



NEEShub.org – Project Editor Guide

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Brief Description:	Quick start guide for the Project Editor.		

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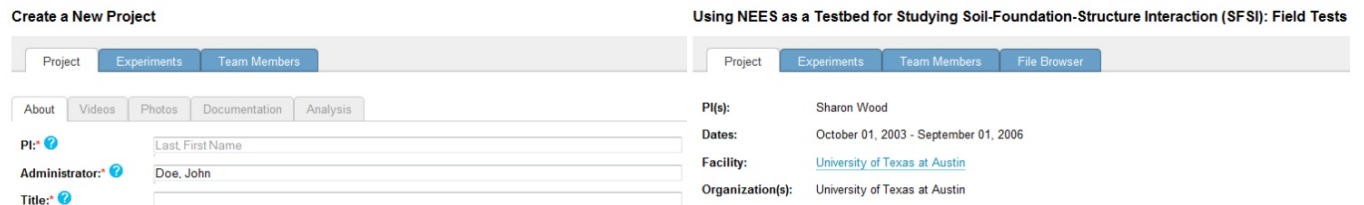
Change History

Description and Version	Created / Updated By	Date of Change
Created quick start guide.	Created / Kari Nasi	11/29/2010
Revised quick start guide.	Updated / Kari Nasi	12/6/2010
Revised to include Release 2 functionality.	Updated / Rachelle Howell	2/11/2011



Introduction

The Project Editor is a capability within the Project Warehouse that allows you to create new projects or modify existing projects. The Project Editor uses a similar tab and field structure as the Project Display, Figure 1, making it easy to navigate and use.



Create a New Project

Project | Experiments | Team Members

About | Videos | Photos | Documentation | Analysis

PI: * ? Last First Name

Administrator: * ? Doe, John

Title: * ?

Using NEES as a Testbed for Studying Soil-Foundation-Structure Interaction (SFSI): Field Tests

Project | Experiments | Team Members | File Browser

PI(s): Sharon Wood

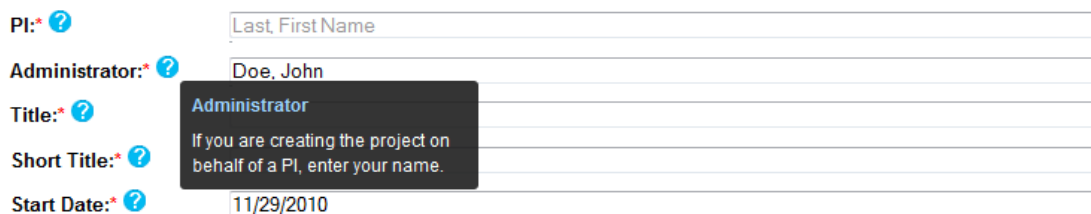
Dates: October 01, 2003 - September 01, 2006

Facility: [University of Texas at Austin](#)

Organization(s): University of Texas at Austin

Figure 1: (Left) Project Editor (Right) Project Display

Throughout the Project Editor, there is field level help indicated by a small white question mark inside a blue circle. ? If you have questions about a label, place your mouse over the white question mark and a help pop-up will appear, Figure 2.



PI: * ? Last, First Name

Administrator: * ? Doe, John

Title: * ?

Short Title: * ?

Start Date: * ? 11/29/2010

Administrator

If you are creating the project on behalf of a PI, enter your name.

Figure 2: Help Pop-up

Additional Resources

Project Explorer for NEES (PEN) – (<http://nees.org/resources/pen>)

- Project modification between local computer and warehouse
- Bulk file upload for created projects
- File organization

Web Services – (<http://nees.org/resources/restws>)

- Intended for users with IT skills
- Project creation/updating
- Bulk file upload

SynchroNEES – (<http://nees.org/resources/synchronees>)

- Provides user interface for group Dropbox
- Flexible file space

Project

Begin by creating a new project. Select the menu option Project Warehouse > Create Project, Figure 3.



