# NCIPhub.org: Uploading Resources

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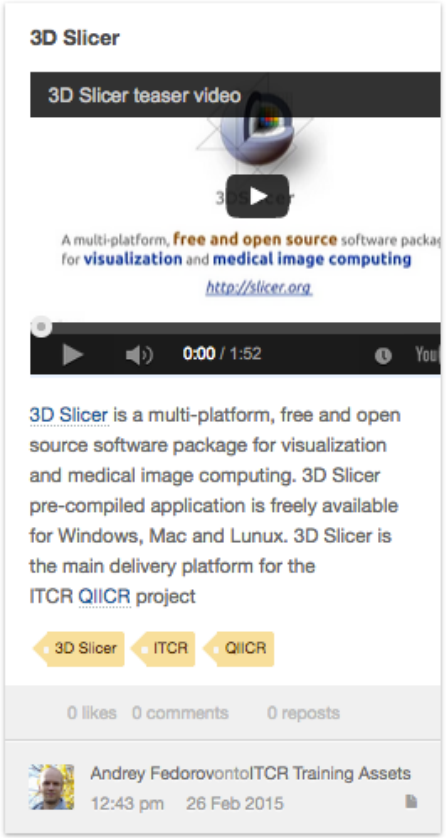
# What is HUBzero?

