

# Workbench User's Manual

## Launching the Workbench

Workbench can be launched from the installation folder by clicking the workbench launcher executable file:

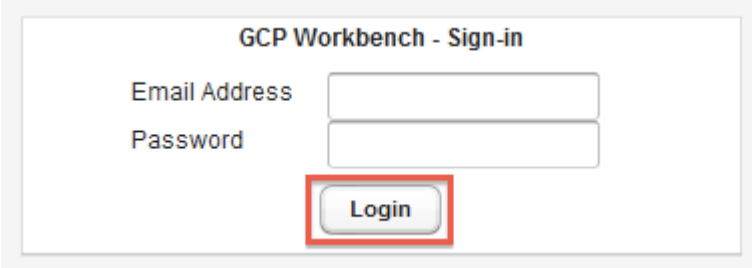
It can also be launched from *Start --> Programs --> IBPWorkbench*:

Running the Workbench will open the application in the default browser of the system. The application launch also results to the addition of an icon on the system tray. Once clicked, two options are shown:

If workbench is not running, selecting **Launch IBPWorkbench** will open the workbench in the browser.

## Login

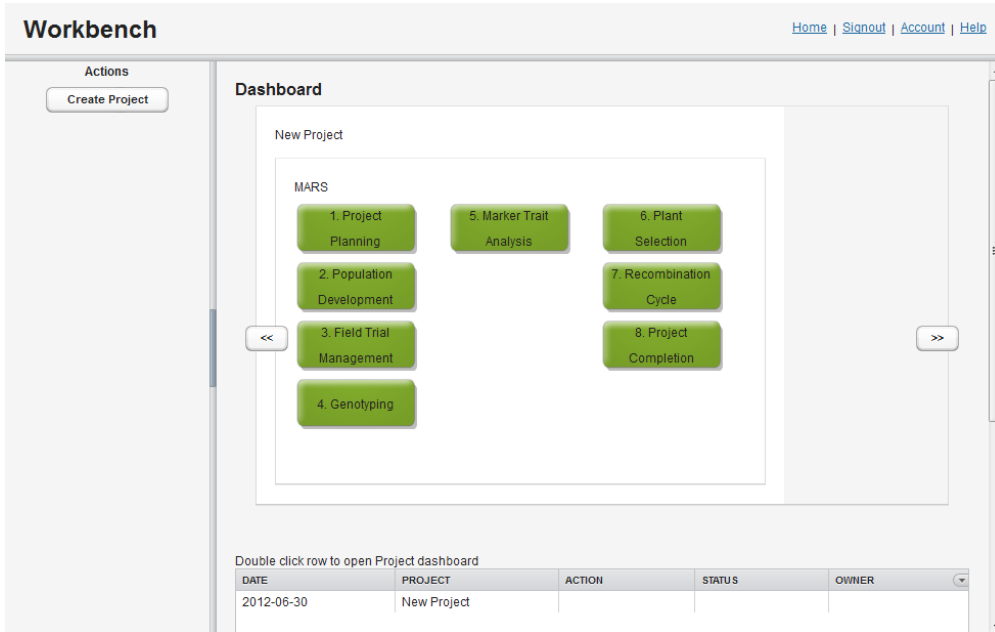
Currently, the Workbench accepts blank username and password. Just click the **Login** button to get into the system.



The image shows a sign-in form titled "GCP Workbench - Sign-in". It contains two input fields: "Email Address" and "Password". Below these fields is a "Login" button, which is highlighted with a red rectangular border. The form is set against a light gray background.

## Dashboard

Upon login, you will see the dashboard that shows the current projects. On a newly-created system with no projects, an empty dashboard is shown.



## Project Management

Management of projects is also included in the Workbench.

### Creating a Project

You may create a project by click the **Create Project** button.

The three fields *Project Name*, *Target Due Date* and *Workflow Template* are required. Currently, only MARS is supported, but other workflow templates will be added later on.

The screenshot shows the 'Create New Project' form. It has three required fields: 'Project Name' (text input with 'Test Project'), 'Target Due Date' (date input with '6/30/12' and a calendar icon), and 'Workflow Template' (dropdown menu with 'MARS' selected). The form is enclosed in a red border. Below the form are 'Cancel' and 'Save' buttons.

Once a project is created, its corresponding workflow will be added to the dashboard.

### Viewing the Details of a Project

To view the details of a project, either double-click the workflow of the project in the dashboard or the row of the project in the table.

Workbench

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Actions

Create Project

Dashboard

New Project

Test Project

MARS

1. Project Planning

2. Population Development

3. Field Trial Management

4. Genotyping

5. Marker Trait Analysis

6. Plant Selection

7. Recombination Cycle

8. Project Completion

Double click row to open Project dashboard

DATE	PROJECT	ACTION	STATUS	OWNER
2012-06-30	New Project			
2012-06-30	Test Project			

It will lead to the Project Dashboard that contains three parts: dataset, workflow and recent activity.

