Integration of External Tools with ICIS

Pedigree Download Tool

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Current Tools on Web interface

		Germplasm Details	
		Semiprent Center	
Gid: 83331		Location: QUEENSLAND WHEAT RESEARCH INSTITUTE	
Name: HARTOG		Reference:	
Method: RANDOM BULK SF		Group: PM/ON	
Diate: 00-00-1982		Source: CM8399-D-4M-4Y-2M-2Y	
Country: 6	AUSTRALIA		
Alternativ	ve Names:		
type	name	location	
	CWI25545	INT. CENTER FOR THE IMPROVEMENT OF MAIZE AND WHEAT, EL BATAN	
	LAT-19	AUSTRALIA	
ITEST	2718WSN386	INT. CENTER FOR THE IMPROVEMENT OF MAIZE AND WHEAT, EL BATAN	
Amributes			
Related L	inks:		
GRAME	NE-HARTOS		
		Pedigree Tree	
6 HARTO	10		
6 PA			
		7/SIETE CERROS T 66	
T	BVICAN S71		
1	B-1122398		
	E INLA F 66		
	E NAPO 63	Contraction (1)	
		TE CERROS T 66	

- Query DMS across studies
- Limited phenotypic/DMS data downloadable
- Query pedigree data
- Pedigree data cannot be downloaded

Current tools on stand alone version

SETGEN

- Create lists of germplasm
- Export to spreadsheet or text file

• Users need to have ICIS running on PC

Required

Pedigree Download Tool

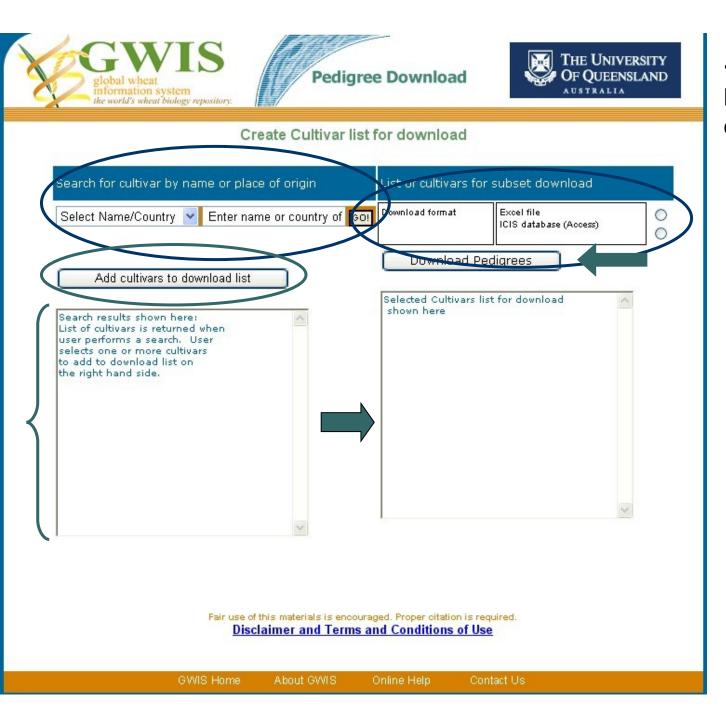
- Allows users to select a number of varieties
- Gives each variety's pedigree
- Details of all parents in each pedigree (i.e. full ancestry tree)
- Ancestry tree can be defined to n generations

Advantages for users

- Download can be in database format as well as spreadsheet and text file
- Can create a subset of a much larger database
- Smaller database faster performance
- Web enabled tool allows users to download data without the need to run ICIS on their PC

Advantages for administrators

- Tool useful in "pulling out" data from local databases for uploading to central
- Helps to segregate confidential data from public data
- Can be extended to be applied to the DMS part of the system – uploading only public phenotypic and analysis data to the central



•Search for variety by name or country of origin

•List of search results

•Add selected entries to list

•Select output format (either or both)

•Download pedigrees button

Development

Currently:

- Some code in Fortran (.EXT LST command in BROWSE)
- Some code in VBA
- Uses lists from SETGEN
- Web Enabled tool
 - JAVA / ASP.NET
 - Users create lists "on the spot"
 - Output in spreadsheet or Access format
 - To be included in standard ICIS web interface

THANK YOU