Figure 3: Creating a Project

After selecting “Create Project,” you will be directed to the About tab under the Project, Figure 4. You must first save your new project before you can create experiments or modify team members. To save your new project, complete all of the required input fields on the About tab and select Preview/Save Project.

Create a New Project

Project Experiments Team Members

About Videos Photos Documentation Analysis

PI: * ? Last, First Name

Administrator: * ? Doe, John

Title: * ?

Short Title: * ?

Start Date: * ? 11/29/2010

End Date: ? mm/dd/yyyy

Figure 4: Project - About Tab

Warnings

The Project Editor will provide a warning when you try to access details of the project that are not available. For example, if you try to edit the experiments before saving your project, the Project Editor will provide a warning prompting you to save your project first, Figure 5.

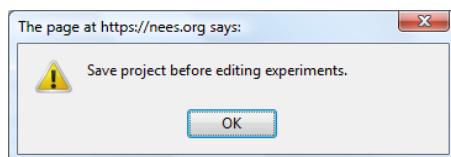


Figure 5: Project Editor Warning

Required Input Fields

Input fields with red asterisks are required by the Project Editor, Figure 6. All other input fields are optional. Not providing a required field yields an error.

PI:* ?	<input type="text" value="Last, First Name"/>
Administrator:* ?	<input type="text" value="Doe, John"/>

Figure 6: Required Input Field

PI(s)/Administrator

By default, you are the Administrator of the project. If you are uploading the data on behalf of another person, enter their name in the PI(s) field. If you have more than one PI on your project, enter the name of the primary PI in the PI(s) field. Additional PIs can be entered using the Team Members tab. All PIs must be registered NEEShub users. The PI and Administrator fields have an auto-suggest option that can help you identify NEEShub users. Begin by typing the last name of the PI or Administrator. Suggested names will appear below the field, Figure 7.


PI:* ?	<input type="text" value="Anders"/>
Administrator:* ?	<input type="text" value="Anderson, Donald (danderson)"/>
Title:* ?	<input type="text" value="Anderson, Ian (ianuvm1)"/>
Short Title:* ?	<input type="text" value="Anderson, Mark (marka)"/>
	<input type="text" value="Anderson, Scott (saccyclistscott)"/>
	<input type="text" value="Anderson, Eric (eanderson)"/>

Figure 7: Auto-suggest for PI or Administrator

Short Title


The content of the short title is displayed inside the tree of the Project Display. The maximum number of characters is sixty (60). Please refrain from using acronyms or prefixes such as NEESR.

Multiple Value Fields

Input fields with a plus button  allow you to add multiple values for a single field. In Figure 8, the displayed project has two (2) organizations. A third organization, University of Minnesota, can be added by selecting the plus button.

Organization: ? +
 -
 -

Figure 8: Multiple Value Fields

If you make a mistake, click the minus button to delete a value . Additional multiple value fields include the Sponsor and Website at the Project level and Equipment at the Experiment level.

Project Photo

Add a project photo by completing the fields on the right side of the page. The grayscale NEES logo shows where the image will appear in the Project Display, Figure 9.



Figure 9: Project Photo

Status

Select if the project is a NEES or non-NEES initiative. Most NEES projects will be created by the curator, Stanislav Pejisa (spejsa@purdue.edu). Please check with Stanislav prior to creating a NEES project to see if your project has already been created.

Security Level

Set the security level by choosing public, protected, or private. By default, projects are private and only team members will be able to view the project.

Experiment

To create a new experiment, go to the Experiments tab and click “Create New Experiment,” Figure 10.

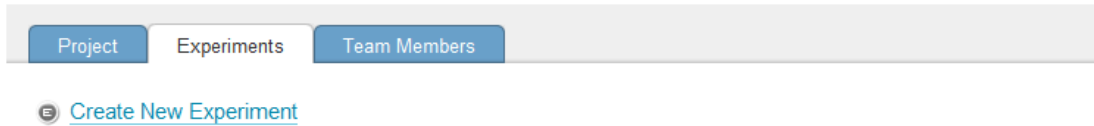


Figure 10: Create New Experiment

After selecting “Create New Experiment,” you will be directed to the About tab under the Experiment, Figure 11. Similar to the Project tab, you must first save your new experiment before you can access the information in the additional tabs. To save your new experiment, complete all of the required input on the About tab and select Save About.