Open source software platform used for building

*"Science Gateways"*
*"Collaboratories"*
*"Hubs"*

# Powered by Your Community


## Collection Post

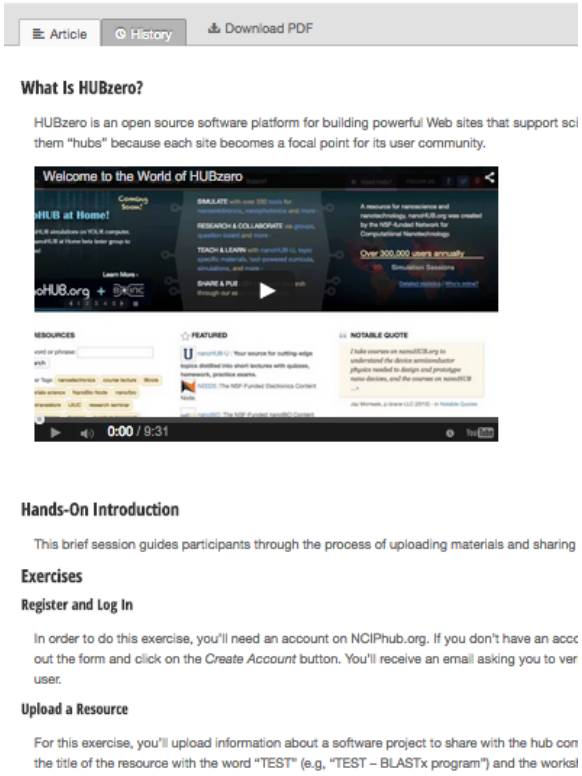
*Contains:*

- Document or link
- Brief comments

*Supports:*

- Like/Comment
- Follow
- Add to collections

# Powered by Your Community


## Wiki Page

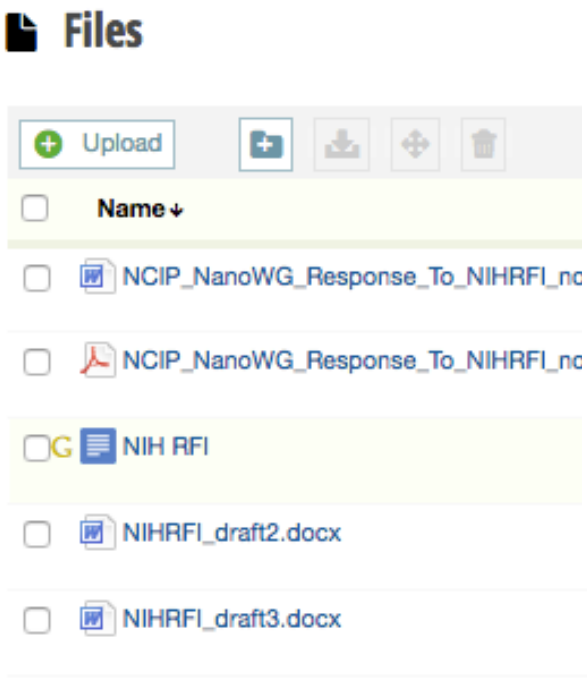
*Contains:*

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

*Supports:*

- Comments
- Download PDF of page
- Review editing history

# Powered by Your Community


## Projects

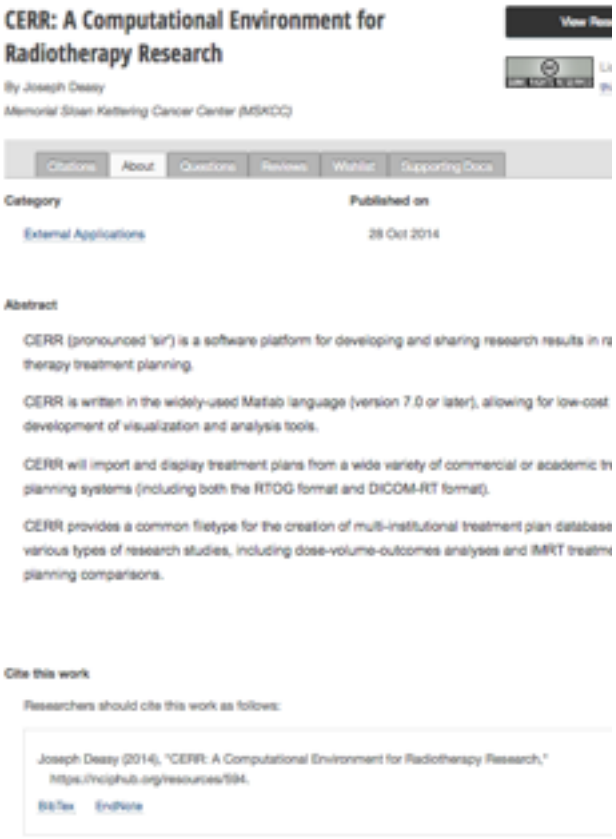
*Contains:*

- Files / Directories

*Supports:*

- Revision history
- Private sharing
- Desktop syncing via Google

# Powered by Your Community

CERR: A Computational Environment for Radiotherapy Research

By Joseph Deasy

*Memorial Sloan Kettering Cancer Center (MSKCC)*

Citations | About | Questions | Reviews | Wishlist | Supporting Docs

**Category**

External Applications

**Published on**

28 Oct 2014

**Abstract**

CERR (pronounced 'ser') is a software platform for developing and sharing research results in r therapy 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 tr planning systems (including both the RTOG 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 analyses and IMRT treatm planning comparisons.

**Cite this work**

Researchers should cite this work as follows:

