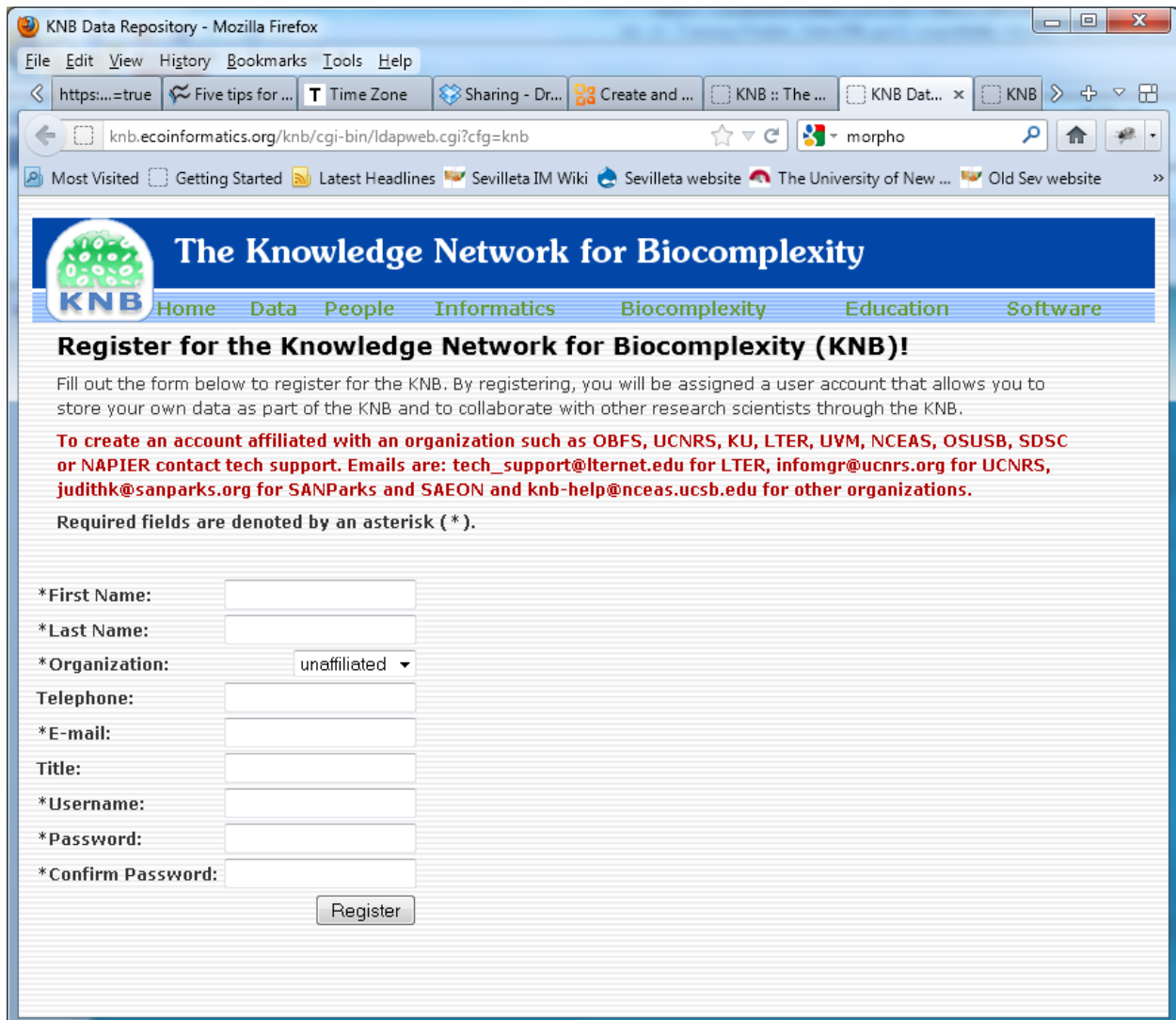


In order to use Morpho, you have to register with the Knowledge Network for Complexity. They created this software.

Go to: <http://knb.ecoinformatics.org/index.jsp> and scroll down to “Login and Registration”. Select ‘Create a New Account’:

Register as an ‘unaffiliated’ Organization. **Be sure to write down your Username and Password!!!**



The screenshot shows a Mozilla Firefox browser window displaying the KNB Data Repository registration page. The browser's address bar shows the URL `knb.ecoinformatics.org/knb/cgi-bin/ldapweb.cgi?cfg=knb`. The page features a blue header with the KNB logo and navigation links: Home, Data, People, Informatics, Biocomplexity, Education, and Software. The main heading is "Register for the Knowledge Network for Biocomplexity (KNB)!". Below this, a paragraph explains the registration process. A red text block provides contact information for creating an account affiliated with various organizations. A note states that required fields are marked with an asterisk (*). The registration form includes input fields for First Name, Last Name, Organization (a dropdown menu currently set to "unaffiliated"), Telephone, E-mail, Title, Username, Password, and Confirm Password. A "Register" button is located at the bottom of the form.

KNB Data Repository - Mozilla Firefox

File Edit View History Bookmarks Tools Help

https://knb.ecoinformatics.org/knb/cgi-bin/ldapweb.cgi?cfg=knb

Five tips for ... Time Zone Sharing - Dr... Create and ... KNB :: The ... KNB Dat... x KNB

Most Visited Getting Started Latest Headlines Sevilleta IM Wiki Sevilleta website The University of New ... Old Sev website

The Knowledge Network for Biocomplexity

Home Data People Informatics Biocomplexity Education Software

Register for the Knowledge Network for Biocomplexity (KNB)!

Fill out the form below to register for the KNB. By registering, you will be assigned a user account that allows you to store your own data as part of the KNB and to collaborate with other research scientists through the KNB.

To create an account affiliated with an organization such as OBFS, UCNRS, KU, LTER, UVM, NCEAS, OSUSB, SDSC or NAPIER contact tech support. Emails are: tech_support@lternet.edu for LTER, infomgr@ucnrs.org for UCNRS, judithk@sanparks.org for SANParks and knb-help@nceas.ucsb.edu for other organizations.

Required fields are denoted by an asterisk (*).

*First Name:

*Last Name:

*Organization:

Telephone:

*E-mail:

Title:

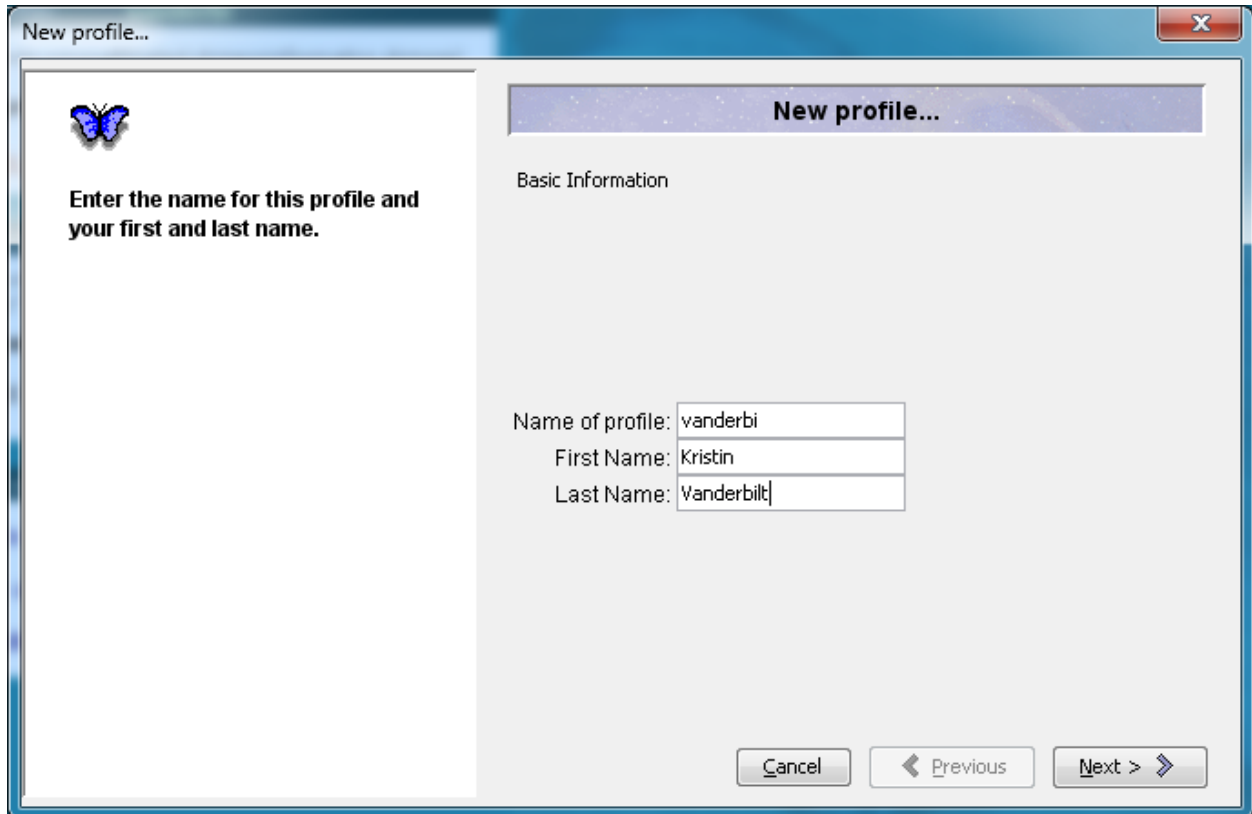
*Username:

*Password:

*Confirm Password:

Then, open Morpho.

