

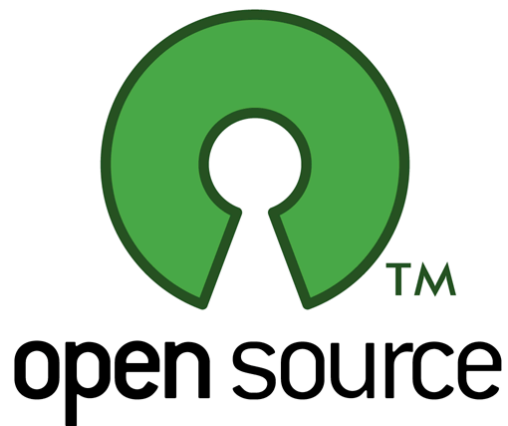
NCIPhub.org: Uploading Resources

Michael McLennan

Director, HUBzero® Platform for Scientific Collaboration

Purdue University

What is HUBzero?



Open source software platform
used for building

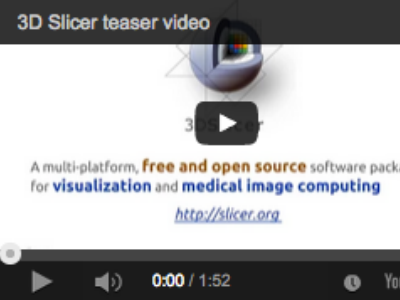
“Science Gateways”
“Collaboratories”
“Hubs”





3D Slicer

3D Slicer teaser video




A multi-platform, **free and open source** software package for **visualization** and **medical image computing**
<http://slicer.org>

3D Slicer is a multi-platform, free and open source software package for visualization and medical image computing. 3D Slicer pre-compiled application is freely available for Windows, Mac and Linux. 3D Slicer is the main delivery platform for the ITCR [QIICR](#) project

3D Slicer ITCR QIICR

0 likes 0 comments 0 reposts

 Andrey Fedorov on ITCR Training Assets
12:43 pm 26 Feb 2015

Collection Post

Contains:

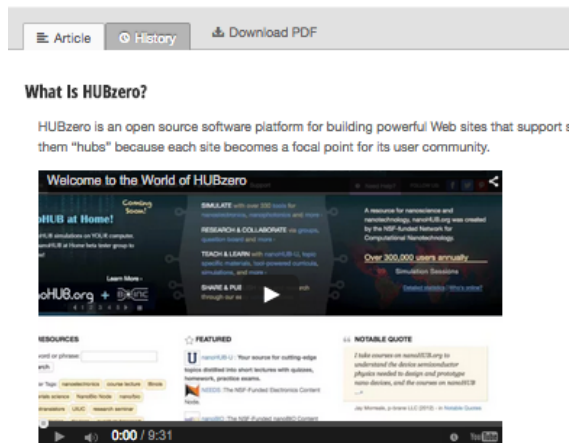
- Document or link
- Brief comments

Supports:

- Like/Comment
- Follow
- Add to collections



Powered by Your Community



What Is HUBzero?

HUBzero is an open source software platform for building powerful Web sites that support sci them "hubs" because each site becomes a focal point for its user community.



Hands-On Introduction

This brief session guides participants through the process of uploading materials and sharing

Exercises

Register and Log In

In order to do this exercise, you'll need an account on NCIPhub.org. If you don't have an acc out the form and click on the *Create Account* button. You'll receive an email asking you to ver user.

Upload a Resource

For this exercise, you'll upload information about a software project to share with the hub con the title of the resource with the word "TEST" (e.g., "TEST - BLASTx program") and the worksl

Wiki Page

Contains:

- Longer form text
- Mixture of text, images, videos
- Many attached documents

Supports:

- Comments
- Download PDF of page
- Review editing history



Powered by Your Community



Files

Upload

Name ▾

NCIP_NanoWG_Response_To_NIHRFI_nc

NCIP_NanoWG_Response_To_NIHRFI_nc

NIH RFI

NIHRFI_draft2.docx

NIHRFI_draft3.docx

Projects

Contains:

- Files / Directories

Supports:

- Revision history
- Private sharing
- Desktop syncing via Google





CERR: A Computational Environment for Radiotherapy Research

By Joseph Deasy
Memorial Sloan Kettering Cancer Center (MSKCC)

Options About Questions Reviews Wishlist Supporting Docs

Category	Published on
External Applications	28 Oct 2014

Abstract

CERR (pronounced 'air') is a software platform for developing and sharing research results in radiotherapy treatment planning.

CERR is written in the widely-used Matlab language (version 7.0 or later), allowing for low-cost development of visualization and analysis tools.

CERR will import and display treatment plans from a wide variety of commercial or academic treatment planning systems (including both the RTG format and DICOM-RT format).

CERR provides a common filetype for the creation of multi-institutional treatment plan database various types of research studies, including dose-volume-outcomes analysis and IMRT treatment planning comparisons.

Cite this work

Researchers should cite this work as follows:

Joseph Deasy (2014), "CERR: A Computational Environment for Radiotherapy Research,"
<https://hivhub.org/resources/594>.

