunter Schamel (Germany)*  
Consumer Willingness to Pay for Multiple Attributes of Organic Rice: A Case Study in the Philippines  
*Shihomi Ara (USA)*
- 25 Efficiency Analysis in Agricultural Production** **Meeting Room 12CD**  
**Chairperson: Tim Coelli**  
Profit Efficiency Among Bangladeshi Rice Farmers  
*Sanzidur Rahman (United Kingdom)*  
Farm Size and the Determinants of Productive Efficiency in the Brazilian Center-West  
*Steven M. Helfand (USA)*  
Measuring the Impact of Ethiopia's New Extension Program on the Productive Efficiency of Farmers  
*Arega D. Alene & Rashid M. Hassan (South Africa)*
- 26 Labor Adjustment and Employment in Transition Economies** **Meeting Room 22DEF**  
**Chairperson: Klaus Deininger**  
Agricultural Adjustment and the Diversification of Farm Households in Central Europe  
*Hannah Chaplin, Sophia Davidova & Matthew Gorton (UK)*  
Intertemporal Analysis of Employment Decisions on Agricultural Holdings in Slovenia  
*Luka Juvancic & Emil Erjavec (Slovenia)*  
Human Capital and Labor Flows Out of the Agricultural Sector: Evidence from Slovenia  
*Liesbeth Dries, Stefan Bojnec & Johan F. M. Swinnen (Belgium)*
- 27 Mitigation of Environmental Damage: GHG Emissions/Nitrates** **Meeting Room 22ABC**  
**Chairperson: Ross Vani**  
Mitigation of Greenhouse Gas Emissions: The Impacts on a Developed Country Highly Dependent on Agriculture  
*Anita Wreford & Caroline Saunders (New Zealand)*  
Non-CO2 Greenhouse Gas Emissions from Agriculture: Analysing the Room for Manoeuvre for Mitigation, in Case of Carbon Pricing  
*Daniel Deybe & Abigail Fallot (France)*  
Marginal Abatement Costs for Reducing Leaching of Nitrates in Croatian Farming Systems  
*John Sumelius, Zoran Grgic, Milan Mesic & Ramona Franic (Finland)*

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|-----------|---|---------------------------|
| <b>28</b> | <b>Adoption of Land-Enhancing Technologies</b><br><b>Chairperson: John Pender</b><br>Productivity and Land Enhancing Technologies in Northern<br>Ethiopia: Health, Public Investments, and Sequential Adoption<br><i>Lire Ersado, Gregory S. Amacher &amp; Jeffrey Alwang (USA)</i><br>The Determinants of Adoption of Sustainable Agriculture<br>Technologies: Evidence from the Hillsides of Honduras<br><i>David R. Lee &amp; Peter Arellanes (USA)</i><br>The Blending of Participatory Research and Quantitative Methods:<br>Wealth Status, Gender and the Adoption of Improved Fallows in<br>Zambia<br><i>Steven Franzel, Donald Phiri, Paramu Mafongoya, Isaac Jere,<br/>         Roza Katanga &amp; Stanslous Phiri (Kenya)</i> | <b>Meeting Room 21DEF</b> |
| <b>29</b> | <b>Production and Trade Under Alternative Policy Regimes</b><br><b>Chairperson: David R. Harvey</b><br>World Cereals Markets Under Alternative Common Agricultural<br>Policy Reforms<br><i>C. Benjamin, C. Gueguen, M. Houee &amp; A. Hess-Miglioretti (France)</i><br>Reforming the CAP: A Partial Equilibrium Analysis of the MTR<br>Proposals<br><i>Julian Binfield, Patrick Westhoff &amp; Robert Young (USA)</i><br>Trade Effects of Dairy Pricing Arrangements<br><i>Pavel Vavra, Jesus Anton-Lopez, Nobunori Kuga &amp; Joe Dewbre<br/>         (France)</i>   | <b>Meeting Room 21ABC</b> |
| 19h00     | <b>Council Meeting 1</b>  | <b>IAAE Office</b>        |

<b>TUESDAY 19 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h30 – 10h30	Plenary Session 3: 1. Jean Kinsey 2. Betsey Kuhn 3. Johan Swinnen 4. Vittorio Santaniello	Hall 2CDE
10h30 – 11h00	Refreshment Break	Hall 3A
11h00 – 12h30	Poster Session 2	Hall 3A
11h30 – 12h50	Computer Session (Consecutive part 1): Multi Agent Systems Tools for Spatial Analysis in Agricultural Economics	Meeting Room 11AB Meeting Room 11CD
12h30 – 13h30	Lunch	Hall 3BC
13h30 – 15h30	Contributed papers session 3: 31. Health and Schooling Issues in Development 32. Food Quality and Safety 33. Productivity, Technological change and Growth 34. Agricultural Trade Policy Reform 35. Production, Employment and Efficiency in LDCs 36. Economic Issues in Transition and Developing Economics 37. The Economics of Land and Environmental Degradation 38. Water, Irrigation and Agriculture	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF

15h30 – 16h00	Refreshment Break	Hall 3A
16h00 – 17h20	Organized Session by the European Association of Agricultural Economists	Hall 2CDE
	Computer Sessions (Consecutive part 2)	
	Multi Agent Models	Meeting Room 11AB
	Tools for Spatial Analysis in Agricultural Economics	Meeting Room 11CD
	Tools for Agricultural Trade Modeling	Meeting Room 12AB
	Selected issues	Meeting Room 12CD
17h30 – 19h00	Discussion Groups 2	Meeting Room 11E
		Meeting Room 12E
		Meeting Room 22G
		Meeting Room 21G
	Mini-symposia 2	Hall 2CDE
		Meeting Room 11AB
		Meeting Room 11CD
		Meeting Room 12AB
		Meeting Room 12CD
		Meeting Room 22DEF
		Meeting Room 22ABC
		Meeting Room 21DEF
		Meeting Room 21ABC

<b>TUESDAY 19 AUGUST 2003</b>
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08h30 – 18h00	Registration and Travel desk opening hours	
08h30 – 10h30	<b>Plenary Session 3</b>	<b>Hall 2CDE</b>
	Chairperson: Isaac Minde	
	Discussant: Lawrence Haddad	
	Speakers: <b>Jean Kinsey</b>	
	<i>Will Food Safety Jeopardize Food Security?</i>	
	<b>Betsy Kuhn</b>	
	<i>Measuring Food Security: A New Approach</i>	
	<b>Johan Swinnen</b>	
	<i>Food Safety, the Media, and the Information Market</i>	
	<b>Vittorio Santaniello</b>	
	<i>Biotechnology: Implications for Food Security</i>	
10h30 – 11h00	Refreshment break	
11h00 – 12h30	<b>Poster Session 2</b>	<b>Hall 3A</b>
	<b>Poverty Reduction and Economic Development</b>	
	Group: 1-2-1 Chairperson: Channing Arndt	
	<b>Environmental Stewardship including Natural Resource Management</b>	
	Group: 2-2-1 Chairperson: Konrad Hagedorn	
	Group: 2-2-2 Chairperson: Ben N. Okumu	
	<b>Efficiency in Food and Farming Systems</b>	
	Group: 3-2-1 Chairperson: Raushan Bokusheva	
	Group: 3-2-2 Chairperson: Takeshi Sakurai	
	Group: 3-2-3 Chairperson: Melinda Smale	
	Group: 3-2-4 Chairperson: Els Wynen	
	Group: 3-2-5 Chairperson: Winfried Manig	

**Consumer Safety and Food Security**

Group: 4-2-1 Chairperson: Maria Raquel Ventura-Lucas

Group: 4-2-2 Chairperson: Kevin Z. Chen

**Policy Analysis**

Group: 5-2-1 Chairperson: Glenn C. W. Ames

**Market and Trade Analysis**

Group: 6-2-1 Chairperson: Søren Kjeldsen-Kragh

Group: 6-2-2 Chairperson: S. Jayne

Group: 6-2-3 Chairperson: Guenter Peter

11h30 – 12h50

**Computer Sessions****Session No. 1 (consecutive, part 1): Multi Agent Systems**

Meeting Room 11AB

**Thomas Berger (Centre for Development Research, Germany)**An overview of Multi-Agent Systems Applications in  
Agro-Ecological Development Research**Christophe Le Page, Patrick d'Aquino, François Bousquet  
(CIRAD-Montpellier, France)**Aiding Policy and Land-Use Management by Linking Role Playing  
Games, GIS and MAS**Thomas Berger, Pepijn Schreinemachers (Centre for  
Development Research, Germany)**Agent-based bio-economic simulations—empirical applications to  
developing countries**Session No. 2 (consecutive, part 1): Tools for Spatial Analyses in  
Agricultural Economics**

