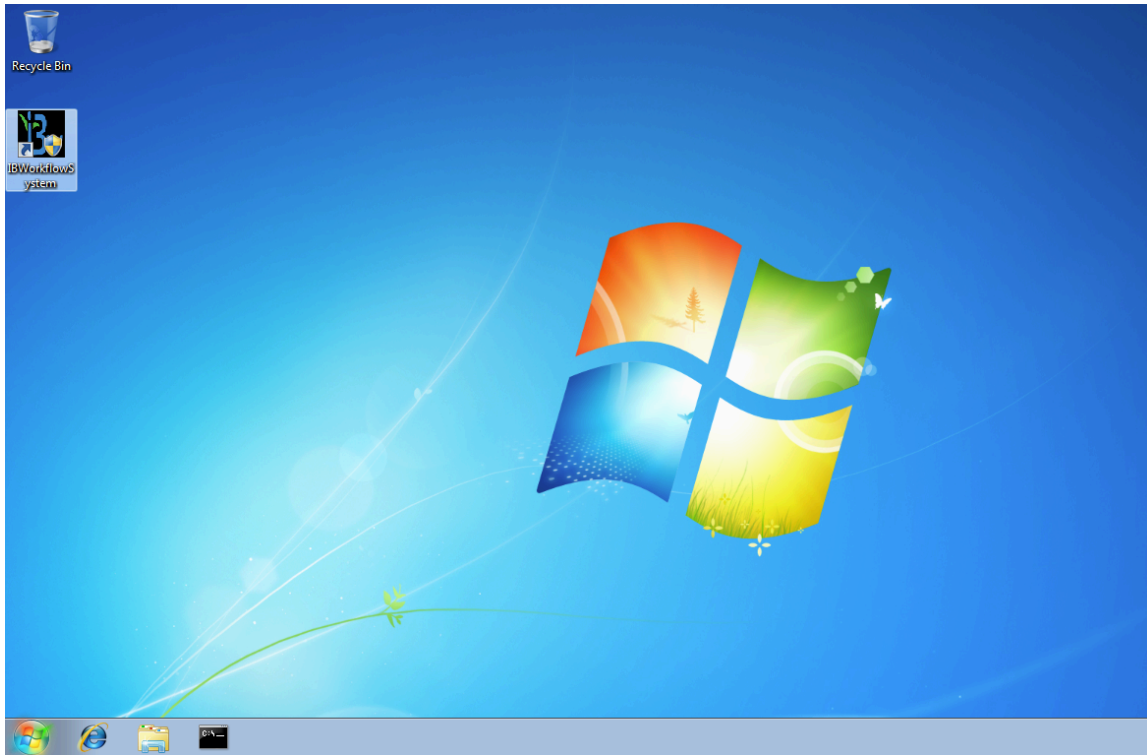


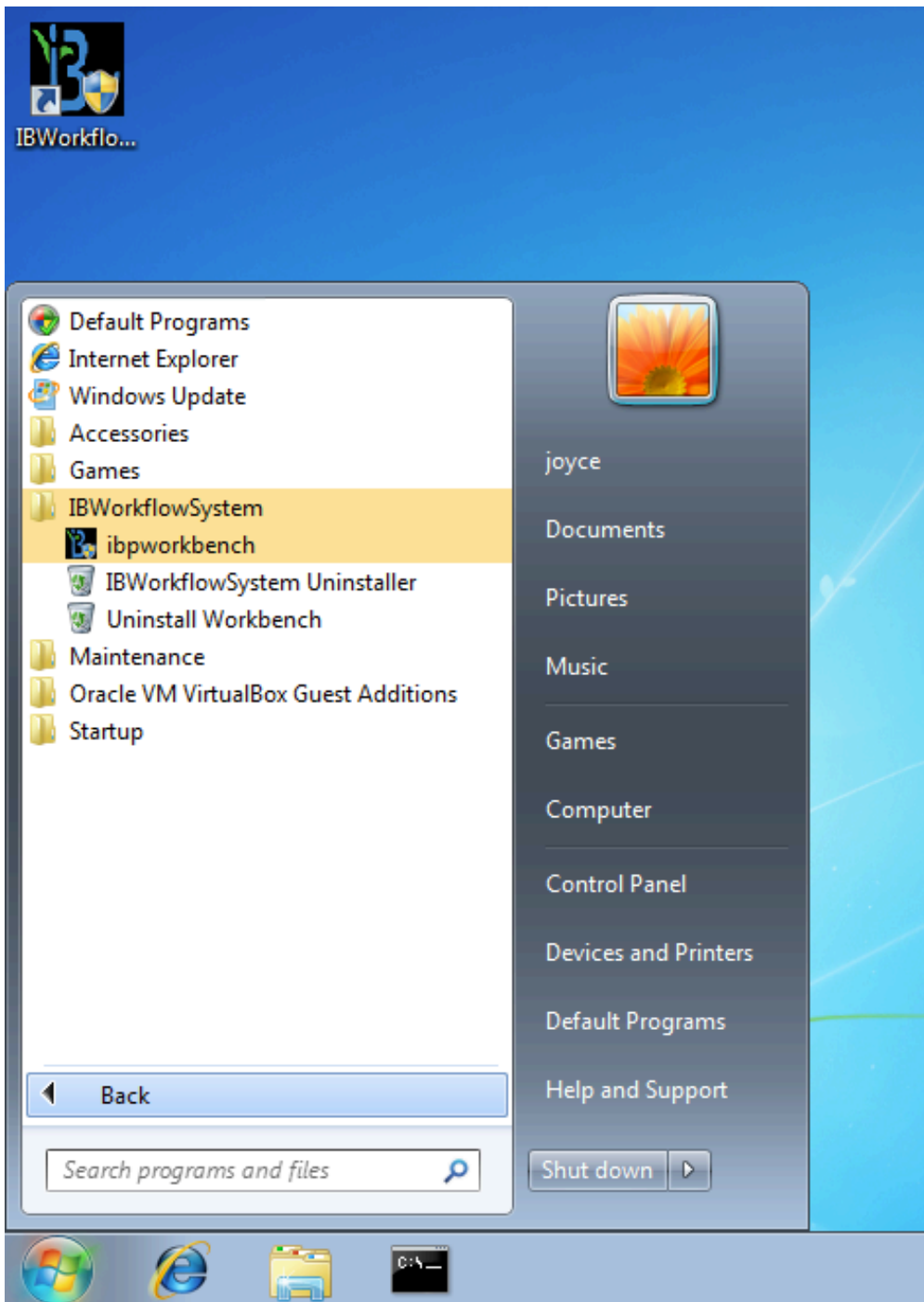
Workbench User's Manual

Launching the Workbench

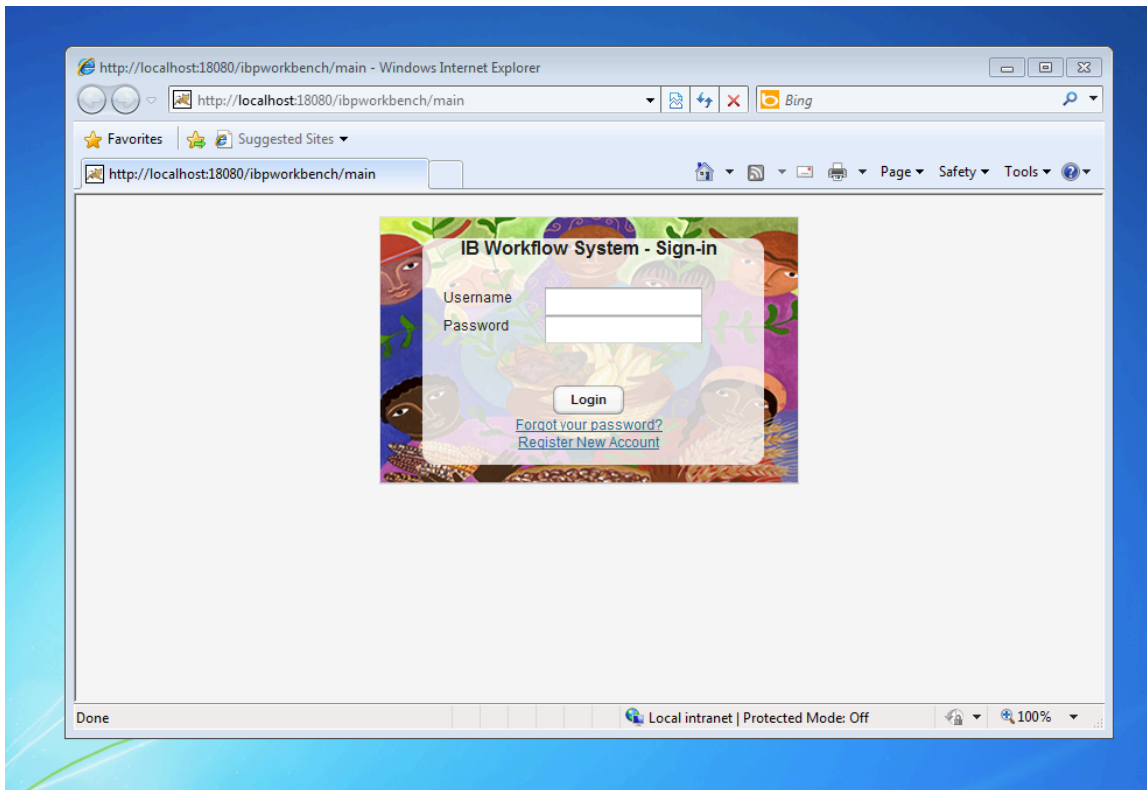
Workbench can be launched from the installation folder by clicking the Workbench launcher executable file. It can also be launched via the Desktop shortcut created upon installation:



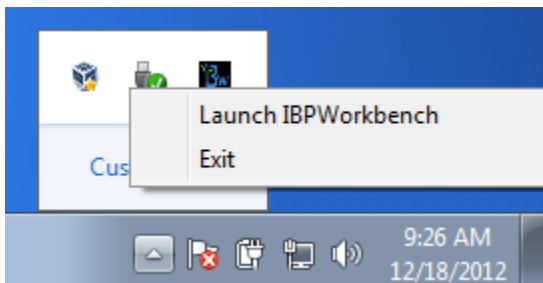
It can also be launched from *Start --> Programs --> IBWorkflowSystem --> ibpworkbench*:



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 on a browser, selecting **Launch IBPWorkbench** will open the Workbench in the browser.

Login

You need a Workbench User account to use the application. Once you enter your username and password, click the **Login** button to get into the system.

The image shows a sign-in interface for the IB Workflow System. It features a colorful background with stylized faces. The title "IB Workflow System - Sign-in" is at the top. Below it are two input fields: "Username" with the text "joyce" and "Password" with masked characters "*****". A "Login" button is positioned below the password field. At the bottom, there are two links: "Forgot your password?" and "Register New Account".

