Research Showcase @ CMU is an open access repository of scholarly work produced by Carnegie Mellon University faculty, staff and students.

- Supports university’s commitment to preserve and provide access to CMU research
- Funded by the Office of the Provost
- Managed by the University Libraries
- Content is easily discoverable by search engines
- Affiliated with the Registry of Open Access Repositories and the Directory of Open Access Repositories

What is it?

Research Showcase @ CMU

What does it do?

Open access research is freely available to anyone with access to the Internet

- Collects, organizes and preserves CMU research
- Increases discovery, dissemination and access to CMU work
- Provides immediate or delayed (embargoed) open access to CMU research
- If desired, access can be restricted to authenticated CMU users
- Sends authors a monthly report of downloads of their work in the repository
- Provides an Author Dashboard to track and graph downloads over time
Why do we have it?

Having passed a resolution in 2007 encouraging researchers to make their work open access, the Faculty Senate subsequently passed a resolution to create a central repository where CMU researchers could make their work open access.

Increased discovery, dissemination and access:

- Increases use, citation and impact of CMU work
- Enhances the reputation and online presence of CMU researchers
- Raises the profile of the university

What is in the repository?

- Over 15,000 documents representing 219 disciplines from dozens of departments, centers and institutes
- Most of the full text content is open-access copies of work published elsewhere but a significant percentage is originally published by CMU Libraries, including CMU theses and dissertations and Dietrich College’s Journal of Privacy and Confidentiality
- Collections achieving notable growth in 2014: Dissertations (152), Biological Sciences (128), Psychology (98), English (52), SEI (50), Libraries (35) and Dietrich College Honors Theses (32)

In 2013-14 the Libraries experimented with adding descriptive metadata linked to full text on publishers’ websites if publisher copyright policies precluded its deposit in Research Showcase.

The experiment was discontinued because it did not increase access to CMU work and took time away from a more fruitful activity: harvesting full text documents from CMU researcher websites.
The 15,000+ documents in Research Showcase have been downloaded about 4 million times by roughly 143,000 users worldwide.

- Theses, dissertations and technical reports published in Research Showcase and freely available nowhere else on the Internet have recorded some of the highest numbers of downloads per paper in the repository.
- In comparison with the more than 150 institutions worldwide running the same repository platform, downloads per full-text document in Research Showcase underscores the demand for open access to CMU work—80th percentile in 2014.
- Demand for CMU theses and dissertations is off the charts—100th percentile in 2014.
- See download activity in real time with the Real Time Readership map at repository.cmu.edu.

Who uses Research Showcase?

Top 10 Countries & Top 10 Cities

- United States
- China
- United Kingdom
- India
- Germany
- Canada
- Australia
- South Korea
- Japan
- The Netherlands
- Pittsburgh
- Beijing
- New York
- London
- Seoul
- Washington
- Singapore
- Bengaluru
- Sydney
- Melbourne
How does content get into RS?

Content comes from all the colleges—dozens of schools, research centers, institutes and programs throughout the university, in the U.S. and abroad.

What about copyright?

Works in Research Showcase are checked for compliance with publisher policy using SHERPA/RoMEO.

Authors are urged to consider the publisher’s policy on open access when choosing where to publish, and to publish under an open license such as Creative Commons whenever possible. See CMU Guidelines on Author Rights and Preservation.

How is the content preserved?

The Libraries belong to the MetaArchive Cooperative, which insures that Research Showcase is backed up regularly using Lots Of Copies Keep Stuff Safe (LOCKSS) technology. The backups are replicated and distributed across seven geographically dispersed archives.

What’s next?

- Migrating the content to open source Hydra Fedora
- Integrating ORCID and EZID to uniquely and persistently identify researchers and documents
- Supporting more formats, e.g., video, audio, data ...
- Registering datasets created and shared by CMU researchers
- Exploring the automatic harvesting of metadata and full text from other repositories

University Libraries’ staff harvest metadata and full-text that is available on department websites and in faculty CVs, but this is slow work.

The university would prefer faculty and graduate students be proactive about placing their work into the repository. Library staff encourage and assist by providing options and guidance.

- **Mediated deposit**—Send content for deposit to the Research Showcase Coordinator, kbehrman@andrew.cmu.edu
- **Direct Deposit**—for all works except current CMU dissertations & theses
- **Depositing your dissertation**—decisions to make when publishing your dissertation

Undergraduate work (e.g., Dietrich Honors Theses) may be deposited by arrangement between the college or school and Libraries, mediated by the Research Showcase Coordinator, kbehrman@andrew.cmu.edu.