

Subi data archive user guide *subi - Organizing radiobiology*

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This document will teach you how to install and use the subi data archive, subi, to organize animal records. The most up to-date copy of this document is available online at <http://janus.northwestern.edu/subi>.

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About subi

subi makes it easy to organize a radiobiology archive and search through the results. It is written as a web application that runs on a local server. This means it is private but could easily be made public on the web or shared on a local network.

The current version, 0.2, is not complete. There will be bugs and missing features. Please send your feedback to Ben at benjamin.haley@gmail.com so that he can make improvements.

Requirements

subi runs on a windows 32 bit system on firefox or chrome.

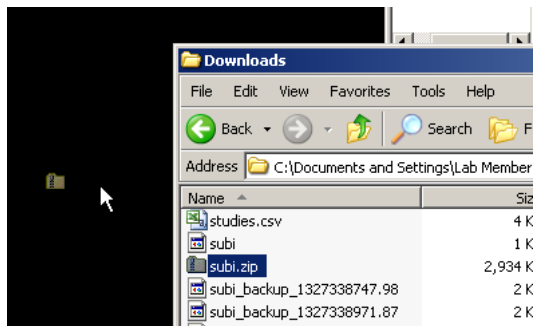
It does not work in internet explorer.

Installing subi

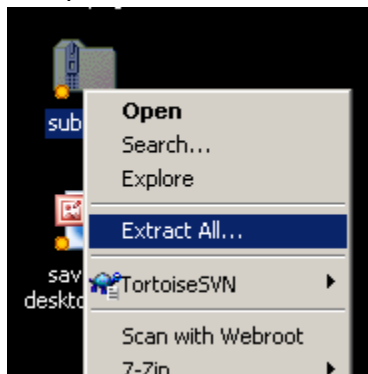
Begin by downloading subi

janus.northwestern.edu/subi/subi.zip

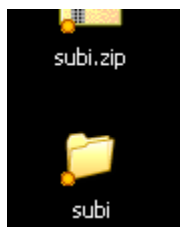
Open your downloads folder and move the subi file to the desktop



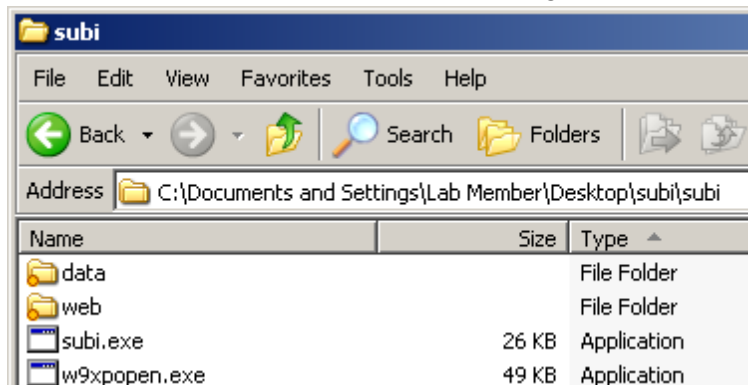
Unzip the subi files



You should now have a subi folder on your desktop



Enter the subi folder and find the subi program (subi > subi.exe)



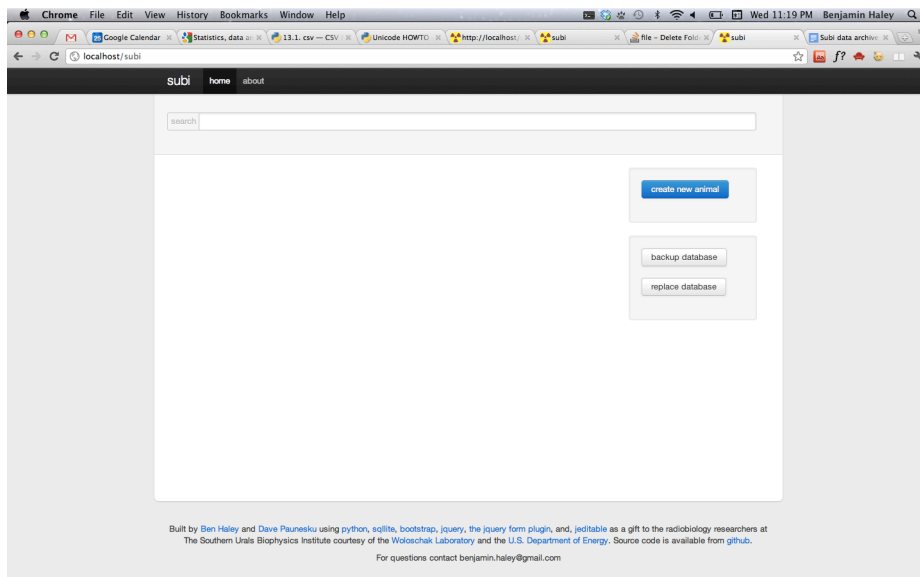
Double click on subi.exe (it might just say subi).



