Genotypic Data Management System (GDMS)

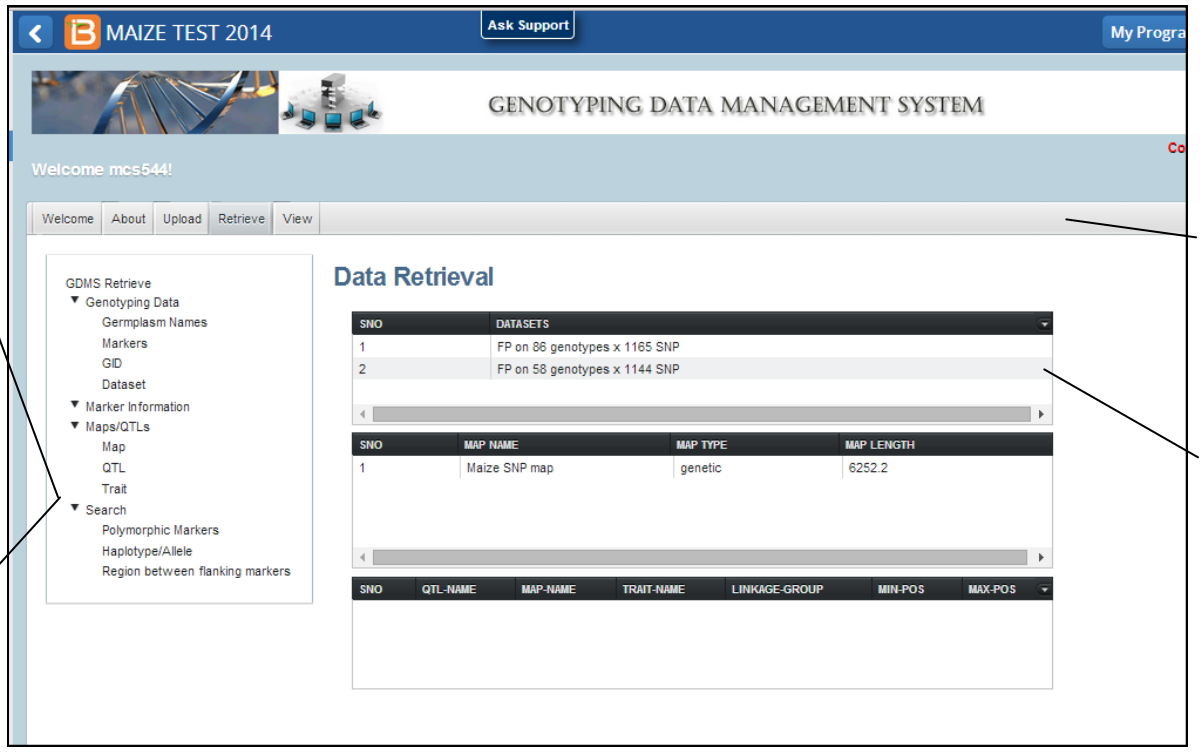
Quick View

A Breeding Management System core functionality

This functionality is embedded in the BMS to enable you to store, search and retrieve molecular marker information, genotyping data and genetic maps, such as low level fingerprinting data ('000s), and marker trait association (MTA) information for breeding traits (QTL data and diagnostic markers) to facilitate decisions required in day-to-day breeding activities. Data can easily be retrieved, visualised and manipulated in various ways, including the easy creation of genotyping orders for third party service providers.

Create haplotypes and search for lines with particular haplotypes

Query for a region of interest e.g., all markers under a QTL region or between flanking markers



Download genotyping datasets in multiple formats for visualization and analysis in third party applications

Readily identify and select polymorphic markers between parental lines

> **"GDMS is very user-friendly... a hassle-free data management tool to integrate huge, complex information like marker data, genotyping data and genetic maps into simple graphical visualisation that helps me as a breeder to take better decisions in my crop improvement programmes. - Dr Muraleedhar Aski , Scientist , lentil and mung bean breeder, Indian Agricultural Research Institute (IARI), New Delhi, India."**

Description	Development phase	What's new	Related support tools
Connect germplasm to genotypic data	Incremental improvements	• Handle duplicate germplasms while uploading and retrieving genotypic data • Upload genotyping data from importing a germplasm list • MTA upload, retrieval and deletion • Improved validation and error reporting	Online: www.integratedbreeding.net/22/breeding-management-system/breeding-decision-tools Ask for a demo: ibp@cgiar.org