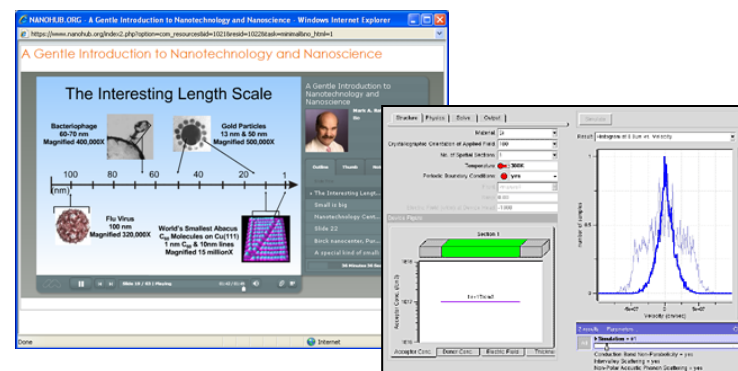
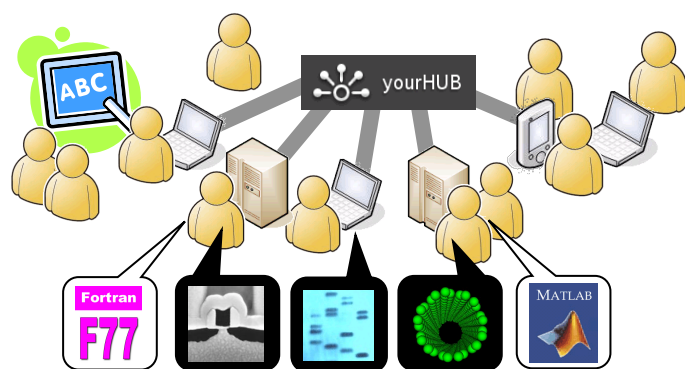


Publishing Simulation Tools and Other Resources

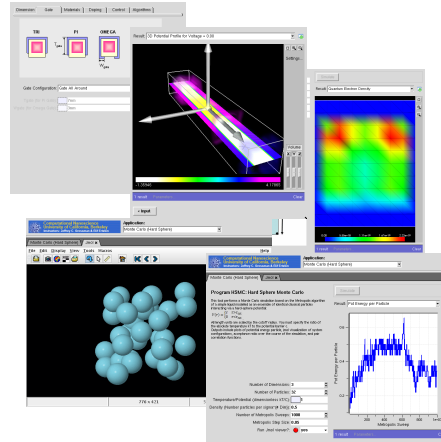


Michael McLennan
Director, HUBzero® Platform for Scientific Collaboration
Purdue University

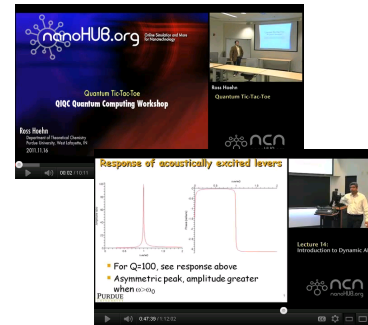
Powered by Your Community



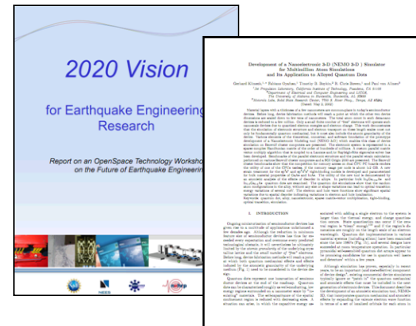
Simulation & Modeling Tools



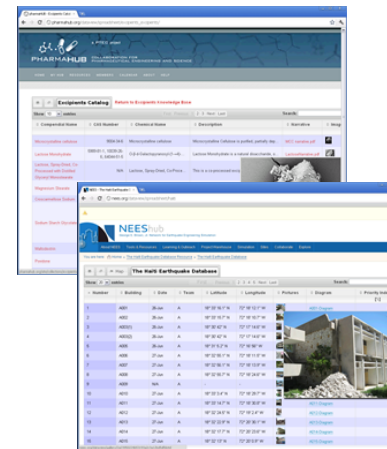
Seminars
Tutorials



Tech Reports
Teaching Materials



Data from
Experiments



“Resource” = Digital Publication



The screenshot shows the nanoHUB.org website interface for the 'CNTbands' resource. The page includes a navigation bar, a search bar, and a main content area. The main content area features the title 'CNTbands', authors' names, a 'Launch Tool' button, version information, and a 'Metrics' section with a 9.1 ranking. Below the main content is a horizontal menu with tabs for 'About', 'Usage', 'Citations', 'Questions', 'Reviews', 'Wish List', 'Versions', and 'Supporting Docs'. A carousel of images is visible below the menu. The page also includes a 'Category' section, 'Published on' date, an 'Abstract', and a 'RECOMMENDATIONS' section.