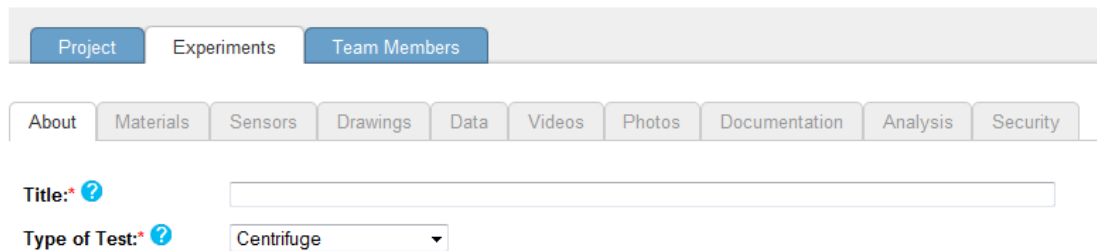


Figure 11: Experiment - About Tab

There are ten (10) tabs at the experiment level. Materials describe the properties of the test specimen. Drawings, Videos, Photos, Documentation, and Analysis upload files to their respective directories.

Adding Equipment

There is a link between the Facility and Equipment of an experiment. First select the experiment’s facility. Once the facility is selected, a list of equipment for that facility will appear, Figure 12.

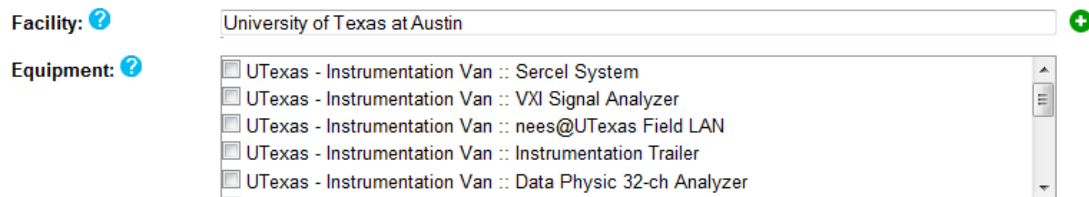


Figure 12: Adding Equipment

Sensors

Use the links on the left of your screen to create sensors lists and upload sensors. To upload multiple sensors, use the Excel file called, “SensorLocation,” Figure 13. You must create a sensor list before uploading sensors.

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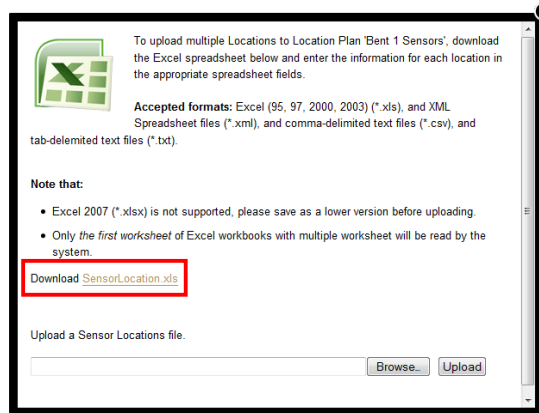
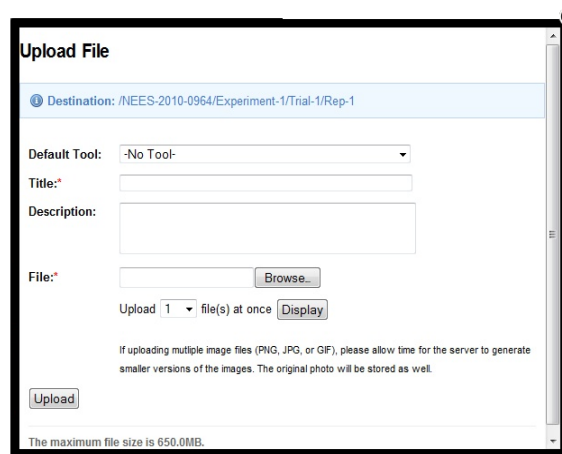


Figure 13: Multiple Sensor Upload

File Upload

When uploading files, the title is a required field. All other fields are optional. Up to fifteen (15) files can be uploaded at once using the Project Editor. A unique title will be generated for multiple file uploads; however, the same description will be used for each file, if a description is provided.



