Study Browser User's Manual

The Study Browser displays information about studies and their datasets stored in the Integrated Breeding Database (IBDB). The Study Browser can be launched from the IBP Workbench application.

Accessing the Study Browser

The Study Browser may be accessed via the Project Workflow Screen:

Users could navigate their way towards their created Project Workflow (see the Workbench User's Manual)
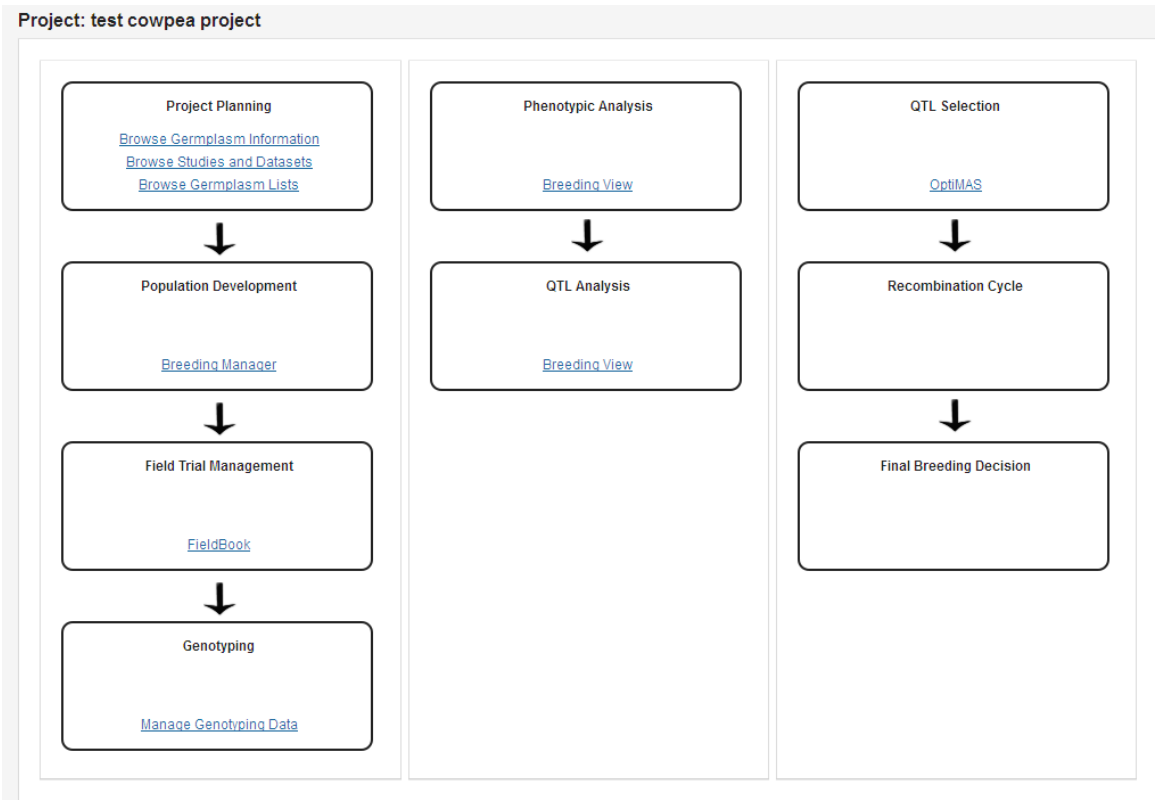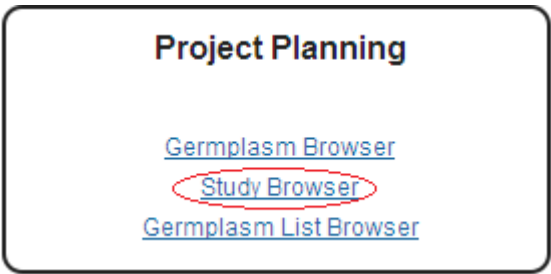

Figure 1.1. Sample Workflow

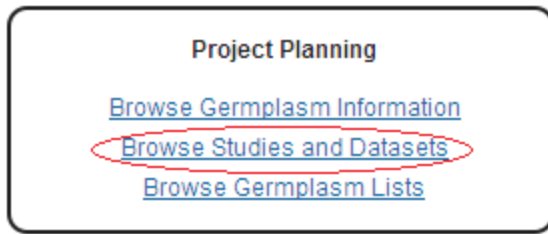The User needs to click the link that points to the Study Browser

