

AgMIP Overview



India



Zimbabwe



Tanzania



Cynthia Rosenzweig, James W. Jones, John Antle

AgMIP6 Global Workshop, Montpellier, France

June 28 – 30, 2016

Ag MIP6

Seeking Sustainable
Agricultural Solutions

GLOBAL WORKSHOP

JUNE 28-30, 2016 • LE CORUM • MONTPELLIER, FRANCE



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Provide effective science-based agricultural decision-making models and assessments of climate variability and change and sustainable farming systems to achieve local-to-global food security



Near Arusha, Tanzania *Ruane*



1st Global Oct 2010



2nd Global Oct 2011



4th Global Oct 2013



5th Global Feb 2015



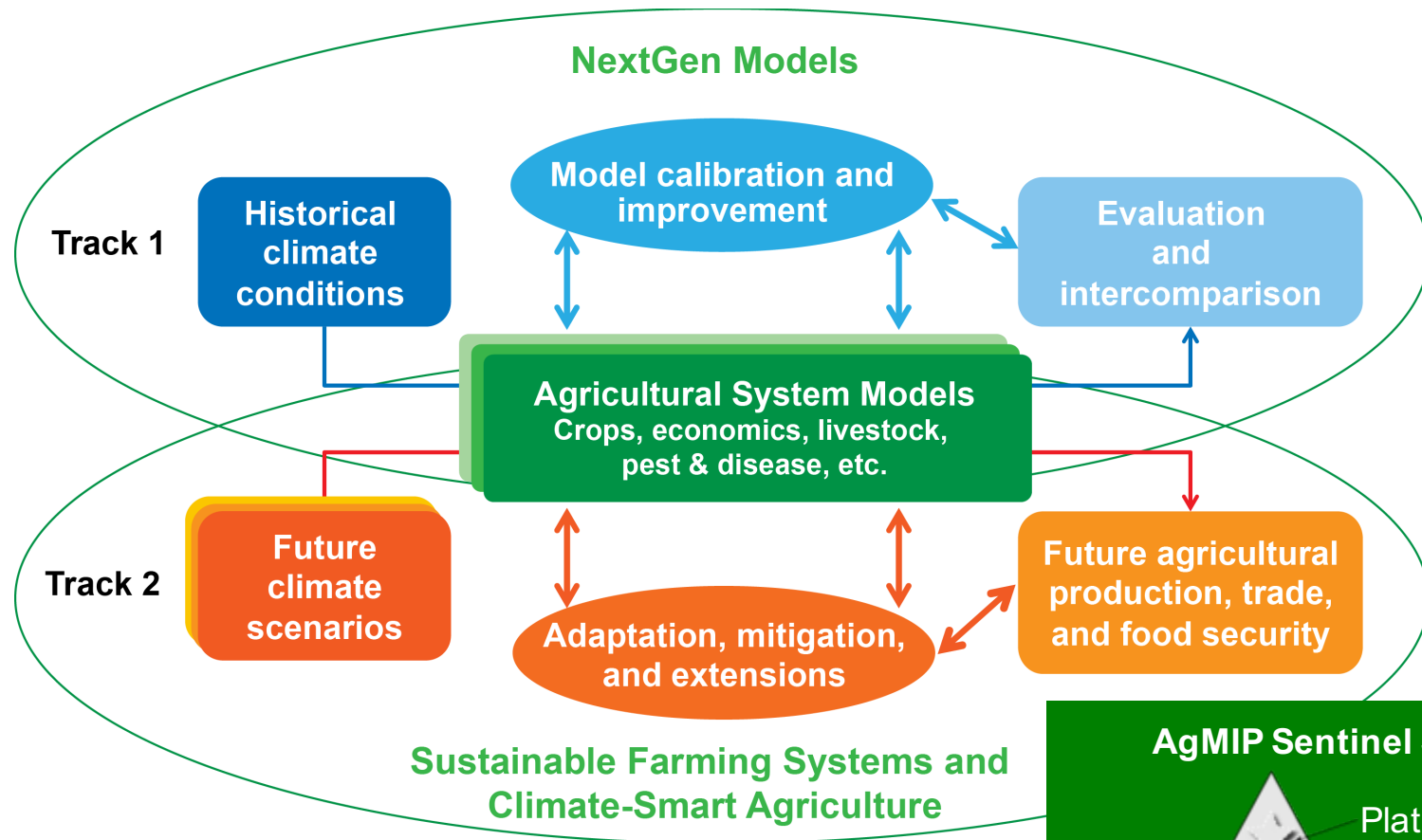
Sub-Saharan Africa #3



South Asia #3

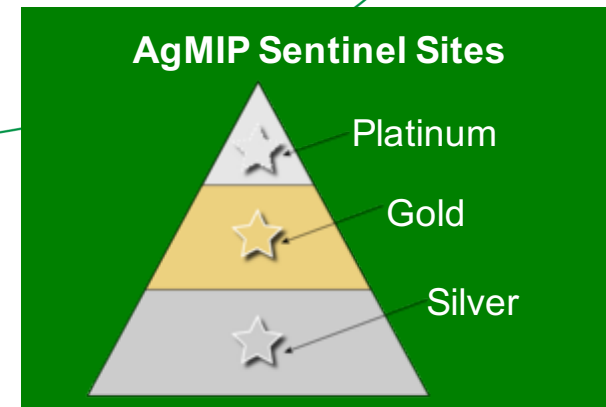


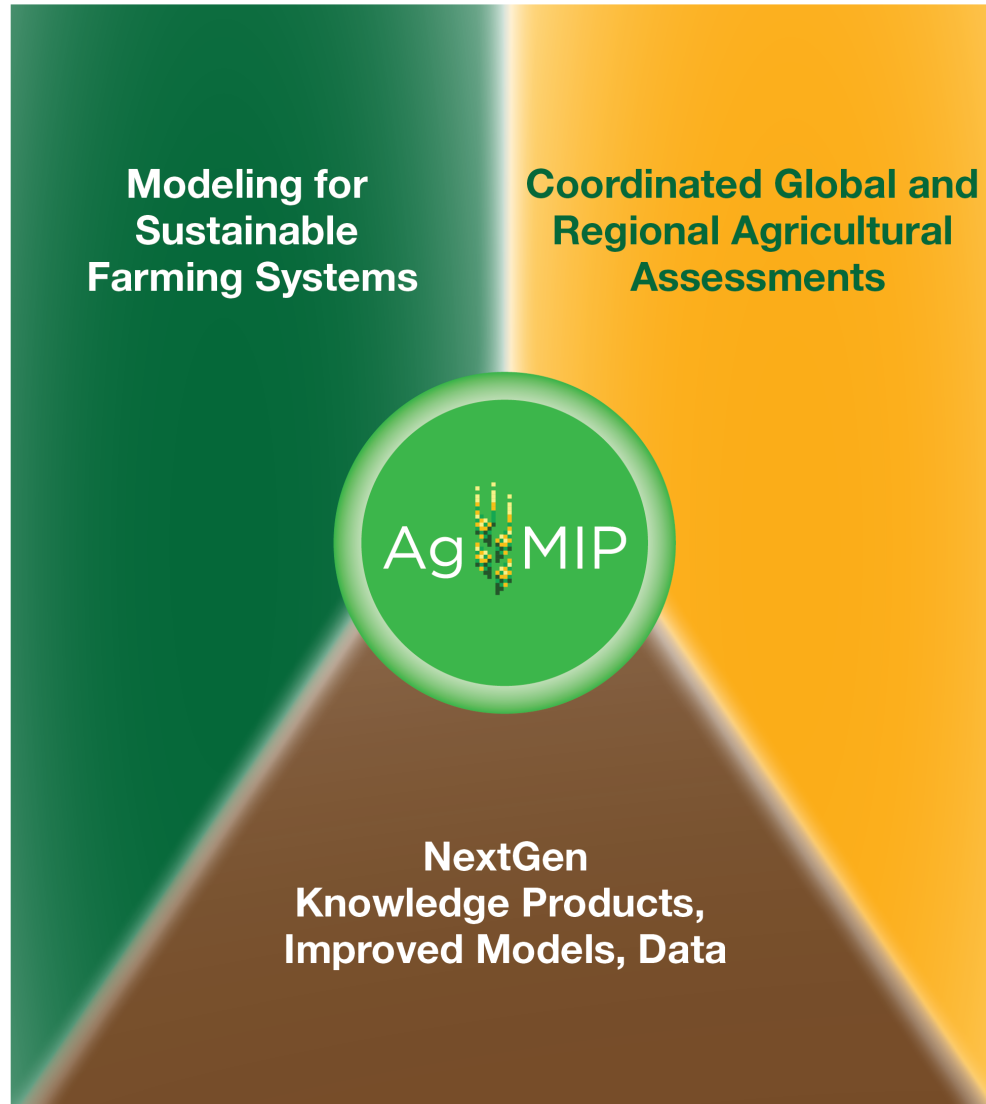
3rd Global Oct 2012



Track 1: Develop/Test NextGen Agricultural Systems Models

Track 2: Conduct Multi-Model Assessments for Sustainable Farming Systems and Climate-Smart Agriculture

