CAIGE Suite of Projects Coordination

S Micallef

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March 2014

THE UNIVERSITY OF SYDNEY

GRDC Grains Research & Development Corporation

CIMMYT

ICARDA

CAIGE Process Flow

	2014 shipment	2013 shipment		2012 shipment	
	Imported	Imported	Selected (yield trials)	Imported	Selected (yield trials)
CIMMYT	200 (ZWB14)	339 (ZWB13)	96	380 (ZWB12 & ZWW12)	73
BREEDERS SEL		446 (ZVS13)			
ICARDA	150 (ZIF14)	160 (ZIZ13)	146	124 (ZIZ12)	122
RAJARAM LINES	58				
DURUM	169 (ZDK13)				
BARLEY	242				
CHICKPEAS	164				
Total	***883***	***945***	***242***	***504***	***195***

Received	Nov 2013	Dec 2012	Dec 2011
Quarantined	Current	Yes	Yes
Seed Increase	2014	2013	2012
Rust screening	2014	2013 (data available)	2012 (data available)
Yield Trials	2015	2014	2013 (data available)
Disease screening	2016	2015	2014

Seed Increase 2013

- Seed increase for 2013 shipment
  - Late release from quarantine
  - ICARDA lines multiplied in Narrabri
  - CIMMYT lines multiplied in Canberra (considerable bird damage)
  - Breeder selections (average 450g per line), available for distribution

- Yield Trials for 2014

	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7
No of lines from ICARDA	**146**	**141**	**129**	**110**	**88**	**62**	**40**
no of lines from CIMMYT	**96**	**92**	**81**	**76**	**71**	**65**	**60**
no of checks	**14**	**14**	**14**	**14**	**14**	**14**	**14**
total no of lines	**256**	**247**	**224**	**200**	**173**	**141**	**114**
no of plots	**349**	**330**	**287**	**255**	**222**	**180**	**149**

CAIGE Yield Trials 2013

CAIGE Yield Trials 2013

- 132 to 195 entries
- 4 organisations
- 7 locations
  - Narrabri
  - Edgeroi
  - Junee
  - Balaklava
  - Roseworthy
  - Toodyay
  - Mukinbudin

Disease Screening 2013

- 2013 shipment
  - Stem, Stripe and Leaf Rust - 583 Lines
- 2011 shipment
  - Septoria Tritici Blotch – 116 lines
  - Crown Rot – 116 lines
  - Yellow leaf Spot, Stripe and leaf rust – 116 lines
  - ToxA / Tox 1/ Tox 3 – 116 lines
  - Stagonospora Nodorum Blotch – 45 lines
- Soil Borne Pathogen nurseries
  - ToxA / Tox 1/ Tox 3 - 55 lines
  - Stagonospora Nodorum Blotch - 75 lines
  - LMA – 75 lines

Breeder visits

- ICARDA - March 2013
  - ***Trip cancelled***
- CIMMYT - March 2014
  - 5 breeders,1 pre-breeder
  - CAIGE leader & coordinator
  - Borlaug 100 Summit
  - Australian breeders to make selections in field
- ICARDA - April 2014
  - 2 Barley breeders, 2 pre-breeders
  - Barley leader, Wheat leader
  - Visit Morocco stations (Rabat, Casablanca)

Annual Meetings & Steering Committee

- Annual meeting – 20th March 2013
- Steering Committee meetings
  - March 22nd 2013, DAFWA Perth
    - Representatives from ICARDA, CIMMYT-Turkey, CIMMYT (via teleconference)
  - October 14th 2013, Narrabri
    - ICARDA breeder
    - Australian breeder
    - AWCC representative
    - Barley project representative
  - Next meeting at CIMMYT March 25th 2014

