

Tuesday April 24		Workshop Day 1 - Plenary and Working Groups
8:00 AM	AM shuttle service departs Crowne Plaza	
8:15 AM	AM shuttle service departs Radisson	
8:45 AM	Registration and Poster Mounting	Posters Viewing during Breaks and Lunch, with Author Presentations during the Wednesday evening Walking World Café
9:15 AM	Plenary Presentations	State of AgMIP and Challenges for Agricultural Decision Support
9:15 AM		1. IICA Welcome - <i>Manuel Otero</i>
9:30 AM		2. Challenges from Latin America Perspective - Manuel Otero
9:50 AM		3. Challenges from Global Perspective: Addressing IPCC and SDG Targets - <i>Ghassem Asrar</i>
10:10 AM		4. State of AgMIP - <i>Senthold Asseng & Hermann Lotze-Campen</i>
10:30 AM		5. Workshop Charge - <i>Cynthia Rosenzweig & Anthony Whitbread</i>
10:45 AM	Break	Refreshments and Poster Viewing
11:15 AM	Plenary Presentations	Research Highlights and Opportunities (Part 1)
11:15 AM		1. Model Improvements from Model Intercomparison - <i>Pierre Martre</i>
11:35 AM		2. Key Findings from Integrated Climate, Crop, Livestock, and Economic Assessments of Farming Systems in Sub-Saharan Africa and South Asia - <i>John Antle</i>
11:55 AM		3. Impacts to Agricultural and Food Systems with Imposed Limits to Climate Change - <i>Alex Ruane</i>
12:15 PM		4. Linking Integrated Assessments and Policy-Making to Enable Uptake - <i>Sabine Homann-Kee Tui</i>
12:35 PM		Discussion
12:45 PM	Charge for Afternoon Sessions	Charge for the Afternoon Parallel and Working Group Sessions
1:00 PM	Lunch	Self-Organized Discussion Groups – Poster Viewing
2:00 PM	Parallel Presentations Session 1	1A: Global Agricultural Modeling for Development and Climate Analysis #1 - SUR 1B: Regional Assessments of Biophysical and Economic Systems #1 - ARGENTINA 1C: Advances in Simulating Diverse Agricultural Systems - ANDINO 1D. Climate Change Impacts on Biophysical Systems #1 - CARIBE
3:20 PM	Break	Refreshments and Poster Viewing
3:50 PM	Working Groups Session 1 Goal and Agenda Setting by Overarching Research Topic	W1: Crop Model Intercomparison and Improvement - <i>Frank Ewert & Jean-Louis Durand</i> - USA/CANADA W2: Utilizing Big Data and Next Generation Tools for Agricultural Decisions - <i>Cheryl Porter, Sander Janssen & Gideon Kruseman</i> - ANDINO W3: Data Assimilation, Seasonal Agricultural Forecasting, and Risk Assessment - <i>Alex Ruane, Joshua Elliott & Stefan Niemyer</i> - SUR W4: Global Economics, Trade, and Land Use - <i>Hermann Lotze-Campen & Keith Wiebe</i> - CARIBE W5: Integrated Assessments of Farming Systems and Implications for Decision Systems - <i>Roberto Valdivia & John Antle</i> - ARGENTINA W6: Nutrition and Food Security Analyses and Assessments - <i>Cynthia Rosenzweig and Marco Springman</i> - MEETING ROOM DCT W7: Characterizing Production Losses from Ozone, Pests, and Diseases - <i>Lisa Emberson & Maurits van den Berg</i> - AMERICA CENTRAL
5:30 PM	Plenary Wrap-up	Wrap up & Check on Day 1 Goals and Introduce Day 2 Objectives
6:00 PM	PM shuttle service to Crowne Plaza (only) and Radisson (only) - NOTE: shuttle service is hotel speci	

Wednesday April 25		Workshop Day 2 - Plenary and Parallel Sessions
8:00 AM	AM shuttle service departs Crowne Plaza	
8:15 AM	AM shuttle service departs Radisson	
9:00 AM	Plenary Presentations	Research Highlights and Opportunities (Part 2)
9:00 AM		1. Harmonizing Climate Scenarios for Multiple Applications - <i>Sonali McDermid</i>
9:15 AM		2. Priorities in Crop Modeling Developments - <i>Ken Boote</i>
9:30 AM		3. Recent Advancements in European and African Assessments - <i>Heidi Webber & Dilys MacCarthy</i>
9:45 AM		4. Main Messages from Global Gridded Model Analyses - <i>Christoph Müller</i>