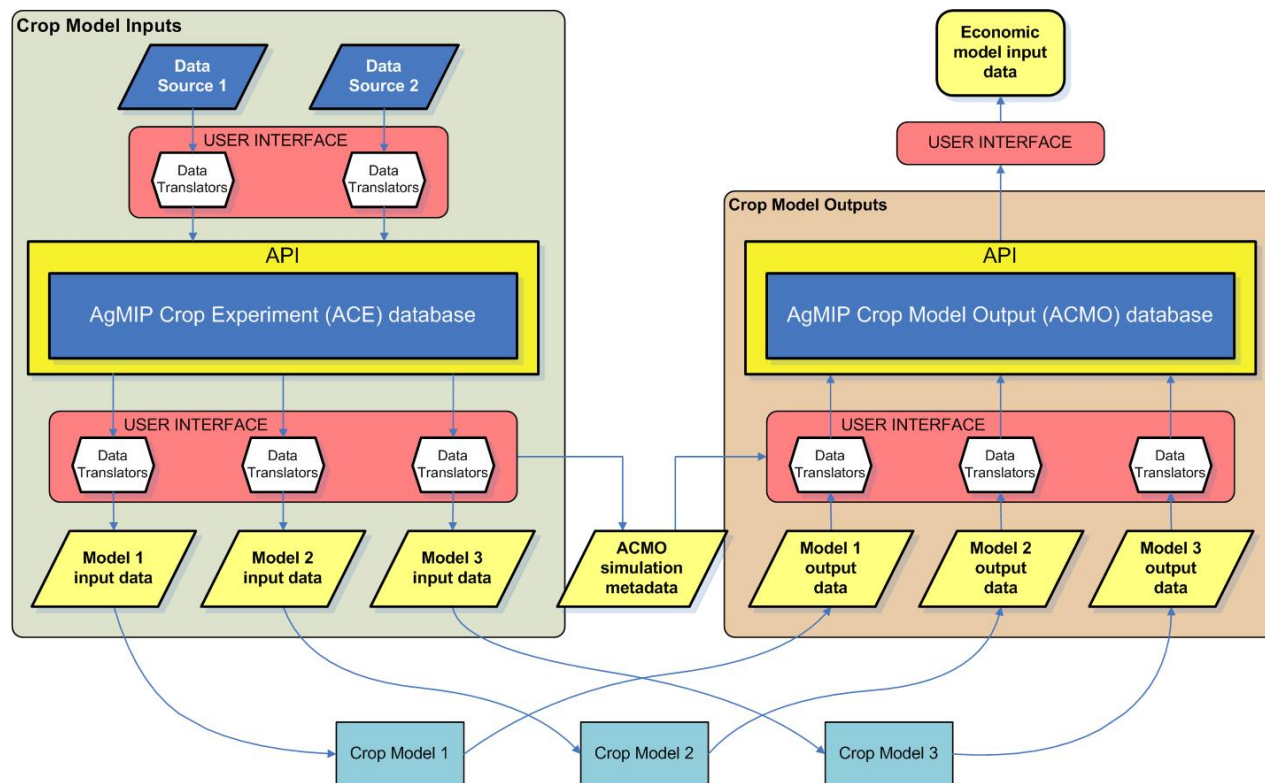




Next Generation Data, Models, and Tools




Ag Systems Special Issue with Gates Project Papers



ACE_ACMO_v1.1
Cheryl Porter
October 3, 2012


Data translation and harmonization



Impacts Explorer

[HOME](#)
[REGIONS](#)
[DATA EXPLORATION TOOL](#)
[BACKGROUND](#)
[SEARCH](#)

About the AgMIP Impacts Explorer



Climate change has great impact on the world food production.

The Impacts Explorer offers information on possible adaptations in agricultural practices for seven regions in Africa and South Asia. These are the results of the Agricultural Model Intercomparison and Improvement Project (AgMIP); an international effort to model the impacts of climate variability and change on food security.

The AgMIP Impacts Explorer site supports

1. Users with an interest in climate change adaptation in agriculture;
2. Professionals such as policy makers, who need information on adaptation strategies;
3. Professionals requiring research outcomes and interested in the AgMIP methodology.

What can you find on this site?

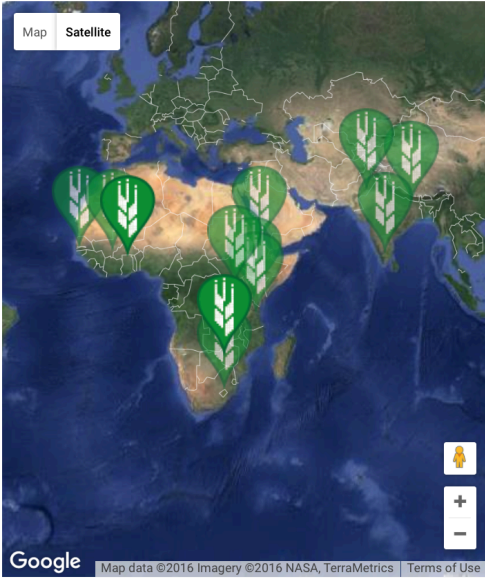
The Impacts Explorer presents results of regional studies into the effects of adaptation measures in agricultural practices. These include information on future climate change, effects on crops and livestock and on economic effects: income and expenditures. The