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Actions

Create Project

Project Dashboard: New Project

Datasets

New Project

MARS

1. Project Planning

2. Population Development

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NEXT ACTIVITY	OWNER	DUE DATE
Load Datasets		2012-07-01
Phenotypic analysis		2012-08-01
Genotypic analysis		2012-09-01
QTL analysis		2012-03-01

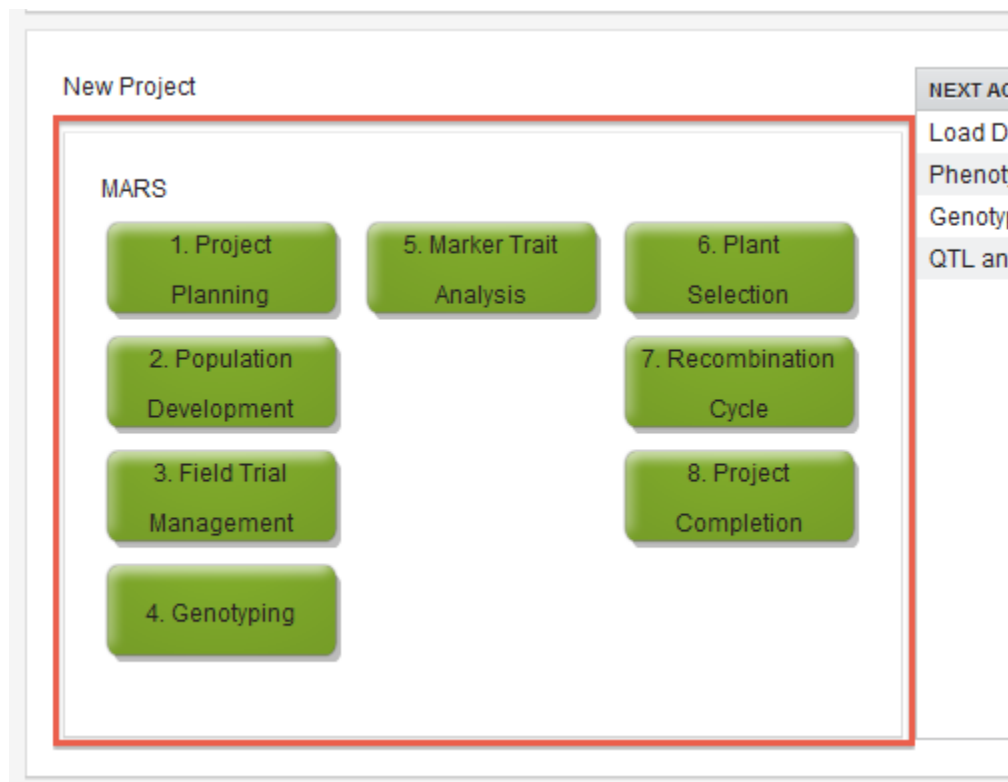
Recent Activity

DATE	PROJECT	ACTION	STATUS	OWNER
2012-06-01	New Project	Load Datasets		
2012-07-01	New Project	Phenotypic analysis		
2012-08-01	New Project	Genotypic analysis		
2012-02-01	New Project	QTL analysis		

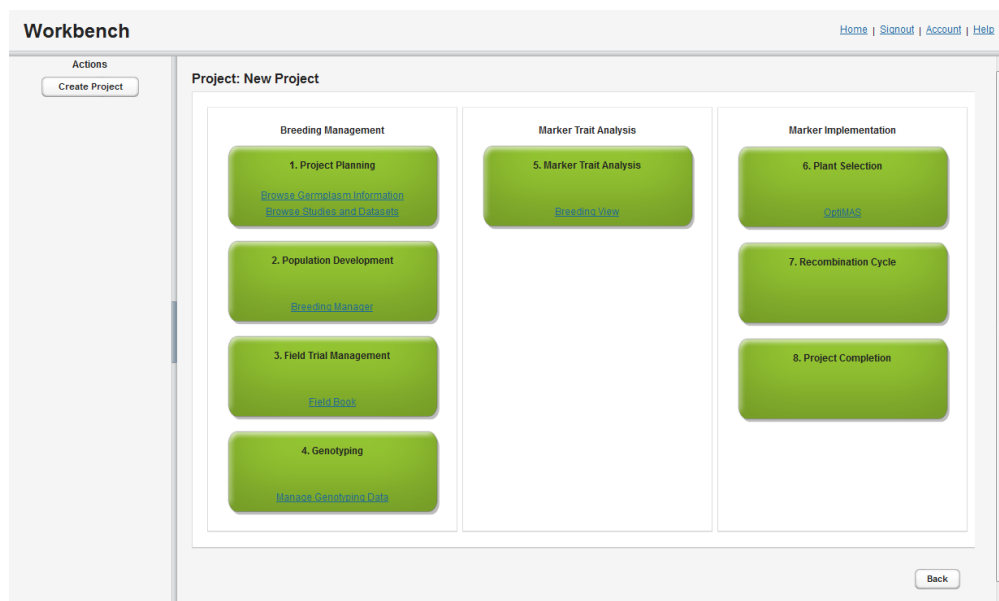
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## Launching the Tools from the Workbench

To view and launch the tools corresponding to the steps in the workflow, double-click on the workflow panel:



It will lead to the following screen that shows the links to the available tools:



From this page, the following tools can be launched:

- Germplasm Browser

- Study Browser
- Breeding Manager
- Field Book
- GDMS
- Breeding View
- OptiMAS