10:00 AM		5. Roles for Big Data in Agricultural Analyses - <i>Andrew Jarvis</i>
10:20 AM		Discussion
10:30 AM	Break	Refreshments and Poster Viewing
11:00 AM	Plenary Presentations	Research Highlights and Opportunities (Part 3)
11:00 AM		1. The Role of Agricultural Models in Seasonal Forecasting Systems - <i>Stefan Neimeyer</i>
11:15 AM		2. Characterizing Losses in Crop and Livestock System Models - <i>Lisa Emberson</i>
11:30 AM		3. Foresight in Global Food Systems, Food Security & Policy - <i>James Woodhill</i>
11:45 AM		4. Crop and Pasture Ensemble Model Simulations of Productivity and Emissions - <i>Jean-Francois Soussana</i>
12:00 PM		5. Global Economics, Shocks, and Regional Trade Instability - <i>Hermann Lotze-Campen</i>
12:15 PM		Discussion
12:30 PM	Overview of Afternoon Sessions	Introducing the Afternoon Sessions
12:40 PM	Photo	Workshop Photos - All - Women - Under 40 - Over 60
1:00 PM	Lunch	Self-Organized - Poster Viewing - Womens Lunch
2:00 PM	Parallel Presentation	Parallel Presentation Sessions 2 & 3
2:00 PM	Parallel Presentations Sessions 2	2A: Resolving Crop Losses (including Pests, Diseases, Weeds, Ozone) - CARIBE
		2B: Advanced Computational Applications for Agriculture - SUR
		2C: Data Assimilation and Seasonal Forecasting of Agricultural Shocks - ANDINO
		2D: Regional Assessments of Biophysical and Economic systems #2 - ARGENTINA
		2E: Modeling the Causes and Cascading Impacts of Food Shocks - AMERICA CENTRAL
3:30 PM	Break	Refreshments and Poster Viewing
4:00 PM	Parallel Presentations Sessions 3	3A: Nutrition and Food Security Metrics and Scenarios - ANDINO
		3B: Crop Model Intercomparison in Diverse Systems - SUR
		3C: Soil Nutrient and Water Management Strategies - ARGENTINA
		3D: Climate Change Impacts on Biophysical Systems - CARIBE
		3E: Global Agricultural Modeling for Development and Climate Analysis #2 - AMERICA CENTRAL
5:15 PM	Plenary Wrap-up	Wrap Up & Check on Day 2 Goals Introduce Day 3 Objectives
5:45 PM	Break	Refreshments, Appetizers, and Introduction to the Walking World Cafe
6:15 PM	Walking World Cafe	Global Agricultural Modeling for Development and Climate Analyses Regional Assessments of Biophysical and Economic Assessments Climate Change Impacts on Biophysical Systems Advanced Computational Applications for Agriculture Data Assimilation and Seasonal Forecasting of Agricultural Shocks Modeling the Causes and Cascading Impacts of Food Shocks Crop Model Intercomparison in Diverse Systems AgMIP Leaders Forum Activity Summaries
7:30 PM	PM shuttle service to Crowne Plaza (only) and Radisson (only) - NOTE: shuttle service is hotel specific	

Thursday April 26		Workshop Day 3 – Plenary and Working Groups
8:00 AM	AM shuttle service departs Crowne Plaza	
8:15 AM	AM shuttle service departs Radisson	
9:00 AM	Plenary	Research Planning and Opportunities
9:00 AM		1. Regional Priorities for Current and Future Challenges - <i>Peter Craufurd</i>
9:20 AM		2. Challenge to Parallel Sessions for Work Planning - <i>Cynthia Rosenzweig</i>
9:30 AM	Working Groups Session 2 Regional Integration of Models and Disciplines	W8: Latin America and the Caribbean - <i>Kelly Witkowski, Francisco Meza & Roberto Valdivia</i> - ARGENTINA
		W9: Asia and Australia - <i>N. Subash & Peter Thorburn</i> - SUR
		W10: Africa - <i>Dilys MacCarthy & Sabine Homann-Kee Tui</i> - ANDINO
		W11: Europe - <i>Ignacio Perez, Davide Cammarano & Claas Nendel</i> - CARIBE
		W12: North America - <i>Bruno Basso and Senthold Asseng</i> - AMERICA CENTRAL
11:00 AM	Break	Refreshments and Poster Viewing
11:30 AM	Working Groups Session 3 Discussion of Protocols, Plans, and Goals for AgMIP8	W1: Crop Model Intercomparison and Improvement - <i>Frank Ewert & Jean-Louis Durand</i> - USA/CANADA
