

**Table S1: Outline of the CIMMYT research workshops**

<b>Research workshops</b>	<b>Date</b>	<b>Goals</b>	<b>Presenters/facilitators</b>	<b>Participant information</b>	<b>Key contributions</b>
1. Value-Ag	13/11/19 5/12/19	Seminar and workshop to present/discuss CSIRO toolbox for rapid ex-ante evaluation of agricultural innovations in smallholder systems	M. Monjardino	Approx. 15 participants, incl., systems agronomists, agric. economists, data managers/analysts, statisticians, research directors	Discussions around: 1. Value-Ag potential for application to a CIMMYT-promoted technology e.g. CA; 2. MasAgro data for possible use in economic modelling
2. Ex-ante impact	7/12/19	Evaluation gap: ex-ante impact assessment tools and pathways for CIMMYT/ MasAgro technology and CSIRO impact	G. Kruseman (IMPACT, GAMS, TOA-MD) K. Mottaleb (TOA-MD) S. L. Ridaura (FARMDESIGN) M. Monjardino (Value-Ag)	Approx. 10 participants, incl. agric. economists, agronomists, data managers/analysts (mix of ongoing and casual contributors)	Description and comparison of tools and applications; discussion of strengths and weaknesses of various approaches
3. Case-study development	16/01/20	Scenario design, data collection, IAT simulation	M. Monjardino	10-15 participants – including collaboration team on an ongoing basis (including via videolink from Guanajuato) and various specialists (e.g. database, maize, livestock, labour, machinery) on a casual basis	Joint effort to select technology and case-study region, assess data availability/ suitability, and populate/calibrate whole-farm simulation model
4. Adoption	24/1/20	Detailed description of Smallholder ADOPT, generation of adoption curves	M. Monjardino	8-10 participants - collaboration team on an ongoing basis	Joint effort to generate adoption curves for the various CA scenarios