Permeable GGCMI: plans and options for integration

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AgMIP

AgMIP wheat, maize

Fast track:
• Future projections

GGCMI

Ag. Econ. & ERL

AgMIP wheat

PNAS + some others

Glob econ

Public archives
• ISI-MIP
• geohub

ISI-MIP
AgMIP

Open-source processing standard benchmarking

AgMIP

wheat, maize

GGCMI

Phase 1: historic evaluation

protocol + many

Challenges:
- Reference data => regions
- Management data => regions
- Appropriate scale?
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C3MP

Phase 2:
- CTWN-A
- Regions
- 1500 sim

GGCMI

emulators

Glob econ

2nd tier crops

Challenges:
- Emulators?
- Loose ends
- Improvement & re-evaluation

Major understanding improvement & data

radiation

soils

improvement & data
AgMIP

Glob econ

AgMIP wheat, maize

GGCMI

Phase 3:
• GeoMIP
• Future projections

Challenges:
• Consistency => regions
• Consistency => economists
• Appropriate driver data
• Transfer of improvements
Vision for future integration

- GGCMI
- Ag-MIP
- GeoMIP
- Glob. Econ
- ISI-MIP
- S-Asia pilot
- CGRA
- AgMIP wheat
Vision for future integration

Point CM
Regional Weather Managem.
Reference

Glob. Econ
ISI-MIP
CGRA
S-Asia pilot
GeoMIP
AgMIP wheat
• We offer
  – Global 0.5° time series (seasonal), complete coverage
    • Yield, water requirements, biomass, fertilizer use,...
    – Including “uncertainty” estimates
  – Data processing power
• We need
  – Data partners (input, evaluation): Regions!
  – Model development partners: wheat, maize, rice, others!
  – Contributors, analysts
Come and join.

Thanks.