		W2: Utilizing Big Data and Next Generation Tools for Agricultural Decisions - <i>Cheryl Porter, Sander Janssen & Gideon Kruseman</i> - ANDINO
		W3: Data Assimilation, Seasonal Agricultural Forecasting, and Risk Assessment - <i>Alex Ruane, Joshua Elliott & Stefan Niemeyer</i> - SUR
		W4: Global Economics, Trade, and Land Use - <i>Hermann Lotze-Campen & Keith Wiebe</i> - CARIBE
		W5: Integrated Assessments of Farming Systems and Implications for Decision Systems - <i>Roberto Valdivia & John Antle</i> - ARGENTINA
		W6: Nutrition and Food Security Analyses and Assessments - <i>Cynthia Rosenzweig and Marco Springman</i> - MEETING ROOM DCT
		W7: Characterizing Production Losses from Ozone, Pests, and Diseases - <i>Lisa Emberson & Maurits van den Berg</i> - AMERICA CENTRAL
1:00 PM	Lunch	Self Organized Discussion Groups – Poster Viewing
2:00 PM	Working Groups Session 3 Discussion of Protocols, Plans, and Goals for AgMIP8, continued	W1: Crop Model Intercomparison and Improvement - <i>Frank Ewert & Jean-Louis Durand</i> - USA/CANADA
		W2: Utilizing Big Data and Next Generation Tools for Agricultural Decisions - <i>Cheryl Porter, Sander Janssen & Gideon Kruseman</i> - ANDINO
		W3: Data Assimilation, Seasonal Agricultural Forecasting, and Risk Assessment - <i>Alex Ruane, Joshua Elliott & Stefan Niemeyer</i> - SUR
		W4: Global Economics, Trade, and Land Use - <i>Hermann Lotze-Campen & Keith Wiebe</i> - CARIBE
		W5: Integrated Assessments of Farming Systems and Implications for Decision Systems - <i>Roberto Valdivia & John Antle</i> - ARGENTINA
		W6: Nutrition and Food Security Analyses and Assessments - <i>Cynthia Rosenzweig and Marco Springman</i> - MEETING ROOM DCT
		W7: Characterizing Production Losses from Ozone, Pests, and Diseases - <i>Lisa Emberson & Maurits van den Berg</i> - AMERICA CENTRAL
3:30 PM	Break	Refreshments and Poster Viewing
4:00 PM	Plenary Wrap-up	Workshop Integration and AgMIP Research Agenda
		1. Reports back from Work Sessions (5 minutes each) - <i>WG Session Rapporteurs</i>
		2. Perspectives from AgMIP Scientific Steering Committee - <i>Jean-Francois Soussana & Ghassem Asrar</i>
		3. Discussion
		4. Closing Comments from IICA
		5. Closing Comments from AgMIP
5:30 PM	Adjourn	Take Down Posters
5:45 PM	PM shuttle service to Crowne Plaza (only) and Radisson (only) - NOTE: shuttle service is hotel specific	

FROM 6:15 PM WEDNESDAY, APRIL 25, 2018 - Walking World Café

1A: Global Agricultural Modeling for development and climate analysis	1D. Climate Change impacts on biophysical systems	2B: Advanced Computing and Machine Learning Applications for Agriculture	3B: Crop Model Intercomparison in Diverse Systems
111 - Climate impacts on Canadian productions of major crops for global warming levels of 1.5, 2.0 and 2.5 degrees C - <i>Budong Qian</i>	141 - Sensitivity analysis of maize grain yield to changes in climate elements, CO ₂ , and nitrogen fertilizer - <i>F.D. Bender</i>	222 - Assimilation of the BioMA Platform, as a tool for the climate change impacts studies on agricultural crops. Environmental Bases for Local Food Sustainability Project (BASAL), Cuba - <i>Ranses Vázquez</i>	321 - Comparing the performance of SUBSTOR and CropSyst in five potato varieties under different model calibration strategies Comparing the performance of SUBSTOR and CropSyst in five potato varieties under different model calibration strategies - <i>Victor García-Gutiérrez</i>
1B: Regional Assessments of biophysical and economic systems	142 - Global crop production: adaptation options to temperature increase - <i>Sara Minoli</i>	223 - The AgMIP Impacts Explorer - <i>AgMIP Coordination Unit</i>	4: AgMIP Leaders Forum Activity Summaries