Meeting Room 11CD

**Michael Epprecht (IFPRI, Vietnam office) and Daniel Müller  
(Institute of Rural Development, University of Göttingen,  
Germany)**GIS and Spatial Analytical Techniques for Agricultural Economists  
I: Linking poverty and the landscape: Using GIS to explore the  
relationship between poverty and the local environment  
(Combination of Spatially Explicit GIS with Population Census  
Data)

12h30 – 13h30

*Lunch*

13h30 – 15h30

**Contributed papers session 3****31 Health and Schooling Issues in Development**

HALLCDE

**Chairperson: Lawrence Haddad**

Child Growth, Shocks, and Food Aid in Rural Ethiopia

*Luc Christiaensen, Takashi Yamano & Harold Alderman (USA)*Natural Resource Collection Work and Children's Schooling in  
Malawi*Flora J. Nankhuni & Jill L. Findeis (USA)*

The Role of Schooling in the Alleviation of Rural Poverty in Ethiopia

*Tassew Woldehanna (Ethiopia)*The Impact of Micronutrients on Labor Productivity: Evidence from  
Rural India*Katinka Weinberger (Taiwan)*

- 32 Food Quality and Safety** **Meeting Room 11AB**  
**Chairperson: Mary Bohman**  
 Public Regulation as a Substitute for Trust in Quality Food  
 Markets. What if the Trust Substitute Cannot Be Fully Trusted?  
*Giovanni Anania & Rosanna Nistico (Italy)*  
 Consumers' Resistance to GM-Foods: The Role of Information in an  
 Uncertain Environment  
*Wallace E. Huffman, Matt Rousu, Jason F. Shogren & Abebayehu  
 Tegene (USA)*  
 Socioeconomic Determinants of Consumer Food Safety Awareness  
 and Perceptions in the United States: Pesticide and Antibiotic  
 Residues in Food  
*Steven T. Yen, K. L. Jensen, & C.-T. J. Lin (USA)*  
 Nutrient Effects on Consumer Demand: A Panel Data Approach  
*Ana Maria Angulo, B. Dhehibi & J.M. Gil (Spain)*
- 33 Productivity, Technological Change, and Growth** **Meeting Room 11CD**  
**Chairperson: Colin Thirtle**  
 An Application of the Stochastic Latent Variable Approach to the  
 Correction of Sector Level TFP Calculations in the Face of Biased  
 Technological Change  
*Alastair Bailey, Xavier Irz & Kelvin Balcombe (UK)*  
 Fundamental and Induced Biases in Technological Change in Central  
 Canadian Agriculture  
*J. Stephen Clark, K. K. Klein & W. A. Kerr (Canada)*  
 Dual Technological Development in Botswana Agriculture: A  
 Stochastic Input Distance Function Approach  
*Xavier Irz & David Hadley (UK)*  
 Quality Improvement and Sustainable Growth in Japanese  
 Agriculture  
*Shunji Oniki (Japan)*
- 34 Agricultural Trade Policy Reform** **Meeting Room 12AB**  
**Chairperson: Bill Kerr**  
 On Export Rivalry and the Greening of Agriculture—The Role of  
 Eco-labels  
*Nancy H. Chau, Arnab K. Basu & Ulrike Grote (USA)*  
 Agricultural Markets Liberalization and the Doha Round  
*John Beghin, Stephane De Cara, Jacinto Fabiosa, Holger Matthey,  
 Murat Isik & Cheng Fang (France)*  
 May the Pro-poor Impacts of Trade Liberalization Vanish Because of  
 Imperfect Information?  
*J.M. Boussard, F. Gerard, M.G. Piketty, A.K. Christensen  
 & T. Voituriez (France)*  
 Making Sense of Agricultural Trade Policy Reform  
*David Vanzetti & Ralf Peters (Switzerland)*

- 35 Production, Employment and Efficiency in LDCs** **Meeting Room 12CD**  
**Chairperson: Gerald Ortmann**  
 Access to Information and Factor Market Participation: Adjustments of Land and Labor Margins of Agricultural Households in Bangladesh  
*Shyamal K. Chowdhury (Germany)*  
 Labor Market Liberalization, Employment, and Gender in Rural China  
*Linxiu Zhang, Alan de Brauw & Scott Rozelle (USA)*  
 Diversification Economies and Specialisation Efficiencies in a Mixed Food and Coffee Smallholder Farming System in Papua New Guinea  
*Tim Coelli & Euan Fleming (Australia)*  
 Productivity and Efficiency in Chinese Agriculture: A Distance Function Approach  
*Bernhard Bruemmer, Thomas Glauben & Wencong C. Lu*
- 36 Economic Issues in Transition and Developing Economies** **Meeting Room 22DEF**  
**Chairperson: Ken Thomson**  
 Transition and Food Consumption  
*William Liefert, Bryan Lohmar & Eugenia Serova (USA)*  
 The Dynamics of Agri-Food Trade Patterns-The Hungarian Case  
*Imre Ferto & L J Hubbard (Hungary)*  
 Human Capital and the Agrarian Structure in Transition Economies: Micro Evidence from Romania  
*Marian Rizov (Belgium)*  
 Rural Taxation and Government Regulation in China  
*Ran Tao, Justin Yifu Lin, Mingxing Liu & Qi Zhang (PR China)*
- 37 The Economics of Land and Environmental Degradation** **Meeting Room 22ABC**  
**Chairperson: Simeon Ehui**  
 Strategies to Increase Agricultural Productivity and Reduce Land Degradation: Evidence from Uganda  
*John Pender, Ephraim Nkonya, Pamela Jagger & Dick Sserunkuuma (USA)*  
 Modelling Land Degradation in Low-input Agriculture: The "Population Pressure Hypothesis" Revisited  
*Unai Pascual & Edward Barbier (UK)*  
 Spatial Analysis of Soil Fertility Management Using Integrated Household and GIS Data from Smallholder Kenyan Farms  
*S. J. Staal, D. Romney, I. Baltenweck, M. Waitthaka, H. Muriuki & L. Njoroge (Kenya)*  
 Social Welfare and Environmental Degradation in Agriculture: The Case of Ecuador  
*E. Segarra, D. de la Torre Ugarte, J. Malaga & G. W. Williams (USA)*

- 38 Water, Irrigation, and Agriculture** **Meeting Room 21DEF**  
**Chairperson: K.N. Ninan**  
 The Equity Consequences of Public Irrigation Investments: The Case of Surface Irrigation Subsidies in India  
*Mona Sur & Dina Umali-Deininger (USA)*  
 Integrating Agricultural Policies and Water Policies Under Water Supply and Climate Uncertainty  
*Patricia Mejias, Consuelo Varela-Ortega & Guillermo Flichman (Spain)*  
 The Cost of Meeting Equity: Opportunity Cost of Irrigation in the Fish-Sundays Scheme of South Africa  
*Beatrice I. Conradie & D.L. Hoag (South Africa)*  
 Multi-criteria Analysis of Factors Use Level: The Case of Water for Irrigation  
*Jose A. Gomez-Limon, Laura Riesgo & Manuel Arriaza (Spain)*
- 15h30 – 16h00 *Refreshment break*
- 16h00 – 17h20 **Organized Session by the European Association of Agricultural Economists** **Hall 2CDE**  
 Organizer: Giovanni Anania  
**Reform of the agricultural and rural development policies of the European Union and its implications for world agriculture.**  
 Speakers: Sophia Davidova, Chair  
*Introduction*  
 Jo Swinnen  
*The reform process: what happened, why, what's ahead*  
 Jerzy Wilkin  
*The EU enlargement: how will it happen, what it means, what is its implications*  
 Giovanni Anania  
*EU agricultural and rural development policy reform and WTO negotiations*  
 Søren E. Frandsen  
*EU agricultural and trade policies: consequences for developing countries*  
 Discussion openers: Alberto Valdes  
 Wally Tyner
- 16h00 – 17h20 **Computer Sessions**
- Session 1 (consecutive, part 2): Multi Agent Models** **Meeting Room 11AB**  
**Kathrin Happe(University of Hohenheim, Germany), Alfons Balmann, and Konrad Kellermann (Institute of Agricultural Development in Central and Eastern Europe, Halle/Saale, Germany)**  
 AgriPoliS – Agricultural Policy Simulator  
**Konrad Kellermann, Alfons Balmann (Institute of Agricultural Development in Central and Eastern Europe, Halle/Saale, Germany and Kathrin Happe (University of Hohenheim, Germany)**  
 PlayAgriPoliS – a Policy Simulation Game  
**Stefano Farolfi, (University of Pretoria, South Africa) and Martine Antona (Cirad – Montpellier, France)**  
 Using MAS for the analysis of environmental management policies



