

NEW RELEASE

Memo no. 2020-01 January 2020

BMS v14

48

BUG FIXES

34

TICKETS
RESOLVED

We are happy to release v14 of BMS Pro, with the following improved features:

Visualization: Create scatter plots, histograms and box plots for your observation datasets ([beta](#))

Graphical filtering tool: Generate and export transposed and aggregated reshapes of the filtered data ([beta](#))

More flexible experimental design creation:

- specify which specific environments you want to consider for experimental design generation, and set others aside for later
- add or delete environments even if the experimental design has already been generated

BMS API

- New Swagger hub [documentation repository](#)
- Deprecation of old, unsupported BMS API calls ([see list](#))
- New calls!
 - Create inventory lots. (POST/Lots)
 - BrAPI v2: Search observation units (GET /search/observationunits)
 - BrAPI v1.3: Get the germplasm list of a given study (POST/studies/{studyDbId}/germplasm)

Performance improvements to loading studies

Dynamically import new traits: Add new traits to your exported fieldbook; mapping options will allow to easily import them back in the system later.

Dataset importer improvements

- A BMS variable name or alias is assigned to all mapped variables by default
- New advanced option to explicitly maintain the names of variables as specified in the import file.

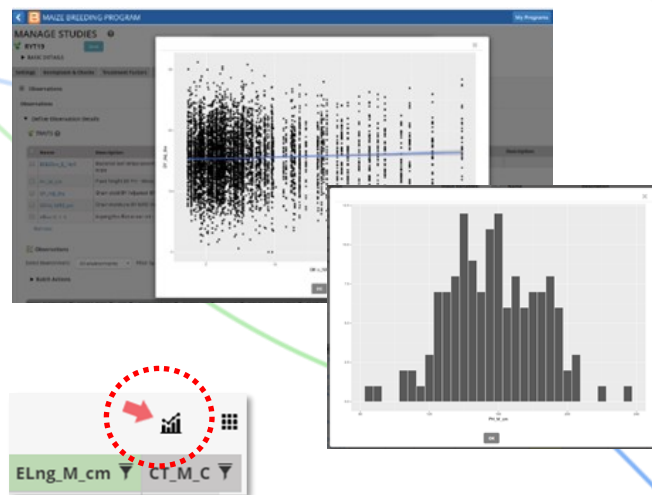
Roles and permissions: Location management and germplasm deletion are now set at the 'Crop' permission level

HIGHLIGHT:

Graphical visualization

A long-standing request has been to be able to generate graphs to visualize datasets in the system. This functionality is now available via an interface to the R services provided by the [OpenCPU](#) framework. Visualize study data (both in pending and accepted states) in the form of scatterplots, bar-charts, or histograms thanks to a user-friendly interface, with very simple parameters, executing the very popular [ggplot2](#) tidyverse function in the background.

You will find this option in the Observations and Sub-observations tabs of the Manage Study module.



If you are already using BMS Pro within your organization, the IBP Deployment Manager assigned to your server instance will be in contact with you to upgrade to the latest version. Otherwise, BMS Pro is available upon request. Contact us for a guided demo: www.bmspro.io

Useful links:

- ✓ [v14 Release Notes](#)
- ✓ [Frequently Asked Questions \(FAQ\)](#)
- ✓ [Help Desk](#)
- ✓ [Support articles \(How-to and troubleshooting\)](#)



BMS Pro: better data, better crops.
A product of the Integrated Breeding Platform
www.integratedbreeding.net

