

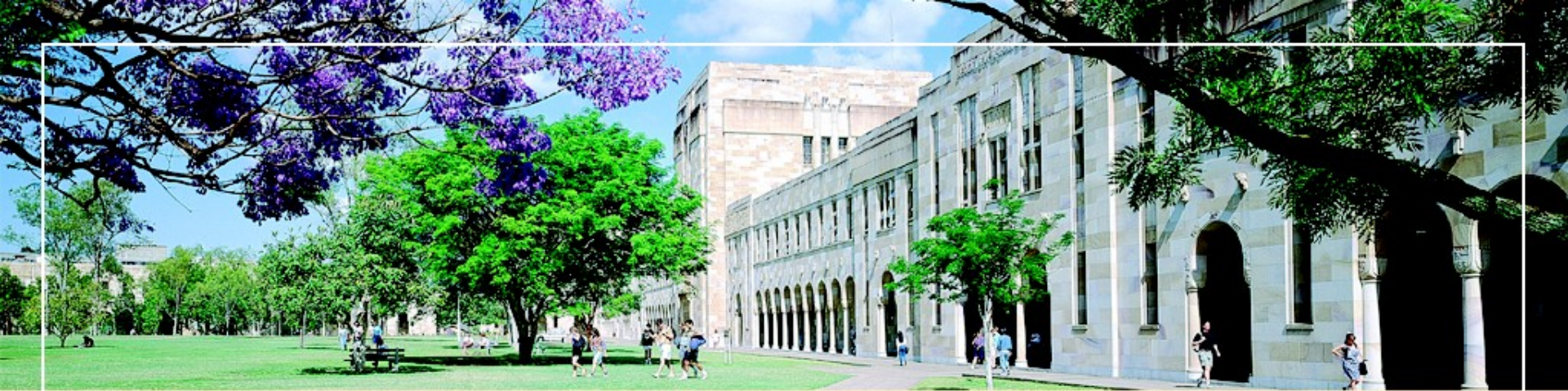
Activity Report

Plant Improvement Group
The University of Queensland

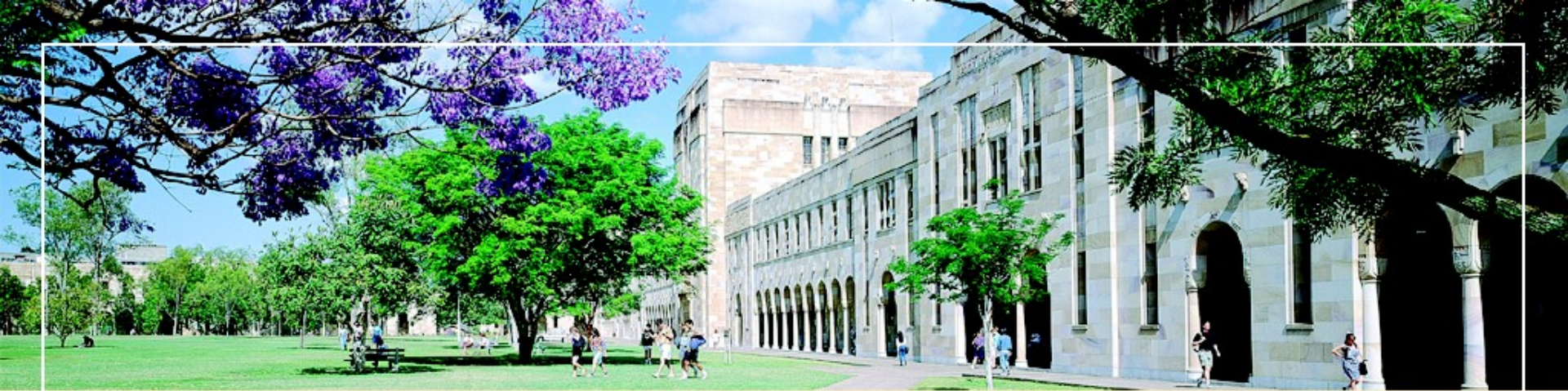
Sandra Micallef

ICIS 2006



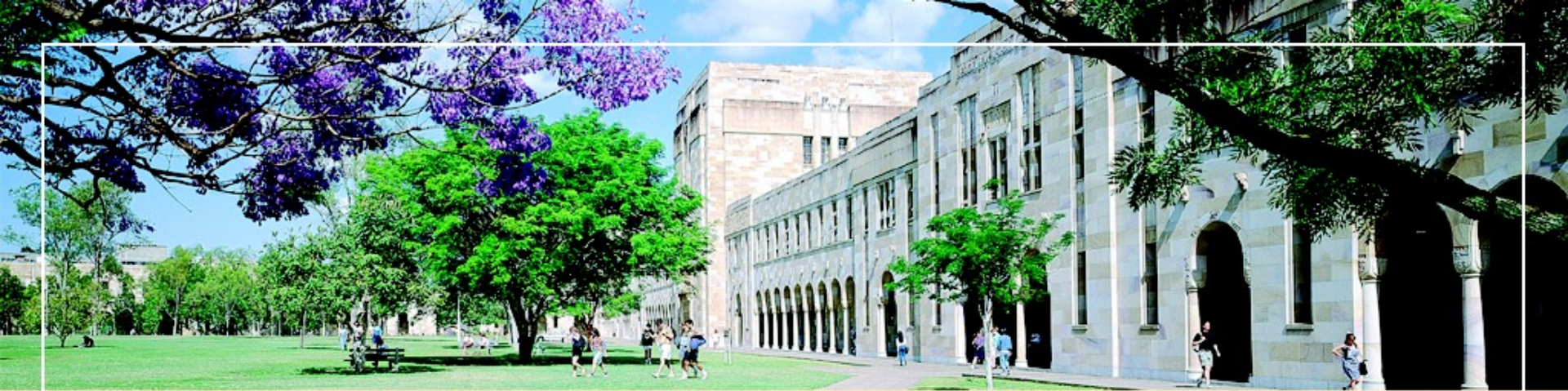


- GWIS (wheat) central database administration