Drawings

Drawing files should be any photo file type. **Currently the BMP photo file type is not supported in NEEShub.** Drawings are further categorized into four groups: Drawing, Drawing – Sensor Layout, Drawing – Specimen, and Drawing – Setup.

Data

The Data tab can be used to upload or edit data files. Use the links on the left of your screen to create new trials and repetitions. By default, the first repetition for a trial is created automatically, along with the Converted, Corrected, Derived, and Unprocessed data directories for that repetition, Figure 14. When uploading files under the Data tab, the Default Tool option will appear. If

applicable, select the tool that should be used to open the file. Currently inDEED is the only tool available.

Data: ?

[Create Trial](#)
[Create Repetition](#)

Upload New File

Location: / NEES-2010-0964 / Experiment-1 / Trial-1 / Rep-1

<input type="checkbox"/>	Name	Directories	Files	Manage
<input type="checkbox"/>	 Converted_Data	0	4	[Edit]
<input type="checkbox"/>	 Corrected_Data	0	0	[Edit]
<input type="checkbox"/>	 Derived_Data	0	4	[Edit]
<input type="checkbox"/>	 Unprocessed_Data	0	0	[Edit]

Figure 14: Data Directories at the Repetition Level

Descriptions for the four data types are provided below:

Unprocessed Data (Raw): Data as they come out of the data acquisition (DA) system. Preferably, these data should be stored in volts or the applicable electrical unit, in tab delimited ASCII files. If data from the DA are provided in engineering units, then the researcher should also provide the calibration values used to process the data, the configuration files for the DA, and any other file required to understand the DA process.

Converted: Data in ASCII¹ format (tab columns), converted from volts to engineering units, and without zero offsets (if applicable). If the DA outputs data meeting this description these files will simply be duplicates of the files under unprocessed data.

Corrected: Data in ASCII¹ (tab separated columns) format in engineering units and may be corrected to exclude noise, malfunctioning sensors, calibration errors, etc.

Derived: Files that include the corrected data plus columns of data that are functions of existing columns. This data may be re-sampled if appropriate. Derived data is what the researcher wants to show to the world.

If applicable, photos and video may also be included under data. If the photo or video is unaltered, then it should be categorized as Unprocessed data. If the photo or video has been altered, then it could be categorized under Corrected or Derived data. Corrected data could be a photo or video that has had lens distortion correction, while Derived data may be a photo or video that has been edited for a presentation.

Videos

¹ ASCII format is preferable. Tools in the Hub have been programmed to work with ASCII format. Other formats may be accepted but may not be supported by Hub tools.

Videos have two options: movie file (i.e. *.mov, *.avi, *.wmv) or frames. If you have a video consisting of frames from a tool such as RDV, zip or tar the directory that holds the images and upload the zip or tar file. Do not upload individual image files.

Photos

Photos are separated into two groups: Data or Other. Data-photos are photo files located in the data directories (Converted, Corrected, Derived, or Unprocessed). To view the Other photos, select the “Other” radio button at the top of the Photo tab, Figure 15.

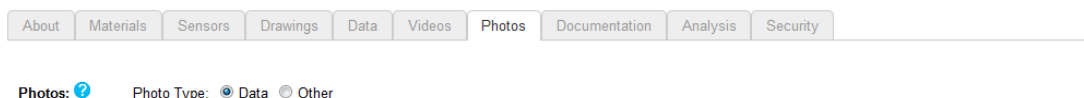


Figure 15: Photo Types

Filmstrip photos appear at the top of the Experiment pages in the Project Display. To select the filmstrip photos, use the “Filmstrip Photo” button in the Photos tab of the Project Editor, Figure 16.