Title

Authors

Pictures

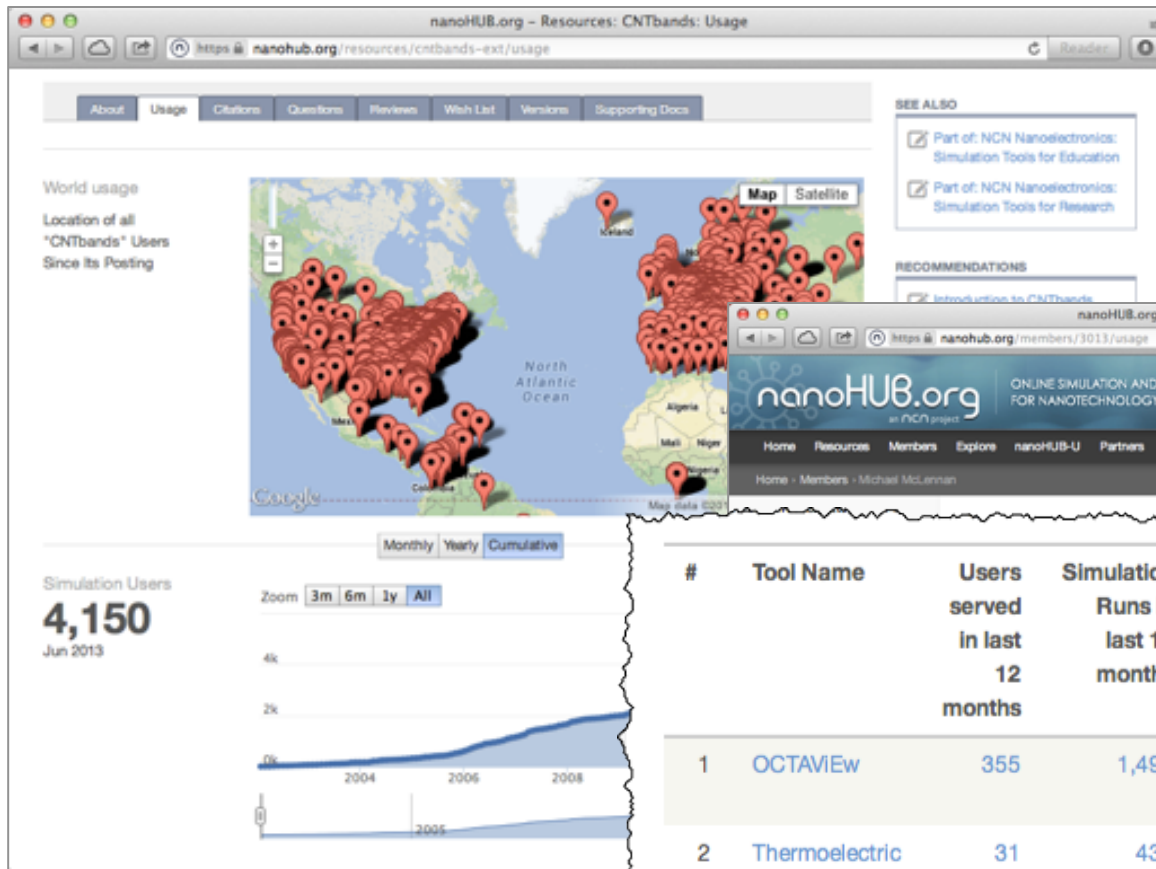
Abstract

Metrics

Related:

- Reviews
- Citations
- Questions
- Wishes

Analytics to Study Impact

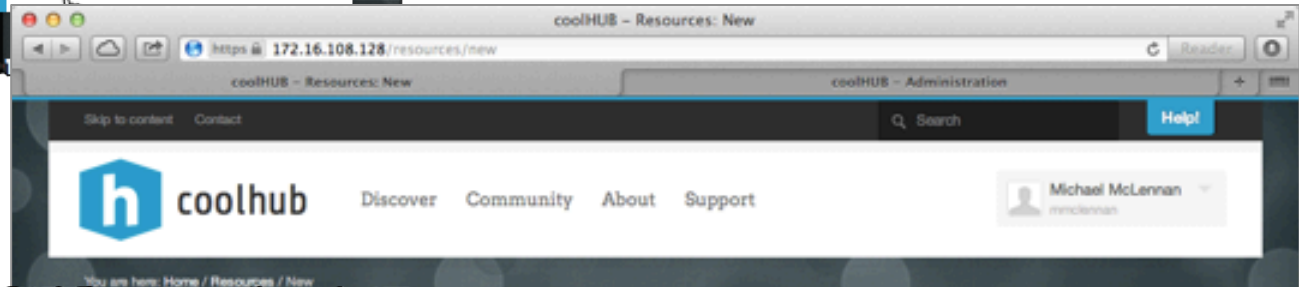


Resource usage metrics

Contributor impact

#	Tool Name	Users served in last 12 months	Simulation Runs in last 12 months	Total users served	Total Simulation Runs	Citations	Published On
1	OCTAVIEW	355	1,495	527	2,726	-	15 Feb 2012
2	Thermoelectric Generator Module with Convective Heat Transfer	31	433	116	1,413	1	12 Jul 2010
total		3,106	48,719	14,069	424,012		

Upload a New Resource



Intellectual Property Considerations

All materials contributed must have **clearly defined rights and privileges**. Online presentations and instructional material are normally licensed under **Creative Commons 3**. Read [more details](#) about our licensing policies.

What do I need?

The submission process will guide you through step-by-step, but for more detailed instructions on what can be submitted and how, please see the list of submission types below.

[Get Started](#)

have no contributions in progress.

Once you've started a new contribution, you can proceed at your leisure. Stop half-way through and watch a presentation, go to lunch, even close the browser and come back a different day! Your contribution will be waiting just as you left it, ready to continue at any time.

Select a Resource Type



coolHUB – Resources: New

https://172.16.108.128/resources/draft

Skip to content Contact Search Help!

coolhub Discover Community About Support Michael McLennan

You are here: Home / Resources / New

Resources: New

Main page

- Downloads**
Spreadsheets, executables, and other items that are available for download but don't fit into other categories.
- Publications**
Articles, technical reports, theses, and other documents, usually in PDF or DOC format.
- Seminars**
A lecture of some sort, usually recorded with voice or video. It may be a graduate or undergraduate level seminar, a lecture for a class, or a tutorial presentation.
- Teaching Materials**
Supplementary materials (study notes, guides, etc.) that don't quite fit into any of the other categories.
- Tools**
Simulation and modeling tools that can be accessed via a web browser.