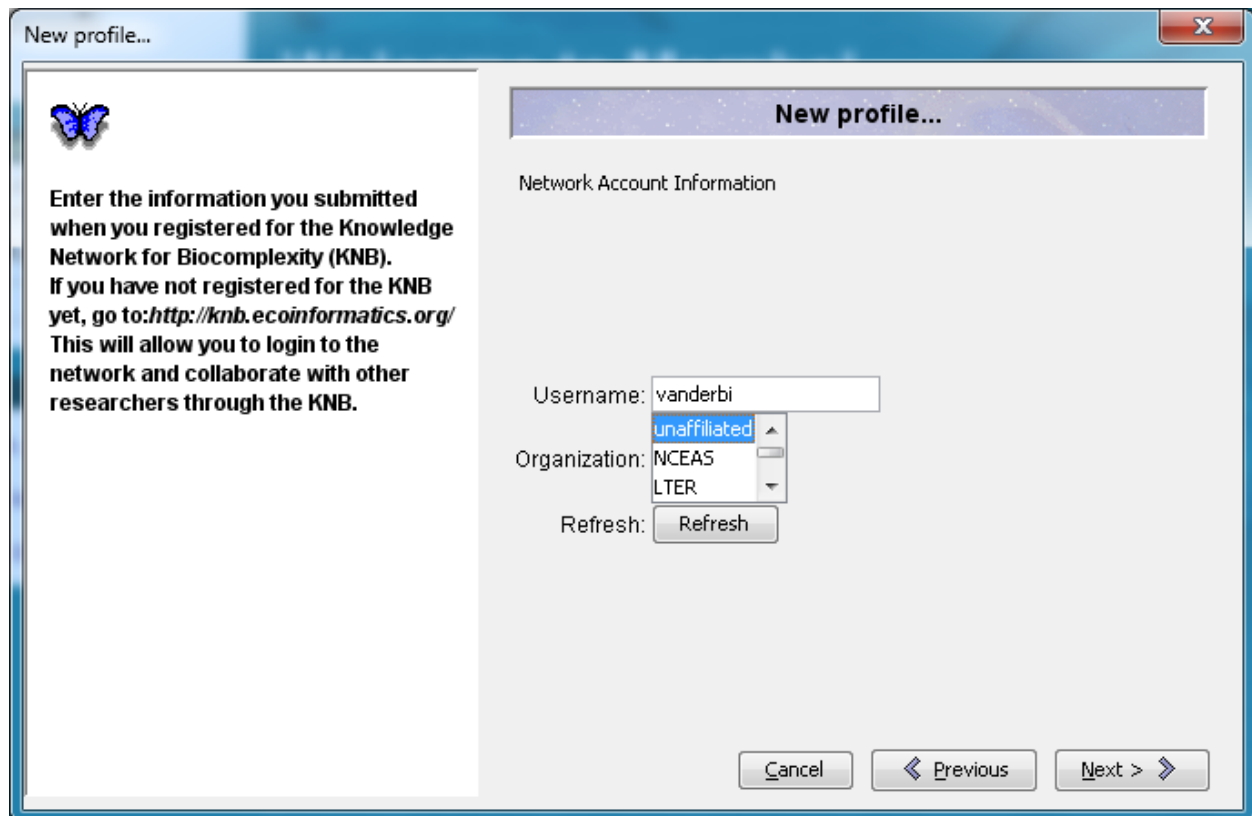
When you first open Morpho, you will be asked to create a user profile. This profile is used on your local machine to manage your data packages (which can consist of metadata, or data plus metadata). Enter a 'Name of Profile' of your choice (it can be anything), and your First Name and Last Name:



The screenshot shows a Windows-style dialog box titled "New profile...". On the left side, there is a blue butterfly icon and the text "Enter the name for this profile and your first and last name." The right side of the dialog has a header bar with the text "New profile..." and a sub-header "Basic Information". Below this, there are three text input fields: "Name of profile:" with the text "vanderbi", "First Name:" with the text "Kristin", and "Last Name:" with the text "Vanderbilt". At the bottom right of the dialog, there are three buttons: "Cancel", "< Previous", and "Next >".


New profile...	
Basic Information	
Name of profile:	vanderbi
First Name:	Kristin
Last Name:	Vanderbilt
<div>Cancel < Previous Next ></div>	

On the next screen, enter the 'Username' you chose when registering for the KNB and 'LTER' for your organization.



The screenshot shows a software window titled "New profile...". On the left, there is a butterfly icon and a text block that reads: "Enter the information you submitted when you registered for the Knowledge Network for Biocomplexity (KNB). If you have not registered for the KNB yet, go to: <http://knb.ecoinformatics.org/> This will allow you to login to the network and collaborate with other researchers through the KNB." The right side of the window is titled "New profile..." and contains the section "Network Account Information". It features a "Username:" label followed by a text input field containing "vanderbi". Below this is an "Organization:" label followed by a dropdown menu with "unaffiliated" selected, and "NCEAS" and "LTER" as other visible options. A "Refresh:" label is next to a "Refresh" button. At the bottom right, there are three buttons: "Cancel", "Previous" (with a left arrow), and "Next" (with a right arrow).

New profile...



Enter the information you submitted when you registered for the Knowledge Network for Biocomplexity (KNB). If you have not registered for the KNB yet, go to: <http://knb.ecoinformatics.org/> This will allow you to login to the network and collaborate with other researchers through the KNB.

New profile...

Network Account Information

Username: vanderbi


Organization: unaffiliated
NCEAS
LTER

Refresh: Refresh

Cancel Previous Next >

On the next screen, enter an Identifier Prefix for your data packages. This can be anything, and will be used to help name your data packages. You can use your profile name, for instance.

New profile...



Enter a short identifier prefix for this profile.
All data packages you create under this profile will bear this identifier prefix. For example, using the prefix 'jane_doe', data packages will have names like jane_doe.1.1, jane_doe.2.1, etc.

New profile...

Data Package Identification

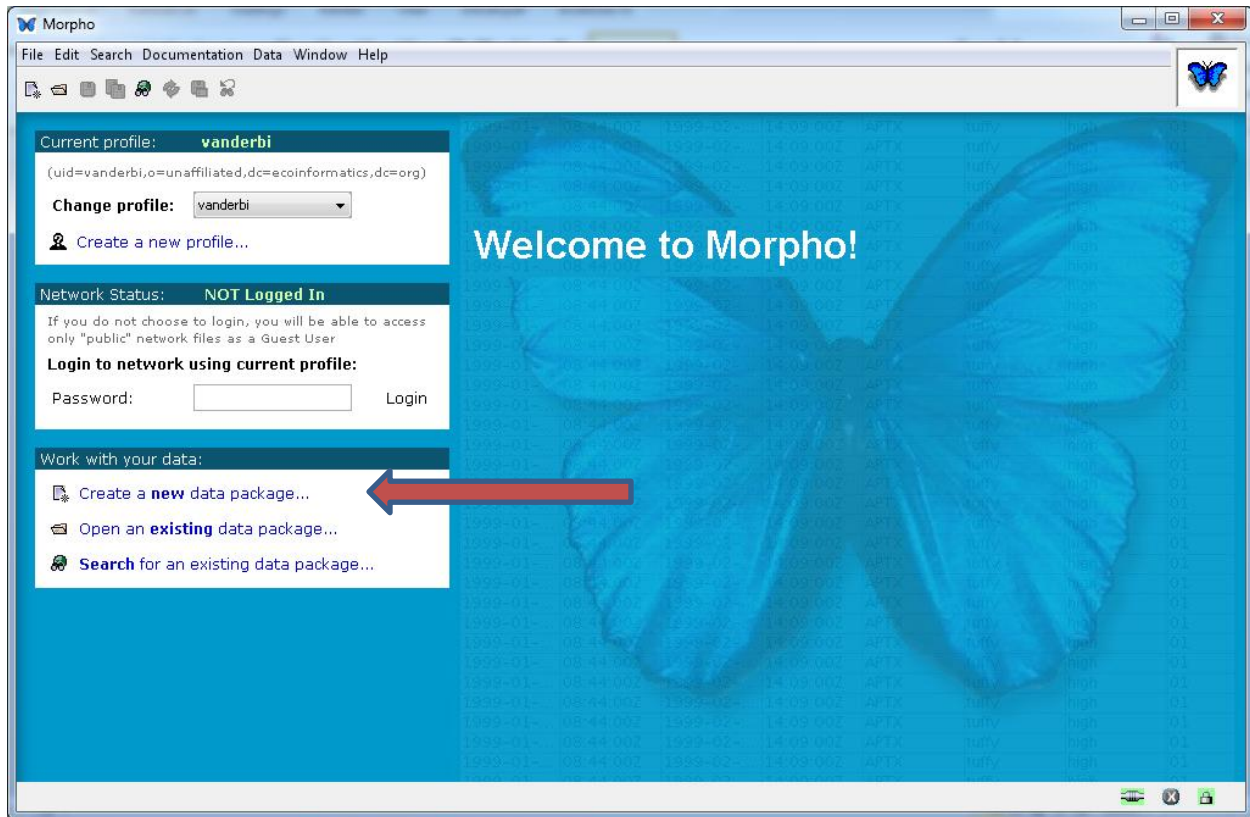
Identifier prefix:

Note: Please do not use "temporary" because it is a reserved word.
Illegal characters: ', '&', '#', ',', '.', '+', '=', '(', ')'

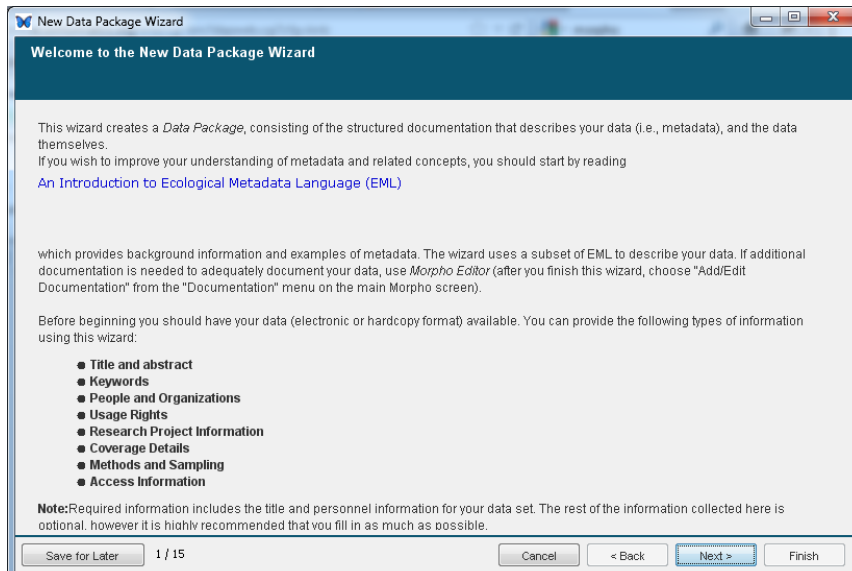
Cancel < Previous Finish

Then click 'Finish', and you will be taken back to this screen:

At this time, we will be working offline, and not connected to the KNB database, so click on the entry that says 'Create a new data package'. (Arrow points to this link in above screenshot).



A Data Package wizard will open and tell you what kind of information you will be entering. Click 'Next'.



On this screen, you will enter the title for your data package. The abstract is not a 'required' element, but you should enter an abstract briefly describing your Hobo study.

Click 'next'.

The screenshot shows a window titled "New Data Package Wizard" with a dark blue header bar. Below the header, the title "Title and abstract" is displayed. The main content area has a light gray background. It contains two sections: "Enter the title of the data package. The title field provides a description of the data that is long enough to differentiate it from other similar data.e.g. Vernal Pool Amphibian Density Data, Isla Vista, CA USA, 1990-1996" and "Enter an abstract that describes the data package. This abstract is a paragraph or more that describes the particular data that are being documented. You may want to describe the objectives, key aspects, design or methods of the study." The title field is a text box containing "My Hobo Data". The abstract field is a larger text box containing "The purpose of these data were to test the hypothesis that etc.". At the bottom of the window, there are four buttons: "Save for Later", "Cancel", "< Back", and "Next >". The "Next >" button is highlighted in blue. To the left of the "Next >" button, the text "2 / 15" is displayed.

Title and abstract

Enter the title of the data package. The title field provides a description of the data that is long enough to differentiate it from other similar data.e.g. Vernal Pool Amphibian Density Data, Isla Vista, CA USA, 1990-1996

Title: My Hobo Data

Enter an abstract that describes the data package. This abstract is a paragraph or more that describes the particular data that are being documented. You may want to describe the objectives, key aspects, design or methods of the study.

Abstract: The purpose of these data were to test the hypothesis that etc.