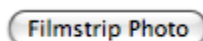


Figure 16: Filmstrip Photo Button

Security Level

The privacy level of an experiment is not connected to the project or other experiments in a project. By default, experiments are private and only team members will be able to view the experiment.

Team Members

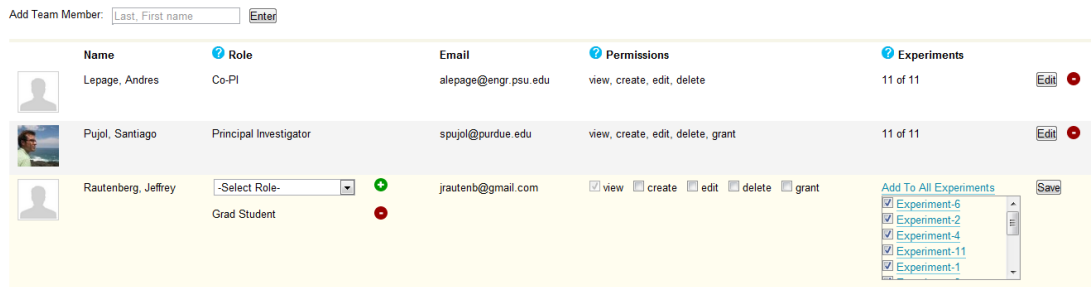
All team members must be registered NEEShub users. If you have grant privileges, you have the ability to add or delete people in a project. To add a new team member, use the Add Team Member field at the top of the page. The field will automatically suggest registered NEEShub users as you type your member’s name.

Additionally, grant privileges allow you to edit the roles and permissions for team members, Table 1.

Table 1: Team Member Roles

Role	Description
View	(Default Role) Team member can view all files in the project and/or experiment
Create	Team member can create new experiments
Edit	Team member can change descriptions, upload files, etc. for the project and/or experiment
Delete	Team member can delete files and experiments
Grant	Team member can add/delete members to the project and control access to experiments

Users with grant permission can also control who has access to the project and who has access to each experiment, Figure 17. For example, you can limit the access to a newly created experiment until initial data verification has been completed. After which you may make the experiment accessible to all team members. It is important to note that data that is not available to all group members is not available to be read by the tools on NEEShub.



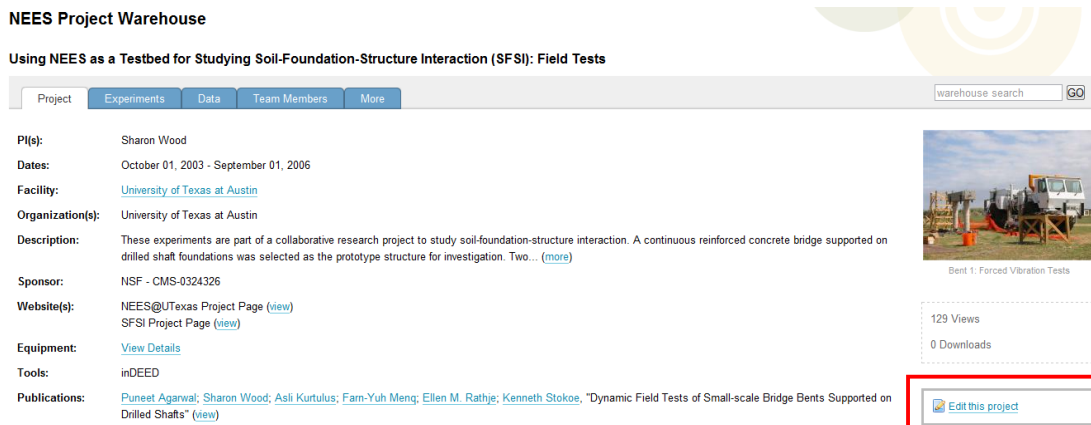
The screenshot shows the 'Add Team Member' form and a table of team members. The table has columns for Name, Role, Email, Permissions, and Experiments. The team members listed are Lepage, Andres (Co-PI), Pujol, Santiago (Principal Investigator), and Rautenberg, Jeffrey (Grad Student). The Rautenberg, Jeffrey row is highlighted in yellow, and a dropdown menu is open showing a list of experiments to be added to all experiments.