Select a type
Select one of the resource types listed to proceed to the next step. The type of resource chosen can affect what information you will need to provide in the following steps.

Legal Disclaimer: In order for coolHUB to display your content, we must be given legal license to do so. At the very least, coolHUB must be authorized to hold, copy, distribute, and perform (play back) your material according to this agreement. You will retain any copyrights to the materials and decide how they should be licensed for end-user access. We encourage you to license your contributions so that others can build upon them.

Downloads

Publications

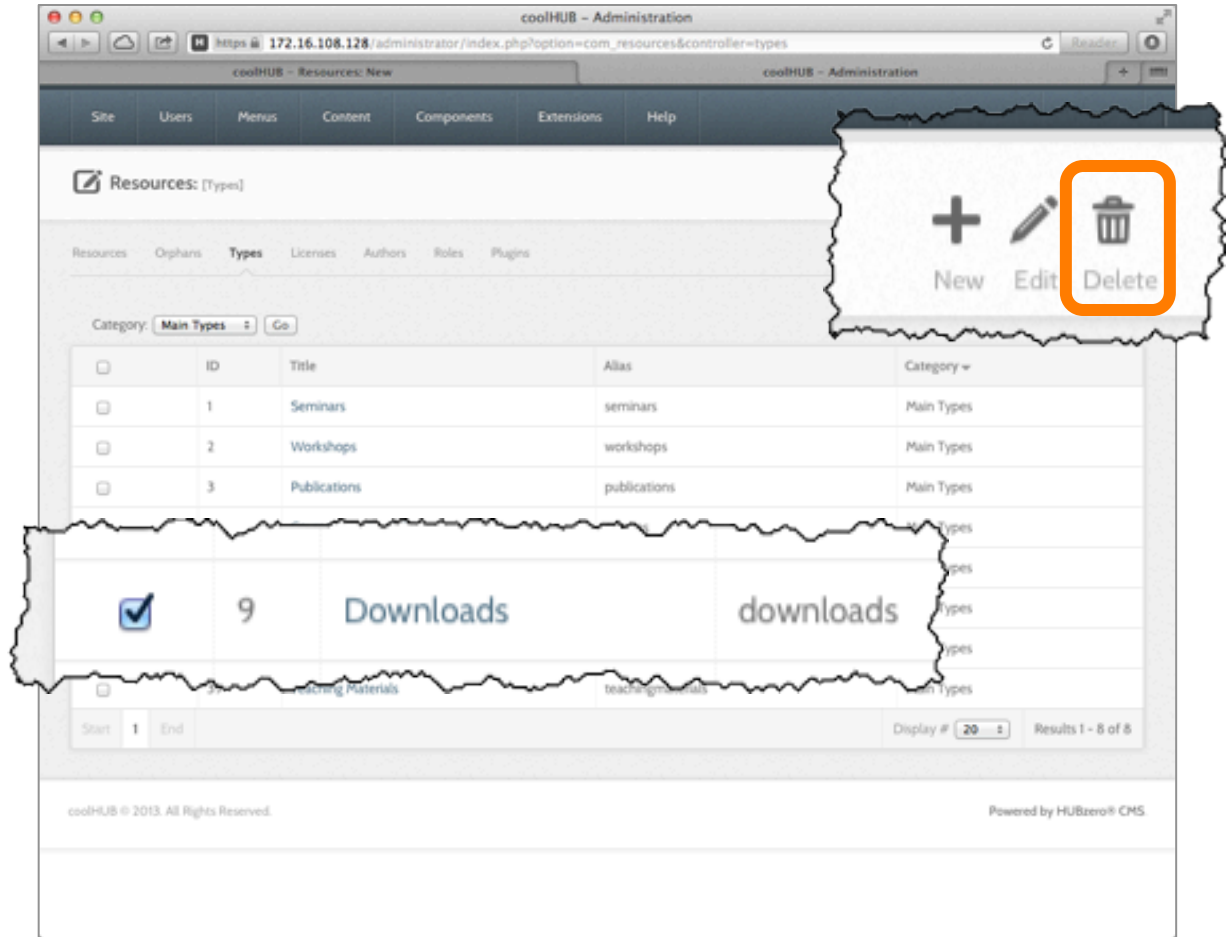
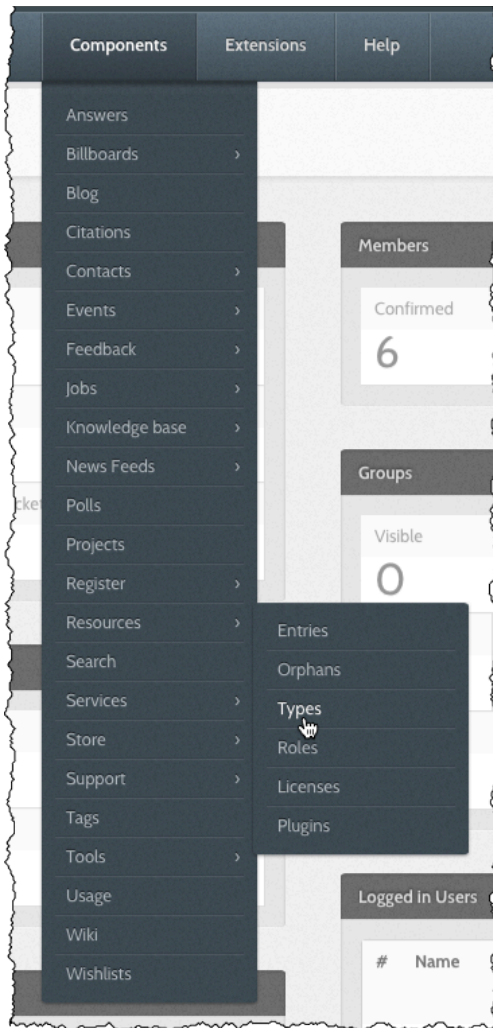
Seminars

Teaching Materials

Tools

Where do these resource types come from?