Save for Later 2 / 15 Cancel < Back Next > Finish

Next you will add keywords. Enter a few terms that would help other users of your data find it in a data catalog. Go to the NBI's Biocomplexity Thesaurus and find at least one term that applies:

http://www.usgs.gov/core_science_systems/csas/biocomplexity_thesaurus/index.html

To add terms, click 'Add' on this screen:

The screenshot shows a window titled "New Data Package Wizard" with a dark blue header bar containing the word "Keywords". Below the header, there is a text block that reads: "Enter the keywords. A data package may have multiple keywords associated with it to enable easy searching and categorization. In addition, one or more keywords may be associated with a 'keyword thesaurus', which allows the association of a data package with an authoritative definition. Thesauri may also be used for internal categorization." Below this text is a large, empty rectangular area with a light gray background, intended for entering keywords. To the right of this area is a vertical stack of buttons: "Add", "Edit", "Delete", "Move Up", and "Move Do...". The "Add" button is highlighted with a blue border. At the bottom of the window, there is a status bar with a "Save for Later" button, a progress indicator "3 / 15", and a row of navigation buttons: "Cancel", "< Back", "Next >", and "Finish".

Keywords

Enter the keywords. A data package may have multiple keywords associated with it to enable easy searching and categorization. In addition, one or more keywords may be associated with a "keyword thesaurus", which allows the association of a data package with an authoritative definition. Thesauri may also be used for internal categorization.

Keywords Thesaurus

Add

Edit

Delete

Move Up

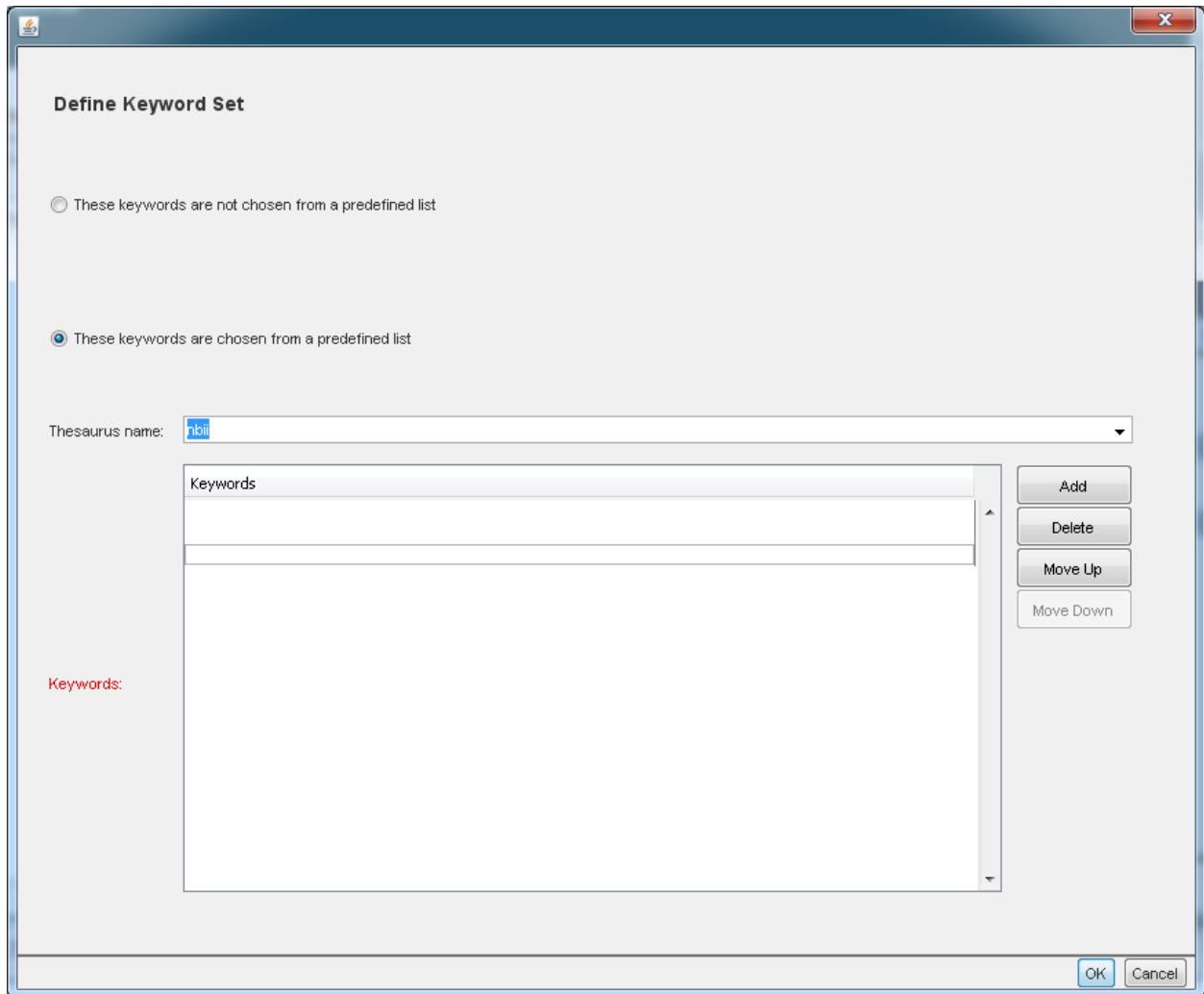
Move Do...

Save for Later 3 / 15 Cancel < Back Next > Finish

Then this screen will appear:

Select These keywords are chosen from a predefined list. From the dropdown list next to Thesaurus name, choose “nbii”

Thank click ‘Add’



The image shows a Windows-style dialog box titled "Define Keyword Set". It has a standard title bar with a close button (X) in the top right corner. Inside the dialog, there are two radio buttons. The first is "These keywords are not chosen from a predefined list" and is unselected. The second is "These keywords are chosen from a predefined list" and is selected. Below the radio buttons is a label "Thesaurus name:" followed by a dropdown menu that currently displays "nbii". To the left of a large, empty list box is the label "Keywords:" in red text. To the right of the list box are four buttons: "Add", "Delete", "Move Up", and "Move Down". At the bottom right of the dialog are "OK" and "Cancel" buttons.

Define Keyword Set

☐ These keywords are not chosen from a predefined list

☒ These keywords are chosen from a predefined list

Thesaurus name: nbii

Keywords:

Add
Delete
Move Up
Move Down

OK Cancel

Add three appropriate keywords, and click OK when you are done.

Thesaurus Lookup (NBII):

Search term:

Concept:

---Narrower terms---	---Broader terms---	---Related terms---
	Biological phenomena	Aestivation
		Dormancy
		Thermoregulatory behavior
		Body temperature
		Temperature tolerance
		Hibernation
		Temperature effects
		Homeotherms
		Thermogenesis

Selected term: Thermoregulatory...

Here you can review or change what keywords you entered:

Click 'Next' when you are done:

The screenshot shows a software window titled "New Data Package Wizard". The current step is "Keywords", indicated by a dark blue header bar. Below the header, there is instructional text: "Enter the keywords. A data package may have multiple keywords associated with it to enable easy searching and categorization. In addition, one or more keywords may be associated with a 'keyword thesaurus', which allows the association of a data package with an authoritative definition. Thesauri may also be used for internal categorization." Below this text is a table with two columns: "Keywords" and "Thesaurus". The "Keywords" column contains the text "Freshwater ecosystems, Aquatic organisms, Thermoregulatory behavior" and the "Thesaurus" column contains "nbi". The row is highlighted in blue. To the right of the table is a vertical stack of buttons: "Add", "Edit", "Delete", "Move Up", and "Move Down". At the bottom of the window, there is a status bar with a "Save for Later" button, a progress indicator "3 / 15", and a set of navigation buttons: "Cancel", "< Back", "Next >" (which is highlighted with a blue border), and "Finish".

Keywords	Thesaurus
Freshwater ecosystems, Aquatic organisms, Thermoregulatory behavior	nbi

Next, you will enter information about the people associated with your dataset. Click 'Next' on this screen.

The screenshot shows a window titled "New Data Package Wizard" with a dark blue header bar containing the text "People and Organizations". The main content area is light gray and contains the following text:

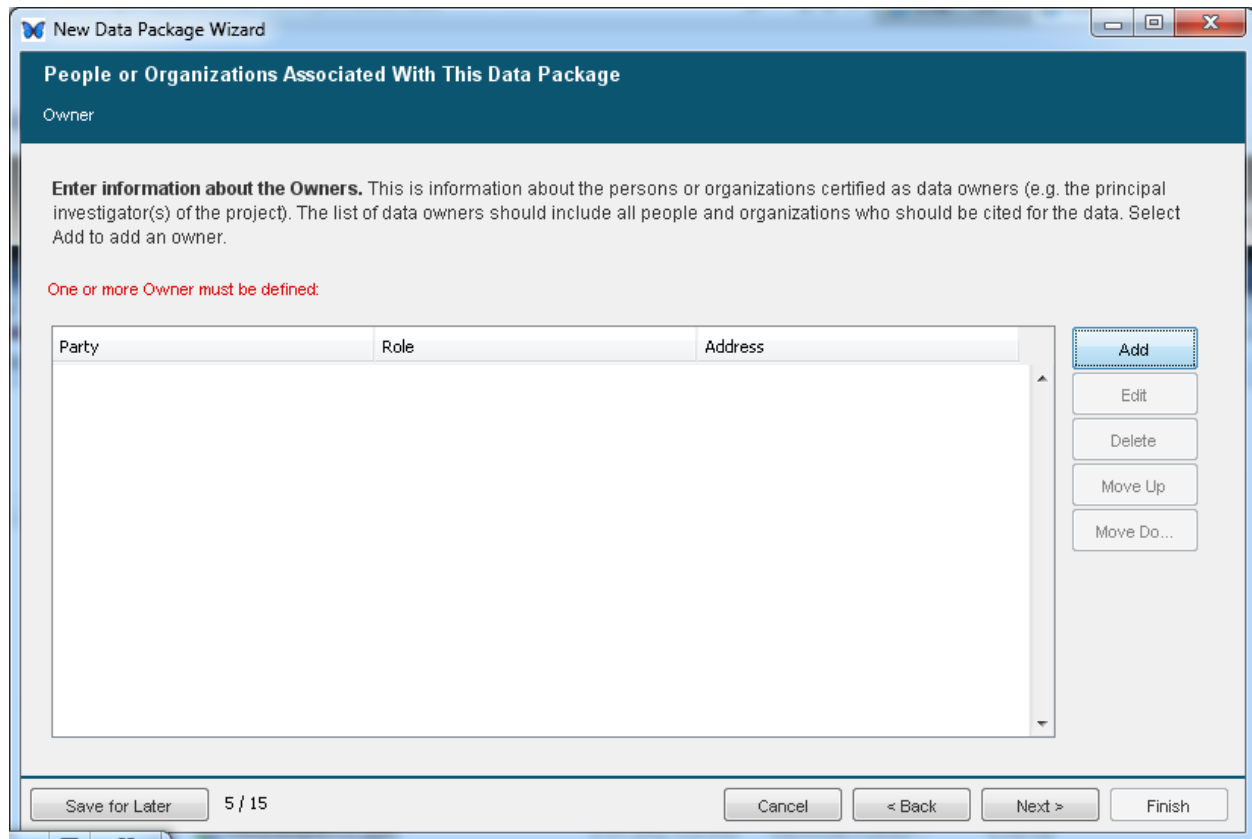
Identify the people and organizations responsible for the data. In the next few screens you will need to provide the following information:

- **Owner** : The person or organization who is credited with
- **Contact** : The primary person or organization to contact with questions regarding the use or interpretation of the data package.
- **Associated Parties** : These are people or organizations that are in some way responsible for the data. They may have assisted in collection of or maintenance of the data or they may have created documentation for the data.