- Updates distribution among Australian and international institutions
- Web interface for GWIS
- Public access and password protected
<http://gwis.lafs.uq.edu.au>



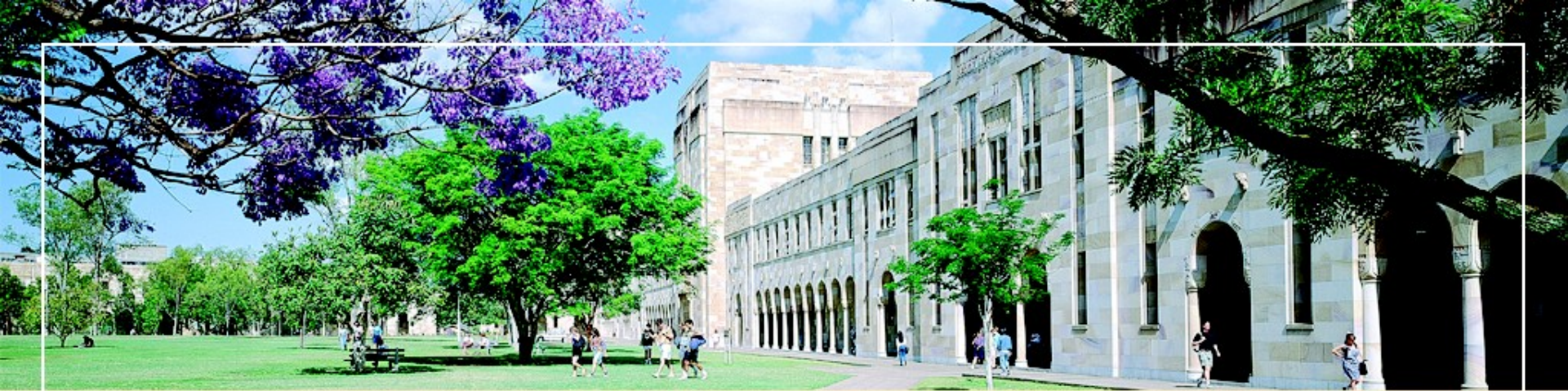
- Updated 1500 Australian historical wheat pedigrees
- Durum and bread wheat Canadian pedigrees