Search and Explore


To view results of regional case studies, select:

- a geographic location on the map below
- a [commodity](#) (rice, maize..)
- an [indicator](#) for climate, crop or economic factors

Select an icon on the map to access results of a research location.



Data Exploration Tool



The AgMIP Data Exploration Tool is an interactive tool for visualizing the model outcomes on climate, crops, livestock and economics in selected regions in Africa and Asia.

Are you new at this site? First select a region of your interest in the menu for an overview of the outcomes and a user-friendly entry to the Data Exploration Tool.

Modeling for Sustainable Farming Systems



- **Stakeholder driven** assessments of adaptation strategies
- **Phase 2 Workshops** held in Victoria Falls, Zimbabwe and Dakar Senegal
- **RRT Presentations** at FANRPAN Policy Dialogue meetings in Africa
- **Stakeholder Engagement (SE) Workshops** held in India and Kenya
- **All India RAPs** meeting held in Delhi May 2016
- **AgMIP Pakistan** National Program



Victoria Falls, Zimbabwe, June 2015



Climate Smart Agriculture – AgMIP leading Knowledge Action Subgroup on Integrated Planning and Monitoring



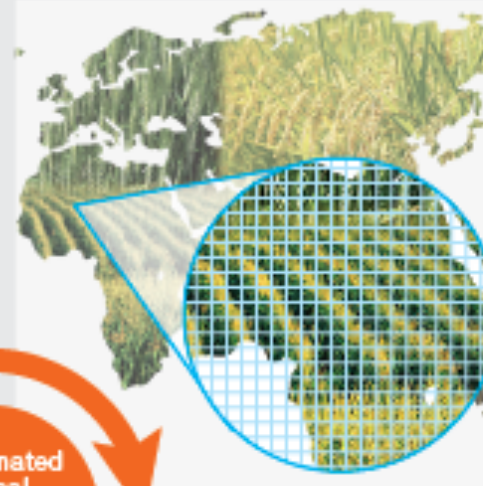
Coordinated Global and Regional Assessments



