



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada

ICIS 2007 Developer's Workshop



Session 1: Activity Reports of ICIS Partners

ICIS at the SPARC 2006-2007

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Overview

- Previous projects
- New Projects
- Needs



Previous projects

- ICIS Expansion (April 2004 – March 2007):
 - Goals:
 - Expand the use of ICIS within AAFC
 - SPARC Durum and Bread Wheat breeding programs extensively expanded in GMS and DMS
 - Data Comparison Tool developed for historical wheat data queries
 - Expanded use to Lethbridge Research Centre (LRC) in Lethbridge, Alberta and Cereal Research Centre (CRC) in Winnipeg, Manitoba
 - Gave numerous demonstrations of ICIS to interested parties from both AAFC and other institutions



Previous projects

- ICIS Expansion (April 2004 – March 2007):
 - Goals:
- Work out a way to handle molecular marker data in ICIS
 - Had numerous discussions with the SPARC biotech lab about their needs
 - Evaluated a LIMS/GEMS system
 - Set up DMS workbook templates for marker data
 - Loaded Parent Screening marker data into ICIS
 - Data Comparison used to query data



New Projects

- Spring Wheat Project (2007 – 2010)
 - Expand ICIS to cover pedigree, phenotypic and marker data for all spring wheat breeding programs in AAFC
 - Develop queries as needed



New Projects

- Winter Wheat Project (2007 – 2010)
 - Expand ICIS to cover pedigree, phenotypic and marker data for all winter wheat breeding programs in AAFC
 - Develop queries as needed



New Projects

- Molecular Breeding Project (2007 – 2010)
 - Implement a LIMS/GEMS system for use in the biotech labs to store PCR and primer data
 - Enter molecular marker data from breeding programs into ICIS
 - Develop queries as needed



Needs

- LIMS/GEMS system
 - Has to be flexible enough to meet our biotech lab needs without a steep learning curve
 - Queries need to be intuitive
 - Implementation needs to be seamless, without disruption to lab work



Needs

- Differential Access to ICIS databases
 - Restrict certain germplasm and studies to authorized users, without having to create a separate database
 - Administrators need to be able to assign these restrictions via ICIS applications (SetGen Lists, DMS Workbook)



Needs

- Central Database Updates
 - Work out an “easy” way to get our updates into the Wheat Central GMS (IWIS3)
 - Need a tool to find duplicates between the Local GMS and Central GMS



Needs

- ICIS Installer
 - Need a custom ICIS installer than can set up the databases, ODBC links and applications
 - Needs to allow for changes over time



Welcome to the 2007 ICIS Developer's Workshop I hope you enjoy yourselves in Speedy Creek!!

