

Global food production trends under Climate Change and Increased Supply Variability: Implications for Trade and Food Policy

Rome FAO-HQ
November 5-6, 2013 (German Room, C Building, 2nd Floor)

PROGRAMME

Tuesday, 5 November

09:00-9:20 Welcome and opening remarks by **David Hallam**, Director, Trade and Markets Division, FAO

Introductory comments, workshop format and expectations, **Aziz Elbehri**, Trade and Markets Division, FAO

09:20-12:45 **Session 1: Biophysical assessment models on climate change impact on agricultural productivity**

Chair: **Joshua Elliott**, University of Chicago, USA

9:20-9:50 *Global analysis using crop modelling and agro-ecological databases to assess global food production trends*, **Güenther Fischer**, IIASA, Vienna

9:50-10:20 *The Global Gridded Crop Model Initiative - approaches, insights and caveats of modelling climate change impacts on agriculture at the global scale*, **Christoph Müller**, Potsdam Institute for Climate Impact Research and AgMIP and **Joshua Elliott**, University of Chicago, USA

10:20-10:50 Q&A

10:50-11:15 Coffee break

11:15-11:45 *Robust negative yield impacts under weather and climate change and implications for food production trends: with application to Africa*, **Wolfram Schlenker**, Columbia University, USA

11:45-12:45 Plenary discussion

12:45-14:00 Lunch

14:00-18:00 **Session 2: Bioeconomic models – Climate change and global and regional food system trends**

Chair: **Dominique Van Der Mensbrugge**, FAO

- 14:00-14:30 *Role of international trade and trade policy reforms under a changing climate: Insights from global economic modelling*, **Helal Ahammad**, ABARES, Australia
- 14:30-15:00 *Climate Change Impacts on African Agriculture: Alternative Scenarios for Growth*, Timothy S. Thomas and **Mark W. Rosegrant**, IFPRI
- 15:00-15:30 *Potential Impact of Climate Change on Global Rice Market and Food Security in Asia*, **Ching-Cheng Chang**, Institute of Economics, Taiwan
- 15:30-16:00 Q&A
- 16:00-16:20 Coffee Break
- 16:20-16:50 *Global climate change, food supply and livestock production systems: A bioeconomic analysis*, **Petr Havlik**, IIASA, Vienna
- 16:50-17:20 *Grain production trends in Russia-Ukraine-Central Asia Context of the Global Climate Variability and Change*, **Elena Lioubimtseva**, Grand Valley State University, USA
- 17:20-18:00 Plenary discussion

Wednesday, 6 November

- 9:00-11:00 **Session 3: Uncertainty, variability in expected climate change impacts**
Chair: **Wolfram Schlenker**, Columbia University, USA
- 9:00-9:30 *Climate change impacts on global food security*, **Tim Wheeler**, Reading University, UK
- 9:30-10:00 *Uncertainties in modelling climate-induced variations in crop production - with focus on European-led efforts of model improvement (FACCE MACSUR)*, **Reimund Rötter**, MTT Agrifood Research Finland/MACSUR
- 10:00-10:30 *Uncertainty in Bioeconomic models – Magnitude and Sources of uncertainty in AgMip group of bioeconomic models*, **Martin Von Lampe**, OECD/AgMIP
- 10:30-11:00 Q&A
- 11:00-11:20 Coffee Break
- 11:20-13:00 **Session 4: Climate change and trade policy**
Chair: **TBD**

- 11:20-11:40 *Potential trade impacts of climate change developments and related standards and measures*, **Vesile Kulaçoğlu**, Director, WTO Trade and Environment Division
- 11:40-12:00 *Climate change and trade – required adjustments to trade policies in the short and long run*, **Will Martin**, World Bank
- 12:00-12:20 *Climate-related trade policies and implications for agricultural trade with developing countries*, **Jonathan Hepburn**, ICTSD
- 12:20-13:00 Plenary discussion: open discussion on various climate-related trade policy issues including border tax adjustments, carbon footprints, eco-labelling, implications for developing countries and for food security.
- 13:00-14:00 Lunch break
- 14:00-16:00 **Session 5: Wrap up session**
Chair: **Aziz Elbehri**, FAO
- 16:00 Conference closing and coffee