Name	Role	Email	Permissions	Experiments
Lepage, Andres	Co-PI	alepage@engr.psu.edu	view, create, edit, delete	11 of 11
Pujol, Santiago	Principal Investigator	spujol@purdue.edu	view, create, edit, delete, grant	11 of 11
Rautenberg, Jeffrey	Grad Student	jrautenb@gmail.com	view, create, edit, delete, grant	11 of 11

Figure 17: Editing Team Members

Editing Projects

After creating your project or experiment, you can easily edit it later. From the main menu on NEEShub, click “My Projects” and select the project you would like to update. On the right side of the page, a link appears that says, “Edit this Project,” Figure 18. A similar link appears for experiments. After clicking the link, you will be redirected to the Project Editor. It should be noted, that you must be logged in to NEEShub for the edit link to appear on your project and experiment pages.



The screenshot shows the 'NEES Project Warehouse' page for a project titled 'Using NEES as a Testbed for Studying Soil-Foundation-Structure Interaction (SFSI): Field Tests'. The page includes a navigation bar with tabs for Project, Experiments, Data, Team Members, and More. The project details are listed on the left, and a large image of a bridge bent is on the right. The 'Edit this project' link is highlighted with a red box.

NEES Project Warehouse

Using NEES as a Testbed for Studying Soil-Foundation-Structure Interaction (SFSI): Field Tests

Project | Experiments | Data | Team Members | More

warehouse search GO

PI(s): Sharon Wood

Dates: October 01, 2003 - September 01, 2006

Facility: [University of Texas at Austin](#)

Organization(s): University of Texas at Austin

Description: These experiments are part of a collaborative research project to study soil-foundation-structure interaction. A continuous reinforced concrete bridge supported on drilled shaft foundations was selected as the prototype structure for investigation. Two... [\(more\)](#)

Sponsor: NSF - CMS-0324326

Website(s): [NEES@UTexas Project Page \(view\)](#)
[SFSI Project Page \(view\)](#)

Equipment: [View Details](#)

Tools: inDEED

Publications: [Puneet Agarwal; Sharon Wood; Asli Kurtulus; Farn-Yuh Meng; Ellen M. Rathje; Kenneth Stokoe, "Dynamic Field Tests of Small-scale Bridge Bents Supported on Drilled Shafts" \(view\)](#)

Bent 1: Forced Vibration Tests

129 Views
0 Downloads

[Edit this project](#)

Figure 18: Edit Project Link

Deleting

Files, Folders, Repetitions, and Trials

Trial-level and repetition-level files and folders as well as the trials and repetitions themselves can be deleted from the data tab of the experiment to which they belong. In order to delete a folder, repetition, or trial, all of the files within the folder, repetition, or trial must first be deleted. Folders, repetitions, and trials that contain empty sub-directories can be deleted without first deleting those empty directories. For example, you can delete a trial that has multiple repetitions as long as those repetitions do not contain any files.

There are two ways to delete files, folders, repetitions, and trials. One is the delete link to the left of the file or folder in the “Manage” column, Figure 19. The other way is the delete button at the bottom of the page, Figure 19. Both delete options will spawn a dialog box prompting you to confirm the deletion, Figure 20. Note that you must check the “I agree” checkbox in order for the delete button to appear at the bottom of the delete confirmation dialog box.