Figure 1.2. Sample Workflow Links

Study Browser Screen

The Study Browser Screen looks like this when it is first opened:

Figure 2.1. Study Browser Page

Navigating the Tree of Studies

Studies are organized into hierarchies. The Tree panel of the Study Browser allows the user to navigate through this hierarchy of studies. There are two tabs, one for viewing the studies stored on the central instance of IBDB and the other for viewing the studies stored on the local instance of IBDB.
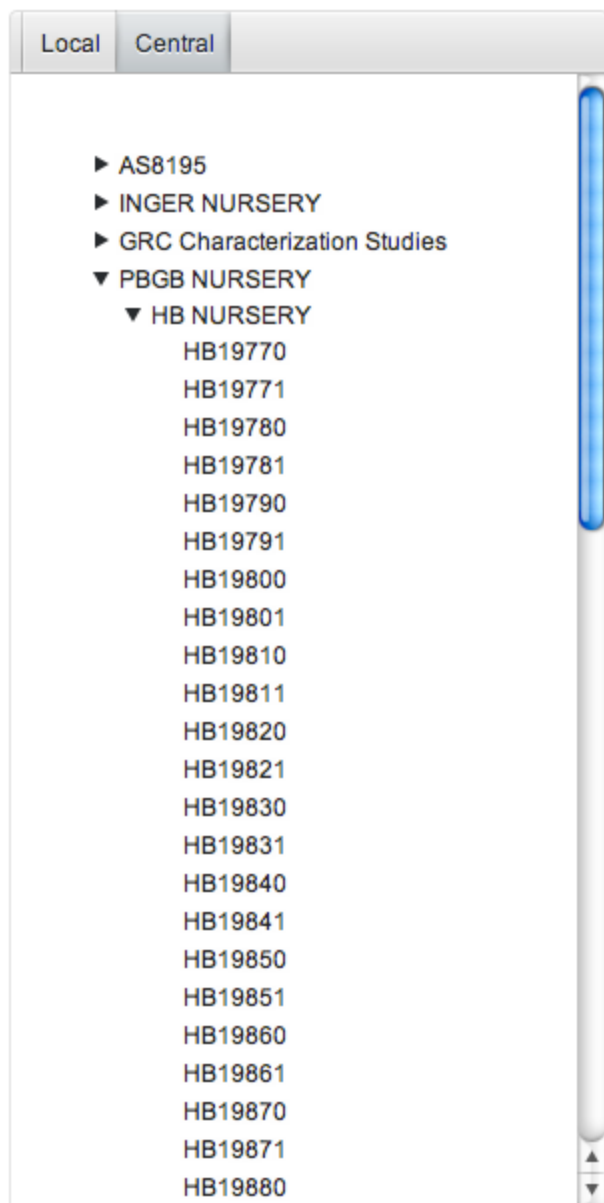
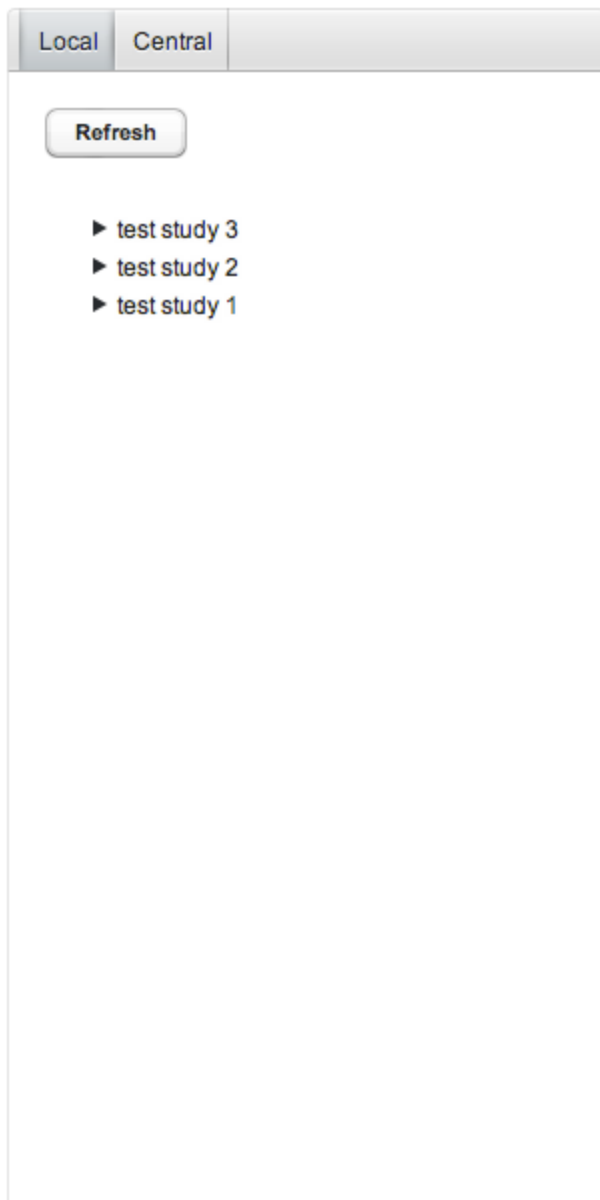*Figure 3.1. Tree of Studies from Central*