At the bottom of the window, there is a navigation bar with the following elements from left to right:

- A "Save for Later" button.
- A progress indicator showing "4 / 15".
- A "Cancel" button.
- A "< Back" button.
- A "Next >" button, which is highlighted with a blue dashed border.
- A "Finish" button.

You should be considered Owner (principal investigator) on the project. Click 'Add'



New Data Package Wizard

People or Organizations Associated With This Data Package

Owner

Enter information about the Owners. This is information about the persons or organizations certified as data owners (e.g. the principal investigator(s) of the project). The list of data owners should include all people and organizations who should be cited for the data. Select Add to add an owner.

One or more Owner must be defined:

Party	Role	Address
-------	------	---------

Buttons: Add, Edit, Delete, Move Up, Move Do...

Footer: Save for Later, 5 / 15, Cancel, < Back, Next >, Finish

Enter the appropriate information in the screen, and click 'OK'.

Owner Details

You can pick from one of the earlier entries that you have made.

Salutation:

First Name:

One of the three required { Last Name:

Organization:

Position Name:

Address 1:

Address 2:

City: State:

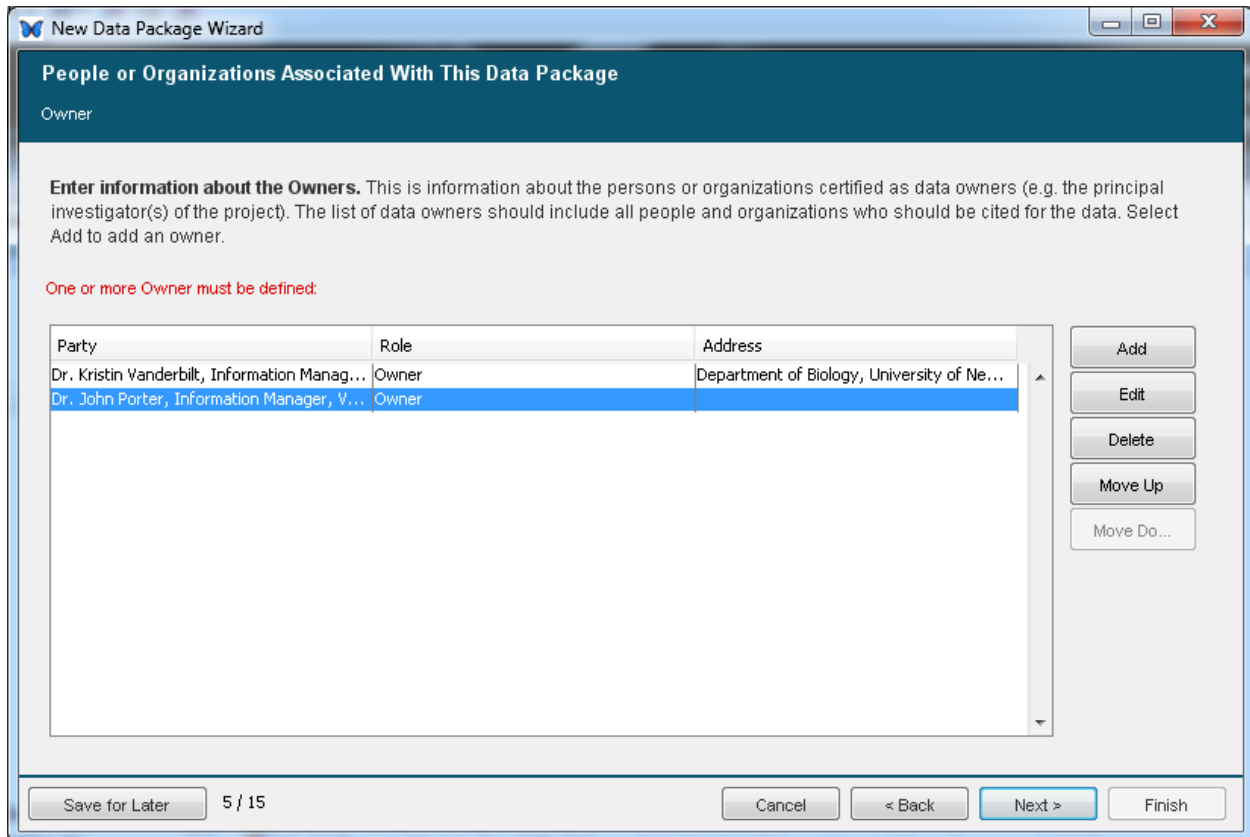
Postal Code: Country:

Phone: Fax:

Email: Online URL:

OK Cancel

If you worked with other people, you can add them as Owners. Click 'Next' once you are done adding owners:



New Data Package Wizard

People or Organizations Associated With This Data Package

Owner

Enter information about the Owners. This is information about the persons or organizations certified as data owners (e.g. the principal investigator(s) of the project). The list of data owners should include all people and organizations who should be cited for the data. Select Add to add an owner.

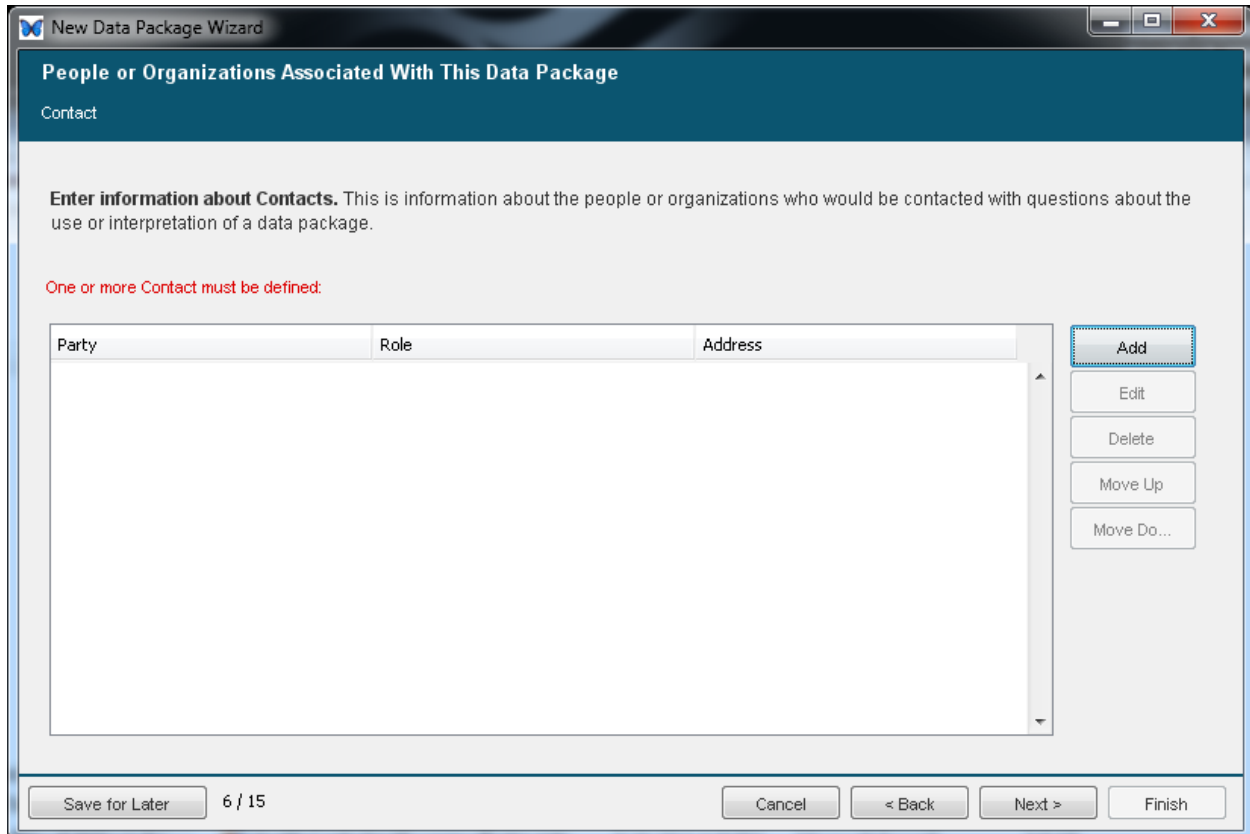
One or more Owner must be defined:

Party	Role	Address
Dr. Kristin Vanderbilt, Information Manag...	Owner	Department of Biology, University of Ne...
Dr. John Porter, Information Manager, V...	Owner	

Add
Edit
Delete
Move Up
Move Do...

Save for Later 5 / 15 Cancel < Back Next > Finish

Now you will add contact information, to designate who should be contacted with questions about this dataset. Click 'Add' on this screen.



The screenshot shows a window titled "New Data Package Wizard" with a dark blue header. Below the header, the text "People or Organizations Associated With This Data Package" is displayed, followed by "Contact". The main area contains instructions: "Enter information about Contacts. This is information about the people or organizations who would be contacted with questions about the use or interpretation of a data package." Below this, a red error message states "One or more Contact must be defined:". A table with three columns: "Party", "Role", and "Address" is shown, but it is empty. To the right of the table are five buttons: "Add", "Edit", "Delete", "Move Up", and "Move Do...". The "Add" button is highlighted with a blue dashed border. At the bottom of the window, there are four buttons: "Save for Later", "6 / 15", "Cancel", "< Back", "Next >", and "Finish".

New Data Package Wizard

People or Organizations Associated With This Data Package

Contact

Enter information about Contacts. This is information about the people or organizations who would be contacted with questions about the use or interpretation of a data package.

One or more Contact must be defined:

Party	Role	Address
-------	------	---------

Add

Edit

Delete

Move Up

Move Do...

Save for Later 6 / 15 Cancel < Back Next > Finish

You are also probably the contact for this data set, so you can use the dropdown list in the upper right corner to select people who have already been entered. Add yourself and anyone else relevant:

Owner Details

You can pick from one of the earlier entries that you have made.

Salutation:

First Name:

Last Name:

Organization:

Position Name:

Address 1:

Address 2:

City: State:

Postal Code: Country:

Phone: Fax:

Email: Online URL:

One of the three required {

Select from a different data package

John Porter VCR LTER Information Manager

Kristin Vanderbilt Sevilleta LTER Information Manager

OK Cancel

When you are done entering contacts, select 'Next' on this screen:

People or Organizations Associated With This Data Package

Contact

Enter information about Contacts. This is information about the people or organizations who would be contacted with questions about the use or interpretation of a data package.

