



Bayer CropScience

ICIS Activities
Bayer Bioscience 2006-2007

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Summary

- ◆ Standardization
- ◆ Implementation
- ◆ Data loading and report
- ◆ Molecular Marker
- ◆ User support

Standardization

- ◆ Convention naming
 - ◆ List
 - ◆ Hybrid
 - ◆ Study
- ◆ Standard definition
 - ◆ Methods
 - ◆ Study variables
 - ◆ Calculations
- ◆ Based on international standard

Implementation

- ◆ Database implementation done in Oracle 10g Release 1
- ◆ SQL Script from Nunhems
- ◆ User groups definition and hierarchical organization
 - ◆ Country Manager
 - ◆ Breeder
 - ◆ Pre-breeder, Agronomist, Pathologist...
- ◆ Definition of access rules
 - ◆ Data of a group is only accessible to that group
 - ◆ Data of a country is only accessible to that country
 - ➔ India Agronomist data is not accessible to Pakistan agronomist
- ◆ Schemas deployment
 - ◆ South Asia
 - ◆ India, Pakistan and Bangladesh
 - ◆ South East
 - ◆ Indonesia, Myanmar, Philippines, Singapore, Thailand and Vietnam



Central Repository

Country Manager - South Asia

Country Manager - South East Asia

IND - Cereal Chemist

IND - Entomologist

IND - Pathologist

IND - Pre Breeder

BGD - Agronomist

Pak - Agronomist

IDN - Agronomist

MMR - Agronomist

PHL - Agronomist

THA - Agronomist

VNM - Agronomist

→ Synchronization

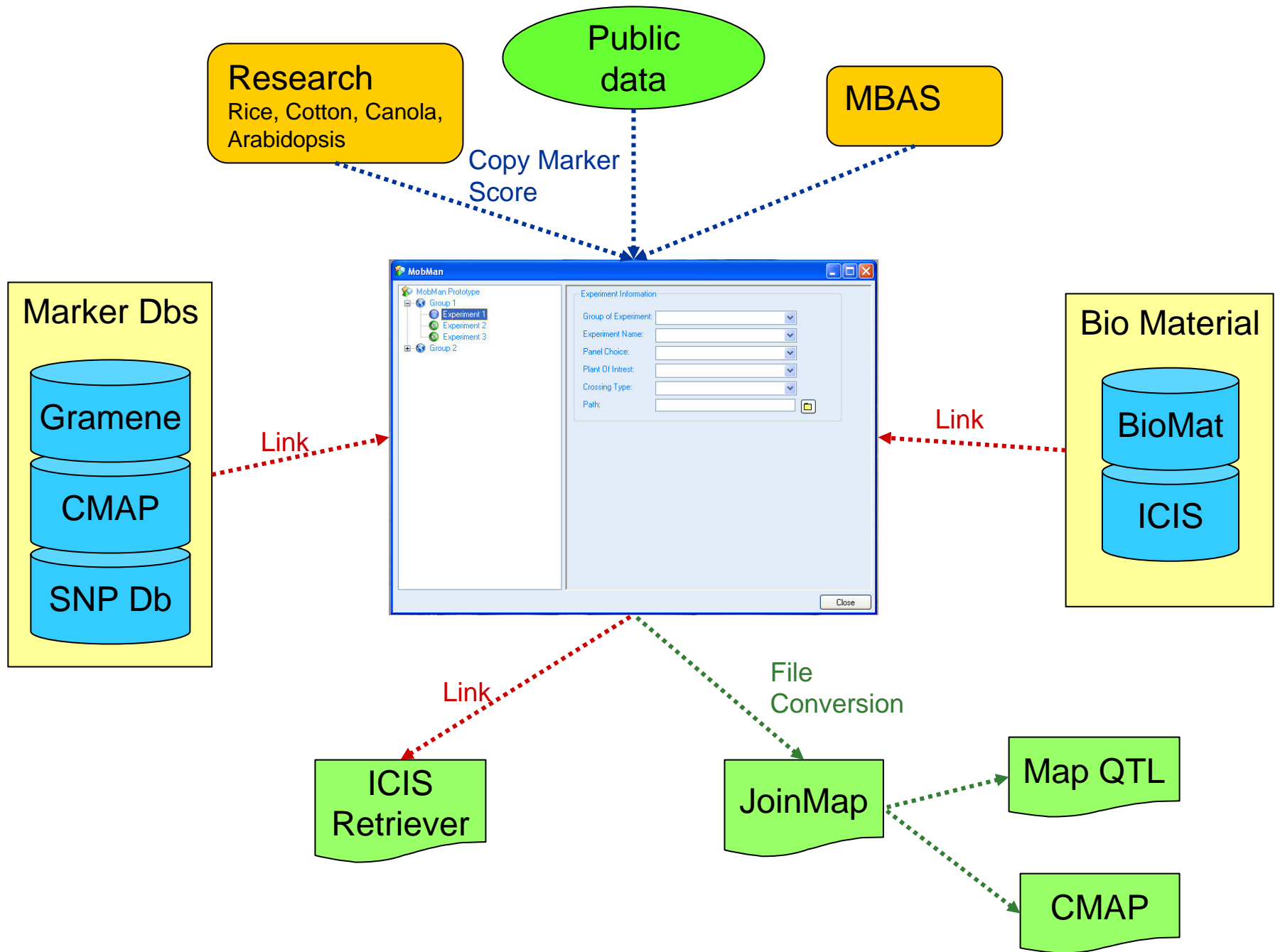
Data loading and report

- ◆ Loaded germplasms and Field trials data
 - ◆ 2007,2006 and 2005
 - ◆ On station trial, on farm trial, demo trial
 - ◆ HSPP, Fertilizer trial, Check trial
- ◆ Development of reports in Retriever
 - ◆ Based on the Nunhems retriever
 - ◆ Based on the IRRI retriever

Molecular Marker

- ◆ Reflection on a Molecular Marker management system
- ◆ MobMan
 - ◆ Manage different type of marker and marker score
 - ◆ SSR, SNP, AFLP, RFLP...
 - ◆ Position, Present/Absent...
- ◆ Data searching and visualization
 - ◆ ICIS retriever...
- ◆ Export files
 - ◆ JoinMap, MapQTL...





User support

- ◆ Meeting
- ◆ Training
- ◆ Phone call

- ◆ Evaluation of remote control tools
 - ◆ DameWare
 - ◆ Citrix presentation Console
 - ◆ Remote Desktop
 - ◆ Real VNC



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Thank you very much for your kind attention.