Figure 3.2. Tree of Studies from Local

Actions which can be done on the Study Tree panel:

1. Clicking on the arrow on the left side of the name of a Study expands that node and displays the child nodes for that particular Study.
2. Click on a node of the tree to display the details for the selected Study. Clicking on a node with children will not open a details tab as that node represents just a folder for Studies.
3. On the Local Study Tree tab, the refresh button can be pressed to recreate the tree to include changes made to the local IBDB instance. For example, the user has created a new study using the Fieldbook and wants to view it on the Study Browser. If the study is not immediately shown on the study tree then the refresh button can be pressed to make the new study appear on the tree.
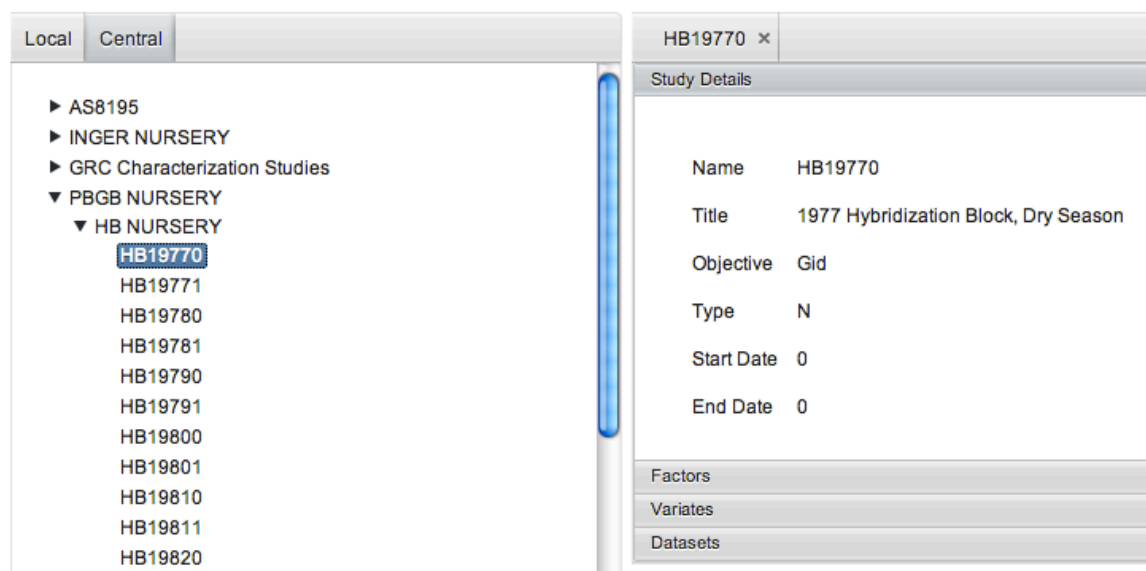
Figure 3.3. Clicked on the HB 19770 to show details