One or more Contact must be defined:

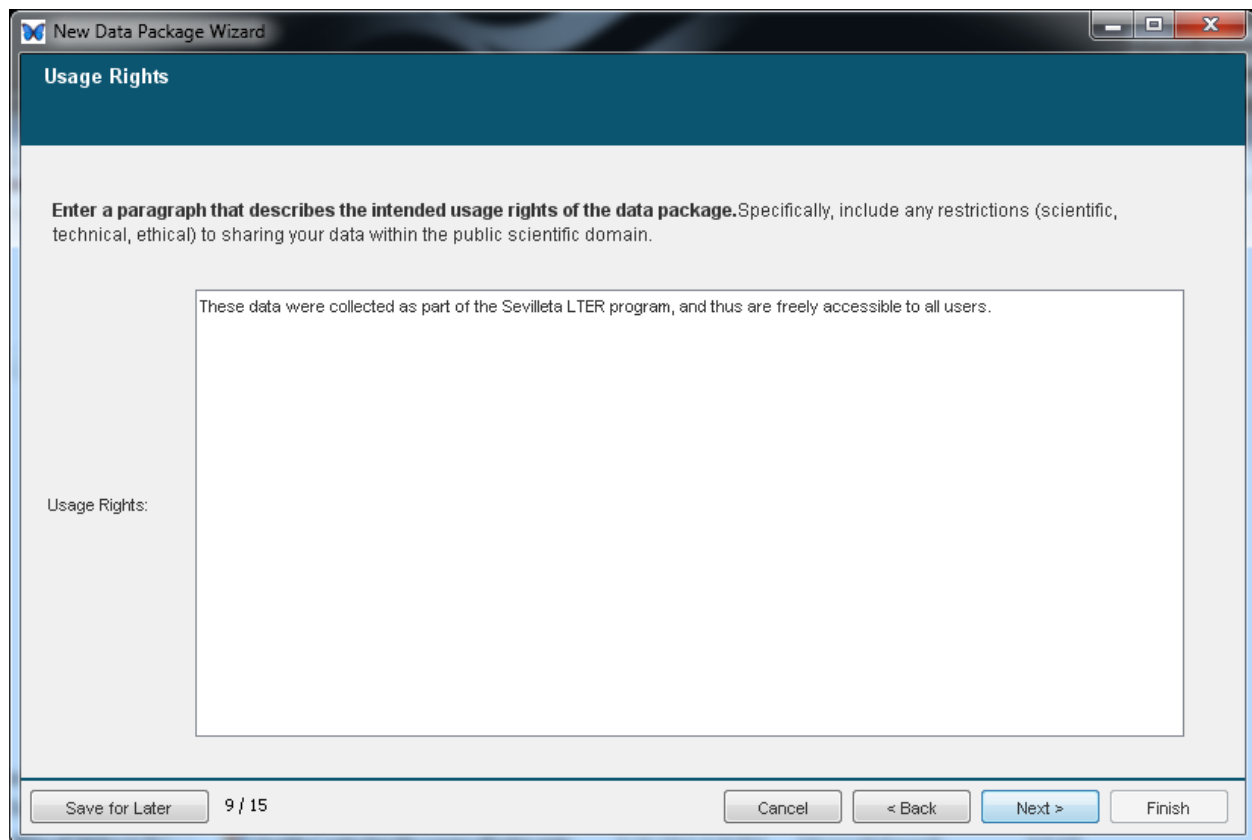
Party	Role	Address
Dr. Kristin Vanderbilt, Information Manager, V...	Contact	Department of Biology, University of Ne...
Dr. John Porter, Information Manager, V...	Contact	Department of Biology, University of Ne...

Buttons: Add, Edit, Delete, Move Up, Move Do...

Bottom: Save for Later, 6 / 15, Cancel, < Back, Next >, Finish

We are not going to enter Associated Parties or Research Project Information, so click 'Next' on the next two screens.

On the Usage Rights screen, indicate any restrictions that you want on the use of your data.



The screenshot shows a window titled "New Data Package Wizard" with a dark blue header bar containing the text "Usage Rights". Below the header, a light gray area contains the instruction: "Enter a paragraph that describes the intended usage rights of the data package. Specifically, include any restrictions (scientific, technical, ethical) to sharing your data within the public scientific domain." A large white text box is provided for input, containing the text: "These data were collected as part of the Sevilleta LTER program, and thus are freely accessible to all users." To the left of this text box, the label "Usage Rights:" is visible. At the bottom of the window, a light gray bar contains four buttons: "Save for Later", "9 / 15", "< Back", and "Next >", followed by a "Finish" button on the far right.

Usage Rights

Enter a paragraph that describes the intended usage rights of the data package. Specifically, include any restrictions (scientific, technical, ethical) to sharing your data within the public scientific domain.

Usage Rights:

These data were collected as part of the Sevilleta LTER program, and thus are freely accessible to all users.

Save for Later 9 / 15 < Back Next > Finish

Next, you can describe the Geographic Coverage of your data. Click 'Add' on this screen:

New Data Package Wizard

Geographic Coverage

Describe the geographic region covered by your data. Use the following screen to provide a complete description or assign one of the existing descriptions.

Description	Geographic Coverage
-------------	---------------------

Add
Edit
Delete
Move Up
Move Do...

Save for Later 10 / 15 Cancel < Back **Next >** Finish

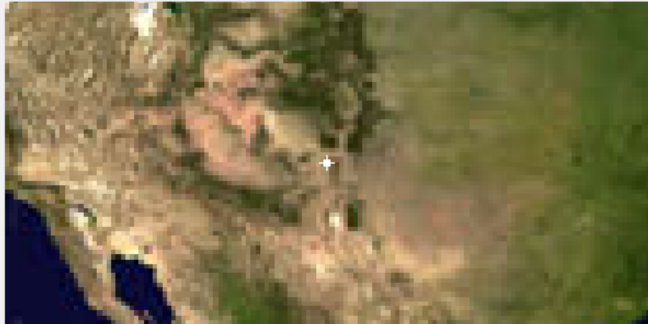
On this screen, enter a description of the study location. A bounding box for the duck pond area is entered below. Click 'OK' when you have entered the coordinates.

Enter a description of the geographic coverage. Enter a general description of the geographic area in which the data were collected. This can be a simple place name (e.g., Santa Barbara) or a fuller description.

Description: UNM Campus Duck Pond, Albuquerque, NM

Set the geographic coordinates which bound the coverage : Latitude and longitude values are used to create a 'bounding box' containing the region of interest. Drag or click on the map and then edit the text boxes if necessary. [Default entries are in fractional degrees. To enter in degrees/minutes/seconds, simply type a space between the degrees, minutes, and seconds values]

Bounding Box:



35.084483 N
106.623026 W 106.621591 W
35.084483 N

Zoom In Zoom Out

☐ Box Tool ☒ Point Tool

Named Regions:

- ACM Wilderness Field Station
- Adirondack Ecological Center
- Alice L. Kibbe Life Science Station
- Angelo Coast Range Reserve UCNRS
- Anheuser Busch Coastal Research Center
- Ano Nuevo Island Reserve UCNRS
- Appleton-Whittell Research Ranch
- Archbold Biological Station

Add Click to add current selection to list.

Delete Click to remove selected region from list.

Sort Click to sort the list of locations.

OK Cancel

Enter 'Next' on this screen:

The screenshot shows a software window titled "New Data Package Wizard" with a dark blue header bar. Below the header, the title "Geographic Coverage" is displayed. A text block instructs the user: "Describe the geographic region covered by your data. Use the following screen to provide a complete description or assign one of the existing descriptions." Below this is a table with two columns: "Description" and "Geographic Coverage". The first row contains the text "UNM Campus, Albuquerque, NM USA" and "West: -107.75; East: -107.75; North: 36.25; South: 36.25". To the right of the table is a vertical stack of buttons: "Add", "Edit", "Delete", "Move Up", and "Move Do...". At the bottom of the window is a footer bar containing a "Save for Later" button, a progress indicator "10 / 15", and four navigation buttons: "Cancel", "< Back", "Next >", and "Finish".

Description	Geographic Coverage
UNM Campus, Albuquerque, NM USA	West: -107.75; East: -107.75; North: 36.25; South: 36.25

Buttons on the right: Add, Edit, Delete, Move Up, Move Do...

Footer: Save for Later, 10 / 15, Cancel, < Back, Next >, Finish

Now you will enter the temporal coverage. Click 'Add' on this screen:

The screenshot shows a window titled "New Data Package Wizard" with a sub-header "Temporal Coverage". Below the header, there is a text instruction: "Enter information about temporal coverage. Temporal coverage can be specified as a single point in time, multiple points in time, or a range thereof." Below this instruction is a large, empty rectangular box labeled "Time Coverages" at its top-left corner. To the right of this box is a vertical stack of five buttons: "Add", "Edit", "Delete", "Move Up", and "Move Do...". At the bottom of the window, there is a horizontal bar containing four buttons: "Save for Later", "11 / 15", "< Back", and "Next >". The "Next >" button is highlighted with a blue border. A "Finish" button is also visible to the right of the "Next >" button.

Enter the Date of your data Collection and select 'OK'.

Define Temporal Coverage

Choose date type :

☒ Single Point in Time

☐ Range of Date/Time

Enter date:

☐ Enter Year Only

☒ Enter Day, Month and Year

May 27, 2012

May 2012

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
18			1	2	3	4	5
19	6	7	8	9	10	11	12
20	13	14	15	16	17	18	19
21	20	21	22	23	24	25	26
22	27	28	29	30	31		

OK Cancel

Click 'Next' on this screen. We are not going to enter taxonomic Coverage data, so click 'Next' on the Taxonomic Coverage screen.

The screenshot shows a software window titled "New Data Package Wizard". The main heading is "Temporal Coverage". Below the heading, a text box says: "Enter information about temporal coverage. Temporal coverage can be specified as a single point in time, multiple points in time, or a range thereof." Below this is a list box labeled "Time Coverages" containing the entry "May 27, 2012". To the right of the list box are five buttons: "Add", "Edit", "Delete", "Move Up", and "Move Do...". At the bottom of the window is a navigation bar with the following elements from left to right: a "Save for Later" button, a progress indicator "11 / 15", a "Cancel" button, a "< Back" button, a "Next >" button, and a "Finish" button.

New Data Package Wizard

Temporal Coverage

Enter information about temporal coverage. Temporal coverage can be specified as a single point in time, multiple points in time, or a range thereof.

Time Coverages
May 27, 2012

Buttons: Add, Edit, Delete, Move Up, Move Do...

Save for Later 11 / 15 Cancel < Back Next > Finish

Now you will enter your methods. Click 'Add' on this screen:

The screenshot shows a software window titled "New Data Package Wizard" with a dark blue header bar containing the text "Methods and Sampling". Below the header, a light gray instruction box reads: "Enter method step description. Method steps describe a single step in the implementation of a methodology for an experiment." Below this is a table with three columns: "Method Step Title", "Method Step Description", and "Instrumentation". The table is currently empty. To the right of the table is a vertical stack of buttons: "Add" (highlighted with a dashed border), "Edit", "Delete", "Move Up", and "Move Do...". Below the table, another light gray instruction box reads: "Study extent description. Describe the temporal, spatial and taxonomic extent of the study. This information supplements the coverage information you may have provided in a previous step." Below this is a text input field labeled "Study Extent". Below that, a third light gray instruction box reads: "Sampling description Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units." Below this is a text input field labeled "Sampling". At the bottom of the window is a footer bar with a "Save for Later" button on the left, a progress indicator "13 / 15" in the center, and four buttons on the right: "Cancel", "< Back", "Next >", and "Finish".

Methods and Sampling

Enter method step description. Method steps describe a single step in the implementation of a methodology for an experiment.

Method Step Title	Method Step Description	Instrumentation
-------------------	-------------------------	-----------------

Add
Edit
Delete
Move Up
Move Do...