NEW addition …… CAIGE Working group

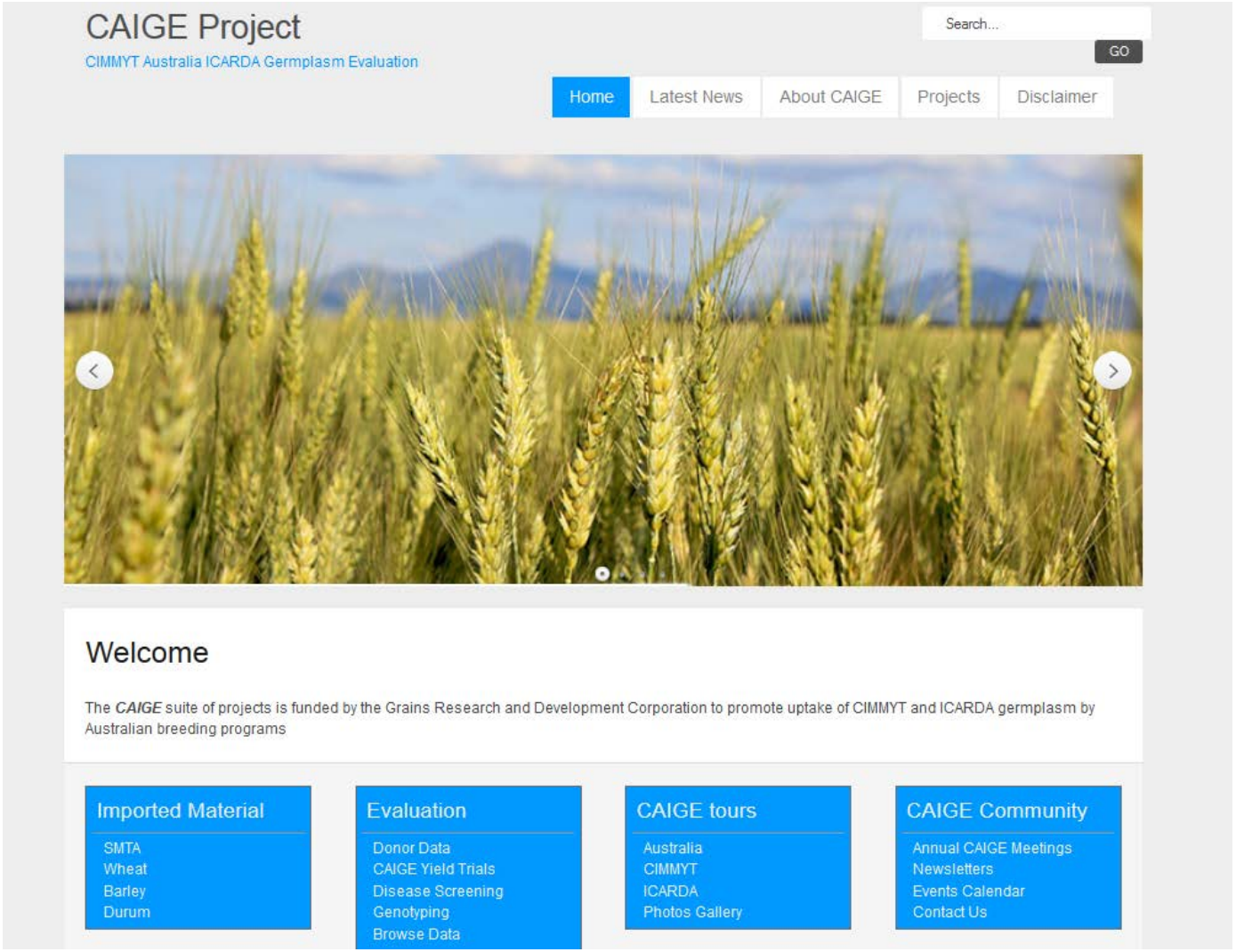
- Expansion of CAIGE activities, more effort to coordinate
- Established a working group to meet on a monthly basis, in person or through online conference mean
- To discuss progress on milestones and improve communication between projects
- Members of group
  - Leaders of the main projects (wheat, barley, durums, quarantine, FIGS)
  - CAIGE coordinator
  - GRDC

Barley Meeting

- **Barley project**
  - 1st meeting held in September 2013 in Melbourne
  - Representatives from
    - UQ
    - ICARDA
    - GRDC
    - AWCC
    - NSW DPI
    - SARDI
    - INTERGRAIN
    - DAFF QLD
    - QAFFI
    - Uni of ADELAIDE

Communication

- **CAIGE website**
  - New look site
  - Easier navigation
- **Newsletters**
  - Monthly
  - Distributed to more than 260 persons



Thank you

Thank you to **all**

- Project leaders
- Breeders
- Pre-breeders
- Collaborators

for their continuous support and data they send us