Building Blocks for Coordinated Global and Regional Assessments

Regional research

on farming systems using biophysical and socioeconomic models

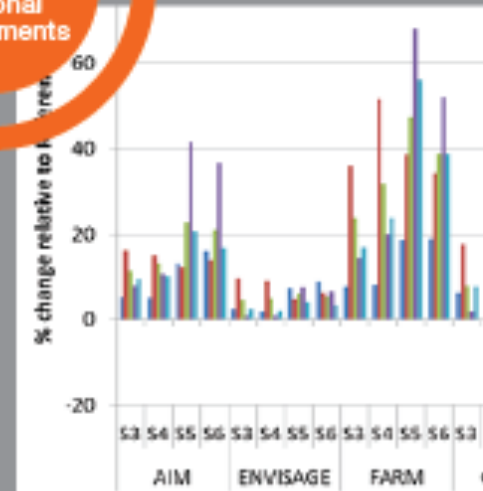
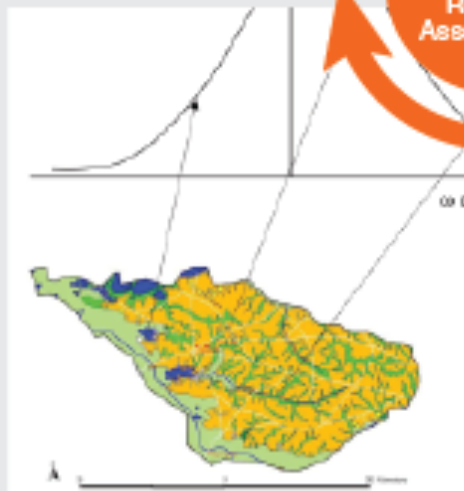


High-resolution gridded crop modeling for gap-filling and aggregation in each region