Study extent description. Describe the temporal, spatial and taxonomic extent of the study. This information supplements the coverage information you may have provided in a previous step.

Study Extent

Sampling description Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units.

Sampling

Save for Later 13 / 15 Cancel < Back Next > Finish

You can have several method steps. Use as many as you need to describe what you did. It would be a good idea to enter information about the Instrument you are using. Click 'OK' after entering each Method Step.

Enter Method Step Information :

Enter title

Title

Enter description

Description :

Enter Instrumentation Details

Instrumentation :

OK Cancel

For our purposes, there is no need to enter Study Extent Description and Sampling Description. Click 'Next':

New Data Package Wizard

Methods and Sampling

Enter method step description. Method steps describe a single step in the implementation of a methodology for an experiment.

Method Step Title	Method Step Description	Instrumentation
Hobo Data Collection	We laid out three transects running North...	Hobo Data LoggerManufacturer Information

Study extent description. Describe the temporal, spatial and taxonomic extent of the study. This information supplements the coverage information you may have provided in a previous step.

Study Extent

Sampling description Describe the sampling design of the study. For example, you might describe the way in which treatments were assigned to sampling units.

Sampling

Save for Later 13 / 15 Cancel < Back Next > Finish

Now, decide if you want your data to be publicly accessible if it was added to a Metacat, such as the KNB metacat. Yes is the default. Then, choose 'Next':

The screenshot shows a window titled "New Data Package Wizard" with a dark blue header bar. Below the header, the title "Access Information" is displayed. The main content area contains three sections of questions and options:

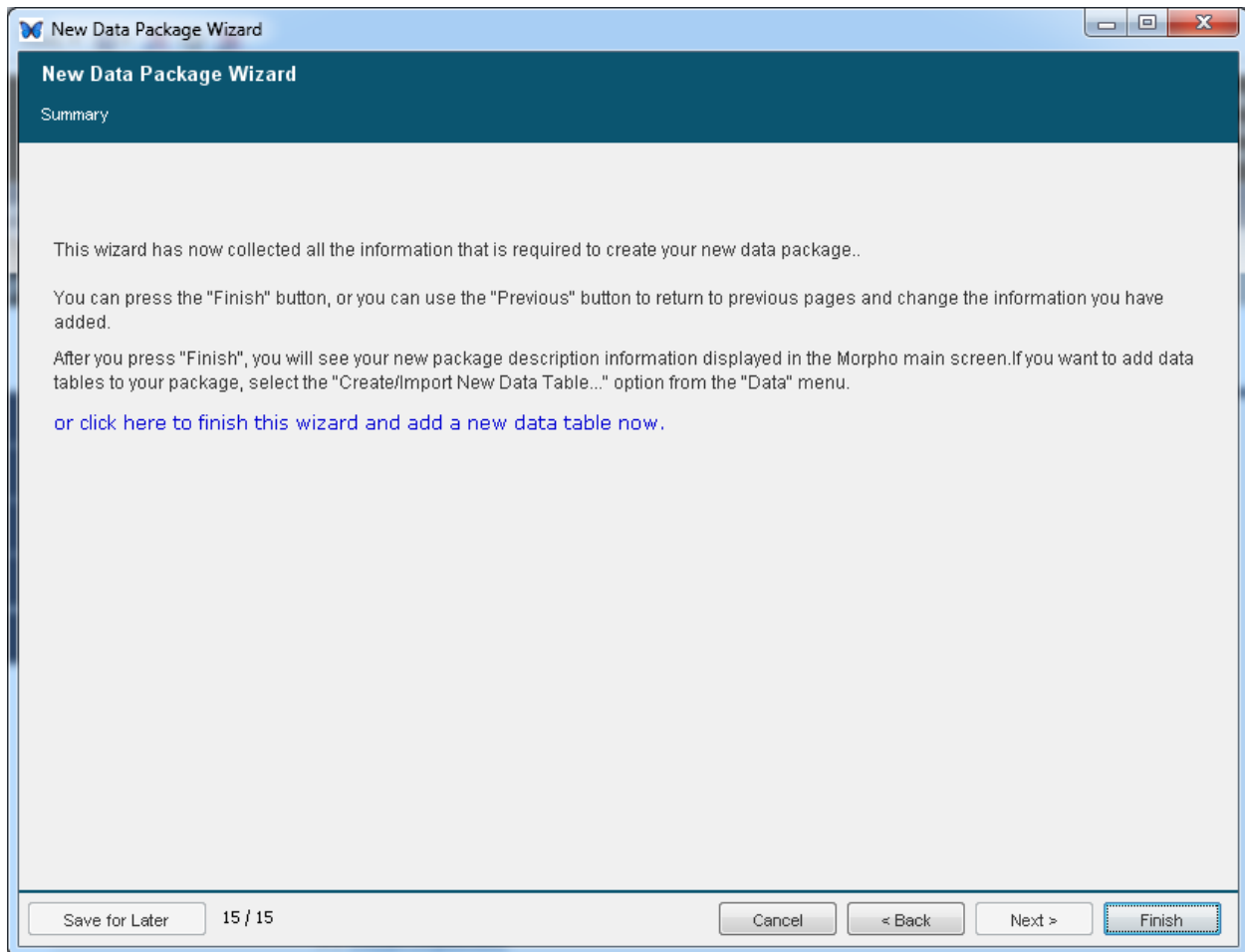
- Would you like to allow the public to read your data entity?**
 - ☒ Yes, give read-only access to public.
 - ☐ No
- Process access rules in this order:**
 - ☒ Allow First
 - ☐ Deny First
- Would you like to give special access rights to other people?** You can specify access for other members of your team or any other person. Use the table below to add, edit and delete access rights to your data package.

Below the third question is a table with four columns: Name, Organization, Email/Description, and Permissions. The table is currently empty. To the right of the table are five buttons: Add, Edit, Delete, Move Up, and Move Do... (partially visible).

At the bottom of the window is a footer bar containing the following elements from left to right: a "Save for Later" button, a progress indicator "14 / 15", a "Cancel" button, a "< Back" button, a "Next >" button (which is highlighted with a blue dashed border), and a "Finish" button.

Now you will be able to add your data table to the metadata package.

Click on the Link (in blue) to “finish this wizard and add a new data table now.”



Select 'Import' and 'Automatic' on this screen.

Click on Locate, and find the file classHOBOData.csv.

Click 'Next'

New Data Table Wizard

Data Location

Describe and optionally include a data table in your data package. You may create a table from scratch and populate it using Morpho's spreadsheet-style data editor, or you can import certain types of existing data files and use the wizard to automatically extract much of the documentation from the data file itself. If you choose the second option, you will be prompted to review the information that is extracted and provide any required fields that can not be generated automatically. You can also choose to manually enter all of the required fields (rather than using the metadata extractor), which is useful for proprietary file types like Excel, or other file types that are not yet supported.

What do you want to do?

- ☐ CREATE - Create a new, empty data table.
- ☒ IMPORT - Import a data file into the package.
- ☐ DESCRIBE - Include only the data file documentation (but not the data file itself) in the package.

How do you want to enter the documentation for the data?

- ☒ AUTOMATIC - Import the data file and extract the documentation for review.
- ☐ MANUAL - Import the data file but enter the documentation manually.

File Location:

Use the "locate" button to locate the data file on your computer:

File Name:

Check the “Column Labels are in starting row” box on this screen:

Then click ‘next’.

New Data Table Wizard

Text Import

This set of screens will create metadata based on the content of the specified data file

Title:

Description:

Start import at row: ☒ Column Labels are in starting row

#	Lines in classHOBOData.csv
1	ID,hobo id,record id,date time,temperature c,light lux,shade open,ground cover,flags
2	255,10081426,112,5/28/2012 14:51,40.64,26178,Vitex agnus-castus,grass,
3	256,10081426,113,5/28/2012 14:52,43.6,26178,Vitex agnus-castus,grass,
4	257,10081426,114,5/28/2012 14:53,46.21,26178,Vitex agnus-castus,grass,
5	258,10081426,115,5/28/2012 14:54,47.76,26178,Vitex agnus-castus,grass,
6	259,10081426,116,5/28/2012 14:55,49.63,26178,Vitex agnus-castus,grass,
7	260,10081426,117,5/28/2012 14:56,50.87,26178,Vitex agnus-castus,grass,
8	261,10081426,118,5/28/2012 14:57,51.57,26178,Vitex agnus-castus,grass,
9	262,10081426,119,5/28/2012 14:58,51.72,26178,Vitex agnus-castus,grass,
10	263,10081426,120,5/28/2012 14:59,51.72,26178,Vitex agnus-castus,grass,
11	264,10081426,121,5/28/2012 15:00,52.14,26178,Vitex agnus-castus,grass,
12	265,10081426,122,5/28/2012 15:01,52.58,26178,Vitex agnus-castus,grass,
13	266,10081426,123,5/28/2012 15:02,53.31,26178,Vitex agnus-castus,grass,
14	267,10081426,124,5/28/2012 15:03,53.9,26178,Vitex agnus-castus,grass,
15	387,10081427,109,5/28/2012 14:48,29.85,231468.2,open,grass,
16	388,10081427,110,5/28/2012 14:49,31.47,231468.2,open,grass,
17	389,10081427,111,5/28/2012 14:50,33.74,231468.2,open,grass,
18	390,10081427,112,5/28/2012 14:51,35.64,231468.2,open,grass,
19	391,10081427,113,5/28/2012 14:52,37.49,231468.2,open,grass,
20	392,10081427,114,5/28/2012 14:53,39.27,231468.2,open,grass,
21	393,10081427,115,5/28/2012 14:54,40.76,231468.2,open,grass,
22	394,10081427,116,5/28/2012 14:55,42.04,231468.2,open,grass,
23	395,10081427,117,5/28/2012 14:56,42.99,231468.2,open,grass,
24	396,10081427,118,5/28/2012 14:57,43.48,231468.2,open,grass,
25	397,10081427,119,5/28/2012 14:58,44.21,231468.2,open,grass,
26	398,10081427,120,5/28/2012 14:59,44.82,231468.2,open,grass,

Save for Later Cancel < Back Next > Finish

Ensure Delimiters = Comma is checked on this screen:

Then click 'next':

New Data Table Wizard

Text Import

If the columns indicated in the table are incorrect, try changing the assumed delimiter(s)

Delimiters: ☐ tab ☒ comma ☐ space ☐ semicolon ☐ other

☐ Treat consecutive delimiters as one

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
hobo_id	record_id	date_time	temperature_c	light_lux	shade_open	ground_cover	flags
10081426	112	5/28/2012 1...	40.64	26178	Vitex agnus-...	grass	
10081426	113	5/28/2012 1...	43.6	26178	Vitex agnus-...	grass	
10081426	114	5/28/2012 1...	46.21	26178	Vitex agnus-...	grass	
10081426	115	5/28/2012 1...	47.76	26178	Vitex agnus-...	grass	
10081426	116	5/28/2012 1...	49.63	26178	Vitex agnus-...	grass	
10081426	117	5/28/2012 1...	50.87	26178	Vitex agnus-...	grass	
10081426	118	5/28/2012 1...	51.57	26178	Vitex agnus-...	grass	
10081426	119	5/28/2012 1...	51.72	26178	Vitex agnus-...	grass	
10081426	120	5/28/2012 1...	51.72	26178	Vitex agnus-...	grass	
10081426	121	5/28/2012 1...	52.14	26178	Vitex agnus-...	grass	
10081426	122	5/28/2012 1...	52.58	26178	Vitex agnus-...	grass	
10081426	123	5/28/2012 1...	53.31	26178	Vitex agnus-...	grass	
10081426	124	5/28/2012 1...	53.9	26178	Vitex agnus-...	grass	
10081427	109	5/28/2012 1...	29.85	231468.2	open	grass	
10081427	110	5/28/2012 1...	31.47	231468.2	open	grass	
10081427	111	5/28/2012 1...	33.74	231468.2	open	grass	
10081427	112	5/28/2012 1...	35.64	231468.2	open	grass	
10081427	113	5/28/2012 1...	37.49	231468.2	open	grass	
10081427	114	5/28/2012 1...	39.27	231468.2	open	grass	
10081427	115	5/28/2012 1...	40.76	231468.2	open	grass	
10081427	116	5/28/2012 1...	42.04	231468.2	open	grass	
10081427	117	5/28/2012 1...	42.99	231468.2	open	grass	
10081427	118	5/28/2012 1...	43.48	231468.2	open	grass	
10081427	119	5/28/2012 1...	44.21	231468.2	open	grass	
10081427	120	5/28/2012 1...	44.82	231468.2	open	grass	
10081427	121	5/28/2012 1...	45.57	231468.2	open	grass	
10081427	122	5/28/2012 1...	46.08	231468.2	open	grass	

Save for Later Cancel < Back Next > Finish

Now, you will define Metadata for Each Attribute/Column. You will need to enter something for every field marked in red.