121 - Impacts and management strategies under climate change on maize yield - <i>P. C. Sentelhas</i>	143 - Simulating the yield response of potato crops to projected climate scenarios for southern Chile using SUBSTOR-POTATO - <i>Patricio Sandana</i>	2C: Data Assimilation and Seasonal Forecasting of Agricultural Shocks	401 - AgGRID; 402 - Wheat; 403 - Water; 404 - WASCAL; 405 - SugarCane; 406 - Rice; 407 - Regional Economics; 408 - PeDiMIP; 409 - Ozone; 410 - Maize ET; 411 - Maize; 412 - MACSUR; 413 - Low Input Smallholder Systems; 414 - Data Interoperability; 415 - BioMA; 416 - Crop Model Calibration; 417 - CGRA; 418 - C3MP; 419 - Canola; 420 - Impacts Explorer; 421 - AgMIP Structure
122 - BioMA Studio for Latin America and the Caribbean - <i>Maurits van den Berg</i>	144 - Simulating the yield response of wheat crops to projected climate scenarios for southern Chile - <i>Patricio Sandana</i>	231 - Assimilating remote sensing observations in a sunflower crop model under uncertainty on soil properties - <i>Ronan Trépos</i>	
123 - Crop modelling in Latin America and the Caribbean: State of the art of development and applications for climate change impacts and adaptation assessments - <i>Maurits van den Berg</i>	145 - Preliminary Results of a Simulation-Based Wheat Yield Forecast Framework for the US Southern Great Plains - <i>Phillip D. Alderman</i>	2E: Modeling the Causes and Cascading Impacts of Food Shocks	
124 - CLIMANDES Project: Climate services for decision making in the Andean areas of Cusco and Puno, Peru - <i>Irene Trebejo</i>	146 - InfoCrop DSS aided adaptation to climatic risks in agriculture: Case study from farmers fields in India - <i>S. Naresh Kumar</i>	251 - Implications of future climate variability on food security: a model-based assessment of climate-induced crop price volatility impacts - <i>Hermann Lotze-Campen</i>	
125 - The missing link - adding a spatial component to AgMIP's Regional Integrated Assessments (RIA) to upscale and map the impact of climate on crop production and economics - <i>Davide Cammarano</i>	147 - Modeling Drought Tolerance in Caribbean Root Crops under Present and Future Climates - the Case of Jamaican Sweet Potato - <i>Jane Barker-Cohen</i>		
126 - Argentine proposal for the generation of new models in the Pampas Region - <i>Sebastian Leavy</i>	148 - Adjusting Climate Model Bias for Agricultural Impact Assessment: the BAD-JAM project - <i>Stefano Galmarini</i>		
127 - Proposal for Social Development of the Pampas Region - <i>Sebastian Leavy</i>			

FROM 2:00 PM TUESDAY, APRIL 24, 2018 - Parallel Session 1

2:00 PM	Session 1A: Global Agricultural Modeling for development and climate analysis #1 - SUR	Session 1B: Regional Assessments of biophysical and economic systems #1 - ARGENTINA	Session 1C: Advances in Simulating Diverse Agricultural Systems - ANDINO	Session 1D. Climate Change impacts on biophysical systems #1 - CARIBE
	Herman Lotze-Campen, Session Chair	Sabine Homann-Kee Tui, Session Chair	Dakshina Murthy Kadiyala, Session Chair	Senthold Asseng, Session Chair
2:00 PM	Joining forces: linking AgMIP, ISIMIP and TWI2050 for assessing sustainable development pathways - Herman Lotze-Campen	Adaptation strategies for Cotton-Wheat Cropping System of Punjab Pakistan under Changing Climate Scenarios - Ashfaq Ahmad	Introducing the CROPGRO Perennial Forage Model for Tropical and Temperate Grasses and Legumes - Ken Boote	Climate change impact on global wheat protein - Senthold Asseng