You should get an alert from the windows firewall. subi will not accept non-local connections, but the firewall provides added security. Click 'keep blocking' to add a second layer of protection (better to be safe than sorry).

Using google [chrome](#) or [firefox](#) (not ie) load the page "<http://localhost:8000/subi>".

If everything has gone correctly, you should now see a web browser open to the subi database that looks like the image below.



Congratulations, you have subi!

Running subi

(Subi requires [chrome](#) or [firefox](#) and will not work in internet explorer)

After you start subi, use firefox or chrome to open to localhost:8000/subi.

Commands

The screenshot shows the Subi web application interface. At the top is a navigation bar with links: 1 subi, 2 home, 3 about. Below this is a search bar with a red 4 next to it. Under the search bar, it says "Animal 1 of 4 . previous . next . download csv" with red 5, 6, and 7 next to the navigation links. The main content area has a table with five rows of animal data. Each row has a checkbox, a label, a text input field, and a set of action buttons. The first row is selected. The labels are: "Animal's identification number" (with red 8), "Place of biomaterial storage", "Southern Urals Biophysics Institute FMBA ??????", "Building No", and "Click to edit". The input fields contain "2168" (with red 9), an empty field, "SUBI ??????", "3", and an empty field. The action buttons are: "find all animals" (with red 11), "create new animal" (with red 12), "copy this animal" (with red 13), "delete this animal" (with red 14), "backup database" (with red 15), and "replace database" (with red 16). At the bottom left, there is a "+ add field" link with a red 10 next to it.

Animal's identification number	Place of biomaterial storage	Southern Urals Biophysics Institute FMBA ??????	Building No	Click to edit	Actions
2168		SUBI ??????	3		find all animals
					create new animal
					copy this animal
					delete this animal
					backup database
					replace database

1. Click here to return to the home page <http://localhost:8000/subi>
2. (see 1)
3. Click here to visit the User Guide (this page)
4. Search for animals (only one result is shown at a time)
5. View the next search result
6. View the previous search result

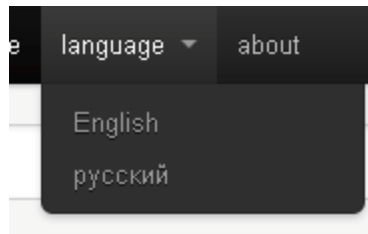
7. Download a csv containing all of the data from the search results. This csv is has an international encoding to support Cyrillic characters. It can open in excel but not open office or google docs.
8. The fields on the left describe attributes that every animal has. Click to edit them. You can delete a field from all animals by clicking on the 'x' mark to the left of the field.
9. Click to edit the value of a field for an animal.
10. Click to add a field to every animal.
11. Search for all animals. Only one will be displayed at a time. (you can also see all animals by searching for nothing)
12. Create a new animal. All of its fields will be blank.
13. Copy the current animals to create a new animal.
14. Delete the animal you are looking at right now.
15. Download a backup copy of the subi database. You should save copies in a safe place.
16. Upload a subi backup database (that you made in step 15) to replace the current database.

Notes

- As you enter data you will want to make periodic backups (see step 15). Keep these backups in a safe place, like an external hard drive or cd.
- Future versions will require you to backup the current database and load it into the new version.

Language Support

Subi supports all of the languages listed in the language menu.



The translations are provided by a file in the base directory called language.txt. Update this file to change the translations.

 select.pyd	12 KB	PYD File
 unicodedata.pyd	672 KB	PYD File
 language.txt	11 KB	Text Document

This file contains phrases translated into multiple languages. For example

```
"""{{Animal}}""" : {
    "english": "Animal",
    "russian": "Animal-ru"
},
```

Should show the translations for the word “Animal” in English and Russian. However, the Russian translation only contains a filler value.

On the website this looks like:

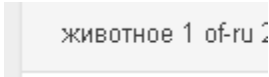


Animal-ru 1 of-ru 2

It could be corrected by changing it to:

```
""{{Animal}}"" : {  
  ""english"": ""Animal"",  
  ""russian"": ""животное""  
},
```

Which would look like this on the website:



животное 1 of-ru 2

If you have improved the language.txt file, please send your improvements to benjamin.haley@gmail.com so that he can integrate them into the master build.

Future Directions

Future development will be guided by your needs, especially the inevitable bug reports. However there are several major features we still intend to implement soon:

- *Negative search terms*
e.g. ‘subi -wolo’ should find all animals with the term ‘subi’ that don’t have the term ‘wolo’
- *Search by field*
e.g. “room number:2” 2168’ should return animals that have ‘2’ as their room number and ‘2168’ anywhere in their record
- *Range Search*
e.g. “dose rate:1-4” should return animals with a dose rate between 1 and 4
- *Password Protection*
Everyone should be able to view subi, but you might want people to have a password before they can edit subi content.
- *More download options*
Our current csv can only be opened in excel because of internationalization issues. We would like add download options that can be opened in google docs or open docs.
- *Change Field order*

Users should be able to move fields up and down.

- *Group Fields*

It should be possible to group fields into logical groupings.