Below is what I would enter for hobo_id. The id is just a label, which is why I chose 'nominal' as the category of variable.

Click next when you have finished entering the metadata for hobo_id.

New Data Table Wizard

Define Attribute/Column:

Name: hobo_id Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: The identification number of the hobo used. Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
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Category:

- ☒ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female
- ☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High
- ☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius
- ☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin
- ☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Unordered

Choose: Text values (free-form or matching a pattern) Describe a free text domain for the attribute.

Definition: Eight digit number e.g. U.S. telephone numbers in the format (999) 888-7777

Source: e.g. FIPS standard for postal abbreviations for U.S. states

Pattern(s): Patterns are interpreted as regular expressions constraining allowable character sequences. e.g. '[0-9]{3}-[0-9]{3}-[0-9]{4}' allows only numeric digits in the pattern of US phone numbers

Buttons: Save for Later, Cancel, < Back, Next >, Finish

Record_id

New Data Table Wizard

record_id

112
113
114
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122
123
124
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113
114
115
116
117
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119
120
121
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98
99

Define Attribute/Column:

Name: record_id Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: order in which records were collected by the Hobo unit Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
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Add
Delete

Category:

☐ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☒ Ordered : ordered categories (statistically **ordinal**) e.g. : Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g. : 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g. : 273 Kelvin

☐ Date-Time : date or time values from the Gregorian calendar e.g. : 2002-10-24

Ordered

Choose: Text values (free-form or matching a pattern) Describe a free text domain for the attribute.

Definition: integers ranging from 1 to 1000 e.g. U.S. telephone numbers in the format (999) 888-7777

Source: e.g. FIPS standard for postal abbreviations for U.S. states

Pattern(s):

Pattern(s) (optional): Add
Delete

Patterns are interpreted as regular expressions constraining allowable character sequences. e.g. '[0-9]{3}-[0-9]{3}-[0-9]{4}' allows only numeric digits in the pattern of US phone numbers

Save for Later Cancel < Back Next > Finish

dateTime attribute:

New Data Table Wizard

Define Attribute/Column:

Name: dateTime Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: TimeStamp Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation

Category:

☐ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin

☒ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Date-Time

Format: yyyy-mm-dd hh:mm:ss e.g.: YYYY-MM-DDThh:mm:ss, YYYY-MM-DD, hh:mm:ss.sss

Precision: Precision of a date or time measurement, interpreted in the smallest units represented by the datetime format. e.g.: 1 day, 1 hour, 1 minute

Bounds:

Min.	Max.

Add **Delete** Range of permitted values, in same date-time format as used in the format description above. e.g.: if format is "YYYY-MM-DD", a valid minimum would be "2001-05-29"

Save for Later **Cancel** **< Back** **Next >** **Finish**

temperature attribute: For this attribute, you have to choose the category of Unit, and then the unit itself:

New Data Table Wizard

Define Attribute/Column:

Name: temperature_c
Name of the attribute as it appears in the data file

Label:
A more readable label for the attribute

Definition: temperature recorded by Hobo measured in degrees celsius
Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage:
Storage type for this field e.g.: integer, float

Storage System:
The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
--------------------	---------------------------

Category:

- ☐ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female
- ☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High
- ☒ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius
- ☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin
- ☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Relative

Standard Unit: Temperature celsius Define new unit

Precision:
e.g.: for an attribute with unit "meter", a precision of "0.1" would be interpreted as precise to the nearest 1/10th of a meter

Number Type: REAL (+/- fractions & non-fractions: 1/2, 3.14, ...)

Bound: Min. Max. Add Delete

Save for Later Cancel < Back Next > Finish

This dropdown lists categories of units, like 'mass' or 'time'

After you select the category of unit, you can choose

intensityLight attribute: StandardUnit = Illuminance; Unit = lux.

New Data Table Wizard

Define Attribute/Column:

Name: light_lux
Name of the attribute as it appears in the data file

Label:
A more readable label for the attribute

Definition: Light Intensity
Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage:
Storage type for this field e.g.: integer, float

Storage System:
The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation

Category:

- ☐ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female
- ☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High
- ☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius
- ☒ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin
- ☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Absolute

Standard Unit: Illuminance Lux **Define new unit**

Precision: 0.1
e.g.: for an attribute with unit "meter", a precision of "0.1" would be interpreted as precise to the nearest 1/10th of a meter

Number Type: REAL (+/- fractions & non-fractions: -1/2, 3.14...)

Bounds:

Min.	Max.

Buttons: Save for Later, Cancel, < Back, Next >, Finish

Vitex: shrub
Open: Unshaded
Celtis occidentalis: shrub
Platanus hybrida: tree
Styphnolobium: tree
Outside building: Hobo receiving natural light
Inside building: Hobo receiving light from fluorescent bulbs
Euonymus: shrub
Pinus edulis: tree

New Data Table Wizard

Define Attribute/Column:

Name: shade_open
Name of the attribute as it appears in the data file

Label:
A more readable label for the attribute

Definition:
Indicates whether the Hobo was inside or outside a building, and the type of shade it received (if any)
Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage:
Storage type for this field e.g.: integer, float

Storage System:
The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation

Category:

☒ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin

☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Unordered

Choose: Enumerated values (belong to predefined list) Describe any codes that are used as values of the attribute.

Location: Codes are defined here

Definitions:

Code	Definition
outside building	Hobo receiving natural light
inside building	Hobo receiving light from fluorescent bulbs
Euonymus atropurpurea	Eastern Wahoo shrub
Pinus edulis	Pinon pine

☐ Attribute contains free-text in addition to those values listed above

Save for Later Cancel < Back Next > Finish

Ground_cover

New Data Table Wizard

ground_cover

Define Attribute/Column:

Name: ground_cover Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: The type of substrate that the Hobo was placed on for the measurements. Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
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Category:

☒ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin

☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Unordered

Choose: Text values (free-form or matching a pattern) Describe a free text domain for the attribute.

Definition: The type of substrate the Hobo was on. e.g. U.S. telephone numbers in the format (999) 888-7777

Source: e.g. FIPS standard for postal abbreviations for U.S. states

Pattern(s) (optional):

Pattern(s): Patterns are interpreted as regular expressions constraining allowable character sequences. e.g. [0-9]{3}-[0-9]{3}-[0-9]{4} allows only numeric digits in the pattern of US phone numbers

Save for Later Cancel < Back Next > Finish

Flags:

New Data Table Wizard

Define Attribute/Column:

Name: flags Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: Codes that clarify the content of the data record Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
--------------------	---------------------------

Category:

☒ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin

☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Unordered

Choose: Enumerated values (belong to predefined list) Describe any codes that are used as values of the attribute.

Location: Codes are defined here

Definitions:

Code	Definition
sun spot	Hobo was placed in the shade but ended up being in a sunny spot in an otherwi...
cloud	A cloud passed over the sun during the measurements!

☐ Attribute contains free-text in addition to those values listed above

Buttons: Save for Later, Cancel, < Back, Next >, Finish

Site_id:

The screenshot shows a 'Define Attribute/Column' dialog box for the attribute 'site_id'. The dialog is divided into several sections: 'Name', 'Label', 'Definition', 'Storage', 'Storage System', 'Missing Values', 'Category', and 'Unordered'. The 'Name' field is filled with 'site_id'. The 'Label' field is empty. The 'Definition' field contains the text 'Identification number of the site where data was collected'. The 'Storage' field is empty. The 'Storage System' field is empty. The 'Missing Values' section has a table with two columns: 'Missing Value Code' and 'Missing Value Explanation'. The 'Category' section has five radio buttons: 'Unordered' (selected), 'Ordered', 'Relative', 'Absolute', and 'Date-Time'. The 'Unordered' section has a 'Choose' dropdown set to 'Enumerated values (belong to predefined list)' and a 'Location' dropdown set to 'Codes are defined here'. Below these is a table with four columns: 'Code', 'Definition', and two empty columns. The table contains four rows of data. At the bottom, there is a checkbox labeled 'Attribute contains free-text in addition to those values listed above' which is unchecked. The dialog has 'OK' and 'Cancel' buttons at the bottom right.

Define Attribute/Column:

Name: site_id Name of the attribute as it appears in the data file

Label: A more readable label for the attribute

Definition: Identification number of the site where data was collected Define the contents of the attribute (or column) precisely, so that a data user could interpret the attribute accurately.
e.g.: "spden" is the number of individuals of all macro invertebrate species found in the plot

Storage: Storage type for this field e.g.: integer, float

Storage System: The system used to define the storage types e.g.: C, Java, Oracle

Missing Values:

Missing Value Code	Missing Value Explanation
--------------------	---------------------------

Category:

☒ Unordered : unordered categories or text (statistically **nominal**) e.g.: Male, Female

☐ Ordered : ordered categories (statistically **ordinal**) e.g.: Low, High

☐ Relative : values from a scale with equidistant points (statistically **interval**) e.g.: 12.2 degrees Celsius

☐ Absolute : measurement scale with a meaningful zero point (statistically **ratio**) e.g.: 273 Kelvin

☐ Date-Time : date or time values from the Gregorian calendar e.g.: 2002-10-24

Unordered

Choose: Enumerated values (belong to predefined list) Describe any codes that are used as values of the attribute.