IB Workflow System - Sign-in

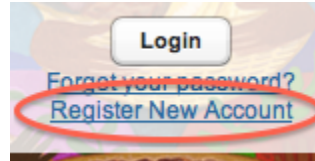
Username

Password

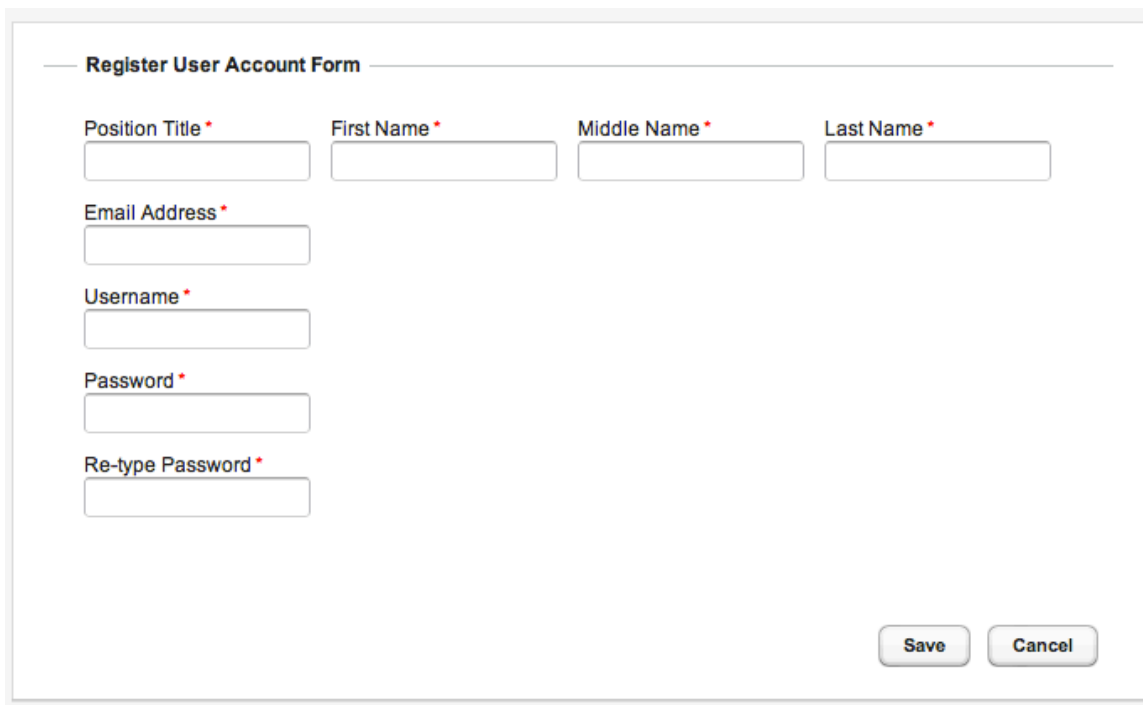
[Forgot your password?](#)

[Register New Account](#)

To create a user account, click on the **Register New Account** link.



This will take you to the **Register User Account Form** shown below. Enter the necessary details and then click the **Save** button to create your account.

The image displays the "Register User Account Form". It has a title bar at the top. The form contains several input fields: "Position Title", "First Name", "Middle Name", and "Last Name" (all with red asterisks indicating they are required), "Email Address", "Username", "Password", and "Re-type Password" (all with red asterisks). At the bottom right, there are two buttons: "Save" and "Cancel".

Register User Account Form

Position Title *

First Name *

Middle Name *

Last Name *

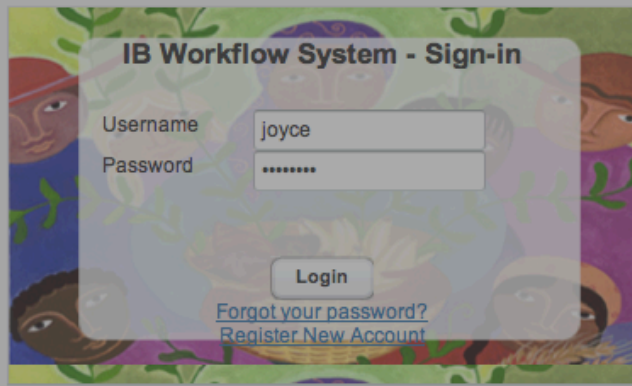
Email Address *

Username *

Password *

Re-type Password *

If you forgot your password, you may click the **Forgot your password?** link. It will ask for your user name. Press **Next**. It will then show a security question. When answered correctly, it will show your password.

