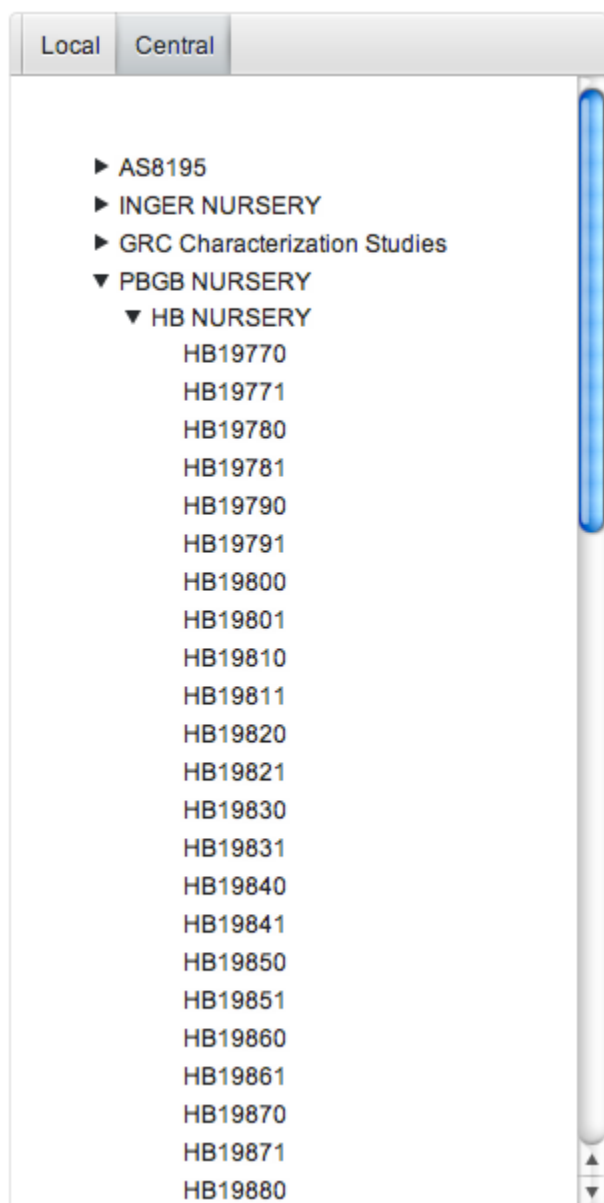


# Study Browser User's Manual

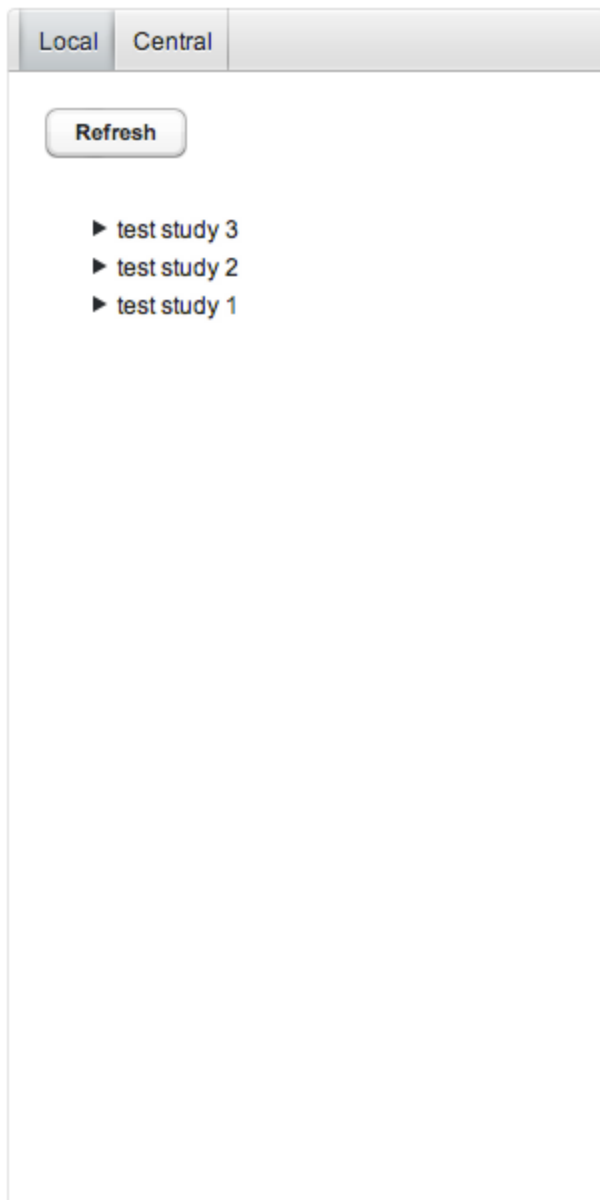
The Study Browser displays information about studies and their datasets stored in the Integrated Breeding Database (IBDB). The Study Browser can be launched from the IBP Workbench application.