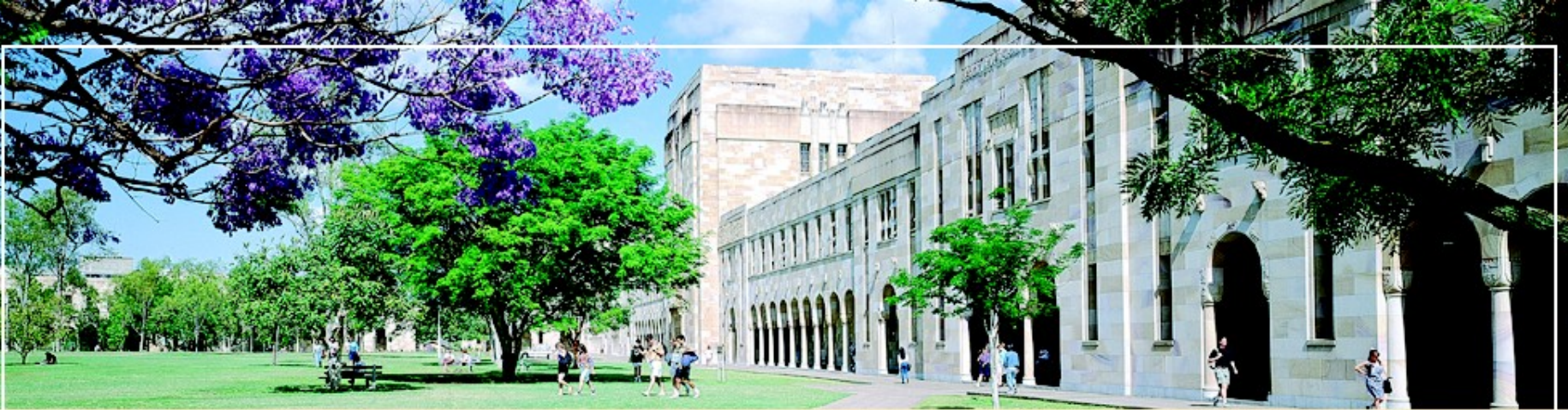
CAGE – CIMMYT Australian Germplasm Evaluation

- Funded by GRDC
- Promote uptake of CIMMYT germplasm by Australian breeding programs
- Projects include:
 - Germplasm evaluation
 - Synthetics evaluation
 - International Adaptation Trials
 - International Rust Disease Resistance Nursery