Coordinated Global and Regional Assessments

Production systems and regional economics

to respond to price changes

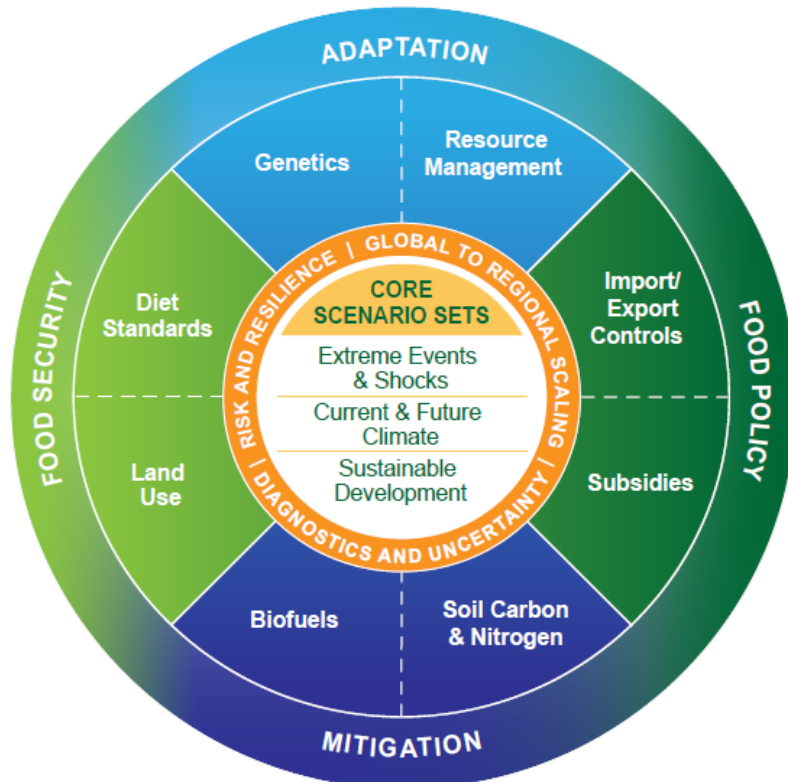


Global economics with analysis of world and regional prices

Coordinated Global and Regional Assessments Workshop

Aspen Global Change Institute

September 13-18, 2015



**Draft Protocols
for the
1.5°
Assessment**

To be posted by end
of AgMIP6



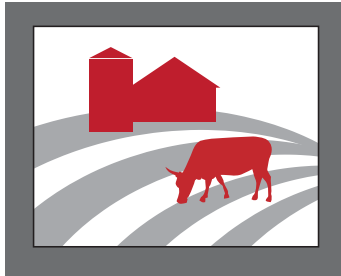
Workshop Goals

- Convene the agricultural systems modeling community and share latest findings, activities, and focus areas.
- Advance three major focus area – Next Generation Knowledge, Data and Tools; Coordinated Global and Regional Assessment; and Modeling for Sustainable Farming Systems.
- Plan AgMIP activities and outputs for the years ahead.

Tuesday June 28	
Welcome Plenary	Welcome from Partners and AgMIP Steering Council Co-Chairs
Morning Plenary	Keynote and Panel Discussion – Coordinated Global and Regional Assessments (CGRA)
Lunch	<i>Buffet Lunch - self organized groups</i>
Parallel Sessions 1.1 – 1.4	Four concurrent sessions organized by topic area based on abstract submissions. Each Session will feature 15 min oral presentations.
Parallel Sessions 1.5 – 1.8	Four concurrent sessions organized by topic area based on abstract submissions. Each Session will feature 15 min oral presentations.
Afternoon Plenary	Presentations and Panel Discussion – Co-Developed Research with Stakeholders
Reception 6:00 – 8:00	Poster Session and Evening Reception

Wednesday June 29	
Morning Plenary 1	Keynote and Panel Discussion – Modeling for Sustainable Farming Systems
Morning Plenary 2	Keynote and Panel Discussion – Next-generation Tools and Open Data
Parallel Sessions 2.1 – 2.4	Four concurrent sessions organized by topic area based on abstract submissions. Each Session will feature 15 min oral presentations.
Lunch	<i>Buffet Lunch - self organized groups</i>
Parallel Session 2.5 – 2.8	Four concurrent sessions organized by topic area based on abstract submissions. Each Session will feature 15 min oral presentations.
Afternoon Plenary	Panel Discussion: Toward multi-national collaborative frameworks to enable coordinated global and regional assessments
Poster Session	Poster viewing with beverage refreshment

Thursday June 30	
Morning Plenary	Observations and Recommendations in Planning – perspectives from AgMIP Steering Council Co-Chairs, panel discussion and responses AgMIP PIs
Regional Breakouts	Regional Breakout Groups
Lunch	<i>Buffet Lunch - self organized groups</i>
Team Breakouts	Working Team Breakouts and Planning Groups
Afternoon Plenary	Report Backs, Synthesis and Wrap-up
Friday July 1	All-Day: Post-workshop side events and meetings contact info@agmip.org

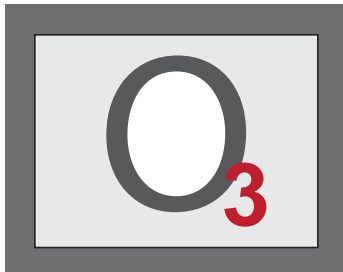


Thursday 2:00 – 4:00
**4.7 Crop Modeling of Low-Input
Smallholder System**
Leader: Marc Corbeels



Wednesday 11:00 – 12:30
Session 2.2 - Nutrition and Food Security
Chair: Jessica Fanzo

Thursday 2:00 – 4:00
4.8 Sustainable Nutrition Security
Leaders: Jessica Fanzo, Adam Drenowski, and
Dave Gustafson



Friday 2:00 – 6:00 SupAgro Campus
Ozone Modeling Side Session
Leaders: Frank Dentener, Frank Ewert,
Lisa Emberson, Maurits van den Berg