## 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.



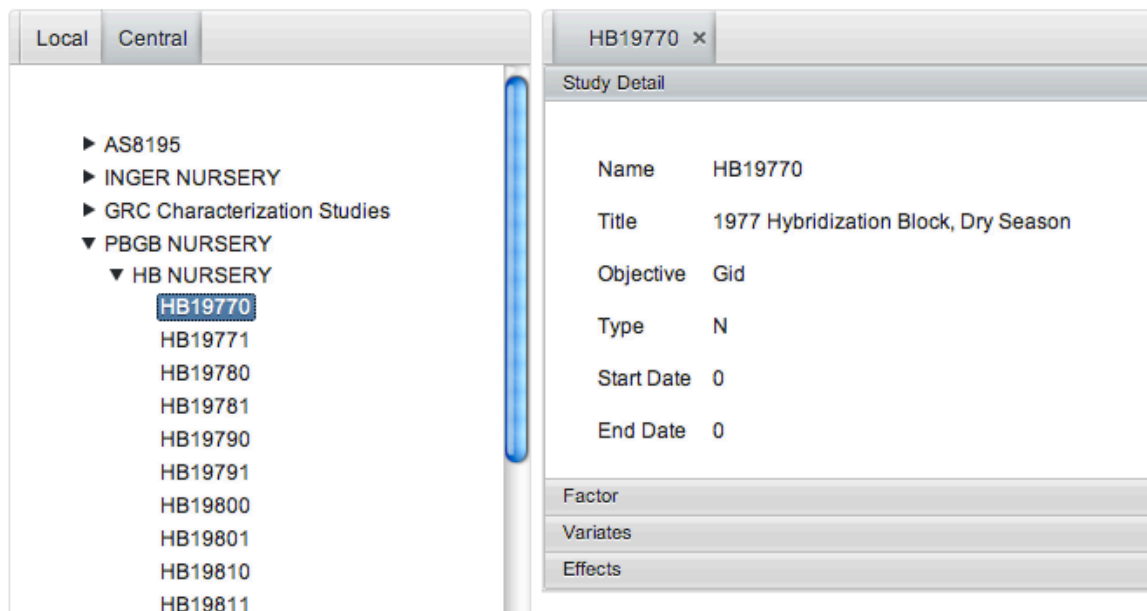
This tab displays the Tree of Studies from Central



This tab displays the Tree of Studies from Local

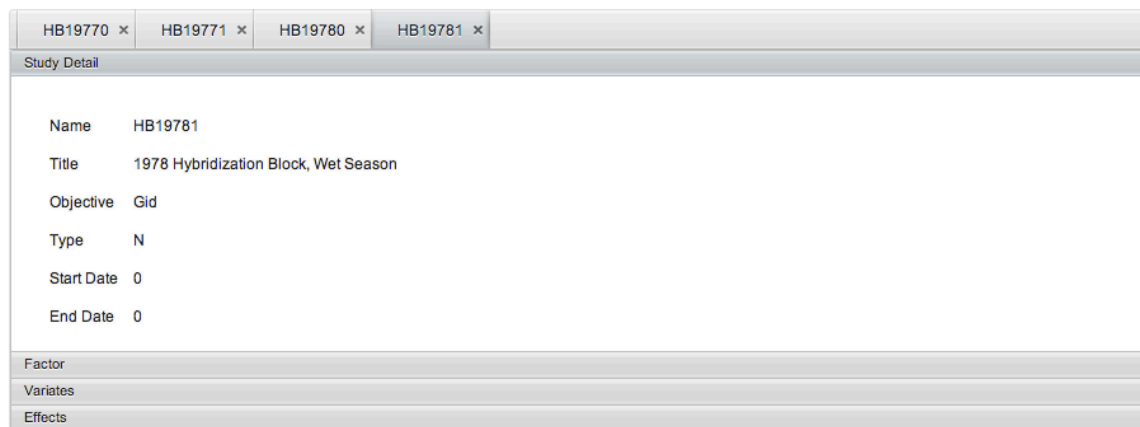
Actions which can be done on the Study Tree panel:

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. Double-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.



Double-clicked on the HB 19770 node on the Study Tree to make its details tab appear on the right.

### 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. The details tab has the following sections:

- Study Details - contains the basic information about the Study
- Factor - displays a table showing information about the factors of the Study, the table columns are: name, description, property, scale, method, datatype
- Variates - displays a table showing information about the variates of the Study, the table columns are: name, description, property, scale, method, datatype
- Effects - shows the datasets of the Study. A tree with three levels is displayed. The first level is the effects of the study. The second level shows the representations/datasets under each effect. And the third level displays the factors included in each dataset. Double-clicking on a dataset/representation name will display the dataset table.
- Dataset - displays a particular dataset in tabular format. The dataset can be exported into a CSV 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.