The Study Details Tab

The Study Details Tab is shown on the right of the Study Tree panel. Each tab displays information about a particular Study.
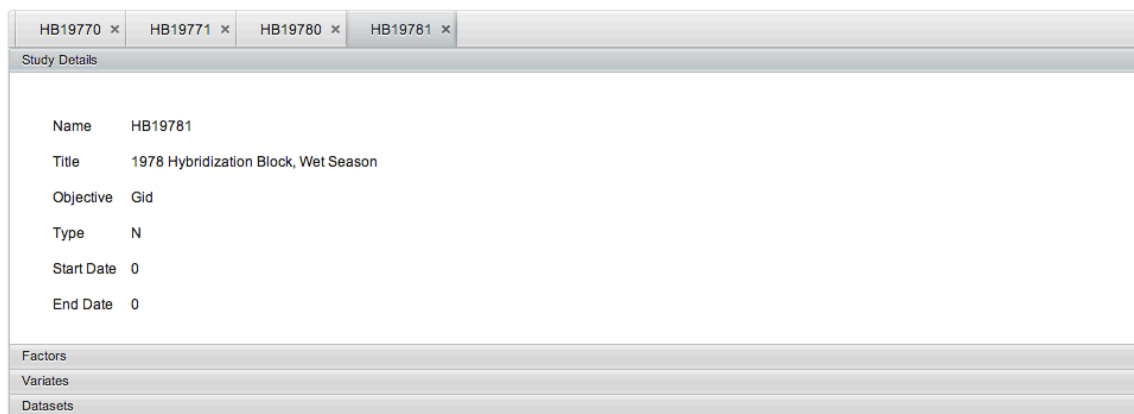

Figure 4.1. Study Details Tab

Sections of the Study Details tab:

1. Study Details - contains the basic information about the Study
2. Factor - displays a table showing information about the factors of the Study, the table columns are: name, description, property, scale, method, datatype
3. Variates - displays a table showing information about the variates of the Study, the table columns are: name, description, property, scale, method, datatype
4. Datasets - shows the datasets of the Study. Clicking on a dataset will display the dataset table in a new tab.
5. Dataset Tab - displays a particular dataset in tabular format. The dataset can be exported into a Fieldbook

format Excel file. The columns of the table can be rearranged by dragging the headers. Columns may be hidden from view as well by clicking on the drop-down arrow on the upper-right corner of the table and selecting the columns to hide. The drop-down arrow can also be used to show hidden columns.

NAME	DESCRIPTION	PROPERTY	SCALE	METHOD	DATATY
DESIGNATION	-	GERMPLASM IDENTIFICATION	Variety Name	Not Specified	C
ENTRYNO	-	GERMPLASM IDENTIFICATION	Entry Number	Not Specified	C
GID	-	GERMPLASM IDENTIFICATION	GID	Not Specified	N
GRPNO	-	GERMPLASM IDENTIFICATION	Arbitrary No.	Not Specified	N
NURSERY	-	NURSERY	Nursery Type	Not Specified	C
SEASON	-	CROP SEASON	Season Code 0-1	Not Specified	N
SOURCE	-	GERMPLASM IDENTIFICATION	Name of seed source	Not Specified	C
STUDY	-	STUDY	Name	Not Specified	C
YEAR	Date when measurements or observations are made	TIME OF MEASUREMENT/ OBSERVATION	Year (YYYY)	Not Specified	N

Figure 4.2. The Study Details tab with the Factors table

Dataset 1215 - LOCAL PROFILE & TRIAL DESCRIPTION
Dataset 1216 - MONTHLY CLIMATE DATA
Dataset 1217 - EVALUATION DATA

Figure 4.3. The Study Details tab with the list of datasets

Exporting a Dataset

A Dataset can be exported to a Fieldbook format Excel file.