**Session 2 (consecutive, part 2): Tools for Spatial Analyses in Agricultural Economics**

Meeting Room 11CD

**Darla Munroe (Dpt. of Geography and Earth Sciences, University of North Carolina, USA) and Daniel Müller (Institute of Rural Development, University of Göttingen, Germany)**

GIS and Spatial Analytical Techniques for Agricultural Economists  
II: Linking the Household to the Landscape: Application of High-resolution GIS Data with a Household Survey

**Session 3: Tools for Agricultural Trade Modeling**

Meeting Room 12AB

**Hans Lofgren and Peter Wobst (IFPRI, Washington, DC, USA)**  
IFPRI's standard General Equilibrium Model for Agricultural Policy Analysis

**Ramesh Shrama and Daneswar Poonyth (FAO, Economics and Social Dept., Rome, Italy)**

The Agricultural Trade Policy Simulation Model (ATPSM) of the FAO

**Session 4: Selected issues**

Meeting Room 12CD

**Paul Gibson (USDA, Economic Research Service, USDA, USA) and Edward Gillin (FAO, Rome, Italy)**

Analysing Market Access with the Agricultural Market Access Database

**Gracian Chimwaza, TEFAL, African Office, Zimbabwe**

The Essential Electronic Agricultural Library

**Ecio F. Costa (Universidade de Pernambuco, Brazil), Jack E. Houston, and Gene M. Pesti (University of Georgia, Athens, GA, USA)**

Interactive Broiler Profit Maximizing Model: A Decision Maker's Computer Guide to Profitable Broiler Production and Processing

17h30 – 19h00

**Discussion Groups 2**

**Livestock Research Need for Developing Countries**

Meeting Room 11E

Chris Delgado (IFPRI) and Guillaume Duteurte (CIRAD)

**Capacity Building for Policy Analysis in Developing Countries**

Meeting Room 12E

Rachid Doukkali (IAV-Hassan II, Morocco) and Tancrede Voituriez (CIRAD)

**Policies to Promote Integrated Pest Management in Africa**

Meeting Room 22G

Hermann Waibel (Univ. of Hanover)

**Agent Based Modeling in Agricultural and Resource Economics**

Meeting Room 21G

Alfons Balmann (Institute of Agricultural Development in Central and Eastern Europe)

**Mini-symposia 2**

<b>Poverty Impacts and Policy Options of Non-Farm Rural Employment</b> Gertrud Buchenrieder (Univ. of Hohenheim)	<b>Hall 2CDE</b>
<b>The Potential of Carbon Sequestration through Land Use Change to Contribute to Poverty Alleviation: Comparative Micro-Economic Evidence</b> Leslie Lipper (FAO)	<b>Meeting Room 11AB</b>
<b>Problems of Outreach in Rural Finance Risk-reducing Mechanisms for Rural Finance Understanding and Improving the Impact of Financial Services</b> Richard Meyer (Ohio State University)	<b>Meeting Room 11CD</b>
<b>Crop Biotechnology and Developing Countries: Understanding Constraints to Full Acquisition and Use</b> Aziz Elbehri and Paul Helsey (USDA)	<b>Meeting Room 12AB</b>
<b>Soil Fertility and Food Security for the Poor in Southern Africa: Technical, Policy, and Institutional Challenges</b> Mulugetta Mekuria (CIMMYT, Southern Africa)	<b>Meeting Room 12CD</b>
<b>Market Research for the Development of Commercialized Agriculture in Sub-Saharan Africa</b> Jim Gockowski, Victor Manyong, Patrick Kormawa, Steffen Abele, and Shaun Ferris (IITA)	<b>Meeting Room 22DEF</b>
<b>Evaluation and Rural Development Programs</b> Benjamin Davis (ESA) and Sudhanshu Handa (Inter-American Development Bank)	<b>Meeting Room 22ABC</b>
<b>Economic Evaluation of New Institutional Mechanisms for Funding and Delivery of Agricultural Extension in Developing Countries</b> Derek Byerlee and David Nelson (World Bank)	<b>Meeting Room 21DEF</b>
<b>Is OECD Agricultural Support Stunting Agricultural Development and Poverty Alleviation in Developing Countries?</b> William Meyers (Iowa State University)	<b>Meeting Room 21ABC</b>

<b>WEDNESDAY 20 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h30 – 10h30	African Session	Hall 2CDE
10h30 – 11h00	Refreshment Break	Hall 3A
11h00 – 12h30	African Session Continues	Hall 2CDE
12h30 – 13h30	Lunch	Hall 3BC
13h30 – 18h00	Technical Tours: <i>Please refer to the separate Technical Tours brochure</i>	
19h00 – 22h30	Networking Event	Joe Kool's

<b>WEDNESDAY 20 AUGUST 2003</b>
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08h30 – 16h00	Registration and Travel desk opening hours	
08h30	<b>African Session</b>	
	<b>Chairperson: Ms Bongwiwe Njobe</b>	
08h30 – 09h00	Agricultural Economics and Agricultural Policy for NEPAD <i>Prof Wiseman Nkuhlu, Chairman, NEPAD</i>	<b>Hall 2CDE</b>
09h00 – 10h30	Panel discussion on agricultural economic and agricultural policy issues in Africa Panellists: <i>Mandi Rukuni (Southern Africa)</i> <i>Chris Ackello-Ogutu and Isaac Minde (Eastern Africa)</i> <i>George Abulu (West Africa)</i> <i>Mohammed Moussaiu (North Africa) to be confirmed</i>	<b>Hall 2CDE</b>
10h30 – 11h00	<i>Refreshment break</i>	
11h00	<b>African Session continues</b>	
11h00 – 11h30	Training Agricultural Economists in Africa for Africa. The Collaborative Masters Program in Agricultural and Applied Economics in Eastern and Southern Africa (COMAAE-ESA Initiative). <i>Prof Willis Oluoch-Kosura and Jeffrey Fine</i>	
11h30 – 12h30	Founding meeting of the <u><i>African Agricultural Economics Association</i></u> Chairperson: Dr P. Anandajayasekeram	
12h30 – 13h30	<i>Lunch</i>	
13h30 – 18h00	<b>Technical Tours</b> <b>Please refer to the separate Technical Tours brochure</b>	
19h00 – 22h30	<b>Networking Event</b>	<b>Joe Kool's</b>

<b>THURSDAY 21 AUGUST 2003</b>
<b>THE DAY AT A GLANCE</b>

08h30 – 10h30	Best Contributed and Poster Papers	Hall 2CDE
10h30 – 11h00	Refreshment Break	Hall 3A
11h00 – 12h30	Poster Session 3:	Hall 3A
12h30 – 13h30	Lunch	Hall 3BC
13h30 – 15h30	Invited Panel Session 2: 1. Livestock industrialization: trends, causes, impacts and policy options. 2. Reappraising Food Aid 3. The Millennium Round so far 4. Economics of Food safety in Developing Countries 5. The September 2002 World Summit on Sustainable Development: Agricultural Perspectives	Hall 2CDE  Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD
15h30 – 16h00	Refreshment Break	Hall 3A