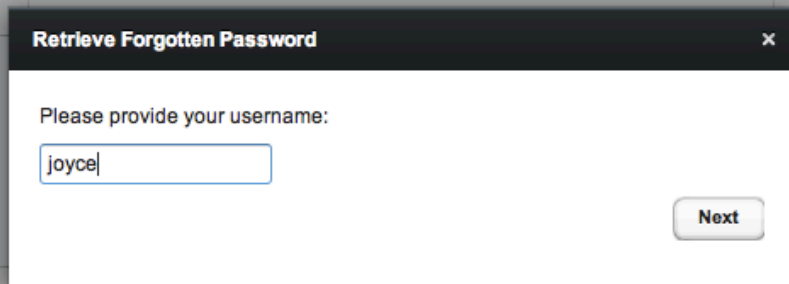


IB Workflow System - Sign-in

Username

Password

[Forgot your password?](#)
[Register New Account](#)



Retrieve Forgotten Password ×

Please provide your username:

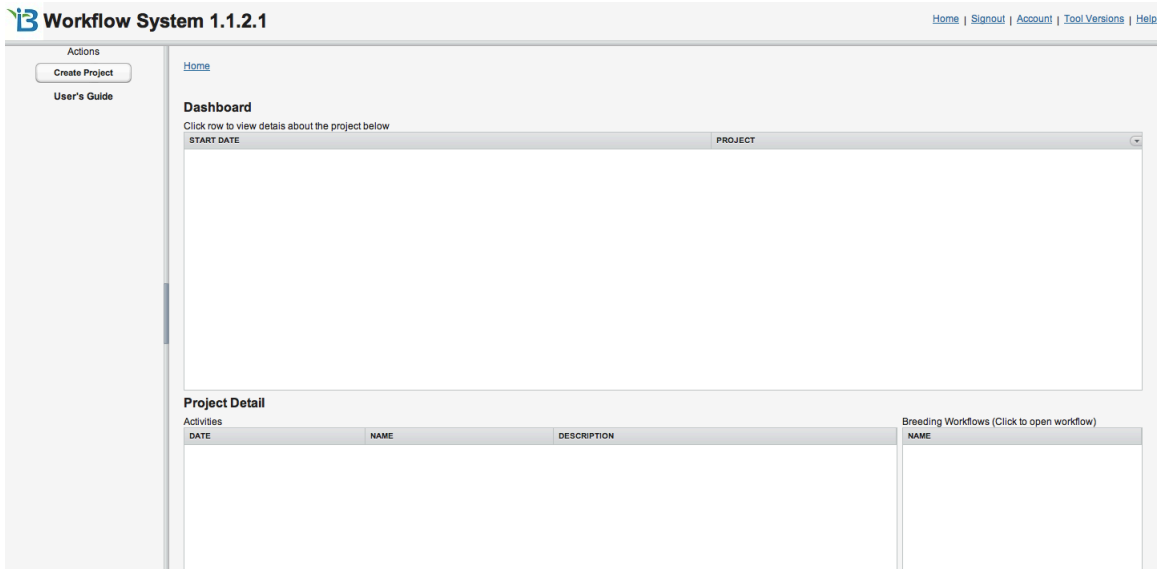


Retrieve Forgotten Password ×

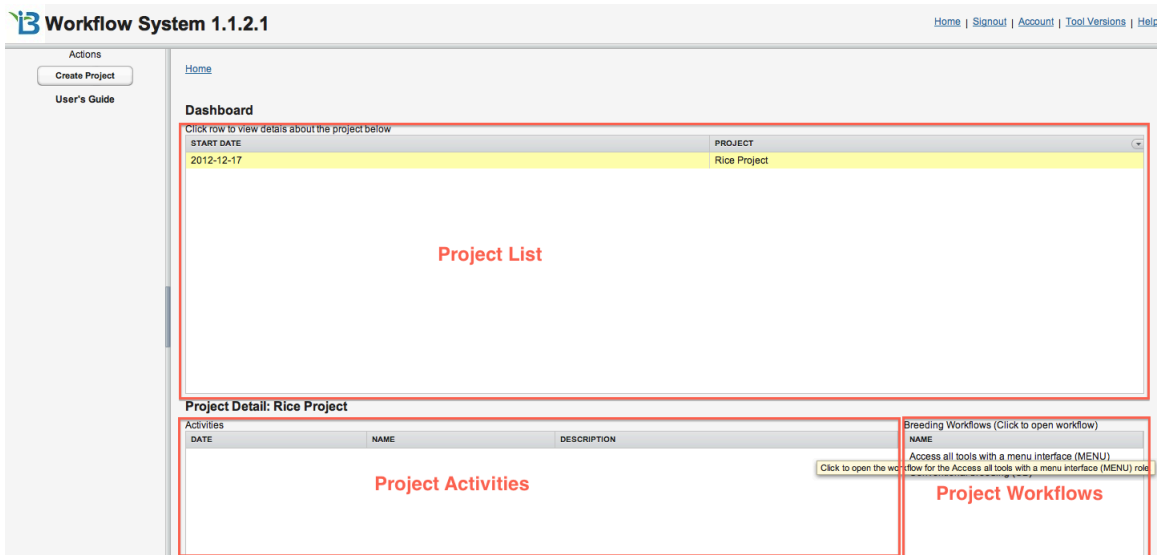
What is your town of birth?

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:



The table on the top shows the list of projects. Clicking on the row of the table shows the details of the project on the section below it. The lower left table shows the project activities while the lower right shows the project workflows of the selected project.



Project Management

Management of projects is included in the Workbench.

Creating a Project

You may create a project by click the **Create Project** button on the **Dashboard** screen. This will display the **Create New Project Wizard**. Follow the steps on the wizard to define the new project.

Workflow System 1.1.2.1 [Home](#) | [Signout](#) | [Account](#) | [Tool Versions](#) | [Help](#)

Actions
[Create Project](#)
User's Guide

[Home](#) > [Create Project](#)

Create New Project

Basic Details

Project Name

Start Date

Crop

[Next](#)

Breeding Workflows
Project Members

[Cancel](#) [Save](#)

Step 1 - Enter the basic details for the project.

