

Session 4.5 Workgroup Break out **Crop Model Intercomparison and Improvement**



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Crops

- Wheat
- Maize
- Rice
- Potato
- Canola
- Crop-water-ET
- *Sorghum-millet*
- *Peanut/groundnut*
- *Sugarcane*
- *Biofuels*

Related teams

- Scaling
- Livestock and grasslands
- Soils and rotations
- Pests and diseases

New

- *Low-input smallholder systems*
- *Nutrition*
- *Ozone*
- *Model calibration*

For the coming year...	Wheat	Maize	Rice	Potato	Canola
Themes	Improvement	Improvement	Improvement	Improvement	Intercomparison
Activities	<ul style="list-style-type: none"> 🎬 Temp responses 🎬 Point v gridded model 🎬 Single v multi model 🎬 N mineralization 🎬 Canopy temp 	<ul style="list-style-type: none"> 🎬 ET 🎬 Looking to the 3rd Phase 	<ul style="list-style-type: none"> 🎬 CO₂ responses 🎬 Gene-base modeling of phenology 🎬 Looking to the 3rd Phase 	<ul style="list-style-type: none"> 🎬 Develop plans for improving models 	<ul style="list-style-type: none"> 🎬 Analyzing Phase 1 results 🎬 Thinking what next: Temp (learnings from wheat?), N modelling, CO₂
Publications	<ul style="list-style-type: none"> 🎬 Model improvement on temperature 🎬 N mialization 	<ul style="list-style-type: none"> 🎬 CO₂ responses 	<ul style="list-style-type: none"> 🎬 CO₂ responses (?) 	<ul style="list-style-type: none"> 🎬 Complete GCB paper on Phase 1 	<ul style="list-style-type: none"> 🎬 Phase 1 results

CGRA support:

- 🎬 All groups: Network of people and sites. Help on parameterising varieties and soils. Some improved models available. Can provide information on 1.5oC.
- 🎬 Wheat: Global network of 60 sites.