16h00 – 17h20	Contributed papers session 4:	
	41. Economic Impacts of Biotechnology	Hall 2CDE
	42. Price and Marketing Issues	Meeting Room 11AB
	43. Multifunctionality: Maintaining Environmental Benefits	Meeting Room 11CD
	44. Economic and Rural Development in Latin America	Meeting Room 12AB
	45. CGE Analysis: African Applications	Meeting Room 12CD
	46. Economic Analysis of Pests and Disease	Meeting Room 22DEF
	47. Rural Credit, Savings and Micro-Insurance	Meeting Room 22ABC
	48. Cereal Production and Policy Issues in Developing Countries	Meeting Room 21DEF
	49. Bioeconomic Models and Game Theory in Resource Management	Meeting Room 21ABC
17h30 – 19h00	Council Meeting 2	IAAE Office
19h00 – 22h30	Conference Dinner	Hall 1A

<b>THURSDAY 21 AUGUST 2003</b>
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08h30 – 18h00	Registration and Travel desk opening hours	
08h30 – 10h30	<b>Best Contributed and Poster Papers</b>	
10h30 – 11h00	<i>Refreshment break</i>	
11h00 – 12h30	<b>Poster Session 3</b>	
	<b>Poverty Reduction and Economic Development</b>	
	Group: 1-3-1 Chairperson: Carlo del Ninno	
	<b>Environmental Stewardship including Natural Resource Management</b>	
	Group: 2-3-1 Chairperson: Ernst-August Nuppenau	
	<b>Efficiency in Food and Farming Systems</b>	
	Group: 3-3-1 Chairperson: Hugo de Groote	
	Group: 3-3-2 Chairperson: Takashi Yamano	
	Group: 3-3-3 Chairperson: Philip Lund	
	Group: 3-3-4 Chairperson: Cheryl R. Doss	
	<b>Consumer Safety and Food Security</b>	
	Group: 4-3-1 Chairperson: Chung L. Huang	
	Group: 4-3-2 Chairperson: M. G. Chandrakanth	
	<b>Policy Analysis</b>	
	Group: 5-3-1 Chairperson: Kei Kajisa	
	Group: 5-3-2 Chairperson: Manfred Zeller	
	<b>Market and Trade Analysis</b>	
	Group: 6-3-1 Chairperson: Michelle Veeman	
	Group: 6-3-2 Chairperson: Brian J. Revell	
	Group: 6-3-3 Chairperson: Colin Poulton	
12h30 – 13h30	<i>Lunch</i>	
13h30 – 15h30	<b>Invited Panel Session 2</b>	
	<b>Livestock industrialization; trends, causes, impacts and policy options</b>	Hall 2CDE
	Organizer: Chris Delgado (IFPRI)	
	Chairperson: Nick Vink	

Speakers: Christopher Delgado (IFPRI), Clare Garrod (FAO) and Simeon Ehui (ILRI)

*Unpacking "economies of scale" in livestock production in developing countries: efficiency, transaction costs and policy distortions*

Achilles Costales (UNIVERSITY of Philippines), M. Lucila Lapar (ILRI), Viroj NaRanong (TDRI, Thailand), Nipon Paopongsakorn (TDRI) and Christopher Delgado

*Economies of scale in hog production in Southeast Asia*

Mohamad Jabbar (ILRI), Fakhrul Islam BSMRAU, Bangladesh, Rajesh Mehta (New Delhi), and Vijay Paul Sharma (IIM, India)

*Economies of scale in poultry, eggs and dairy in South Asia*

Steve Staal (ILRI), John Omiti (IPAR, Nairobi), and Christopher Delgado

*Economies of scale in eggs and dairy in East Africa*

Clare Narrod and Geraldo Sant'Ana de Carmargo Barros (UNIVERSITY of Sao Paolo)

*Economies of scale in hogs and poultry in Brazil*

#### **Reappraising Food Aid**

Organizers: Werner Kiene and Linda Young

Chairperson: Ashok Gulati (CGIAR)

Speakers: Shahla Shapouri (USDA-ERS)

*Past developments, future needs, and the new environment for food aid*

Linda M. Young (Montana S. UNIVERSITY) and Philip C. Abbott (Purdue UNIVERSITY)

*How well has food aid addressed need: an evaluation of the last decade*

Werner Kiene (UNWFP)

*Food aid and the international development agenda: focusing on people*

**Meeting Room 11AB**

#### **The Millenium Round so far**

Chairperson: Harald von Witzke

Speakers: Lynn Kennedy (Louisiana State University)

Alberto Valdes (Chile)

Ulrich Koester (Kiel)

Anastassios Haniotis (EU Commission)

Mercedita Sombilla-Agcaoili (IRRI)

**Meeting Room 11CD**

#### **Economics of Food safety in Developing Countries**

Organizer: Spencer Henson

Chairperson: Giovanni Anania

**Meeting Room 12AB**

- Speakers: Spencer Henson (University of Guelph) and Laurian Unnevehr (University of Illinois)  
*An overview of economic issues associated with food safety in developing countries*
- Ivy Drafor (University of Cape Coast, Ghana)  
*Pesticide use and consumer and worker safety: Experiences from Kenya and Ghana.*
- Richard Abila (ESRF, Tanzania)  
*Food safety standards and trade: The case of fish exports from the Kenyan shore of Lake Victoria.*
- Steve Staal (ILRI, Kenya)  
*An economic assessment of milk safety in Kenya, Ghana and Tanzania.*

**The September 2002 World Summit on Sustainable Development: Agricultural Perspectives**

**Meeting Room 12CD**

- Chairperson: Susan Offutt (ERS/USDA)
- Discussants: Betsey Kuhn (ERS/USDA) and Nick Vink (University of Stellenbosch)
- Speakers: Susan Offutt (ERS/USDA)  
*The World Summit on Sustainable Development: what happened and what's ahead.*
- Terry Roe (University of Minnesota)  
*Agricultural Trade Perspective*
- Susan Capalbo (Montana State University)  
*Resource and Productivity Perspective*
- Jean Kinsey (University of Minnesota)  
*Food Security Perspective*

15h30 – 16h00 *Refreshment break*

16h00 – 17h20 **Contributed papers session 4**

**41 Economic Impacts of Biotechnology**

**HALL2CDE**

- Chairperson: David Schimmelpfennig**
- International Diffusion of Gains from Biotechnology and the European Union's Common Agricultural Policy  
*Hans van Meijl & Frank van Tongeren (The Netherlands)*
- Biotechnology Boosts to Crop Productivity in China: Trade and Welfare Implications  
*Jikun Huang, RuiFa Hu, Hans van Meijl & Frank van Tongeren (China)*
- Socio-economic Impact of Biotechnology Applications: Some Lessons from the Pilot Tissue Culture (tc) Banana Production Promotion Project in Kenya, 1997–2002  
*Stephen G. Mbogoh, Florence M. Wambugu & Sam Wakhusama (Kenya)*

**42 Price and Marketing Issues**

**Meeting Room 11AB**

- Chairperson: Stephan von Cramon-Taubadel**
- Price Linkages in the International Wheat Market  
*Atanu Ghoshray & Tim Lloyd (UK)*

Measuring Market Integration in the Presence of Transaction Costs:

A Threshold Vector Error Correction Approach

*Jochen Meyer (Germany)*

Efficiency of the Italian Agri-food Industry: An Analysis of  
"Districts" Effect

*Christina Brasili & Elisa Ricci Maccarini (Italy)*

**43 Multifunctionality: Maintaining Environmental Benefits**

**Meeting Room 11CD**

**Chairperson: Ernst-August Nuppenau**

Multifunctional Agriculture and the Preservation of Environmental  
Benefits

*Werner Hediger & Bernard Lehmann (Switzerland)*

Estimation of Costs of Maintaining Landscape Elements by the  
Example of Southern Germany

*Jochen Kantelhardt, Elisabeth Osinski & Martin Kapfer (Germany)*

Multifunctionality and Non-Agricultural Supply of Public Goods

*Tristan Le Cotty & Inra Lameta (France)*

**44 Economic and Rural Development in Latin America**

**Meeting Room 12AB**

**Chairperson: Ismail Shariff**

The Importance of Social Capital in Colombian Rural  
Agro-Enterprises

*Nancy L. Johnson, Ruth Suarez & Mark Lundy (Columbia)*

Non-Farm Rural Activities (NFRA) in a Peasant Economy: The Case  
of North Peruvian Sierra