2:20 PM	Reconciling global sustainability targets and regional action for food security and climate change mitigation - Juliana Dias Bernardes Gil	An integrated assessment of climate change impacts and adaptation in maize-based smallholder crop-livestock systems in Kenya - John Antle	Climate change impacts and vulnerability of farm households in rainfed farming systems of Southern India - Dakshina Murthy Kadiyala	European winter oil seed rate production under climate change - Johannes Pullens
2:40 PM	Reconciling irrigated food production with environmental flows for Sustainable Development Goals implementation - Jonas Jägermeyr	Will South Africa's staple basket run empty by 2050? - Davide Cammarano	Canopy temperature simulation for crop heat stress assessment: physical robustness environments and production conditions - Heidi Webber	Adjusting Climate Model Bias for Agricultural Impact Assessment: the BAD-JAM project - Stefano Galmarini
3:00 PM		Influencing sustainability transitions for smallholder farming systems in Southern Africa - Sabine Homann-Kee Tui		Climate change impact on Mexico wheat production - Diego Pequeno

FROM 2:00 PM WEDNESDAY, APRIL 25, 2018 - Parallel Session 2

2:00 PM	Session 2A: Resolving Crop Losses (including Pests, Diseases, Weeds, Ozone) - SUR	Session 2B: Advanced Computational Applications for Agriculture - ARGENTINA	Session 2C: Data Assimilation and Seasonal Forecasting of Agricultural Shocks - ANDINO	Session 2D: Regional Assessments of biophysical and economic systems #2 - CARIBE	Session 2E: Modeling the Causes and Cascading Impacts of Food Shocks
	Merle Isabelle, Session Chair	Gideon Kruseman, Session Chair	Meridel Phillips, Session Chair	Ibrahima Hathie, Session Chair	Fulu Tao, Session Chair
2:00 PM	Toward a regional early warning system network for coffee leaf rust and associated socio-economic crises - <i>Jacques Avelino</i>	The Agricultural Model Exchange Initiative - <i>Pierre Martre</i>	Crop Yield Predictions - Multi-scale Statistical Model for Intra-season Forecasts Applied to Corn in the US - <i>Yiqing Cai</i>	Assessing adaptation costs in irrigated agriculture integrating hydrological and crop simulation models: case study from central Chile - <i>Francisco Meza</i>	
2:15 PM	Air Quality and Agriculture – Critical pollutants, risk assessment and response - <i>Lisa Emberson</i>	Making messy socio-economic data FAIR - <i>Gideon Kruseman</i>	The Agricultural Productivity Indicator Analysis System (APIAS) - <i>Meridel Phillips</i>	Rice-Wheat farming in the Indo-Gangetic Plains in the 2050s: Can Sustainable Agricultural Pathways offset Climate Change Vulnerabilities? - <i>Nataraja Subash</i>	
2:30 PM	Modelling the effects of multiple diseases on wheat growth and yield - <i>Kurt Christian Kersebaum</i>	Shared protocols and data template in agronomic trials - <i>Davide Cammarano</i>	Crop and crop management identification from space for national-scale modelling - <i>Claas Nendel</i>	Climate change impacts and vulnerability of fallow-chickpea based farm households in India: Assessment using Integrated modeling approach - <i>Dakshina Murthy Kadiyala</i>	New crop modelling technique for improving model performance under climate change and stress simulations - <i>Ioannis Droutsas</i>
2:45 PM	Identification of microclimatic variables determining the appearance of the symptoms of a leaf disease: case of the coffee leaf rust - <i>Merle Isabelle</i>	AgMIP Data Interoperability: Moving beyond Regional Integrated Assessments - <i>Cheryl Porter</i>	EOFSAC: A Multidisciplinary Consortium to Enhance Food Security and Agriculture through Earth Observations - <i>Roberto Cesar Izaurralde</i>	Impacts of 1.5 versus 2.0°C on West African cereal yields - <i>Heidi Webber</i>	Contribution of crop model structure, parameters and climate projections to uncertainty in climate change impact assessments - <i>Fulu Tao</i>