REP	VARIETY	GID	STUDY	PLOTNO	STAND	DFF	MATURE	SEEDS	SEEDKGH/
REP2	-12AK	36759	ANM87IT	214.0	70.0	37.0	61.0	379.0	947.5
REP2	IT83S-797	104	ANM87IT	215.0	79.0	37.0	62.0	359.0	897.5
REP2	IT83S-960	119	ANM87IT	212.0	77.0	37.0	62.0	320.0	800.0
REP2	IT83S-728-5	99	ANM87IT	213.0	56.0	37.0	60.0	434.0	1085.0
REP2	K-28	741	ANM87IT	210.0	80.0	38.0	63.0	455.0	1137.5
REP2	ART8286-1	766	ANM87IT	211.0	24.0	42.0	0.0	266.0	665.0
REP2	L-80	36273	ANM87IT	208.0	84.0	37.0	62.0	254.0	635.0
REP2	IFE BROWN	329	ANM87IT	209.0	97.0	36.0	63.0	160.0	400.0
REP2	IT85F-968-3	36317	ANM87IT	206.0	86.0	37.0	60.0	195.0	487.5
REP2	IAR11-48-2	781	ANM87IT	207.0	43.0	37.0	61.0	339.0	847.5
REP2	IAR7-180-4-15-1	799	ANM87IT	204.0	62.0	39.0	62.0	359.0	897.5
REP2	IT85F-958	855	ANM87IT	205.0	90.0	44.0	65.0	195.0	487.5
REP2	H113-4	778	ANM87IT	202.0	107.0	37.0	63.0	357.0	892.5
REP2	IAR-48	13	ANM87IT	203.0	65.0	36.0	61.0	358.0	895.0
REP1	IAR11-48-2	781	ANM87IT	116.0	63.0	36.0	61.0	192.0	480.0

Export to Fieldbook Excel File

Figure 5.1. Dataset Sample with Export to Fieldbook Excel File button

Steps to Export Dataset to Fieldbook Excel File:

1. Open a Dataset tab for a particular Study on its Details Tab.
2. Press the "Export to Fieldbook Excel File" button.
3. Input the "File Name" and the "Destination Folder"
4. Click "Save" to create the Fieldbook Excel File
5. Click "Cancel" to discontinue with the file creation

Export to Fieldbook Excel File ✕

File Name

Destination Folder   C:\Users\Terin Lapiz\Desktop   Browse

Save   Cancel

Figure 5.3. Export to Fieldbook Excel File Window

Germplasm Details Link

The Datasets of a study contain Germplasms that belong under the specified study. Users may view the details of a Germplasm by clicking the GID link of one sample:

The User may choose which Germplasm Details to view:

Dataset of 16

REP	VARIETY	GID	STUDY	PLOTNO	STAND	DFF	MATURE	SEEDS	SEEDKGH/
REP2	-12AK	36759	ANM87IT	214.0	70.0	37.0	61.0	379.0	947.5
REP2	IT83S-797	104	ANM87IT	215.0	79.0	37.0	62.0	359.0	897.5
REP2	IT83S-960	119	ANM87IT	212.0	77.0	37.0	62.0	320.0	800.0
REP2	IT83S-728-5	99	ANM87IT	213.0	56.0	37.0	60.0	434.0	1085.0
REP2	K-28	741	ANM87IT	210.0	80.0	38.0	63.0	455.0	1137.5
REP2	ART8286-1	766	ANM87IT	211.0	24.0	42.0	0.0	266.0	665.0
REP2	L-80	36273	ANM87IT	208.0	84.0	37.0	62.0	254.0	635.0
REP2	IFE BROWN	329	ANM87IT	209.0	97.0	36.0	63.0	160.0	400.0
REP2	IT85F-968-3	36317	ANM87IT	206.0	86.0	37.0	60.0	195.0	487.5
REP2	IAR11-48-2	781	ANM87IT	207.0	43.0	37.0	61.0	339.0	847.5
REP2	IAR7-180-4-15-1	799	ANM87IT	204.0	62.0	39.0	62.0	359.0	897.5
REP2	IT85F-958	855	ANM87IT	205.0	90.0	44.0	65.0	195.0	487.5
REP2	H113-4	778	ANM87IT	202.0	107.0	37.0	63.0	357.0	892.5
REP2	IAR-48	13	ANM87IT	203.0	65.0	36.0	61.0	358.0	895.0
REP1	IAR11-48-2	781	ANM87IT	116.0	63.0	36.0	61.0	192.0	480.0