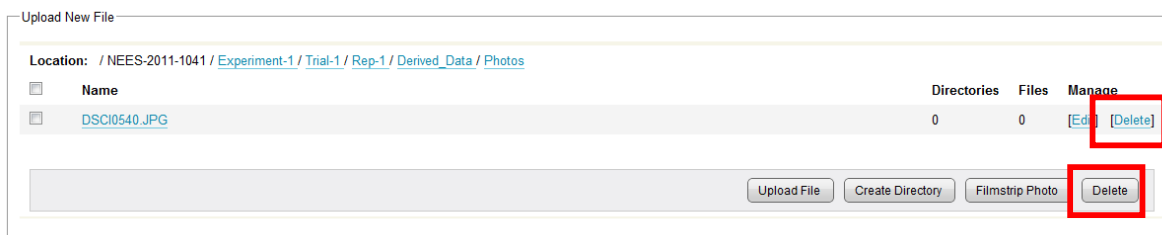


Figure 19: File Delete Options

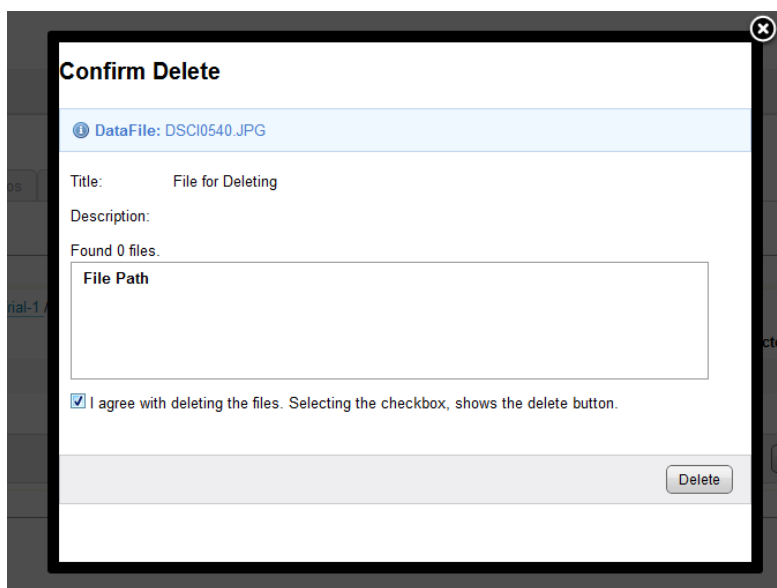
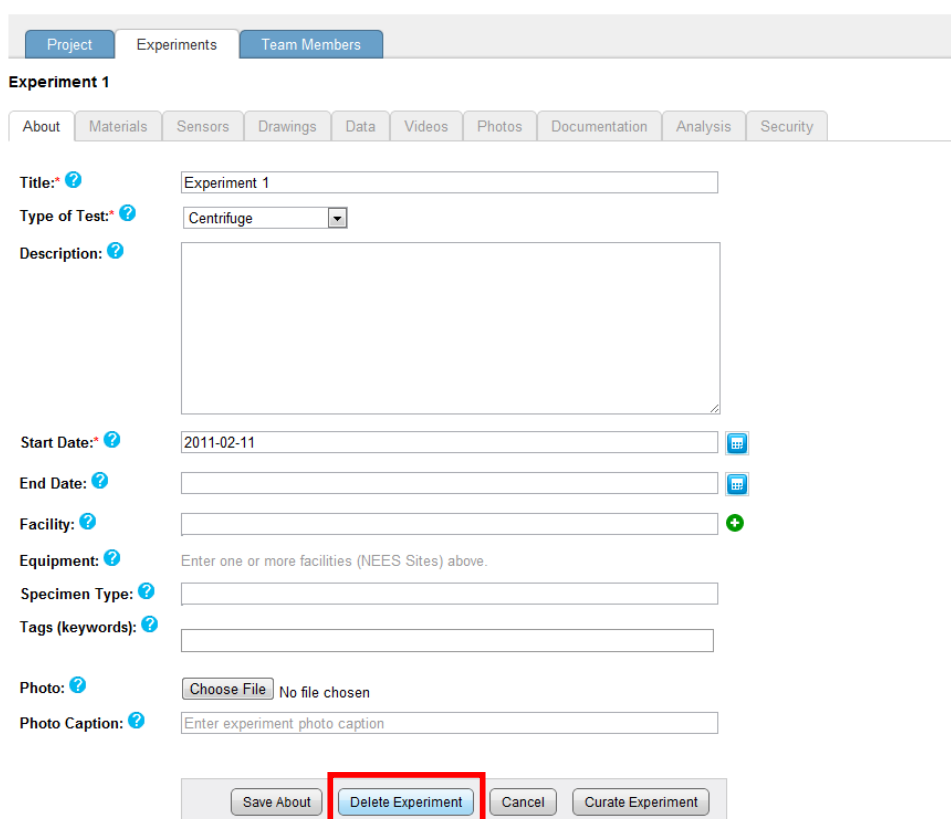