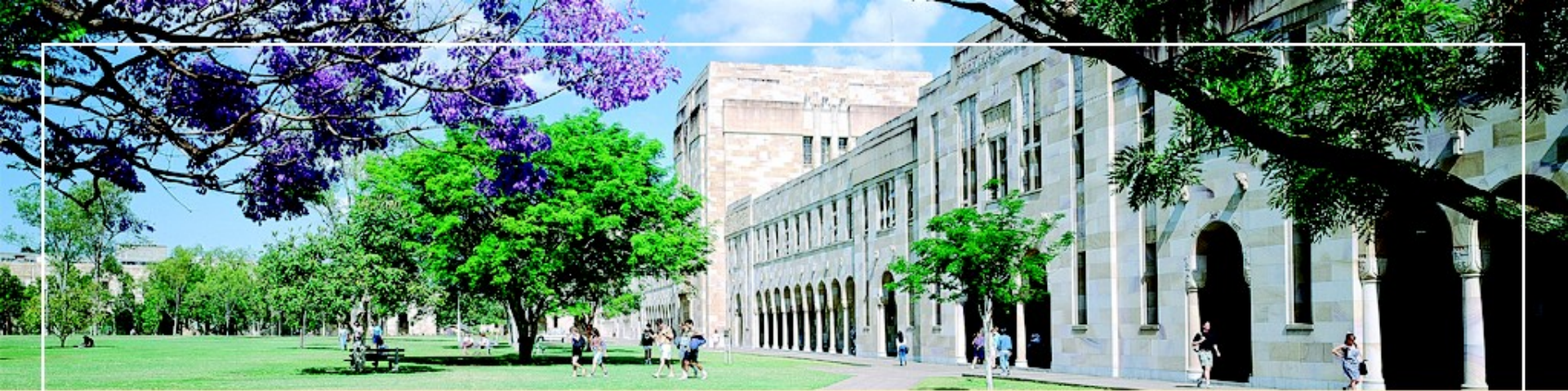
CAGE – CIMMYT Australian Germplasm Evaluation

- UQ responsible for databasing project
- Collate data from all other projects and use ICIS for data management
- Spreadsheet templates for users
- Data will be available on a website, with password protection



GENICA project

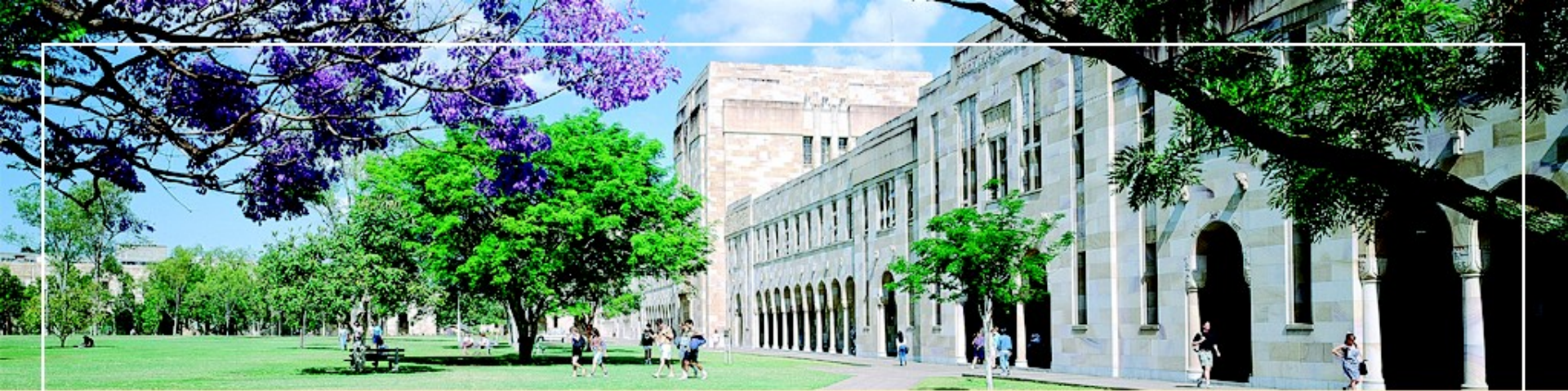
- ACPFG (Australian Centre for Plant Functional Genomics) and MPBCRC (Molecular Plant Breeding CRC)
- Needed a subset of wheat pedigree database
- Developed a “Pedigree Download tool”
- Select a set of pedigrees from database
- Download pedigree information together with each pedigree’s ancestry tree



ICIS in Australia

- UQ
- Leslie Research Centre
- CSIRO
- University of Adelaide
- University of Southern Queensland
- University of Sydney
- Murdoch University
- Western Australia Agriculture
- Victorian Institute for Dryland Agriculture





Future developments

- Website for CAGE suite of projects
- Develop web version of the ‘Pedigree Download Tool’
- Central wheat database administration – CIMMYT