Create New Project

Basic Details

Project Name

Start Date

Crop

[Next](#)

Breeding Workflows
Project Members

[Cancel](#) [Save](#)

Input the name of the project and select the crop type. Start Date is automatically set.

Step 2 - Select the project workflows

Check the boxes of the workflows of the project. The *Manager workflow* (Access all tools with a menu interface (MENU)) is automatically assigned to the creator of the project. The workflows allow the user to launch all the tools that are integrated with the Workbench.

Create New Project

Basic Details

Breeding Workflows

Identify the workflow(s) you want to use for this project:

☒ Conventional breeding (CB) Show
☐ Breeding with marker assisted selection (MAS) Show
☐ Marker assisted backcrossing (MABC) Show
☐ Marker assisted recurrent selection (MARS) Show

☒ Access all tools with a menu interface (MENU) Show

Previous

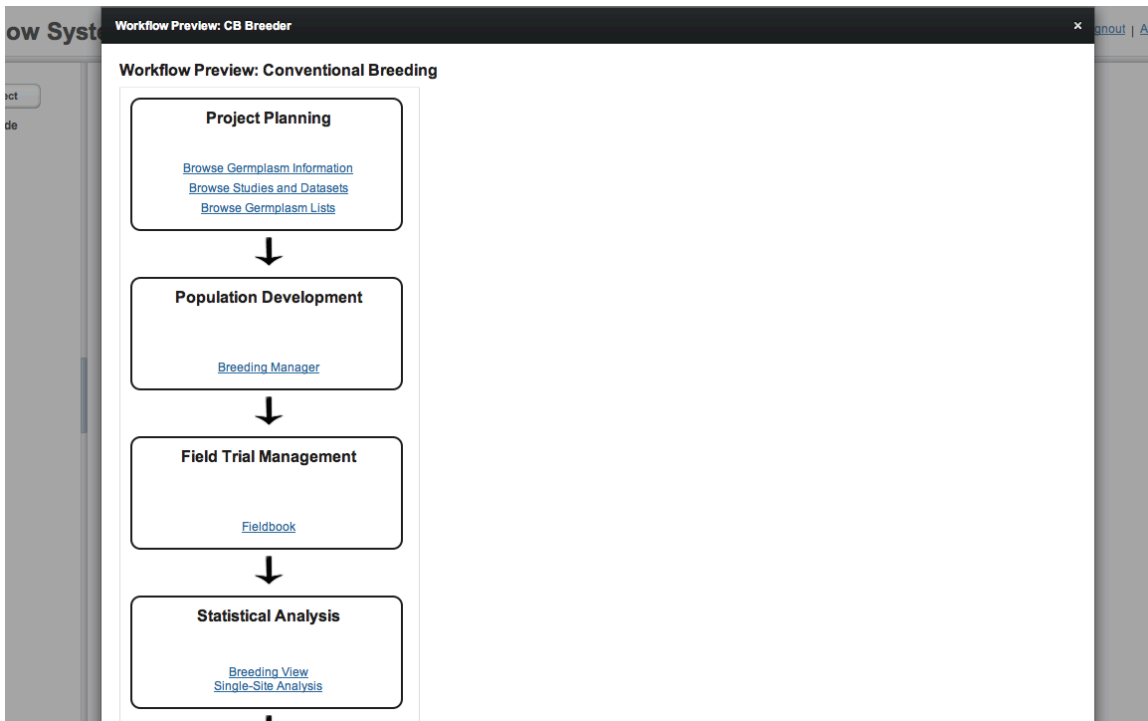
Next

Project Members

Cancel

Save

You can view the diagram of the workflows by clicking the corresponding button. The following shows a pop-up window for the CB workflow:



Step 3 - Assign members to the project and their workflows

Workbench users can be selected to be members of the project. Except for the Manager workflow, the workflows selected in the previous step are automatically checked for the selected members of the project, but this can be altered on this step by ticking/unticking the corresponding checkbox.

Create New Project

Basic Details

Breeding Workflows

Project Members

Available Users

Mark De Guzman Lapiz

>>

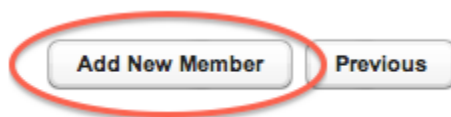
<<

Selected Project Members

Kevin Marintes Morales

MEMBER	CB BREEDER	MAS BREEDER	MABC BREEDER	MARS BREEDER
Kevin Marintes Morales	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

A new user can be added to be a member of the project. Click the **Add New Member** button



and the following pop-up window appears:

Add New Workbench User [X]

Register User Account Form

First Name *
Glenn

Middle Name
Avestro

Last Name *
Manansala

Email Address *
glenn@email.com

Username *
glenn

Security Question *
What is your town of birth?

Answer to Security Question *
Los Banos

Save Cancel

The new user is automatically added to the list of users for the project.

Available Users

Mark De Guzman Lapiz



Selected Project Members

Kevin Marintes Morales
Glenn Avestro Manansala

MEMBER	CB BREEDER	MAS BREEDER	MABC BREEDER	MARS BREEDER
Kevin Marintes Morales	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glenn Avestro Manansala	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Add New Member](#)[Previous](#)**Step 4: Save the Project**

To save the project, click the **Save** button at the bottom right corner of the page.