*Jackeline Velazco (United Kingdom)*

Social Exchange Rates, MERCOSUR and Economic Development

*Leo da Rocha Ferreira (Brazil)*

**45 CGE Analysis: African Applications**

**Meeting Room 12CD**

**Chairperson: Terry Roe**

Copper Crisis and Agricultural Renaissance in Zambia: An  
Economy-wide Analysis

*Hans Lofgren, James Thurlow & Sherman Robinson (USA)*

Technical Change, Market Incentives and Rural Incomes: A CGE  
Analysis of Uganda's Agriculture

*Paul Dorosh, Moataz El-Said & Hans Lofgren (USA)*

Transgenic Cotton and Crop Productivity: A General Equilibrium  
Analysis for West and Central Africa

*Aziz Elbehri & Steve MacDonald (USA)*

**46 Economic Analysis of Pests and Disease**

**Meeting Room 22DEF**

**Chairperson: Derek Byerlee**

Economic Policy Analysis of an Invasive Pest: A Case Study of  
Colorado Potato Beetle in Finland

*Jukka Peltola & Jaakko Heikkila (Finland)*

How Labor Organization May Affect Technology Adoption: An  
Analytical Framework Analysing the Case of Integrated Pest  
Management

*Justus Wesseler & Volker Beckmann (The Netherlands)*

Economic Analysis of the Impact of Adopting Herd Health Control Programs on Smallholder Dairy Farms in Central Thailand  
*David C. Hall, Simeon K. Ehui & Barry I. Shapiro (Kenya)*

- 47 Rural Credit, Savings, and Micro-Insurance** **Meeting Room 22ABC**  
**Chairperson: Nick Vink**  
 Interlinked Credit and Farm Intensification: Evidence from Kenya  
*T. S. Jayne, Takashi Yamano & James Nyoro (USA)*  
 The Potential for Financial Savings in Rural Mozambican Households  
*Oliveira Amimo, Donald W. Larson, Mauricio Bittencourt & Douglas H. Graham (USA)*  
 Are the Poor too Poor to Demand Health Insurance?  
*Rajeev Ahuja & Johannes Juetting (India)*
- 48 Cereal Production and Policy Issues in Developing Countries** **Meeting Room 21DEF**  
**Chairperson: Timothy O. Williams**  
 Yield Response in Pakistan Agriculture: A Cointegration Approach  
*Khalid Mushtaq & P.J. Dawson (Pakistan)*  
 Is Increased Instability in Cereal Production in Ethiopia Caused by Policy Changes?  
*Zerihun Gudeta Alemu, Klopper Oosthuizen & H.D. van Schalkwyk (South Africa)*  
 Comparing Economic Determinants of Interspecific Cereal Diversity on Farms in the Ethiopian Highlands  
*S. Benin, B. Gebremedhin, M. Smale, J. Pender & S. Ehui (Ethiopia)*
- 49 Bioeconomic Models and Game Theory in Resource Management** **Meeting Room 21ABC**  
**Chairperson: Kurt Klein**  
 Analyzing Negotiation Approaches in Natural Resource Management- A Case Study of Crop-Livestock Conflicts in Sri Lanka  
*Regina Birner (Germany)*  
 Trade-off Between Economic Efficiency and Contamination by Coffee Processing: A Bioeconomic Model at the Watershed Level in Honduras  
*Bruno Barbier, Robert R. Hearne, Jose Manuel Gonzalez, Andy Nelson & Orlando Mejia Castaneda (France)*  
 Poverty, Resource Scarcity, and Incentives for Soil and Water Conservation: Analysis of Interactions with a Bio-economic Model  
*Bekele Shiferaw & Stein Holden (India)*
- 17h30 – 19h00 **Council Meeting 2**  
 19h00 – 22h30 **Conference Dinner**
- IAAE office  
Hall 1A**



<b>FRIDAY 22 AUGUST 2003</b> <b>THE DAY AT A GLANCE</b>
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08h30 – 10h30	Plenary Session 5: 1. Dan Bromley 2. Ramon Lopez 3. Simeon Ehui and John Pender 4. Agnes Rola and Ian Coxhead	Hall 2CDE
10h30 – 11h00	Refreshment Break	Hall 3A
11h00 – 12h30	Discussion Groups 3	Meeting Room 11E Meeting Room 12E Meeting Room 22G Meeting Room 21G
	Mini-symposia 3	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC Meeting Room 21DEF Meeting Room 21ABC
12h30 – 13h30	Lunch	Hall 3BC
13h30 – 15h30	Contributed papers session 5: 51. Economic Issues Relating to Biodiversity 52. Agricultural Research and Development Issues 53. Trade, Development and Liberalization 54. Modeling Farmers' response under varying policy regimes 55. Demand and Marketing Issues 56. Poverty Issues and Analysis 57. Marketing and Policy Issues in Developing Countries	Hall 2CDE Meeting Room 11AB Meeting Room 11CD Meeting Room 12AB Meeting Room 12CD Meeting Room 22DEF Meeting Room 22ABC
15h30 – 16h00	Refreshment Break	Hall 3A
16h00 – 17h20	Conference Synopsis	Hall 2CDE
17h30 – 19h00	Closing Reception	Hall 1A

<b>FRIDAY 22 AUGUST 2003</b>
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08h30 – 17h00	Registration and Travel desk opening hours	Hall 2CDE
08h30 – 10h30	<b>Plenary Session 5</b> Chairperson: Terry Veeman Speakers: <b>Dan Bromley</b> <i>The poverty of sustainable development: saving economics from platitudes</i> <b>Ramon Lopez</b> <i>Agriculture and/or Environment; Political economy and public policy</i>	

**Simeon Ehui and John Pender**

*Resource degradation and poverty in Africa: Pathways  
out of the spiral*

**Agnes Rola and Ian Coxhead**

*Economic Development and Environmental  
Management in a Watershed Context*

10h30 – 11h00

*Refreshment break*

11h00 – 12h30

**Discussion Groups 3**

**Livestock Research Need for Developing Countries**

Chris Delgado (IFPRI) and Guillaume Duteurte (CIRAD)

**Meeting Room 11E**

**Capacity Building for Policy Analysis in Developing Countries**

Rachid Doukkali (IAV-Hassan II, Morocco) and Tancrède Voituriez  
(CIRAD)

**Meeting Room 12E**

**Policies to Promote Integrated Pest Management in Africa**

Hermann Waibel (Univ. of Hanover)

**Meeting Room 22G**

**Agent Based Modeling in Agricultural and Resource Economics**

Alfons Balmann (Institute of Agricultural Development in Central  
and Eastern Europe)

**Meeting Room 21G**

**Mini-symposia 3**

**The Role of Agricultural Growth in Reducing Poverty**

Frédéric Dévé (Roles of Agriculture project, FAO)

**Hall 2CDE**

**The Potential of Carbon Sequestration through Land Use**

**Change to Contribute to Poverty Alleviation: Comparative  
Micro-Economic Evidence**

Leslie Lipper (FAO)

**Meeting Room 11AB**

**Problems of Outreach in Rural Finance Risk-reducing**

**Mechanisms for Rural Finance Understanding and Improving  
the Impact of Financial Services**

Richard Meyer (Ohio State University)

**Meeting Room 11CD**

**Crop Biotechnology and Developing Countries: Understanding  
Constraints to Full Acquisition and Use**

Aziz Elbehri and Paul Helsey (USDA)

**Meeting Room 12AB**

**Transition in Agriculture in South Africa**

Kristy Cook (AGRILINK II Project)

**Meeting Room 12CD**

**Macroeconomic Impacts of Agricultural Trade and Policy  
Reform in Sub-Saharan Africa**

Scott McDonald (Univ. of Sheffield)

**Meeting Room 22DEF**

**Impact Assessment in the CGIAR: The Tried, the True, and the  
New**

Meredith Soule (USAID)

**Meeting Room 22ABC**

**Impacts of Investment in Less-Favored Areas**

John Pender (IFPRI)

**Meeting Room 21DEF**

**Improving the Economics in Livestock Health Economics**

Tom Randolph (ILRI)

