CAIGE Suite of projects

Project Coordination
Data Management

Presented by
Sandra Micallef

THE UNIVERSITY OF SYDNEY

2014 CAIGE activities

Seed movement

- Importation, distribution
- Evaluation (yield trials, disease screening)

Data management

Breeder visit to CIMMYT

Breeder tour of CAIGE trials

Meetings

Newsletters

Website management

Seed movement in 2014

	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 & 2014** ✓	2012 (data available)
Yield Trials	2015	2014	2013 (data available)
Disease screening	2016	2015	**2014** ✓

Disease screening in 2014

2012 shipment (Wheat)

- **Septoria Tritici Blotch –** NSW DPI Tamworth
- **Yellow Spot** – DPI VIC, Horsham
- **Crown Rot** – PBI Cobbitty
- **Yellow Spot** – DAFWA Perth

2013 shipment (Wheat including Durum)

- **Stripe, Leaf and Stem Rust –** PBI Cobbitty

2014 shipment

- **Stripe, Leaf and Stem Rust –** PBI Cobbitty (Wheat)
- **Leaf rust, Net blotch (spot form, net form), powdery mildew** – DAFF QLD Warwick (Barley)

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Yield Trials	2015	**2014** ✓	2013 (data available)
Disease screening	2016	2015	**2014** ✓

Yield Trials in 2014

6 trials, partially replicated

- **147 ICARDA lines + 1 check**
- **95 CIMMYT lines + 2 checks**
- **11 Australian checks**
- **Locations**
  - Narrabri, Junee (NSW)
  - Kalkee (VIC)
  - Roseworthy (SA)
  - Toodyay, Mukinbudin (WA)

Seed from Narrabri trial to be screened for disease in 2015

- Seed available for distribution

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Disease screening	2016	2015	**2014** ✓

Seed increase in 2014

- Very successful increase in Narrabri under weather-proof tent
- Ample amounts of seed for multiple partially replicated trials

	Site1	Site2	Site3	Site4	Site5	Site6	Site7	Site8	Site9	Site10
ICARDA LINES	122	122	122	122	121	120	119	118	118	115
CIMMYT LINES	173	173	173	173	172	172	171	166	156	148
CHECKS	14	14	14	14	14	14	14	14	14	14
TOTAL NUMBER OF LINES	309	309	309	309	307	306	304	298	288	277
TOTAL NUMBER OF PLOTS	573	553	534	514	495	483	462	439	417	393

To be decided during discussion

- Suitable number of lines/plots in trials
- Locations for trials

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All data received is available on the CAIGE website

For material imported under CAIGE project

- Yield trials
- Disease screening
- Donor data (from CIMMYT & ICARDA)
- Inclusion of Barley, Durums and Chickpeas

For other projects under CAIGE umbrella

- Crown Rot Initiative (SARDI, USyd, UQ, DAFFQ)
- Soil Borne Pathogens (CIMMYT-Turkey)
- Crown Rot resistance in Durum (USQ)
- FIGS project (ICARDA)

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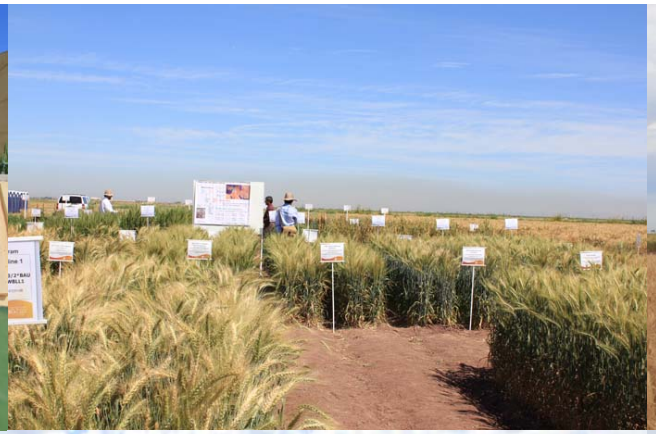
Breeder visit to CIMMYT

- Dr Meiqin Lu (Wheat Breeder, AGT)
- Dr Ian Edwards (Wheat Breeder, EdStar Genetics)
- Dr Dan Mullan (Wheat Breeder, Intergrain)
- Dr Allan Rattey (Wheat Breeder, Advantage Wheats)
- Dr Anke Martin (Microbiologist, University of Southern Queensland)



