

AgMIP10

Responding to
Climate Change Urgency

March 31-April 4, 2025 – CIMMYT, El Batán, Mexico

Workshop Themes

1. Science-Policy Linkages for Food Systems
2. Technology Across Scales
3. Model Application in Low-Yielding/Low-Data Environments
4. Crop and Livestock Modeling
5. Climate Resilience for Food and Nutrition Security
6. Mitigation and Adaptation Co-Benefits and Life Cycle Analysis

Monday, March 31, 2025: Side Meetings

If you would like to attend a meeting, please contact the session Leader(s) for more information.

Time	Session	Leader(s) Contact Info	Room
08:30-09:00	Arrival & Registration <i>Light breakfast provided</i>		KMIT Lobby
09:00-12:00	Global Gridded Crop Modeling Intercomparison (Internal Planning)	cmueller@pik-potsdam.de jonas.jaegermeyr@columbia.edu	N/A (Closed)
	AgMIP Wheat	Heidi.Webber@zalf.de Frank.Ewert@zalf.de, pierre.martre@inrae.fr	Contact Session Leader
	AgMIP Ozone	jrguarin@outlook.com	VC09
	Global Economics Team/EAT-Lancet 2.0 Commission	lotze-campen@pik-potsdam.de	KMIT Open Area
13:00-16:00	Global Gridded Crop Modeling Intercomparison (AgMIP Community)	cmueller@pik-potsdam.de jonas.jaegermeyr@columbia.edu	KM11 A&B
	Low-Input Systems (Soil Organic Matter & Intercropping Modeling)	antoine.couedel@cirad.fr	KM10
	Crop Model Calibration	wallach.mathmod@gmail.com	KMIT Open Area

Time	Session	Room
08:00-09:00	Arrival & Registration <i>Light breakfast provided</i>	KMIT Lobby
09:00-09:50	Welcome and Introductory Remarks Bram Govaerts, <i>CIMMYT</i> Morven McLean, <i>Steering Council Co-Chair (virtual)</i> AgMIP Executive Committee Alex Ruane, <i>AgMIP Science Coordinator (virtual)</i> AgMIP10 Kick-off Plenary Manuel Otero, <i>IICA</i> Cynthia Rosenzweig, <i>Columbia University</i>	KMIT Auditorium
09:50-10:30	Session 1 Plenary: Science-Policy Linkages for Food Systems Chair: Cynthia Rosenzweig Manuel Otero, <i>IICA</i> Hayden Montgomery, <i>Global Methane Hub (virtual)</i> Barron Orr, <i>UNCCD</i> Kevin Pixley, <i>CIMMYT</i>	
10:30-11:00	Report Back from March 31 Side Meetings	
11:00-11:30	Coffee Break & Posters	KMIT Lobby
11:30-13:00	AgMIP Team Working Sessions <i>What are main AgMIP activities in this area?</i> <i>How can new participants get involved?</i> <i>What are plans and priorities for the next year?</i>	
	WS1: Landscape-scale modeling & crop loss <i>Chairs: Frank Ewert and Diego Pequeno</i>	KM10
	WS2: Crop model improvement <i>Chair: Montse Salmeron</i>	KM11A&B
	WS3: Machine learning and data assimilation <i>Chair: Ioannis Athanasiadis</i>	VC09
	WS4: Economics and trade modeling in a changing food system <i>Chair: Dominique van der Mensbrugge</i>	KMIT Open Area
13:00-14:30	Lunch (<i>Theme: Region</i>)	Guest House Garden
14:30-15:30	Session 2 Plenary: Technology Across Scales Chair: Christoph Müller Geraldo Martha, <i>EMBRAPA (Keynote)</i> Daniel Mason-D'Croze, <i>Cornell University</i> Frank Ewert, <i>ZALF</i> Ioannis Athanasiadis, <i>WUR</i> Sarah Garland, <i>TripleHelix (virtual)</i>	KMIT Auditorium

Day 1: Tuesday, April 1, 2025 (cont.)