Configure Resource Types



Delete resource types that you don't need

Add New Resource Types



ITEM DETAILS

Title:

Alias:
If no alias provided, one will be generated from the title.

Category:

Contributable: Users can contribute this type from the front-end

Description:

PLUGINS

Plugin	Active	
Resources - About	<input type="radio"/> off	<input checked="" type="radio"/> on
Resources - About (tool)	<input checked="" type="radio"/> off	<input type="radio"/> on
Resources - Citations	<input checked="" type="radio"/> off	<input type="radio"/> on
Resources - Favorite	<input checked="" type="radio"/> off	<input type="radio"/> on
Resources - Questions	<input type="radio"/> off	<input checked="" type="radio"/> on

Resource Metadata



coolHUB - Administration

https://172.16.108.128/administrator/index.php?option=com_resources&controller=types

coolHUB - Resources: New

Site Users Menus Content Components Extensions Help

Resource Type

CUSTOM FIELDS

Reorder	Field name	Input type	Required	Options
☰	Data Acquired	Date	<input checked="" type="checkbox"/>	Year <input checked="" type="checkbox"/> Month <input checked="" type="checkbox"/> Day <input checked="" type="checkbox"/>
☰	Latitude/Longitude	Geo Location	<input type="checkbox"/>	(none)

Save Cancel

Extra metadata fields associated with resource type

Resource License Options



ID	Name	Title
3	cc	Creative Commons
5	cc30-by	Creative Commons BY 3.0
6	cc30-by-sa	Creative Commons BY-SA 3.0

Back to Uploading a Resource...



Datasets

Spreadsheets and other data gathered from scientific experiments.

Resources: New: Step 1: Compose

Type	Title	Associations	Author(s)	Tag(s)	Status
Datasets	(none)	0 attachment(s)	0 author(s)	0 tag(s)	draft

Start **COMPOSE** ATTACH AUTHORS TAGS REVIEW Cancel

About

Title: **REQUIRED**

Abstract/Description:

The contribution process is intended to be much like composing an e-mail: You'll start with writing the introduction and main content of your contribution and later attach files to it (video, PDFs, etc).

The abstract is typically a one or two paragraph description of your contribution.

Resource Upload Step: Compose



The screenshot shows a web browser window titled "coolHUB - Resources: New: Step 1: Compose" with the URL "https://172.16.108.128/resources/draft?step=1&type=64". The interface is divided into two main sections: "About" and "Details".

About Section:

- Title:** Labeled "Title" with an orange arrow. The text is "Carbon nanotube Chiralities".
- Abstract/Description:** Labeled "Abstract" with an orange arrow. The text is "This dataset enumerates various carbon nanotube related properties."

Details Section:

- Data Acquired:** Labeled "Collection Date" with an orange arrow. The date is set to "2012 April 17".
- Latitude/Longitude:** Labeled "Geo-Location" with an orange arrow. The coordinates are "40.426826, -86.913528".

Other elements include a "Next >" button, a "Cancel" button, and a sidebar with instructions: "The contribution process is intended to be much like composing an e-mail: You'll start with writing the introduction and main content of your contribution and later attach files to it (video, PDFs, etc). The abstract is typically a one or two paragraph description of your contribution." and "Here you may add any relevant information to your resource concerning contributor bios, credits, funding, references, etc."

Resource Upload Step: Attach



Attachments

Choose File no file selected Upload

Double-click a name below to rename attachment. Press TAB or ENTER to save changes. Press ESC to cancel.

data.csv
(csv, 676 b)

Click to delete this attachment

Upload primary document

Next >

What are attachments?
Attachments are the primary files to be downloaded or viewed by the end user. They can be PDFs, DOCs, etc. A good way to think of it is with the e-mail metaphor: the description page is your e-mail message describing the file(s) you're sending.

How do I attach a Breeze

Resource Upload Step: Authors



coolHUB – Resources: New: Step 3: Authors

https://172.16.108.128/resources/draft/4?step=3

Authors

Enter names or logins separated by commas.

john

John Doe (1004)

Michael McLennan

Organization

Role: Author

Add

Save Changes

Click to delete this author

Set up list of authors

Next >

Resource Upload Step: Tags



Add Tags

Add tags to categorize this resource

Assigned Tags: nanotube x bandgap x conductivi

Searching...

If a specific tag does not already exist, simply type it in the field above. This will create and assign the tag to your resource.

Suggested tags: (click to add to your contribution)

- angle
- chiral angle
- angle deg bandgap
- bandgap
- magnitude
- bandgap m
- diameter nm chiral
- image nanotube diameter
- image nanotube
- nanotube
- nan
- image

Suggested tags based on file contents

Next >

What are tags?
A tag is like a subject, keyword, or category.