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Breeder tour of CAIGE trials 2014

Breeders visiting

- Ravi Singh (CIMMYT)
- Tadesse Wuletaw (ICARDA)

Visits to

- AGG
- Bayer Crop Science

In 2015

- Tour to be held after IWC
- International visitors will be invited to join the tour

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Annual meetings for stakeholders

Steering committee meetings

- CAIGE project management team
- GRDC representative
- ICARDA breeder
- CIMMYT breeder
- Australian breeder

Working Group meetings

- meet every month to discuss ongoing day-to-day issues
- Held online / phone conference
- CAIGE project management team
- Quarantine official
- AGG official
- Other individuals involved in the matters being discussed

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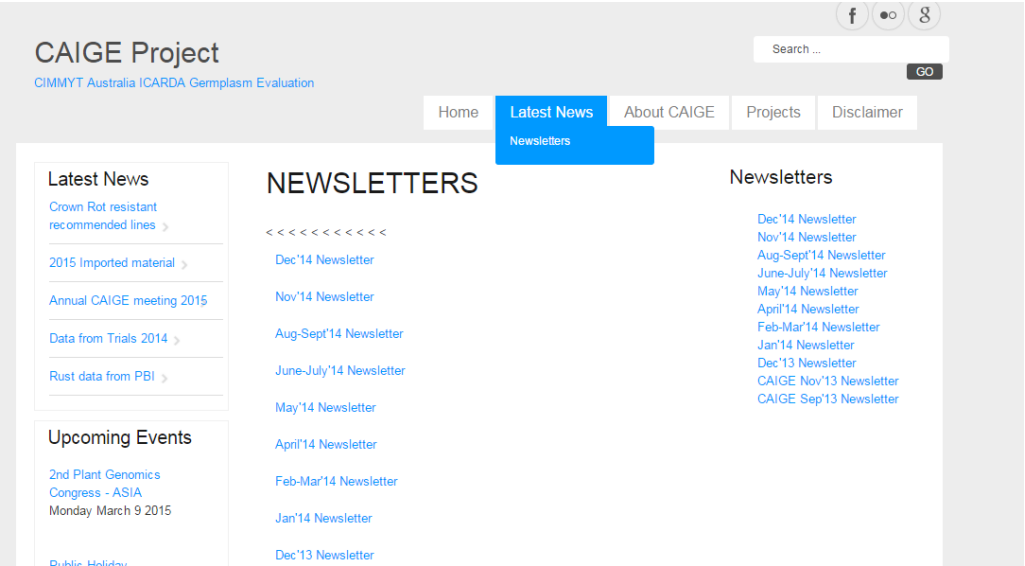
Newsletters

- Issued monthly
- Covers news and notices from CAIGE project and also from any other project under the CAIGE umbrella
- Distributed by email and online
- Email list of 260 addresses



CIMMYT- Australia - ICARDA Germplasm Evaluation

CAIGE Project Newsletter

CIMMYT- Australia - ICARDA Germplasm Evaluation

February 2015

Dear CAIGE colleagues,

2015 is here and it has certainly started with a hectic schedule for us here at CAIGE. Before we know it, it is already the end of February and realized we missed the January issue!

In the past weeks, we have updated the website with all the data collected from yield trials and disease screening in 2014. A list of all the data is included in this newsletter.

A couple of important events in the CAIGE calendar are coming up in the next few weeks.

The first is the Annual CAIGE meeting which will be held in Adelaide on 12th March. You will find the meeting program and a list of speakers in this issue.

The other event is the Australian Breeders' visit to ICARDA in Morocco and to CIMMYT in Turkey. Keep reading to know all the details of this trip, for which a record number of participants are joining us.

There will also be a dinner which is being organized on the evening before the CAIGE meeting (ie 11th March). This dinner will take place at the Arkaba hotel and we hope to catch up with some of you over a nice meal (where we do not have to talk about work!).

Enjoy reading the rest of the news ..... and the most loved column of all is back by popular request! Yes the jokes are back! So check out the "Laughter" section at the end of this newsletter!

Ciao for now!