Figure 6.1. Dataset Window with GID Links

Clicking the GID link would open the Germplasm Details Window (the same information could be seen on the Germplasm Browser Tool)
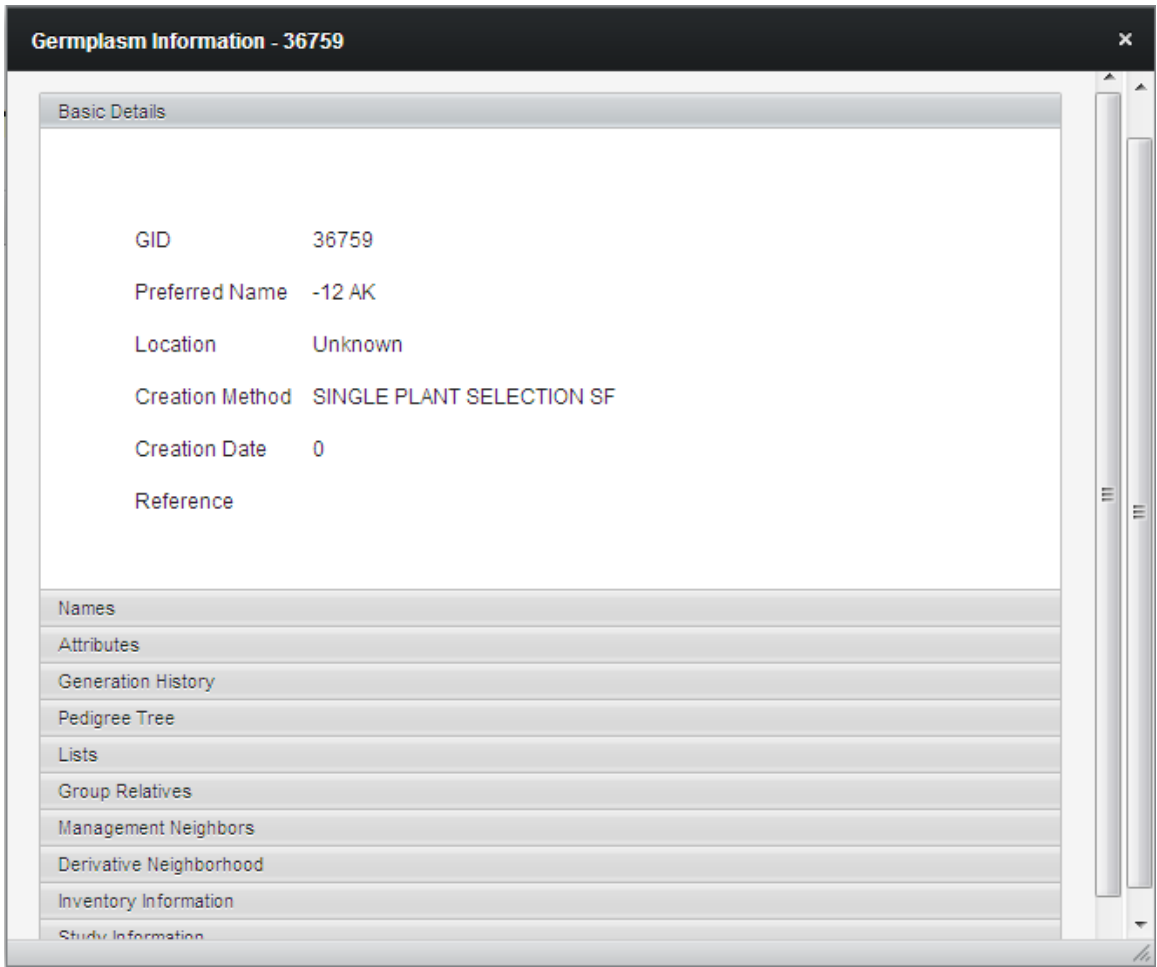

Figure 6.2. Germplasm Details Window

Study Browser Search Tab

The Study Browser Search Tab could be used for helping the User search for a specific study faster as long as specific details could be provided

The User could search for a study using the Date of the study (separate entries for Year, Month and/or Day), Name, Country and/or Season:

Figure 7.1. Study Search Parameters

The User could combine any of the search parameters to make the results more specific. The results will be displayed under the search parameters:

Figure 7.2. Search Parameters with Results

Clicking one of the results would open the details at the right side of the screen:

Figure 7.3. Search Result with Details