Resource Upload Step: Review



Scroll down to see a preview

The screenshot shows the 'Review' step of a resource upload on coolHUB. A 'Submit Contribution' button is highlighted with a callout box. Below it, a preview of the submitted resource is shown, including a green confirmation message and a table of submission details.

Submit Contribution

Thank you for your contribution!

Contribution submitted:

Type	Datasets
Title	Carbon Nanotubes
Attachments	1
Authors	2
Tags	3
Status	pending


Approving Resources



The screenshot shows the coolHUB Administration interface. The browser address bar indicates the URL: `https://172.16.108.128/administrator/index.php?option=com_resources&controller=items`. The page title is "coolHUB - Resources: New: Step 5: Review". The navigation menu includes Site, Users, Menus, Content, Components, Extensions, Help, and Log out. The main content area is titled "Resource Manager" and contains a table of resources. A specific resource is highlighted with a white box and a red circle around its status icon (a yellow circle with three dots). The resource is "Carbon Nanotube Chiralities", with a count of 4, a status of "Public", and a date of "24 Jul, 2013". Below the table, there is a legend for published status: Draft (internal production), Draft (user created), New, awaiting approval, Published, but is Coming, and Published and is Current. A "Parameters" dialog box is open, showing "Auto-approve" with radio buttons for "No" (selected) and "Yes", and "Auto-approved Users" with a text input field containing "johndoe".

Click to approve and publish

Settings to auto-approve if you trust users



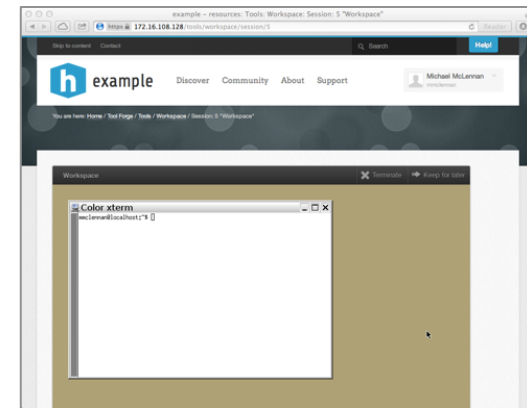
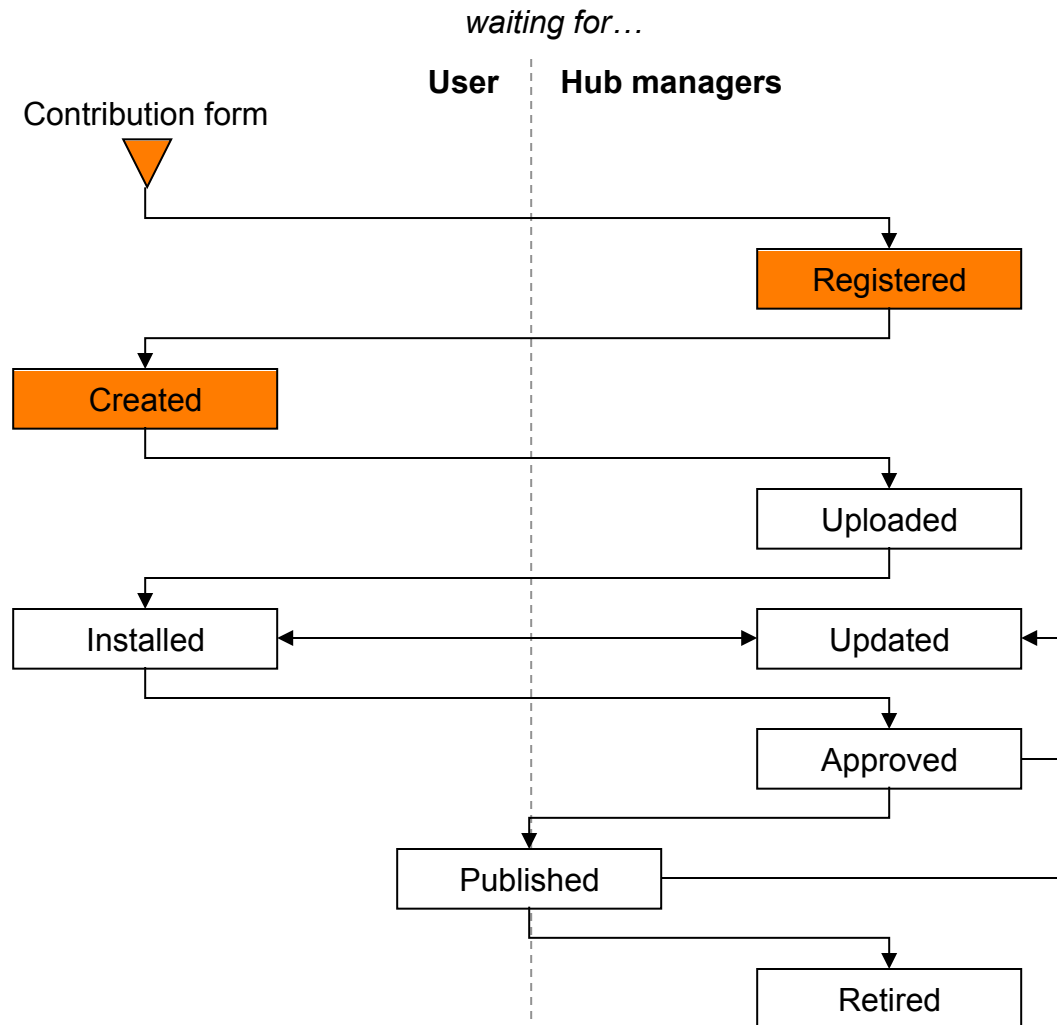
The screenshot shows the coolHUB website interface. At the top, there is a navigation bar with the coolhub logo and links for 'Discover', 'Community', and 'About'. Below this, there are two main sections highlighted with a torn paper effect:

- Featured Resource:** A section titled 'Featured Resource' containing a description of the 'Carbon Nanotube Chiralities' dataset: 'Carbon Nanotube Chiralities : This dataset enumerates various carbon nanotube configurations and their associated band gaps and related properties.'
- What's New: Past Month:** A section titled 'What's New: Past Month' containing a list of resources. The first resource is 'Carbon Nanotube Chiralities', dated '24 Jul 2013', with contributors 'Michael McLennan, John Doe'. The description is 'This dataset enumerates various carbon nanotube configurations and related properties.' and the URL is 'https://172.16.108.128/resources/4'.