**Meeting Room 21ABC**

12h30 – 13h30

*Lunch*

13h30 – 15h30 **Contributed papers session 5**

- 51 Economic Issues Relating to Biodiversity** **HALL2CDE**  
**Chairperson: Consuelo Varela-Ortega**  
 The Economics of Biodiversity Conservation: A Study in a Coffee Growing Region of India  
*K.N. Ninan & Jyothis Sathyapalan (India)*  
 Assessing Economic Returns from Farmers' Rights  
*C.S. Srinivasan (UK)*  
 Biodiversity versus Transgenic Sugar Beets: The One Euro Question  
*Matty Demont, Justus Wesseler & Eric Tollens (Belgium)*  
 Crop Diversity as the Derived Outcome of Farmers' "Survival First" Motives in Ethiopia: What Role for On-farm Conservation of Sorghum Genetic Resources?  
*Edilegnaw Wale & Detlef Virchow (Germany)*
- 52 Agricultural Research and Development Issues** **Meeting Room 11AB**  
**Chairperson: Robert Evenson**  
 The Impact of Research Led Agricultural Productivity Growth on Poverty Reduction in Africa, Asia, and Latin America  
*Colin Thirtle, David Hadley & Lin Lin (UK)*  
 International R & D Spillovers and Productivity Growth in the Agricultural Sector  
*Luciano Gutierrez & M. M. Gutierrez (Italy)*  
 Optimizing the Allocation of Agricultural R&D Funding: Is Win-Win Targeting Possible?  
*Johannes Roseboom, Paul Diederer & Arie Kuyvenhoven (The Netherlands)*  
 Estimating Returns from Past Investments into Beef Cattle Genetics RD&E in Australia  
*G. R. Griffith, R. J. Farquharson, S. A. Barwick, R. G. Banks, & W. E. Homes (Australia)*
- 53 Trade, Development, and Liberalization** **Meeting Room 11CD**  
**Chairperson: Harald von Witzke**  
 The Effects of Trade Uncertainty on Chrysanthemum Trade Between Taiwan and Japan  
*Rhung-Jieh Woo & Hsin-Yeh Tsai (Taiwan)*  
 Public Investment and China's Grain Production Competitiveness Under WTO  
*Jing Zhu (China)*  
 Impacts of FTAA and MERCOSUR on Agribusiness in the MERCOSUL Countries  
*Erly C. Teixeira & Luiz A. Cypriano (Brazil)*
- 54 Modelling Farmers' Response Under Varying Policy Regimes** **Meeting Room 12AB**  
**Chairperson: Jack Peerlings**  
 Price Incentives, Non-Price Factors, and Agricultural Production in Sub-Saharan Africa: A Cointegration Analysis  
*Rainer Thiele (Germany)*

Do Counter-Cyclical Payments in FSRI Act Create Incentives to Produce?

*Jesus Anton & Chantal Lemouel (France)*

Modeling Farmers' Response to a Decoupled Subsidy via Multi-Attribute Utility Theory and E-V Analysis

*M. Arriaza & J.A. Gomez-Limon (Spain)*

Farm Household Decisions Under Various Tax Policies:

Comparative Static Results and Evidence from Household Data

*Arne Henningsen, Thomas Glauben & Christian H.C.A. Henning, (Germany)*

**55 Demand and Marketing Issues**

**Meeting Room 12CD**

**Chairperson: Kyrre Rickertsen**

Institutional Innovation to Increase Farmers' Revenue: A Case Study of Small Scale Farming in Sheep in Transkei Region, South Africa

*Marijke D'Haese, Wim Verbeke, Guido Van Huylbroeck, Johann Kirsten & Luc D'Haese (Belgium)*

Testing Symmetry and Homogeneity in the AIDS with Cointegrated Data Using Full-modified Estimation and the Bootstrap

*R. Tiffen & K. Balcombe (United Kingdom)*

Projecting World Food Demand Using Alternative Demand System

*Wusheng Yu, Thomas Hertel, Paul Preckel & James Eales (Denmark)*

The "New Economy" and Efficiency in Food Market System: A

Complement or a Battleground Between Economic Classes?

*Chinkook Lee & Gerald Schluter (USA)*

**56 Poverty Issues and Analysis**

**Meeting Room 22DEF**

**Chairperson: Herman van Schalkwyk**

Why Does Poverty Persist in Rural Ethiopia?

*Ayalneh Bogale, Konrad Hagedorn & Benedikt Korf (Ethiopia)*

Development and Poverty Reduction: Do Institutions Matter? A

Study on the Impact of Local Institutions in Rural India

*Vasant P. Gandhi & Robin Marsh (India)*

An Operational Method for Assessing the Poverty Outreach of

Development Projects: Results from Case Studies in Africa, Asia, and Latin America

*Manfred Zeller, Manohar Sharma, Carla Jane Henry & Cecile Lapenu (Germany)*

Theft and Rural Poverty: Results of a Natural Experiment

*Bart Minten & Marcel Fafchamps (Madagascar)*

**57 Marketing and Policy Issues in Developing Countries**

**Meeting Room 22ABC**

**Chairperson: Jean-Marc Boussard**

The Impact of Transport-and Transaction-Cost Reductions on Food Markets in Developing Countries: Evidence for Tempered

Expectations for Burkina Faso

*Arjan Ruijs, C. Schweigman & C. Lutz (The Netherlands)*

The Demand for Commodity Insurance by Developing Country

Agricultural Producers: Theory and an Application to Cocoa in Ghana

*Alexander Sarris (Greece)*

Interlinkage in the Rice Market of Ghana: Money-lending Millers  
Enhance Efficiency

*Jun Furuya & Takeshi Sakurai (Japan)*

How Big is Your Neighborhood? Spatial Implications of Market  
Participation by Smallholder Livestock Producers

*Ma. Lucila A. Lapar, Garth Holloway & Simeon Ehui  
(Philippines)*

15h30 – 16h00 *Refreshment break*

16h00 – 17h20 **Conference Synopsis**

17h30 – 19h00 **Closing Reception**

**Hall 2CDE**

**Hall 1A**

## KEYNOTE SPEAKERS BIOGRAPHIES

### Christopher B. Barrett

Chris Barrett is Professor at the Department of Applied Economics and Management, Cornell University. He holds degrees from Princeton (A.B. 1984), Oxford (M.S. 1985) and the University of Wisconsin-Madison (dual Ph.D., 1994). There are three basic, interrelated thrusts to his research program: (i) poverty, hunger, food security, economic policy and the structural transformation of low-income societies, (ii) individual and market behavior under risk and uncertainty, and (iii) the interrelationship between poverty, food security and environmental stress in developing areas. Professor Barrett has published widely and is an associate editor of *Agricultural Economics*, the *American Journal of Agricultural Economics*, *Environment and Development Economics*, the *Journal of African Economies* and *World Development*. He co-directs Cornell University's African Food Security and Natural Resources Management program and the Rural Livelihoods and Biological Resources workshop.

### Simon Maxwell

Simon Maxwell is Director of the Overseas Development Institute in London. He is an economist who has published widely on agriculture, rural development and food security. His career includes ten years overseas, in Kenya, India and Bolivia, first with UNDP and then with the British aid Program, and then fifteen years or so as a Fellow of the Institute of Development Studies at the University of Sussex. He became Director of ODI in 1997. Current research interests include rethinking rural development, food security transitions, and aspects of the new poverty agenda. Simon Maxwell is currently President of the Development Studies Association of the UK and Ireland.

### Alain de Janvry

Alain de Janvry is an economist working on international economic development, with expertise principally in Latin America, Sub-Saharan Africa, the Middle-East, and the Indian subcontinent. Fields of work include poverty analysis, rural development, quantitative analysis of development policies, impact analysis of social programs, technological innovations in agriculture, and the management of common property resources. He has worked with many international development agencies, including FAO, IFAD, the World Bank, UNDP, ILO, the CGIAR, and the Inter-American Development Bank as well as foundations such as Ford, Rockefeller and Kellogg. His main objective in teaching, researching, and working with development agencies is the promotion of human welfare, including understanding the determinants of poverty and analyzing successful approach to improve well-being and promote sustainability in resource use. He is a member of the French National Academy of Agriculture and a fellow of the American Agricultural Economic Association.