BBjTeX EndNote

Resource

Contains:

- Title
- Authors
- Abstract
- Bundle of links or documents

Supports:

- License for reuse
- Impact metrics
- Ratings / reviews
- Questions / answers
- Wish list



"Resource" = Digital Publication



http://nciphub.org/resources/594

The screenshot shows a web browser displaying the NCIP Hub resource page for 'CERR: A Computational Environment for Radiotherapy Research'. The page includes a header with the NCIP HUB logo and navigation menus. The main content area features the resource title, author information, and an abstract. A dashed blue box highlights the navigation tabs: Citations, About, Questions, Reviews, Wishlist, and Supporting Docs. Annotations with blue arrows point to various elements: 'Title' and 'Authors' point to the resource title and author; 'Abstract' points to the abstract text; 'Metrics' points to the 'View Resource (RTM)' button and the metrics section (Citations, Questions, Reviews, Wishes); 'Related: Reviews, Questions, Wishes' points to the navigation tabs; and 'Group Affiliation' points to the 'Quantitative Imaging Network (QIN)' section.

Title

Authors

Abstract

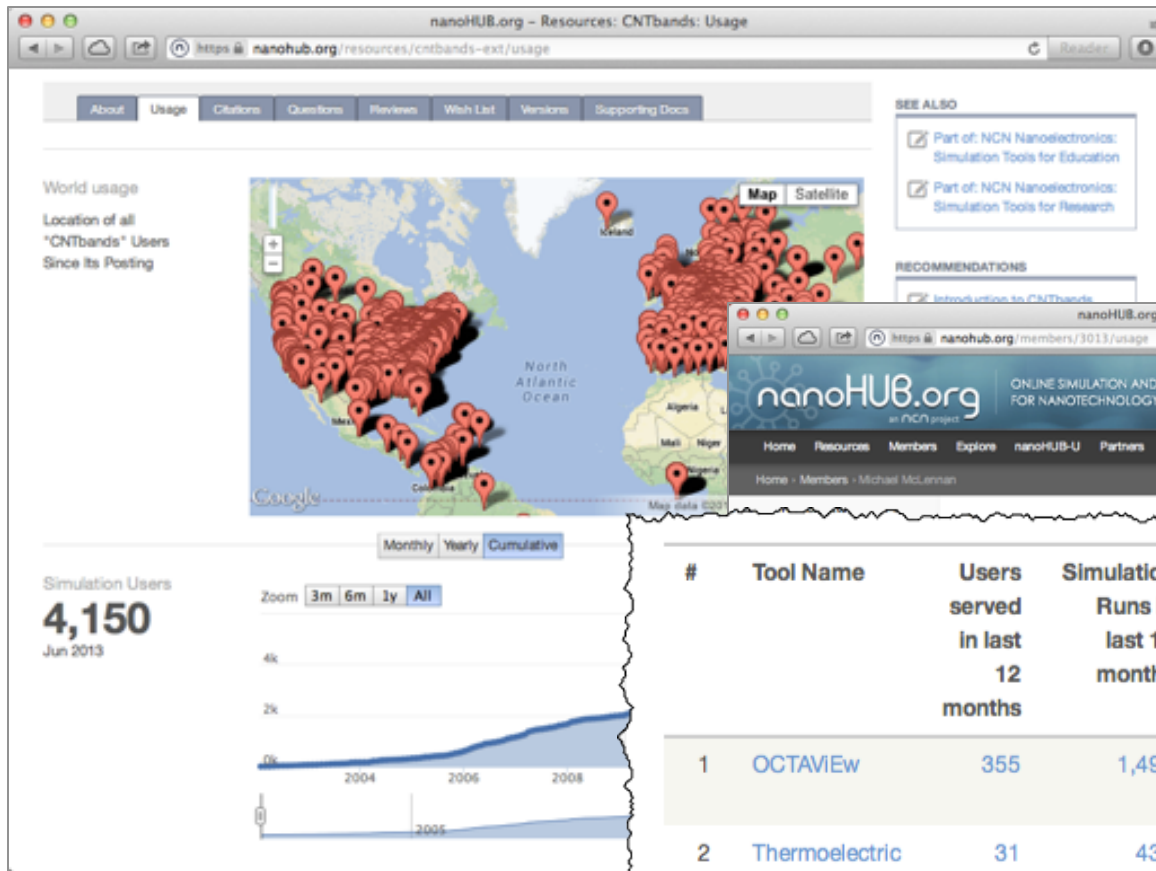
Metrics

Related:

- Reviews
- Questions
- Wishes

Group Affiliation

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
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Exercise #1



Follow along:

<https://nciphub.org/wiki/HandsOnTutorial:UploadingResources>

A screenshot of a web browser displaying the NCIP Hub website. The browser's address bar shows the URL "https://nciphub.org/resources/594". The website header includes the NCIP HUB logo and the tagline "A COLLABORATIVE FOR INFORMATICS IN CANCER RESEARCH". A navigation menu is visible with options like "DISCOVER", "COMMUNITY", "ABOUT", and "SUPPORT". The main content area features a resource titled "CERR: A Computational Environment for Radiotherapy Research" by Joseph Deasy from Memorial Sloan Kettering Cancer Center (MSKCC). The page includes a "View Resource (PDF)" button, a license notice, and a list of actions such as "Citation(s)", "questions(Ask a question)", "review(s)", and "wish(es)". A sidebar on the left contains a menu with "DISCOVER", "Collections", "Resources", and "Courses". A "See also" section at the bottom right indicates "No results found." The abstract text describes CERR as a software platform for radiation therapy treatment planning, written in Matlab, and used for multi-institutional treatment plan databases.