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Time	Session	Location
15:30-16:00	Coffee Break & Posters	KMIT Lobby
16:00-17:30	Paper Presentation Sessions <i>What are the latest research results and key findings for applications?</i> Presentation details	
	PS1: Regional integrated assessments of risk and adaptation options <i>Chair: Roberto Valdivia</i>	KM10
	PS2: Improving crop models to capture seasonal climate responses <i>Chair: Kevin Karl</i>	KM11A&B
	PS3: Data assimilation and remote sensing <i>Chair: Jyoti Singh</i>	KMIT Open Area
	PS4: Modeling mitigation and soils <i>Chair: Pierre Martre</i>	VC09
18:00-20:00	Evening Reception Speaker: Purvi Mehta, <i>Gates Foundation</i>	Guest House Garden

Day 2: Wednesday, April 2, 2025

08:20-09:00	Arrival & Registration <i>Light breakfast provided</i>	KMIT Lobby
09:00-10:15	Session 3 Plenary: Model Application in Low-Yielding/Low-Data Environments Co-Chairs: Anthony Whitbread and Dilys MacCarthy Gatien Falconnier, <i>CIRAD (Keynote)</i> Jacob Emanuel Joseph, <i>ILRI</i> Diego Pequeno, <i>CIMMYT</i> Nataraja Subash, <i>ICAR</i>	KMIT Auditorium
10:15-10:30	Report Back from Day 1 Working Sessions	
10:30-11:30	Group Photo, Coffee Break & Posters	KMIT Lobby
11:30-13:00	Paper Presentation Sessions <i>What are the latest research results and key findings for applications?</i> Presentation details	
	PS5: Food systems, trade, and diets in a changing world <i>Chair: Mario Herrero</i>	KM10
	PS6: Data and information technologies advances for agricultural modeling <i>Chair: Monique Oliveira</i>	KM11A&B

Time	Session	Location
11:30-13:00	Paper Presentation Sessions (cont.) <i>What are the latest research results and key findings for applications?</i> Presentation details	
	PS7: Modeling dryland and other non-traditional/opportunity crops <i>Chair: Nataraja Subash</i>	KMIT Open Area
	PS8: Land, water, and climate modeling <i>Chair: Sonali McDermid</i>	VC09
13:00-14:30	Lunch (<i>Theme: Gender</i>)	Guest House Garden
14:30-16:00	AgMIP Team Working Sessions <i>What are main AgMIP activities in this area?</i> <i>How can new participants get involved?</i> <i>What are plans and priorities for the next year?</i>	
	WS5: Regional assessment for adaptation and mitigation policy planning <i>Co-Chairs: Ashfaq Chatta and Roberto Valdivia</i>	KM10
	WS6: Simulating opportunity crops & Low-input agricultural systems <i>Co-Chairs: Marc Corbeels, Antoine Couedel, and Dilys MacCarthy</i>	KM11A&B
	WS7: Calibration, model, and modeler uncertainty <i>Co-Chairs: Daniel Wallach and Christoph Müller</i>	KMIT Open Area
	WS8: Modeling food system mitigation <i>Co-Chairs: Yushu Xia and Daniel Mason-D'Croz</i>	VC09
16:00-16:30	Coffee Break & Posters	KMIT Lobby
16:30-17:30	Session 4 Plenary: Crop and Livestock Modeling Co-Chairs: Frank Ewert and Montse Salmeron Heidi Webber, <i>ZALF (Keynote)</i> Santiago Cuadra, <i>EMBRAPA</i> Jonas Jägermeyr, <i>Columbia University</i> Randall Boone, <i>Colorado State University (virtual)</i>	KMIT Auditorium

Day 3: Thursday, April 3, 2025

08:00-08:30	Arrival & Registration <i>Light breakfast provided</i>	KMIT Lobby
08:30-09:00	AgMIP Feedback Drop-In <i>Discuss AgMIP Community feedback received at AgMIP</i> <i>Coordination poster</i> Chairs: AgMIP Executive Committee	KMIT Auditorium