**Ulrich Koester**

Ulrich Koester is Professor at the Institute of Agricultural Economics in Kiel. He received his doctoral degree from the University of Göttingen, and became a post-doctorate fellow at the Economics Department of the University of California, Berkeley. For 10 years Prof. Koester was a visiting research fellow for 3–5 months annually at the International Food Policy Research Institute (IFPRI). Among his many publications are *Regional Cooperation to Improve Food Security in Southern and Eastern African Countries*, IFPRI Report No .53, and *Disharmonies in EC and US Agricultural Policy Measures* (Editor), Report for the European Commission.

**Daniel A. Sumner**

Daniel A. Sumner is the Director of the University of California, Agricultural Issues Center and the Frank H. Buck, Jr. Professor, Department of Agricultural and Resource Economics, University of California, Davis where he has been since 1993. His research centers on the effects of economic and trade policy on agriculture in the United States and Developing countries. Earlier Sumner was on the Economics faculty of North Carolina State University and spent several years on leave in government service as a Senior economist at the President's Council of Economic Advisers and as Assistant Secretary for Economics at the USDA. Sumner's research and writing has won American Agricultural Economic Association awards for Quality of Research, Quality of Communication, and Distinguished Policy Contribution. He was named a fellow of the association in 1999. Sumner was raised on a fruit farm in California. He received his Ph.D. in economics from the University of Chicago in 1978.

**Peter Hazell**

Peter Hazell joined IFPRI in 1992 as Director of the Environment and Production Technology Division. He was previously a principal economist in the World Bank's Agriculture and Rural Development Department. Prior to that he served at IFPRI as Director of the Agricultural Growth Linkages Program. A British citizen, Hazell obtained his Ph.D. in agricultural economics at Cornell University. He has published widely on agricultural sector modeling, risk management, agricultural growth linkages, property rights systems in Africa, the impact of the green revolution, links between agricultural research and poverty reduction, development strategies for less-favored areas, and sustainable farming practices.

**Shenggen Fan**

Shenggen Fan is Senior Research Fellow at IFPRI. He leads a research program on rural public investment, growth and poverty reduction. For the past several years, his major efforts have been devoted to analyze the impact of government expenditures on growth and poverty reduction in India, China, Vietnam, and Thailand. He has also been heavily involved in the IFPRI's China program. Prior to IFPRI, he worked for the International Service for National Agricultural Research, and the University of Arkansas. He received his Ph.D. in applied economics from the University of Minnesota.

**Jean Kinsey**

Jean Kinsey is Professor in the Department of Applied Economics, University of Minnesota, and Co-Director of The Food Industry Center. She obtained her Ph.D. in Agricultural Economics. She has conducted research in and published in leading journals about: consumer credit behavior, changing food consumption patterns, the economics of information and consumers' welfare loss, and the marginal propensity to consume food away from home when wives work part-time and full-time, where people purchase their food, retail food store performance and the retail food industry. She was Chair of the Board of Directors of the Federal Reserve Bank of Minneapolis 1996–1997. She was President of the American Agricultural Economics Association in 2002, and has been President of the American Council on Consumer Interests. She was named distinguished fellow of the American Agricultural Economics Association.

**Betsey Kuhn**

Betsey Kuhn is the Director of the Food and Rural Economy Division (FRED), Economic Research Service, U.S. Department of Agriculture. The Division is responsible for economic policy analysis of a wide range of issues, including diet and health, food safety, food markets, rural development, and food assistance. She received her M.A. and Ph.D. degrees in agricultural and applied economics from Stanford University. She is the author of many articles on futures markets, food safety, conservation easements, food assistance and farm policy and a book, *Global Environmental Change and Agriculture*.

**Johan F. M. Swinnen**

Johan F. M. Swinnen is Professor of Development Economics and Food Policy, Katholieke Universiteit Leuven, Belgium and Director of the Research Group on Food Policy, Transition & Development. He is Senior Research Fellow, Centre for European Policy Studies (CEPS), Brussels; consultant to many East European governments and international institutions (World Bank, EBRD, OECD, FAO, European Commission). From 1998–2000, he was Economic Advisor, European Commission, Directorate-General for Economic and Financial Affairs (advising on EU agricultural policy, trade issues, East European reforms and EU enlargement, Balkan reconstruction). He has research expertise and publications on political economy, agricultural and food policy, economic and institutional transition, EU enlargement, economics of the media. He received his Ph.D. in agricultural economics from Cornell University in 1992.

**Vittorio Santaniello**

Vittorio Santaniello is Professor of Economic Policy at the University of Rome Tor Vergata and Coordinator of the International Consortium on Agricultural Biotechnology Research (ICABR). He teaches agricultural policy, economics of natural resources as well as biotechnology. His research interest includes economics of agricultural biotechnology and intellectual property rights. He has published widely on the topics in journals and books. His recent book entitled *Economic and Social Issues in Agricultural Biotechnology* with R. E. Evenson and David Zilberman in 2002. He was born in Naples, Italy.

**Daniel W. Bromley**

Daniel W. Bromley is Anderson-Bascom Professor of applied economics at the University of Wisconsin-Madison. He has been editor of the journal *Land Economics* since 1974. He has been a consultant to the Global Environment Facility; the World Bank; the Ford Foundation; the U.S. Agency for International Development; the Asian Development Bank; the Organization for Economic Cooperation and Development; and the Ministry for the Environment in New Zealand. Professor Bromley has written and edited eleven books, among which are: (1) *Economic Interests and Institutions: The Conceptual Foundations of Public Policy*; (2) *Environment and Economy: Property Rights and Public Policy*; (3) *Making the Commons Work: Theory, Practice, and Policy*; (4) *The Handbook of Environmental Economics*; and (5) *Sustaining Development: Environmental Resources in Developing Countries*.

**Ramon Lopez**

Ramon Lopez is Professor in the Department of Agricultural and Resource Economics, University of Maryland at College Park and is Senior Fellow with the Center for Development Research (ZEF) at the University of Bonn. Professor Lopez is Associate Editor of *Environment and Development Economics* and has been Associate Editor of the *Journal of Environmental Economics and Management*. He obtained his Ph.D. in Economics from the University of British Columbia. He has been an advisor with various governments and a consultant with several international organizations, including the World Bank, Inter-American Development Bank, FAO and others. His research is focused on agriculture and the environment, international trade, and economic development. He is

the author of a large number of journal articles and of three books: (a) *The Quality of Growth* (with coauthors); (b) *Rural poverty in Latin America* (with A. Valdes); and (c) *Sustainable Development in Latin America: Financing and Policies Working in Synergy* (with J. Jordan).

### **Simeon Ehui**

A national of Côte d'Ivoire, Simeon Ehui has over fifteen years of professional international agricultural experience in Africa, and most recently in Asia. He is presently Coordinator of the Livestock Policy Analysis Program at the International Livestock Research Institute (ILRI). Ehui has authored or co-authored over 70-policy research papers relevant to national researchers and policy makers in Africa and Asia. His writings have covered various topics including: policies for the sustainable management of land and enhancing food security; policies for improving the competitiveness of smallholder livestock producers; and policies for improving domestic and international market access by smallholder livestock producers in the Africa and Asia. Ehui obtained his PhD degree from Purdue University in 1987.

### **Dr. John Pender**

John Pender is a Senior Research Fellow at IFPRI. He leads IFPRI's research program on strategies for sustainable development of less-favored lands. His research focuses on pathways of development and land management in the East African highlands and the Central American hillsides. Prior to joining IFPRI in 1995, Pender was an assistant professor of economics at Brigham Young University. He received his Ph.D. in agricultural and development economics from Stanford University.

### **Agnes Rola**

Agnes Rola (Ph. D. Agricultural Economics, University of Wisconsin-Madison) is Professor at the Institute of Strategic Planning and Policy Studies and an affiliate Professor at the Department of Agricultural Economics, University of the Philippines Los Banos. Her main research interests are in the areas of sustainable agriculture and natural resource management where she has extensive experience both at the field and policy levels. She has recently been involved in a decade long project on policy analysis for environmental management planning in the Philippines. She teaches courses in Policy Analysis and Production Economics. Currently, she sits on several local and international advisory boards for agricultural research.

## **GENERAL INFORMATION**

### **LANGUAGE**

The language of the Conference will be English.

### **HOTEL CHECK IN/OUT PROCEDURE**

Check in time at the official hotels is 14h00 and check out is 11h00 on the day of departure. Early arrivals will be accommodated where possible and those delegates wishing to check out later, should make arrangements with their respective hotels.

