

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.