Actions

Create Project

User's Guide

<<

MEMBER	CB BREEDER	MAS BREEDER	MABC BREEDER	MARS BREEDER
Kevin Marintes Morales	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glenn Avestro Manansala	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Add New Member Previous

Cancel Save

Viewing the Workflow Diagrams

On the **Dashboard**, when a project is selected, you will see the different **workflows** you have for the project on the bottom right portion of the screen.

Dashboard

Click row to view details about the project below

START DATE	PROJECT
2012-12-17	Rice Project
2012-12-17	Rice Project 2

Project Detail: Rice Project 2

Activities

DATE	NAME	DESCRIPTION
------	------	-------------

Breeding Workflows (Click to open workflow)

NAME
Access all tools with a menu interface (MENU)
Marker assisted recurrent selection (MARS)
Breeding with marker assisted selection (MAS)
Marker assisted backcrossing (MABC)
Conventional breeding (CB)

Click to open the workflow for the Conventional breeding (CB) role.

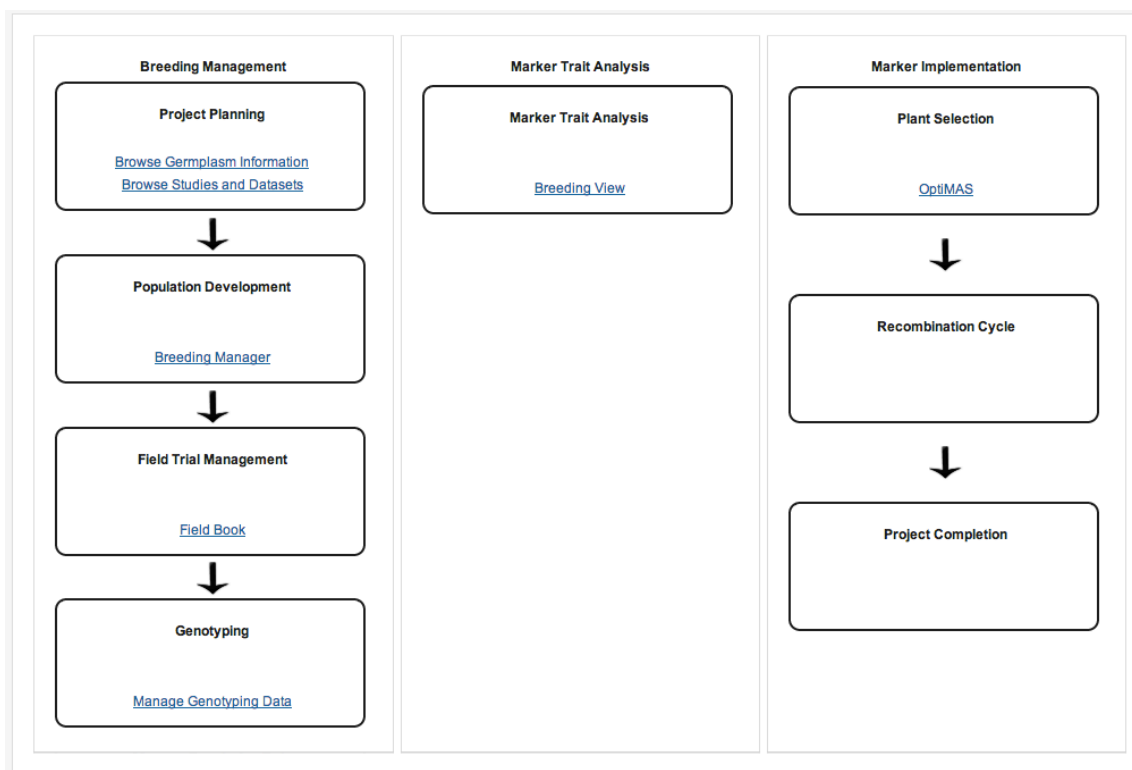
Clicking on a workflow will display its corresponding **workflow diagram**. There are five workflows that are currently available: Manager, MARS, MAS, MABC and CB.