At the bottom of the screenshot, there is a search bar with the text 'Keyword or phrase:' and a 'Vote' button.

Published resources appear in various places

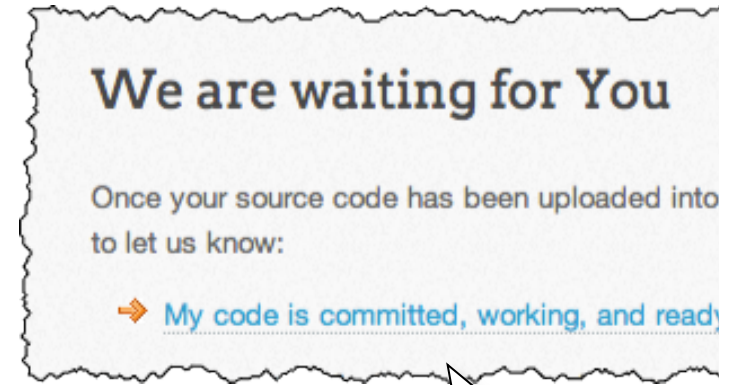
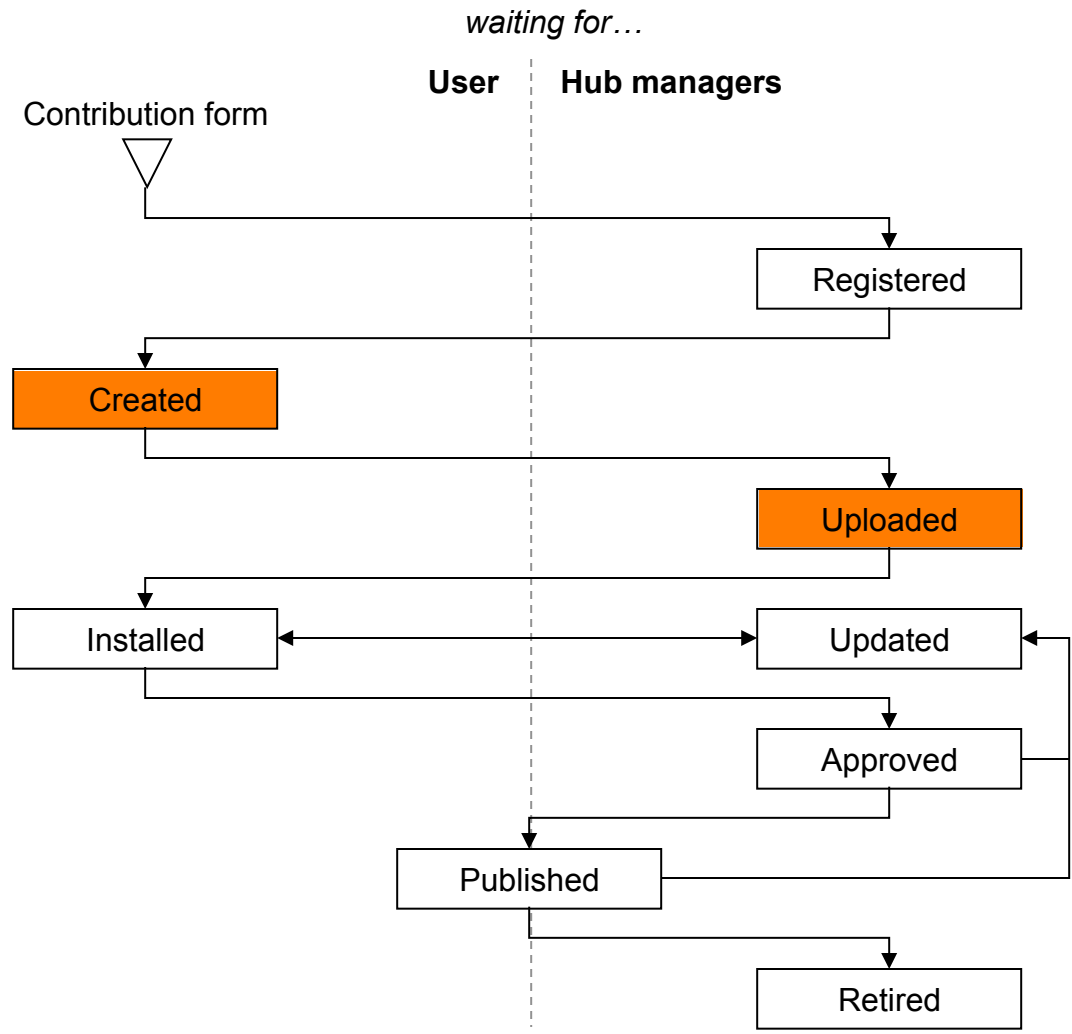
Tool Development Process