Location: Codes are defined here

Code	Definition
1	Celtis occidentalis (latitude = 35.08519 ; longitude= -106.621827)
2	Euonymus atropurpurea (latitude = 35.085611; longitude = -106.622229)
3	inside building
4	open

☐ Attribute contains free-text in addition to those values listed above

OK Cancel

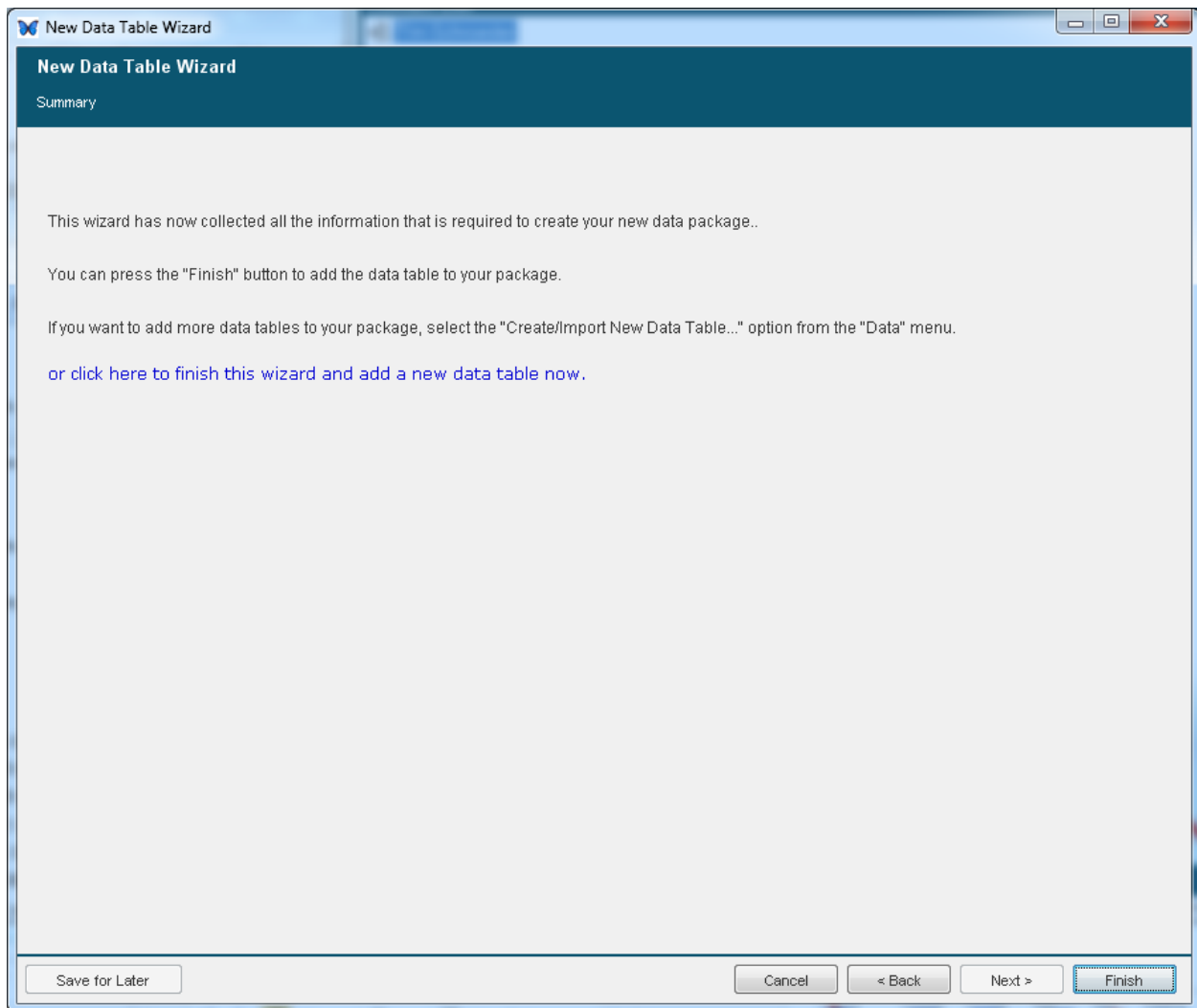
Here is a table of Site_id and definitions. You don't need to enter all the latitudes and longitudes.

tbl_auth_shade_open.xlsx [Read-Only]

	A	B	C	D	E
1	site_id	shade_open	lat	long	
2	1	Celtis occidentalis	35.08519	-106.621827	
3	2	Euonymus atropurpurea	35.085611	-106.622229	
4	3	inside building	35.083562	-106.621647	
5	4	open	35.084503	-106.622088	
6	5	outside building	35.084298	-106.622378	
7	6	Pinus edulis	35.085448	-106.622316	
8	7	Platanus hybrida	35.085624	-106.62223	
9	8	Styphnolobium japonicum	35.084775	-106.622657	
10	9	Vitex agnus-castus	35.084447	-106.622179	
11					
12					

tbl_auth_shade_open

Yay!!! You are done. Click Finish on this screen:



On this screen, go to File -> SAVE. Save the DataPackage Locally.

Data Package: temporary.4.1

File Edit Search Documentation Data Window Help

Vanderbilt: **My Hobo Data**
Accession Number: temporary.4.1 Keywords:
[more](#)

classHOBOData.csv

text	text	date	real	real	text	text	text
hobo_id	record_id	date_time	temp				
10081426	112	2012-05-28 1...	40.64				
10081426	113	2012-05-28 1...	43.6				
10081426	114	2012-05-28 1...	46.21				
10081426	115	2012-05-28 1...	47.76				
10081426	116	2012-05-28 1...	49.63				
10081426	117	2012-05-28 1...	50.87				
10081426	118	2012-05-28 1...	51.57				
10081426	119	2012-05-28 1...	51.72				
10081426	120	2012-05-28 1...	51.72				
10081426	121	2012-05-28 1...	52.14				
10081426	122	2012-05-28 1...	52.58				
10081426	123	2012-05-28 1...	53.31				
10081426	124	2012-05-28 1...	53.9				
10081427	109	2012-05-28 1...	29.85				
10081427	110	2012-05-28 1...	31.47				
10081427	111	2012-05-28 1...	33.74				
10081427	112	2012-05-28 1...	35.64	231468.2	open	grass	
10081427	113	2012-05-28 1...	37.49	231468.2	open	grass	
10081427	114	2012-05-28 1...	39.27	231468.2	open	grass	
10081427	115	2012-05-28 1...	40.76	231468.2	open	grass	
10081427	116	2012-05-28 1...	42.04	231468.2	open	grass	
10081427	117	2012-05-28 1...	42.99	231468.2	open	grass	
10081427	118	2012-05-28 1...	43.48	231468.2	open	grass	

Save Current DataPackage

Please choose where you would like to save the data package.

☒ Save Locally
☐ Save to Network

Save Cancel

Metadata

Entity/Attribute

Selected column

Entity

Entity Description

Name: classHOBOData.csv

Online Distribution Info:

Download

File: ecogrid://knb/vanderbi.7.1

Physical Structure Description:

Object Name: classHOBOData.csv

Size: 44682 byte

Number of Header: 1

Lines:

Record Delimiter: #x0A

Text Format: Attribute Orientation: column

Simple Field Delimited: Delimited:

Number Of

On this screen, select Documentation -> View Documentation. Then you can look at all the metadata you entered.

Data Package: vanderbi.10.1

File Edit Search Documentation Data Window Help

Dr. Kristin Vanderbilt: **Temperature and Light Data from Hobo Thermoregulation Study, UNM Campus, August 2012**
Accession Number: vanderbi.10.1 Keywords: Freshwater ecosystems, Aquatic organisms, Thermoregulatory behavior
[more](#)

local

text	text	date	real celsius	real lux	text	text	text
hobo_id	record_id	dateTime	temperature	light_lux	shade_open	ground_cover	flags
10081426	112	2012-05-28 1...	40.64	26178	Vitex agnus-c...	grass	
10081426	113	2012-05-28 1...	43.6	26178	Vitex agnus-c...	grass	
10081426	114	2012-05-28 1...	46.21	26178	Vitex agnus-c...	grass	
10081426	115	2012-05-28 1...	47.76	26178	Vitex agnus-c...	grass	
10081426	116	2012-05-28 1...	49.63	26178	Vitex agnus-c...	grass	
10081426	117	2012-05-28 1...	50.87	26178	Vitex agnus-c...	grass	
10081426	118	2012-05-28 1...	51.57	26178	Vitex agnus-c...	grass	
10081426	119	2012-05-28 1...	51.72	26178	Vitex agnus-c...	grass	
10081426	120	2012-05-28 1...	51.72	26178	Vitex agnus-c...	grass	
10081426	121	2012-05-28 1...	52.14	26178	Vitex agnus-c...	grass	
10081426	122	2012-05-28 1...	52.58	26178	Vitex agnus-c...	grass	
10081426	123	2012-05-28 1...	53.31	26178	Vitex agnus-c...	grass	
10081426	124	2012-05-28 1...	53.9	26178	Vitex agnus-c...	grass	
10081427	109	2012-05-28 1...	29.85	231468.2	open	grass	
10081427	110	2012-05-28 1...	31.47	231468.2	open	grass	
10081427	111	2012-05-28 1...	33.74	231468.2	open	grass	
10081427	112	2012-05-28 1...	35.64	231468.2	open	grass	
10081427	113	2012-05-28 1...	37.49	231468.2	open	grass	
10081427	114	2012-05-28 1...	39.27	231468.2	open	grass	
10081427	115	2012-05-28 1...	40.76	231468.2	open	grass	
10081427	116	2012-05-28 1...	42.04	231468.2	open	grass	
10081427	117	2012-05-28 1...	42.99	231468.2	open	grass	
10081427	118	2012-05-28 1...	43.48	231468.2	open	grass	

classHOBOData.csv

Metadata

< Back Entity/Attribute

Selected column Entity

Entity Description

Name: classHOBOData.csv

Online Distribution Info:

Download

File: ecogrid://kmb/vanderbi.9.1

Physical Structure Description:

Object

Name: classHOBOData.csv

Size: 44681 byte

Number of Header: 1

Lines:

Record

Text Delimiter: #x0A

Format:

Attribute

Orientation: column

Simple Field

Delimited: Delimited:

Number Of

Scroll down to see all the metadata that you entered:

Attribute Orientation:	column
Simple Delimited:	Field Delimiter: ,
Number Of Records: 1735	
Attribute(s) Info:	
Attribute Description (label and definition)	Measurement Type and Domain
obsNum - Observation Number	Unit: number Type: natural interval
serialNo - Serial Number of Hobo used.	Unit: number Type: natural interval
recNo - Record Number	Unit: number Type: natural interval
dateTime - TimeStamp	Format: YYYY-MM-DDThh:mm:ss Precision: dateTime
temperatureC - Temperature in degrees C	Unit: celsius Type: real ratio
intensityLight - Light intensity as measured by Hobo	Unit: lux Type: real ratio
Data Set Owner(s):	
Individual:	Dr. Kristin Vanderbilt
Organization:	Sevilleta LTER
Position:	Information Manager
Address:	Department of Biology, University of New Mexico, Albuquerque, NM 87131
Email Address:	vanderbi@sevilleta.unm.edu
Individual:	Dr. John Porter
Organization:	VCR LTER
Position:	Information Manager
Abstract:	
The purpose of these data were to test the hypothesis that etc.	
Keywords:	
● aquatic organisms ● Hobo	
License and Usage Rights:	
These data were collected as part of the Sevilleta LTER program, and thus are freely accessible to all users.	
Geographic Coverage:	
Geographic Description:	UNM Campus, Albuquerque, NM USA
West:	-107.75 degrees
East:	-107.75 degrees

The actual EML file is stored in:

If you double-click on it, it should open in Notepad and you can see the XML structure.