Manager Workflow

Project: test MAS

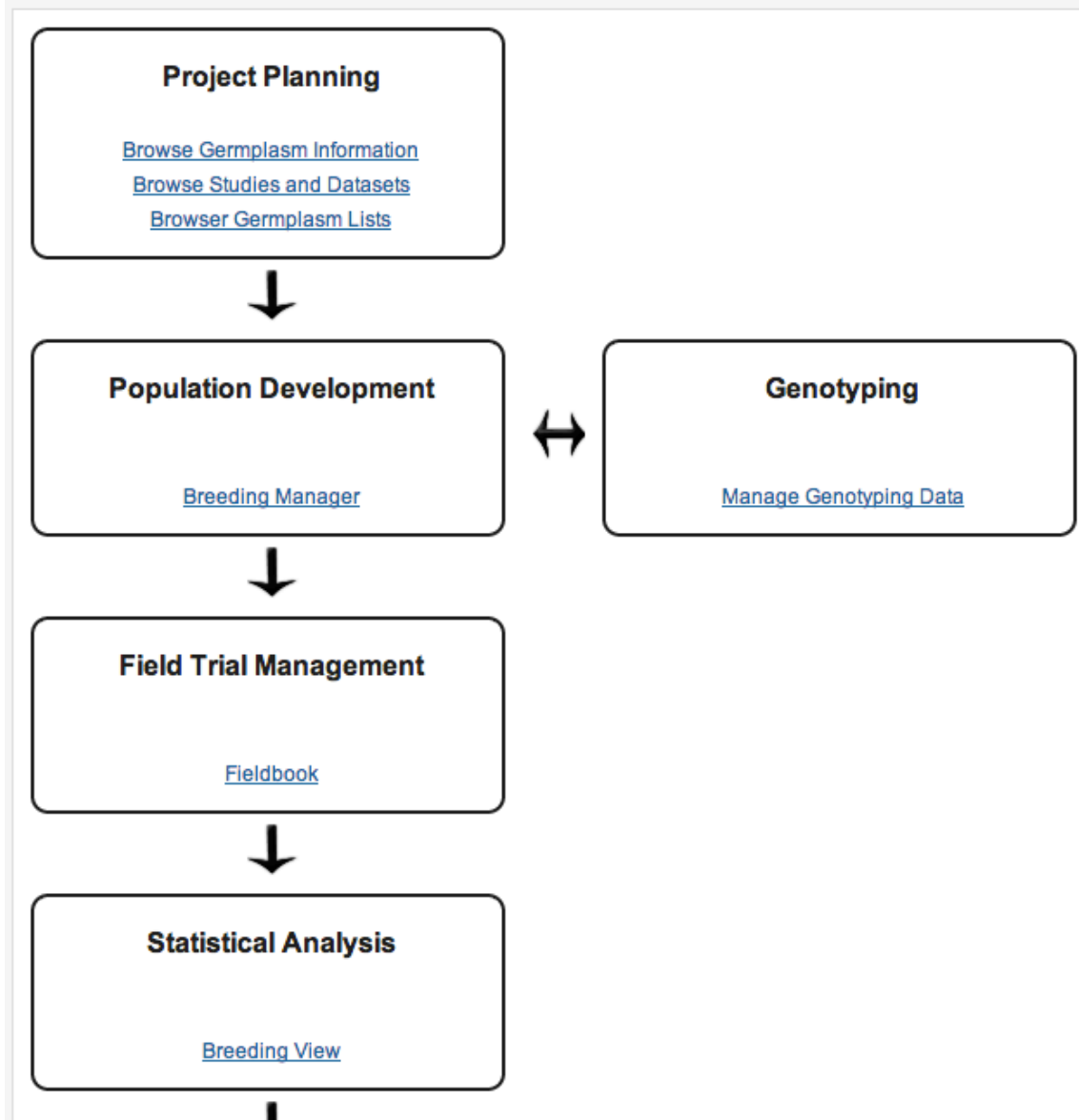


MARS Workflow



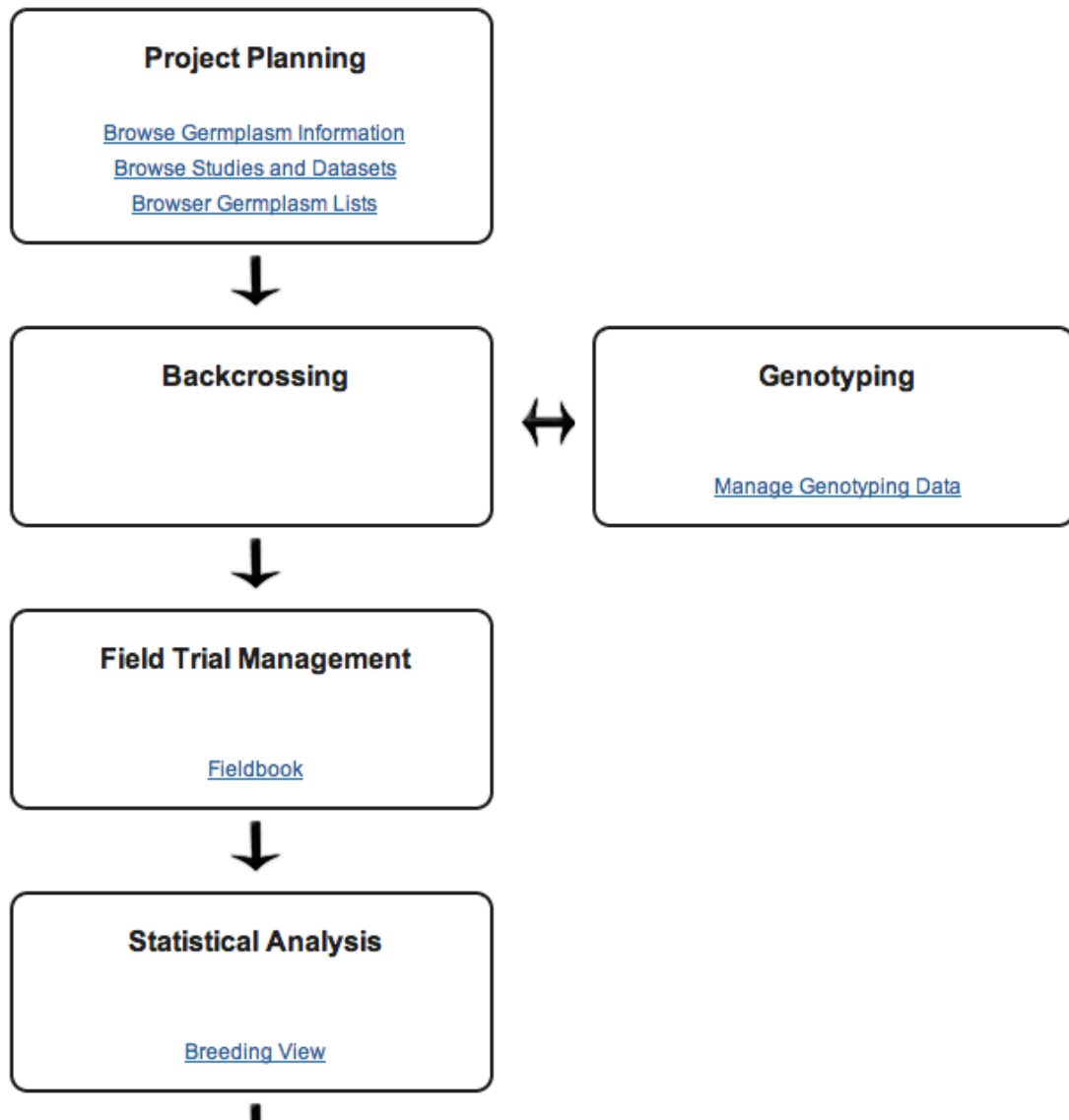
MAS Workflow

Project: test MAS



MABC Workflow

Project: test MAS



CB Workflow

Project: Rice Project 2

Project Planning

[Browse Germplasm Information](#)

[Browse Studies and Datasets](#)

[Browse Germplasm Lists](#)



Population Development

[Breeding Manager](#)



Field Trial Management

[Fieldbook](#)



Statistical Analysis

[Breeding View](#)

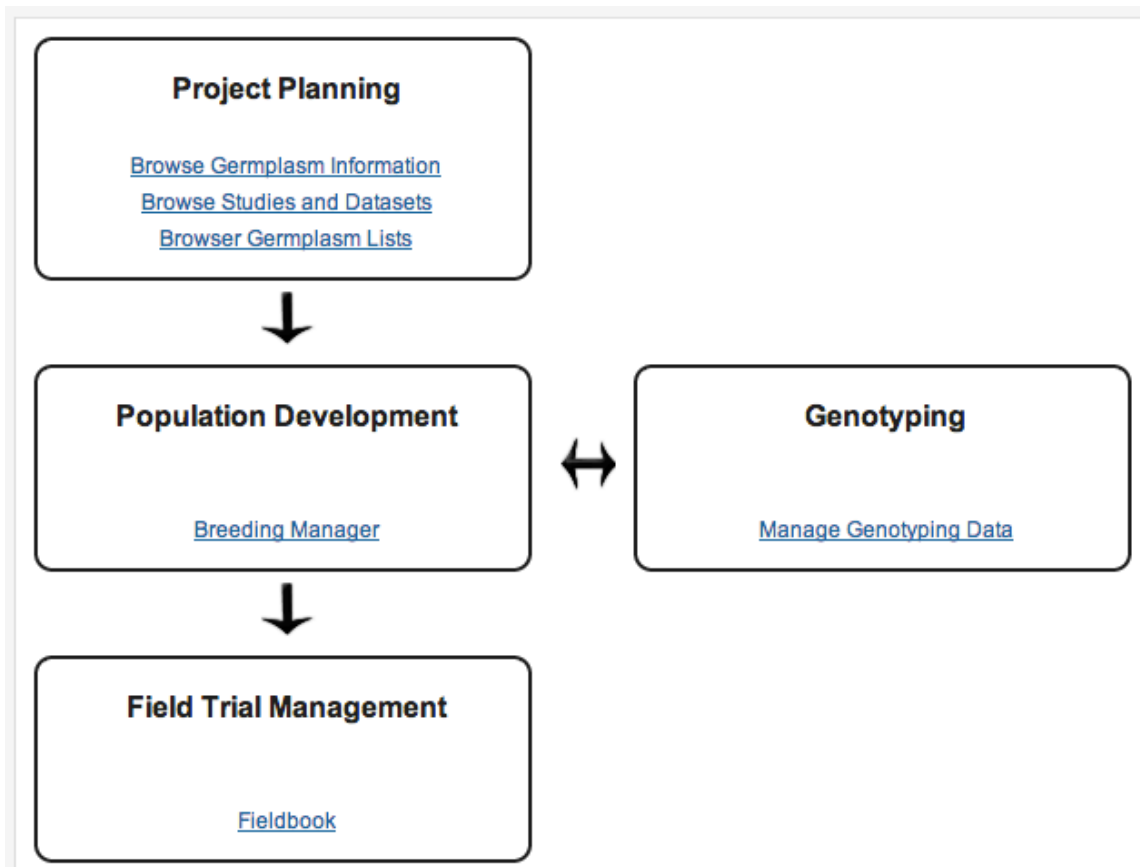
[Single-Site Analysis](#)



Breeding Decision

Launching the Tools from the Workbench

From the **Workflow Diagrams**, the user can launch tools by clicking on the various **links** inside the box representing the steps of the workflows.

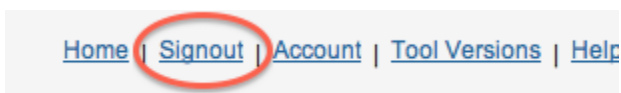


The following tools can be launched from the Workbench:

- Germplasm Browser
- Study Browser
- Germplasm List Browser
- Nursery Manager
- Fieldbook
- GDMS
- Breeding View
- Single-Site Analysis
- OptiMAS

Logging Out of the Workbench

To log out of the Workbench, click the **Signout** link on the top right portion of the Workbench screen.



Shutting Down the Workbench

To stop and exit the Workbench application, click on the **Workbench System Tray icon** and then select **Exit**.