Time	Session	Location
09:00-09:30	AgMIP and EAT-Lancet Plenary Chair: Laure Tall Mario Herrero, <i>Cornell University (Keynote)</i>	KMIT Auditorium
09:30-10:30	Session 5 Plenary: Climate Resilience for Food and Nutrition Security Co-Chairs: Laure Tall and Mario Herrero Tafadzwanashe Mabhaudhi, <i>LSHTM (Keynote)</i> Vimbayi Chimonyo, <i>CIMMYT</i> Pierre Martre, <i>INRAE</i> Kevin Karl, <i>Columbia University</i>	
10:30-10:45	Report Back from Day 2 Working Sessions	
10:45-11:00	Coffee Break & Posters	KMIT Lobby
11:00-12:30	Paper Presentation Sessions <i>What are the latest research results and key findings for applications?</i> Presentation details	
	PS9: Landscape-scale modeling and Crop losses <i>Co-Chairs: José M. Fernandes and Diego Pequeno</i>	VC09
	PS10: Developing crop and livestock model products for practical application <i>Chair: Ken Boote</i>	KM11A&B
	PS11: Science of calibration, configuration, and ensembles <i>Chair: Daniel Wallach</i>	KM10
	PS12: Projections of future crop productivity <i>Co-Chairs: Chenzhi Wang and Xuhui Wang</i>	KMIT Auditorium
	PS13: Food systems, nutrients, and health <i>Chair: Nathaniel Springer</i>	KMIT Open Area
12:30-14:00	Lunch (<i>Theme: Career Stages</i>)	Guest House Garden
14:00-15:00	Session 6 Plenary: Mitigation and Adaptation Co-Benefits and Life Cycle Analysis Chair: Hermann Lotze-Campen Sonali McDermid, <i>NYU (Keynote)</i> Yushu Xia, <i>Columbia University</i> Tek Sapkota, <i>CIMMYT</i> Pablo Manzano, <i>Basque Centre for Climate Change (virtual)</i>	KMIT Auditorium
15:00-15:30	Coffee Break & Posters	KMIT Lobby

Time	Session	Location
15:30-17:00	Radical Collaboration Sessions <i>What challenges need new partnerships in this area?</i> <i>How can we overcome barriers to progress?</i> <i>What new AgMIP activities are needed to enable progress?</i>	
	RCS1: Planetary boundaries, biodiversity, and water quality on agricultural landscapes <i>Co-Chairs: Tafadzwa Mabhaudhi and Kevin Karl</i>	VC09
	RCS2: Known unknowns in crop impact projections <i>Chair: Rogério de Souza Nória Júnior and Ignacio Pérez Domínguez</i>	KM11A&B
	RCS3: Agricultural adaptation and mitigation pathways and limitations <i>Co-Chairs: Florian Zabel and Jonas Jägermeyr</i>	KM10
	RCS4: Models as a tool for crop breeding <i>Co-Chairs: Matthew Reynolds and Wei Xiong</i>	KMIT Open Area
17:00-17:30	Final Plenary Wrap-up <i>Report Back from Radical Collaboration Sessions</i> <i>Reflections, Closing Remarks, and Way Forward</i>	KMIT Auditorium

Friday, April 4, 2025: Side Meetings

If you would like to attend a meeting, please contact the session Leader(s) for more information.

Time	Session	Leader Contact Info	Room
08:30-09:00	Arrival <i>Light breakfast provided</i>		KMIT Lobby
09:00-12:00	Modeling Territorial Socio-Ecosystems	v.chimonyo@cgiar.org	KM11A
	AgMIP Soybean	msalmeron@uky.edu	KM10
	Food System Emissions	kevin.karl@columbia.edu	VC09
	Rice Modeling for Mitigation and Adaptation	erik.mencos@columbia.edu	KM11B
	Impacts and Attribution of Excessive Rainfall and Drought: Maize Yield in Low-Input Smallholder Systems	gatien.falconnier@cirad.fr	N/A (Closed)

The AgMIP10 workshop agenda is subject to change.