**REMEMBER – WHAT YOU SIGN FOR, YOU PAY FOR** before leaving your hotel. This includes all incidental expenses such as room service, telephone calls, private drinks, laundry, etc. All room service, including breakfast in your room will be charge to your own "extras" account. EXTRAS can be paid by travellers' cheques, cash or credit card. All major credit cards are accepted.



**SHUTTLE SERVICE**

Shuttles between the official conference hotels and the ICC have been arranged at no charge to registered delegates. No shuttles will be provided between any hotels not listed below. From Monday 18 August 2003 only delegates wearing conference name badges will be allowed access to coaches. A shuttle schedule has been included in your delegate bag. Please refer to this schedule regarding the times when the shuttles are running between the ICC and the official conference hotels.

**OFFICIAL CONFERENCE HOTELS**

- Hilton Durban
- Holiday Inn Garden Court North Beach
- Holiday Inn Garden Court Marine Parade
- Holiday Inn Durban Elangeni
- City Lodge Durban

**TECHNICAL TOURS: WEDNESDAY 20 AUGUST 2003**

The technical tours are included in your registration fee. The tours have limited availability, therefore it is essential to ensure that you have received a voucher for the tour that you have chosen in your name badge

**FOREIGN EXCHANGE**

There are numerous banks in the vicinity of the International Convention Centre. Please ask at the Registration Desk for more information. There is also a foreign exchange facility available at the International Convention Centre.

**CURRENCY AND TIPPING**

The South African currency unit is the Rand, denoted by the symbol R. R1 = 100 cents. The international symbol is ZAR.

Tipping for service is a standard practice and a guideline is a 10% gratuity, depending on service and satisfaction.

**LOCAL TIME**

South Africa is currently two hours ahead of Greenwich Mean Time (GMT)

**MESSAGES**

The message board will be displayed at the Registration Desk. Please check regularly and once messages are read, please remove them from the board.

**INTERNET CAFÉ**

An Internet Café will be available for delegates use in the Poster display area between 07h00 and 18h00 daily.

## **IDENTIFICATION/ENTRY VOUCHERS**

You are important! PLEASE WEAR YOUR NAME BADGE AT ALL TIMES. Besides being a vital aid to communication, if badges are not worn, you will be refused admittance to conference sessions and meals. Vouchers for the Networking Evening and the Gala Dinner are included in your name badge pouch—a **verbal identification at the Networking Evening is not sufficient**. You are also required to reserve a seat for the Gala Dinner at the registration desk.

## **SECURITY**

Safety deposit boxes are available at your hotel and we strongly suggest that you keep all items of value in these boxes. As is applicable when visiting any large city in the world, we suggest that you do not display jewelry, cameras etc when walking in the streets.

## **MEDICAL**

Most hotels have a list of doctors, whose names may also be found in the "medical" section of the Durban telephone directory. There is a travel clinic available on the lower level of the International Convention Centre.

## **SMOKING/CELLULAR TELEPHONES**

Please note that all public areas in South Africa are now strictly non-smoking. As a matter of courtesy to other delegates, all cellular telephones should be turned off during the conference sessions.

## **VAT**

Foreign Tourists to South Africa can have the sales tax which they have paid (known as Value Added Tax or VAT) refunded at a port of exit, provided the value of the items purchased exceeds R250.00. To qualify for a refund, visitors must be in possession of a valid passport, the necessary forms, VAT invoices and till slips. Currently the VAT rate is 14% and is levied on most products and services. Foreign delegates will NOT be able to reclaim the VAT included in their registration fees and accommodation charges.

Please note that all prices quoted include VAT. Should the rate be amended, the relevant adjustment will be payable by the delegate.

## **ENQUIRIES/INFORMATION**

The conference registration/information and travel desks will be open daily from 07h30 to 17h30. Please feel free to approach our organizers should you require any assistance.

## **SOCIAL EVENTS**

### **Registration**

Registration for the conference and workshops will commence at 08h00 on Saturday 16 August 2003 in the main foyer of the ICC, DURBAN and will continue daily for the duration of the conference.

### Opening Ceremony

The Minister of Agriculture and Land Affairs, Ms. Angela Thoko Didiza will officially open the conference in the plenary venue on Sunday 17 August 2003 at 10h00.

Dress: Business Attire or Traditional Dress

### Welcome Reception

This warm South African welcome, hosted by His Worship the Ethekewini Municipality Mayor, Councillor Obed Mlaba, will commence at 19h00 on Sunday 17 August 2003.

Dress: Casual

### Networking Evening

This event will be held on Wednesday 20 August 2003 at 19h00 at "Joe Kool's" theme restaurant on the beachfront.

Dress: Casual, bring a jacket to ward off the sea breezes

### Conference Dinner

Thursday 21 August 2003 brings us to the last function of the conference. We have planned a fun-filled social event comprising music, cabaret and food which represents the broad spectrum of south African culture and cuisine.

Dress: Jacket & Tie/Traditional Dress

## TABLE RESERVATIONS FOR THE GALA DINNER

In order to book a table, gather your colleagues and present your vouchers, found in your name badge pouch, at the conference registration desk from *09h30 on Tuesday 19 August 2003 to 12h00 on Thursday 21 August 2003*. Those delegates who have not reserved a seat by the end of this period, will be seated at the discretion of the organizers. A final seating plan will be available at the entrance to Hall 1AB on Thursday evening.

### Lunches

All lunches will be served in Hall 3BC, next to the Poster Display area. Only delegates with lunch vouchers, found in your name badge, would have access to the lunch venue. If you have not booked any lunches, you may still do so at the conference registration desk.

### Refreshment breaks

All refreshment breaks will be held in the Poster Display area Hall 3A. Only delegates wearing name badges will be given entry into this area.

## NAME BADGE IDENTIFICATION

### Workshops:

Learning Workshop on Analytical and Empirical Tools for Poverty Research	Blue insert
Learning Workshop on Food Security Measurement in a Developing World Context with a Focus on Africa	Green insert
Learning Workshop on Water Reforms, Institutions' Performance, Allocation, Pricing and Resource Accounting	Yellow insert

**Conference:**

Delegate	White
Accompanying person	Orange
Staff/Crew	Black
Keynote speakers/VIPs	Red
National Committee	Green
Executive Committee	Blue
Day delegates	Turquoise

**SECURITY SAFETY TIPS ON THE STREET**

- Do not publicize your valuables, e.g. jewellery, camera, etc.
- Use credit cards or if not possible, please carry small amounts of cash.
- At night, avoid isolated dark places.
- If you need any information, a policeman or officer will be glad to assist you.
- If you need a taxi, your hotel or the nearest tourism information office can be recommend a reliable service.
- It is advisable, when going for a walk, to walk in groups of not less than two persons.
- Do not wear your delegate ID card on your person when leaving the ICC or DEC.

**IN THE CAR**

- Like anywhere else in the world, your safety is strongly dependent on you.
- Always know where you are going.
- Fasten your seatbelt, lock your doors, and only leave your windows open about 5cm.
- Never pick up strangers.
- Do not use your cell phone whilst driving, unless you have a "hands free kit".
- Never display your valuables in the car, e.g. handbags, clothes, cell phones. Lock them in the boot.

**ON THE BEACH**

- Swim at beaches manned by lifeguards.
- Swim between the beacons.
- Obey instructions of lifeguards.
- Do not bring along valuables to the beach, always leave them behind.
- Use adequate sun protection cream.
- When encountering difficulties in the sea, raise one hand above your head.
- Do not take glass bottles to the beach.
- Avoid mixing alcohol and swimming.

**VISITING SITES IN RURAL AREAS**

- Establish how to observe the cultural protocol of that area.
- Visit traditional areas via recognized tourism transport.
- Use registered, qualified tour guides.

**ACCOMMODATION**

- Just like anywhere else in the world, please do not leave your luggage unattended.
- Store valuables in the safety deposit box at reception.
- Keep your room locked, whether you're in or out.
- If someone knocks, check who it is before opening the door.

**AT THE AIRPORT**

- Always keep your bags where you can see them.
- If you feel uncomfortable with people around you, please go to the nearest security offices.

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