

#### **IRRI Activities in Crop Informatics**

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### Outline

- ICIS Application Development
- Software Collaborative Tool
- GRIMS
- Collaboration projects/workshops

# **ICIS Application Development**

- The Central GMS has now Lists
- MGID is added to contain the management germplasm
- Extra columns can be added in SetGen Lists and the data can now be automatically retrieved
- Fast loading and retrieval of data in Workbook
- Querying of ICIS database in Retriever through linked tables

# **ICIS Application Development ...**

- Several Reports can be generated in InTrack
- Requestor information is now available in InTrack
- Support for barcode reading in Workbook and InTrack
- GMS Input now uploads maize pedigree
- A prototype of GEMS
- Diagnostic and Validation Tool to check the ICIS databases and applications are now available
- A Web Application for IRRI Recommended Lines was developed

## **Software Collaborative Tool**

- Cropforge is now heavily used for bug reporting and feature requests
- The entire ICIS Applications are released under ICIS Communication while individual application is released under its corresponding projects
- Software Codes are now managed in CVS
- Cropwiki contains the documentation of ICIS

#### GRIMS

- Seed Management is now completely functional and fully used by the Genebank staff
- Stocks of the Genebank are now completely bar coded
- The information of IRRI accessions in IRIS is being verified and corrected
- Seed Acquisition, Multiplication and Characterization modules were implemented

### **Collaborative Project/Workshop**

- Accession-Level Information Resource 11,669 MARDI accessions were loaded to IRIS. Script for uploading their characterization data and updating the passport information was created. MARDI accessions are now accessible in the web (*http://www.iris.irri.org/mardi/*).
- GCP The IRIS Passport data are mapped against the GCP Passport data model using Biocase.
- CIMMYT IRRI developers visited CIMMYT for the IWIS migration to ICIS. A maize plant breeder of CIMMYT visited IRRI for the comparison of ICIS and Maize field book.

### **Collaborative Project/Workshop**

- Nunhems IRRI developers visited Nunhems in January for the development of the ICIS 5.3 and Ralph van Berloo presented PediTree and Genotypher
- Collaborators from UQ, Bayer and PhilRice visited IRRI in February for a mini workshop.