Develop tool within a workspace

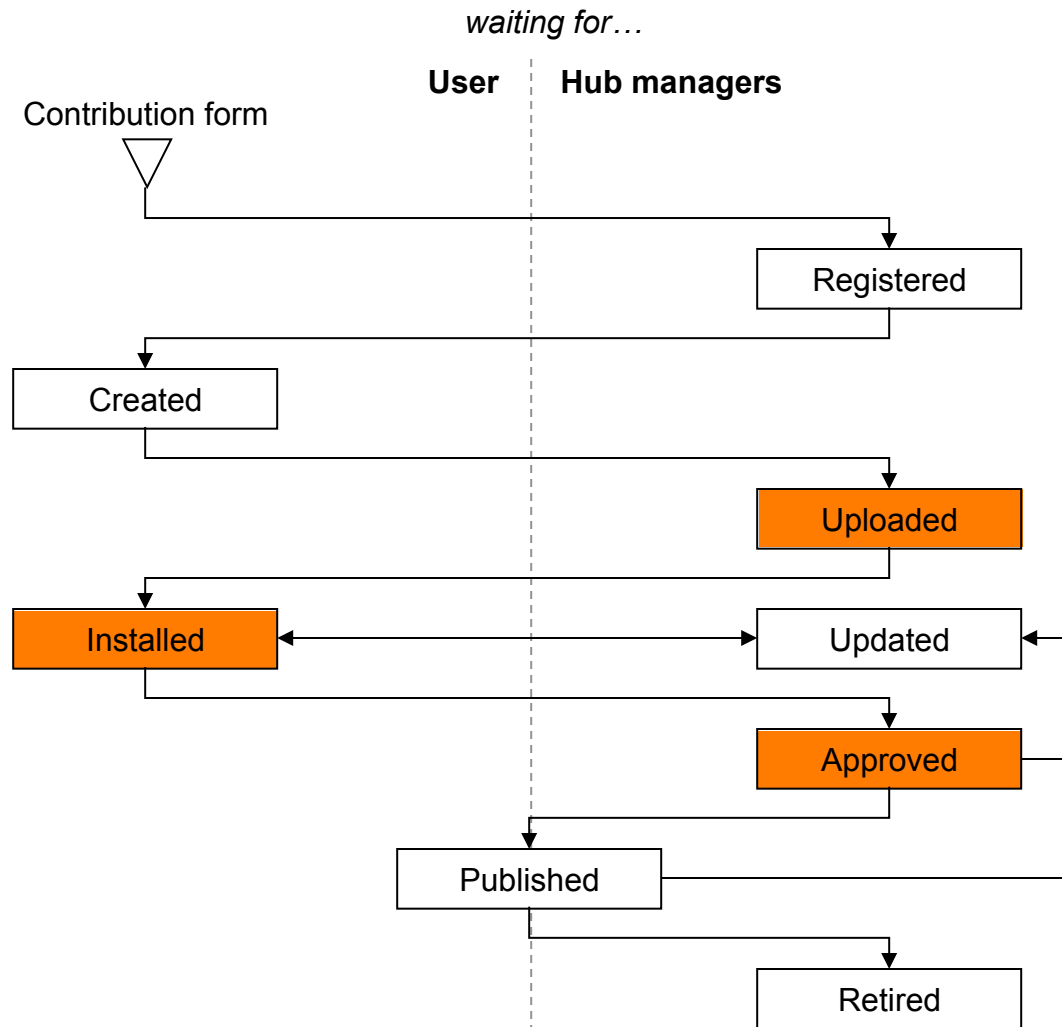
- Rappture toolkit
- Build/test
- Commit to svn

Tool Development Process



When your tool is ready, click the link to move forward

Tool Development Process



We are waiting for You

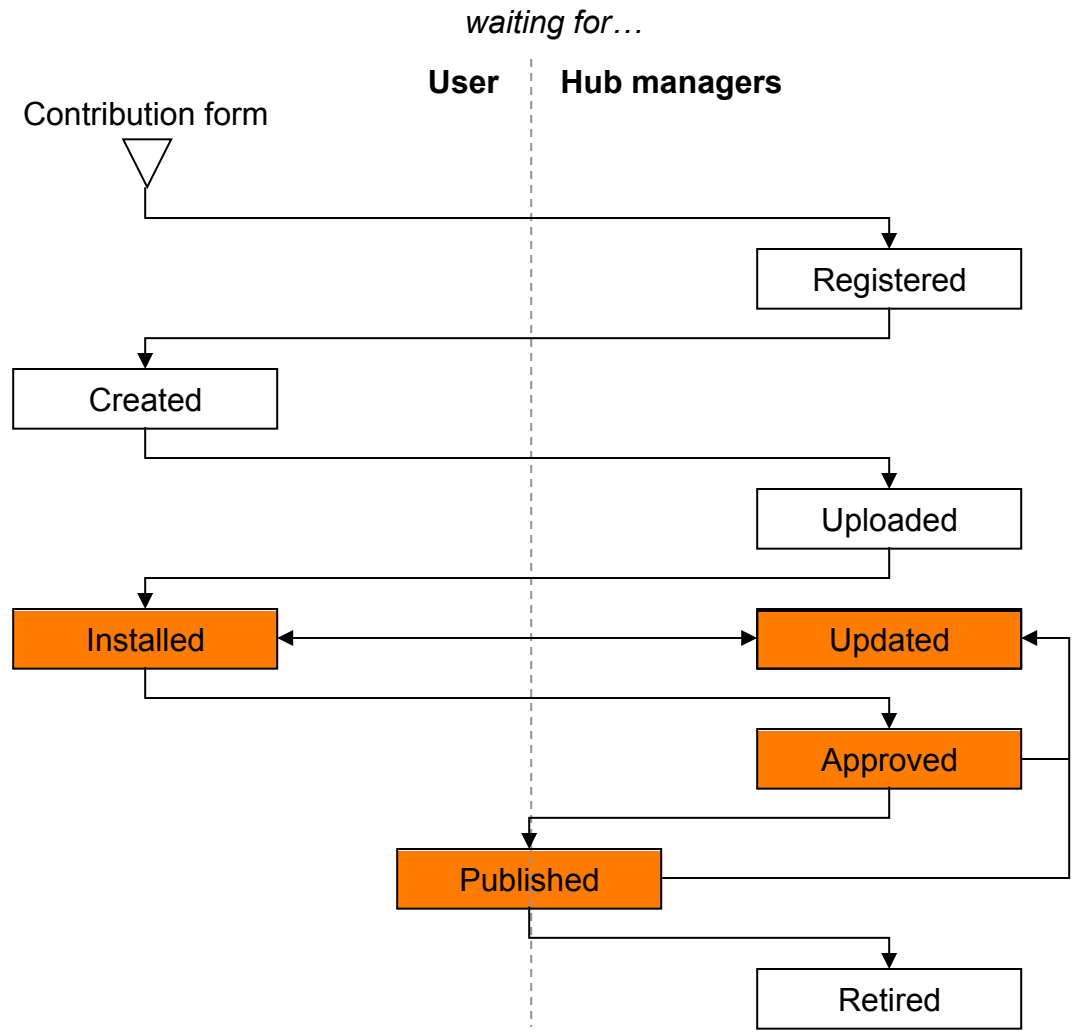
Once you tested your tool and verified that it to let us know:

→ [My tool is working properly. I approve it](#)

Need to make changes? Once you've checked to let us know:

→ [I've committed new code. Please install and approval..](#)

Tool Development Process



Your options:

- > I've made changes [Please install the latest approval.](#)

We are waiting for You

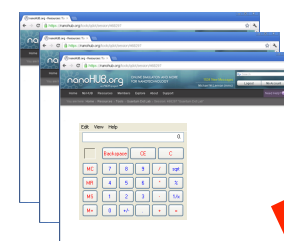
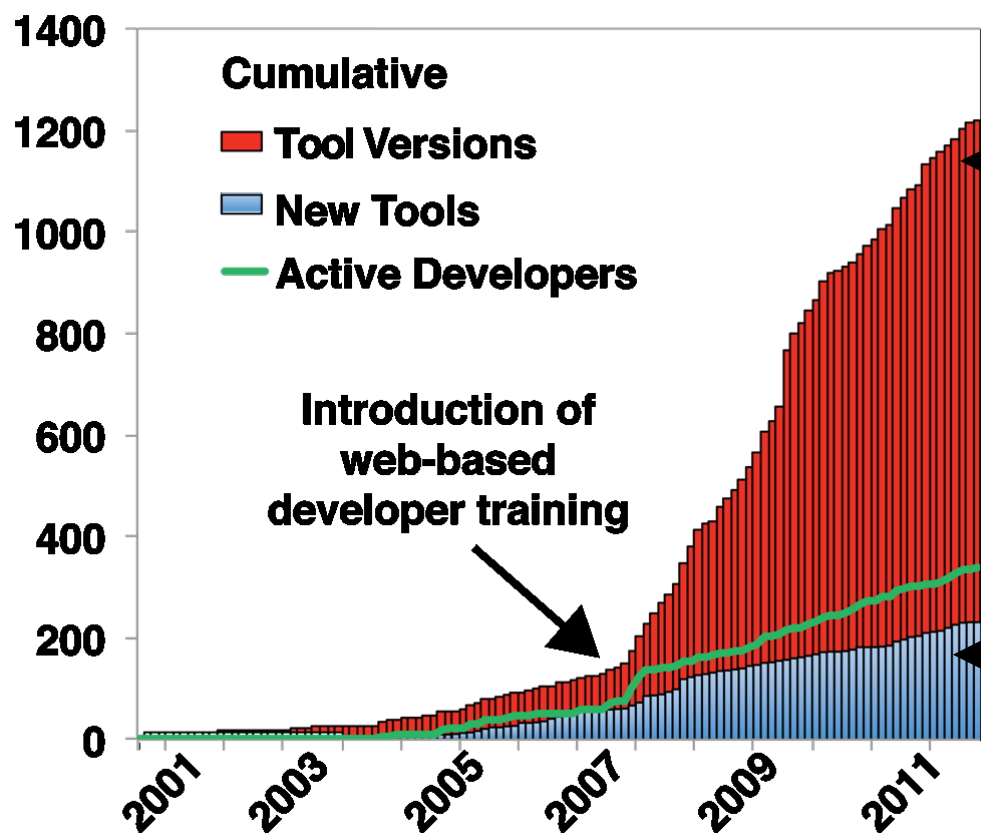
Once you tested your tool and verified that it is to let us know:

- [My tool is working properly. I approve it.](#)

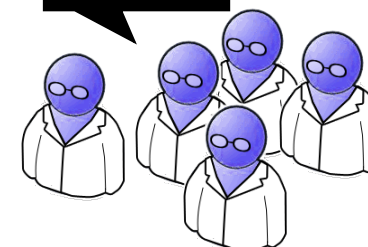
Need to make changes? Once you've checked to let us know:

- [I've committed new code. Please install and approval..](#)

Tool Developers Stay Engaged



New Versions



New Tools