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

BibTex EndNote

## Resource

*Contains:*

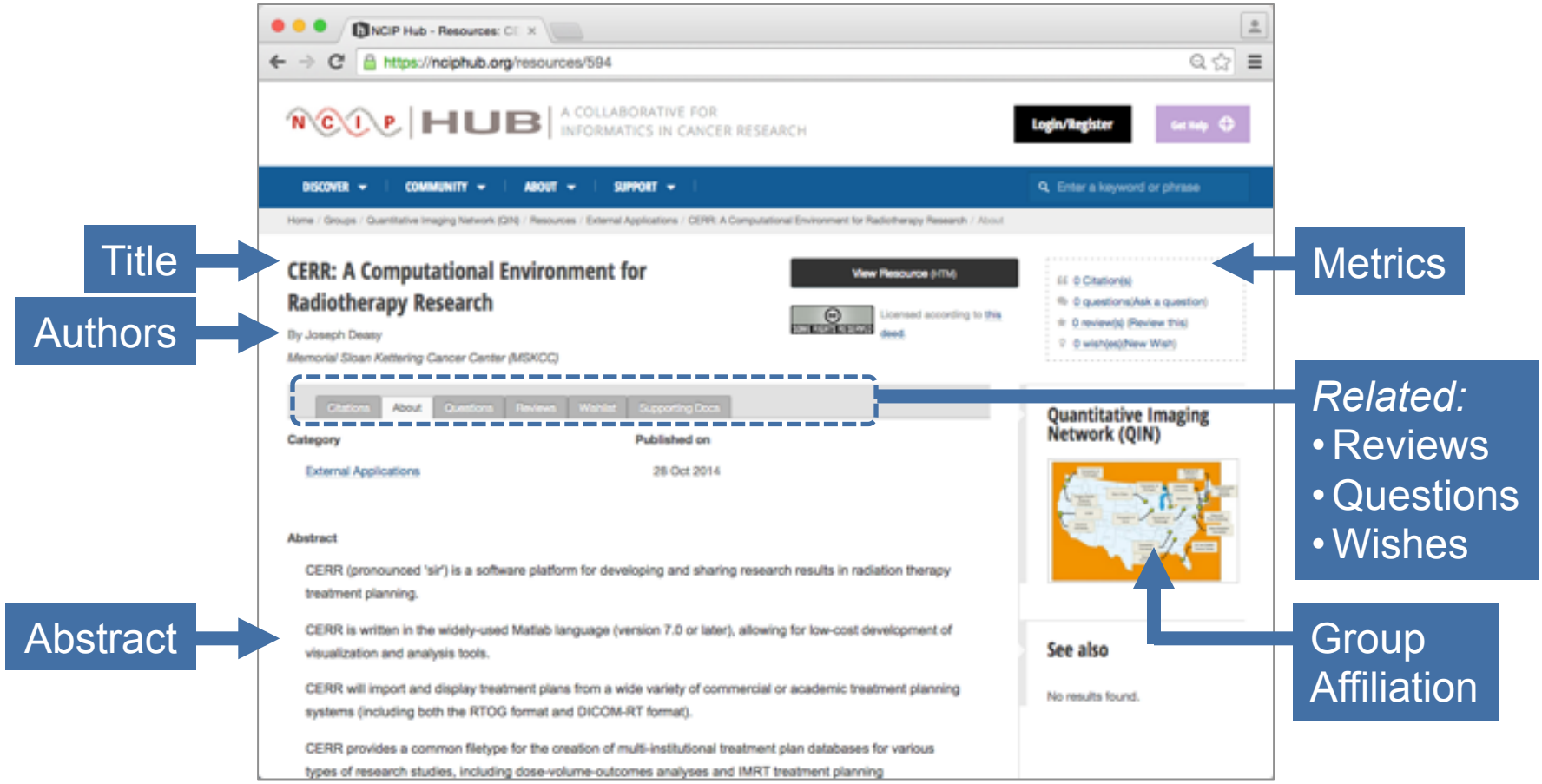
- Title
- Authors
- Abstract
- Bundle of links or documents

*Supports:*

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

# "Resource" = Digital Publication

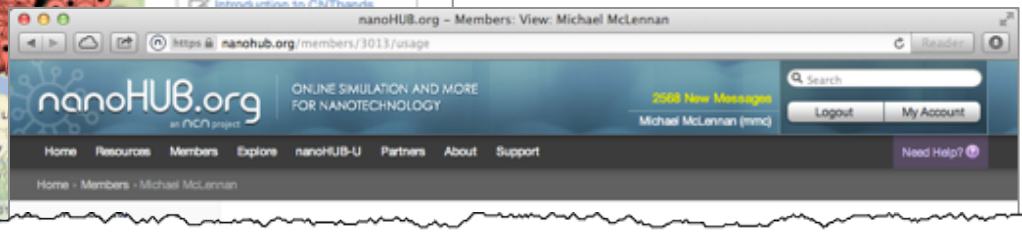
http://nciphub.org/resources/594



# 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 | | |

# Exercise #1

Follow along:

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