Sandra Micallef

Coordinator and Data Administrator CAIGE Project

IN THIS ISSUE

- ANNUAL CAIGE MEETING 2015
- CAIGE BARLEY PRESENTATIONS
- DISCUSSION AT CAIGE MEETING
- NEW DATA ON CAIGE WEBSITE
- BREEDERS VISIT TO ICARDA 2015
- MATERIAL IMPORTED IN 2015
- MATERIAL FOR DISTRIBUTION
- CAIGE WEBSITE STATISTICS

EVENTS

- *CAIGE Annual Meeting Adelaide, 12 March 2015*
- *National Barley Foliar Pathogens Meeting Adelaide, 12 March 2015*
- *CAIGE Breeders Tour to ICARDA and CIMMYT-Turkey 22nd April—4th May 2015*
- *17th Australian Barley Technical Symposium Sydney 13-16 September 2015*
- *BGRI— Sydney 17-20 September 2015*
- *9th International Wheat Conference Sydney, Australia 20-25 September 2015*

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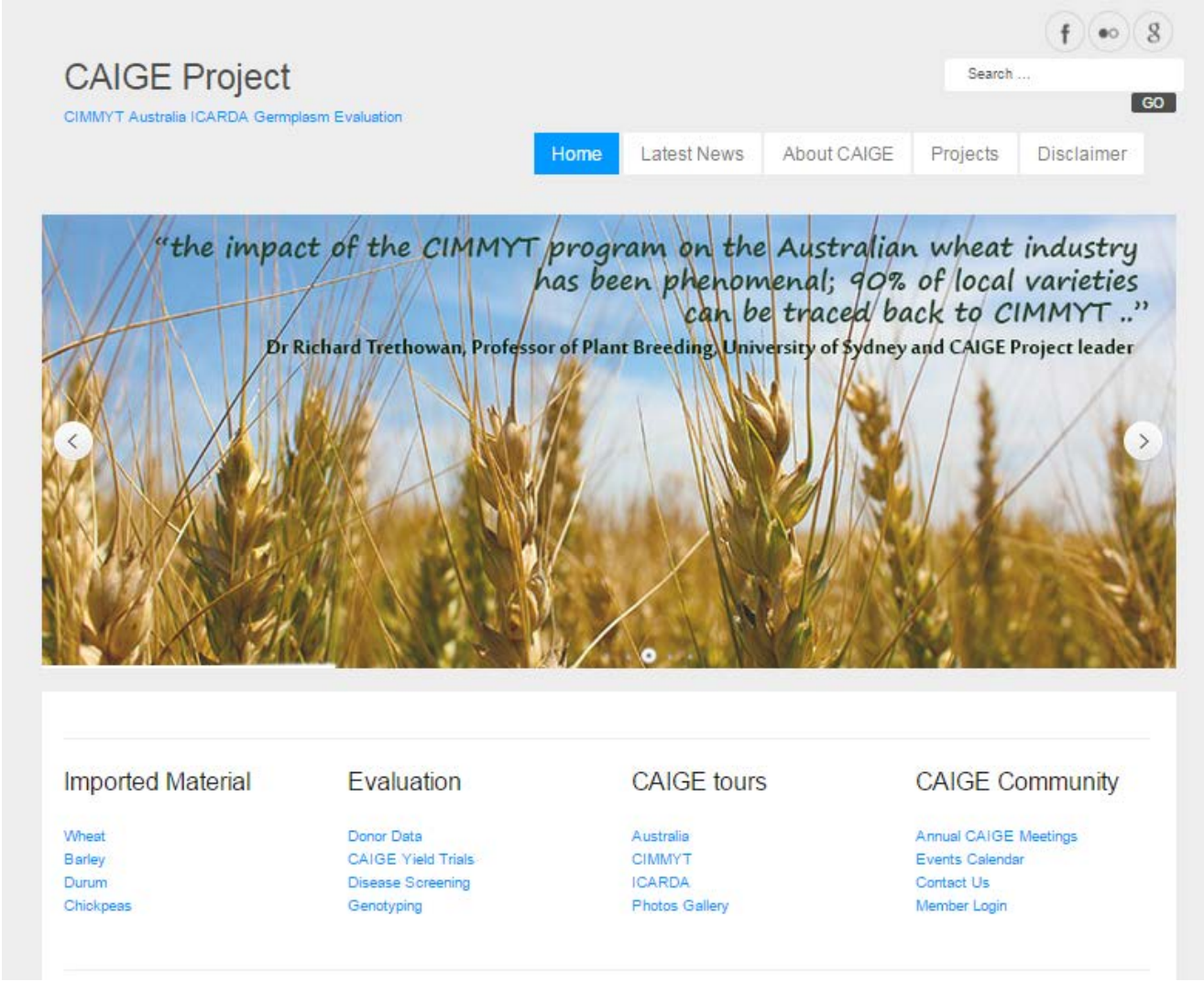
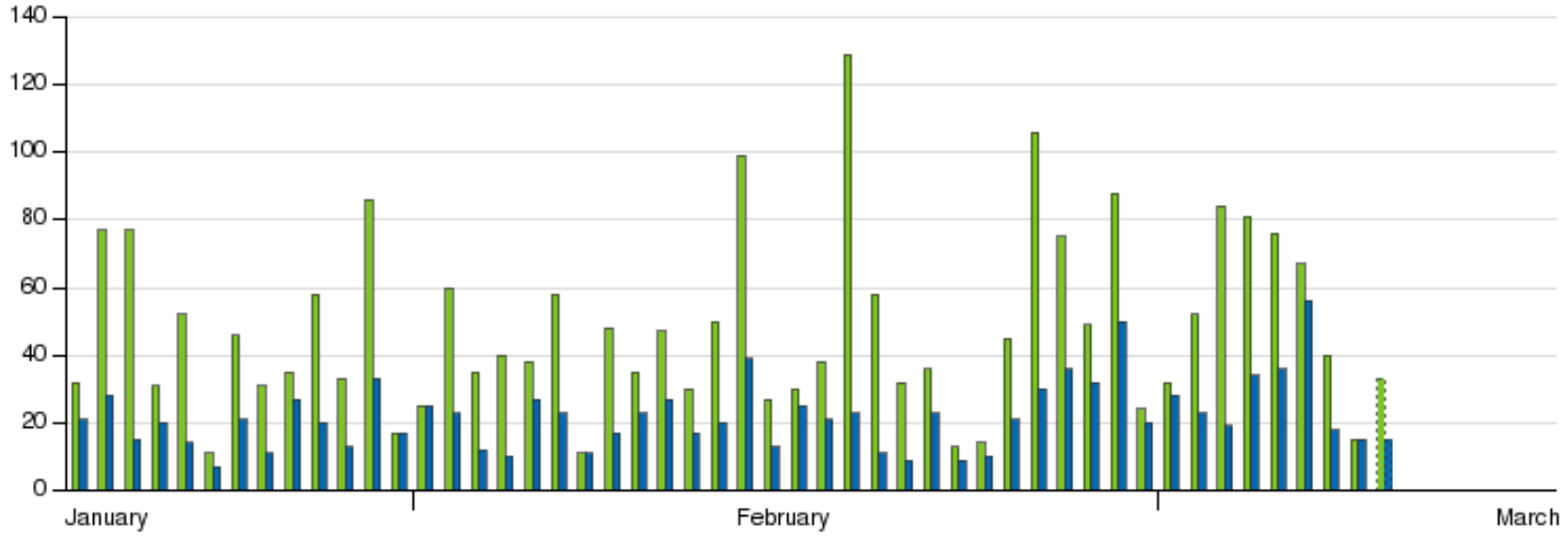
Website management -http://caigeproject.org.au

- Latest issues were due to hacking on website
- Constant updates of software
- Amount of data increasing substantially each year
- Need to 'redesign' how all the information connects together
- Website statistics published in newsletter



Website management -http://caigeproject.org.au



- Graph shows number of visitors (blue) and number of pages accessed (green)
- Map shows location of visitors from last 10 days only

Thank you

To all our collaborators	
University of Sydney	University of Queensland
University of Southern Qld	University of Adelaide
Curtin University	University of Wollongong
AGT	DAFWA
Longreach Plant Breeders	DPI VIC
Intergrain	DPI NSW
Edstar Genetics	DAFF QLD
Advantage Wheats	SARDI
Bayer Crop Science	CIMMYT
DAFWA	CIMMYT-TURKEY
DOW Agroscience	ICARDA