3:00 PM	Crop diseases and pests: from crop losses to biocomplexity - <i>Kurt Christian Kersebaum</i>	Mobile phone based advisories for smallholder farmers; lessons from the field - <i>Peter Craufurd</i>		Climate change impacts on current and future agricultural systems in the semi-arid regions of West Africa - <i>Ibrahima Hathie</i>	Elucidating Thermal Death of Cereal Grain Crops to Ensure Life - <i>Gerard W Wall</i>
3:15 PM		Evolving the AgMIP Impacts Explorer - <i>Sander Janssen</i>			Improved temperature response functions in crop models reduced the uncertainty of wheat yield projections - <i>Pierre Martre</i>

FROM 4:00 PM WEDNESDAY, APRIL 25, 2018 - Parallel Session 3					
4:00 PM	Session 3A: Nutrition and Food Security Metrics and Scenarios - ANDINO	Session 3B: Crop Model Intercomparison in Diverse Systems - SUR	Session 3C: Soil nutrient and Water Management Strategies - ARGENTINA	Session 3D. Climate Change impacts on biophysical systems #2 - CARIBE	Session 3E: Global Agricultural Modeling for Development and Climate Analysis #2 - AMERICA CENTRAL
	Bhimanagouda Patil, Session Chair	Kenneth Boote, Session Chair	Claas Nendel, Session Chair	Velingiri Geethalakshmi, Session Chair	Abigail Snyder, Session Chair
4:00 PM		Testing multiple rice crop models against free-air CO2 enrichment and chamber experiments to improve yield responses to elevated CO2 and temperature - <i>Kenneth Boote</i>	Coupling crop and soil organic matter models to assess crop resilience to climate change and variability by the adoption of conservationist management systems - <i>Marcelo Galdos</i>		A Systems Approach to Characterize the Tradeoff between Food Security and Environmental Impacts - <i>Anjuli Jain Figueroa</i>
4:15 PM	Sustainable diets in a global context - <i>Pauline Scheelbeek</i>	A Summary of Research Activities from the AgMIP Potato Crop Modeling Intercomparison Pilot - <i>David Fleisher</i>	The Global Microlysimeter Network to inform crop models on nitrogen mineralisation of soils - <i>Claas Nendel</i>		Crop yield change and feedbacks on land-use and management over the 21st century - <i>Sam Rabin</i>
4:30 PM	Modeling the Effect of Environmental Conditions on Health-promoting Compounds of Melons - <i>Bhimanagouda Patil</i>	How reliable are current crop models to simulate canola growth and seed yield? - <i>Ward Smith</i>	Prediction of Evapotranspiration and Yields of Maize - <i>Bruce Kimball</i>	Climate change impact on the yields of cereals in smallholder settings in West Africa: The case of Niore, Senegal and Navrongo, Ghana - <i>Dilys MacCarthy</i>	Agricultural response functions for integrated assessment models based on the C3MP data set - <i>Abigail Snyder</i>
4:45 PM	The health burden of red and processed meat consumption - <i>Marco Springmann</i>		Backward simulation of nitrogen fertilizer effect on maize growth and yield - <i>Haishun Yang</i>	Evolving climate resilient crop systems through integrated climate and crop modeling: A case study from Tamil Nadu - <i>Velingiri Geethalakshmi</i>	Agricultural adaptation: constraints and compensation opportunities to changes in temperature, precipitation and CO2 - a global multi-model analysis - <i>Florian Zabel</i>
5:00 PM	The effect of environmental change on yields and nutritional quality of fruits, vegetables & legumes, and their relevance for food & nutrition security - <i>Pauline Scheelbeek</i>		Land degradation and food security: impacts and adaptation options - <i>Alvaro Calzadilla</i>	Field warming experiments constrain global crop yield reductions under Paris' global warming targets - <i>Xuhui Wang</i>	