| HB19770 ×    | HB19771 ×                                       | HB19780 ×                        | HB19781 ×           |               |
|--------------|---|----------------------------------|---------------------|---------------|
| Study Detail |   |                                  |                     |               |
| Factor       |   |                                  |                     |               |
| NAME         | DESCRIPTION                                     | PROPERTY                         | SCALE               | METHOD        |
| DESIGNATION  | -   | GERMPLASM IDENTIFICATION         | Variety Name        | Not Specified |
| ENTRYNO      | -   | GERMPLASM IDENTIFICATION         | Entry Number        | Not Specified |
| GID          | -   | GERMPLASM IDENTIFICATION         | GID                 | Not Specified |
| GRPNO        | -   | GERMPLASM IDENTIFICATION         | Arbitrary No.       | Not Specified |
| NURSERY      | -   | NURSERY                          | Nursery Type        | Not Specified |
| SEASON       | -   | CROP SEASON                      | Season Code 0-1     | Not Specified |
| SOURCE       | -   | GERMPLASM IDENTIFICATION         | Name of seed source | Not Specified |
| STUDY        | -   | STUDY                            | Name                | Not Specified |
| YEAR         | Date when measurements or observations are made | TIME OF MEASUREMENT/ OBSERVATION | Year (YYYY)         | Not Specified |

The Study Details tab with the Factors table being shown

|   |           |           |           |  |
|---|-----------|-----------|-----------|--|
| HB19770 ×   | HB19771 × | HB19780 × | HB19781 × |  |
| Study Detail  |           |           |           |  |
| Factor  |           |           |           |  |
| Variates  |           |           |           |  |
| Effects   |           |           |           |  |
| ▼ Effect 1 --<br>▼ Representation STUDY EFFECT<br>NURSERY<br>YEAR<br>SEASON<br>STUDY<br>▼ Effect 2 --<br>▼ Representation EVALUATION DATA<br>GRPNO<br>ENTRYNO<br>SOURCE<br>DESIGNATION<br>GID<br>NURSERY<br>YEAR<br>SEASON<br>STUDY |           |           |           |  |
| Dataset of Representation EVALUATION DATA   |           |           |           |  |

The Study Details tab with the list of representation/datasets being shown

### Exporting a Dataset to a CSV file

HB19770 × HB19771 × HB19780 × HB19781 ×

Study Detail

Factor

Variates

Effects

Dataset of Representation EVALUATION DATA

| GRPNO | ENTRYNO | SOURCE  | DESIGNATION        | GID     | NURSERY | YEAR   | SEASON | STUDY   | PLTVG | MATURITY | PLT   |
|-------|---------|---------|--------------------|---------|---------|--------|--------|---------|-------|----------|-------|
| 1.0   | HB0303  | HB3     | IR20               | 2298.0  | HB      | 1977.0 | 0.0    | HB19770 | 5.0   | 120.0    | 95.0  |
| 1.0   | HB0313  | HB17    | IR2061-465-1-5-5   | 11072.0 | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 105.0    | 90.0  |
| 1.0   | HB0314  | HB18    | IR2061-522-6-9     | 9818.0  | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 105.0    | 115.0 |
| 1.0   | HB0317  | HB22    | IR2071-105-9-1     | 12586.0 | HB      | 1977.0 | 0.0    | HB19770 | 5.0   | 115.0    | 90.0  |
| 1.0   | HB0318  | HB23    | IR2071-137-5-5-1   | 15149.0 | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 110.0    | 90.0  |
| 1.0   | HB0321  | HB26    | IR2153-26-3-5-6    | 11135.0 | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 120.0    | 100.0 |
| 1.0   | HB0322  | HB28    | IR2153-338-3       | 13128.0 | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 110.0    | 100.0 |
| 1.0   | HB0304  | HB4     | IR22               | 2722.0  | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 120.0    | 90.0  |
| 1.0   | HB0324  | HB30    | IR2307-217-2-3     | 15769.0 | HB      | 1977.0 | 0.0    | HB19770 |       | 108.0    | 84.0  |
| 1.0   | HB0325  | RYT1025 | IR2307-247-2-2-3   | 21263.0 | HB      | 1977.0 | 0.0    | HB19770 | 5.0   | 115.0    | 87.0  |
| 1.0   | HB0323  | HB29    | IR2307-84-2-1-2    | 19822.0 | HB      | 1977.0 | 0.0    | HB19770 |       | 114.0    | 92.0  |
| 1.0   | HB0305  | HB5     | IR24               | 2444.0  | HB      | 1977.0 | 0.0    | HB19770 | 5.0   | 125.0    | 95.0  |
| 1.0   | HB0306  | HB6     | IR26               | 7845.0  | HB      | 1977.0 | 0.0    | HB19770 | 7.0   | 130.0    | 95.0  |
| 1.0   | HB0326  | RYT1283 | IR2786-113-4-3-1-3 | 27176.0 | HB      | 1977.0 | 0.0    | HB19770 | 5.0   | 127.0    | 100.0 |
| 1.0   | HB0327  | HB32    | IR2793-80-2-2      | 20908.0 | HB      | 1977.0 | 0.0    | HB19770 |       | 126.0    | 113.0 |

Export to CSV

The Study Details tab with a dataset table being displayed.

1. Open a Dataset tab for a particular Study on its Details Tab.
2. Press the "Export to CSV" button.
3. Take note of the progress indicator on the upper right corner of the Study Browser.
4. A CSV file with the name "Dataset-Study[id of the study being viewed]-Rep[id of the representation/dataset selected].csv" will be automatically downloaded by the browser being used.