Figure 20: Delete Confirmation Dialog Box

Experiments

Experiments can be deleted from their “About” tab via the “Delete Experiment” button at the bottom of the page, Figure 21. Experiment level files and folders located in the drawings, videos, photos, documentation, and analysis tabs can be deleted in the same way that the data files were deleted, i.e., browse to the appropriate tab and use one of the two delete options. Once all of the files have been removed from the experiment’s repetitions and trials as well as its documentation, analysis, photos, videos, and drawings tabs, that experiment can be deleted. An experiment that contains empty trials, i.e., trials that contain no files, can still be deleted.



The screenshot shows the NEES Project Editor interface. At the top, there are three tabs: 'Project', 'Experiments', and 'Team Members'. Below these, the 'Experiment 1' section is active. It has a sub-header with tabs: 'About', 'Materials', 'Sensors', 'Drawings', 'Data', 'Videos', 'Photos', 'Documentation', 'Analysis', and 'Security'. The 'About' tab is selected. The form contains the following fields:

- Title:** Experiment 1
- Type of Test:** Centrifuge (dropdown menu)
- Description:** (large text area)
- Start Date:** 2011-02-11 (calendar icon)
- End Date:** (calendar icon)
- Facility:** (dropdown menu with a green plus icon)
- Equipment:** Enter one or more facilities (NEES Sites) above.
- Specimen Type:** (text input)
- Tags (keywords):** (text input)
- Photo:** Choose File No file chosen
- Photo Caption:** Enter experiment photo caption

At the bottom of the form, there are four buttons: 'Save About', 'Delete Experiment' (highlighted with a red box), 'Cancel', and 'Curate Experiment'.

Figure 21: Experiment Deletion

Projects

Projects can be deleted from their “About” tab via the “Delete Project” button at the bottom of the page, Figure 22. Project level files and folders located in the videos, photos, documentation, and analysis tabs can be deleted in the same way that experiment level files were deleted, i.e., browse to the appropriate tab and use one of the two delete options. In order to delete a project, there is an additional requirement that all of the files be deleted from the dropbox of the project group (the group that is automatically created when the project is created); this can be done using SynchroNEES or Webdav. Once all of the files have been removed from the project group’s dropbox, the project’s experiments, and the project’s videos, photos, documentation, and analysis tabs, that project can be deleted. A project that contains empty experiments, i.e., experiments that contain no files, can still be deleted. The project group is deleted when the project is deleted.

Website(s): ?

Website Title

https://stage.neeshub.org/warehou

+

Deleting [\(view\)](#)

-

Equipment: ?

Input this information under Experiments.

Publications: ?

Publications are added with [Contribute](#) or editing a file in the project [Documentation](#) tab.

Tags (keywords): ?

Status: * ?

Initiative

By default, the project status will be:

☒ **NEES***

The project is funded by NSF/NEES.

NEES Research Type:

CR - Core Research

☐ **Non-NEES***

The project is funded by someone outside of NSF/NEES.

☐ **Shared-Use***

This project is funded by someone outside of NSF/NEES but uses NEES's resources.

☐ **Practice**

The project is for getting familiar with NEEShub.

☐ **Internal**

The project is for internal to NEEScomm.

Access Settings: * ?

Content Privacy

By default, the project display (except experiments and data tabs) will be:

☒ **public**

Resources are available to any user.

☐ **protected**

Resource titles and descriptions are available to any user but the resource itself is available only to group members.

☐ **private**

Resources are completely hidden from users outside the group.

Preview/Save Project

Delete Project

Curate Project

Figure 22: Project Deletion