

Sustaining Open Scholarship

through the University of Virginia Library



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Open Access: “That ideas should freely spread from one to another over the globe”

To show the centrality of knowledge in his plan for the University of Virginia, Jefferson placed the Library at its heart, a provocative choice at a time when other institutions were built around houses of worship. Since that time, the Library has been committed to Jefferson’s vision of the free spread of ideas. Today our commitment to access is stronger than ever, further emboldened by the advent of new technologies that make possible unprecedented distribution of knowledge.

In 1813, Thomas Jefferson wrote, “He who receives an idea from me, receives instruction himself, without lessening mine; as he who lights his taper at mine, receives light without darkening me. That ideas should freely spread from one to another over the globe, for the moral and mutual instruction of man, and improvement of his condition, seems to have been peculiarly and benevolently designed by nature.” Nearly 200 years later, scholars at the Budapest Open Access Initiative explained why Jefferson’s vision of unfettered global spread of knowledge is more feasible now than ever before: “An old tradition and a new technology have converged to make possible an unprecedented public good. The old tradition is the willingness of scientists and scholars to publish the fruits of their research in scholarly journals without payment, for the sake of inquiry and knowledge. The new technology is the internet. The public good they make possible is the world-wide electronic distribution of the peer-reviewed journal literature and completely free and unrestricted access to it by all scientists, scholars, teachers, students, and other curious minds.” Open access — free online access to the products of research — promises the fullest realization of Jefferson’s vision, a candle to illuminate the world.

To spread freely may be the natural inclination of all ideas, but realizing that vision requires investment and support. The Library is proudly committed to that support not only because of our founder's vision, but also because we know that openness ensures greater dissemination, inclusiveness, and integrity for research. By supporting openness, we support the advancement of knowledge and the education of the next generation.

These resources, tools, and services, plus a great deal more, can be found on library.virginia.edu/services/faculty/ and thetaper.library.virginia.edu

Throughout the booklet tools and resources marked in blue, orange, and gray indicate the following:



Blue are resources created at UVA.



Orange are tools supported by UVA.



Gray are resources suggested by UVA Library.

For Researchers and Scholars

The research process can be broken into three basic stages or phases, and open tools and resources are available at each of these points in the process. **Discovery and information gathering** are faster and cheaper thanks to open access materials and search tools. **Processing and organizing research** makes your scholarship transparent and collaborative when you use open infrastructure and tools. Finally, **publishing and sharing** the results of your research is faster and of higher impact when you choose open journals, platforms, and tools that make your research freely available to the world.

Discovery and Gathering



OA Button is a browser extension that can help you find free research articles instantly. When you hit a paywall, the OA Button will either retrieve a free copy of the article or help you ask the author to deposit the article in a repository. openaccessbutton.org



Use **Unpaywall** to find freely available research articles. Install the extension in your Chrome or Firefox browser, and when you land on a pay-walled article, look for the “unlock” tab on the right side of your browser and click. unpaywall.org



VIRGO is UVA's online catalog and a gateway to open access content in UVA collections and beyond, including Libra, DPLA, DOAJ, HathiTrust, and more. search.lib.virginia.edu



The Library is a member of **arXiv**, an automated archive and distribution server for scholarly articles in physics, mathematics, computer science, nonlinear sciences, quantitative biology, quantitative finance, statistics, electrical engineering, systems science, and economics. Authors submit and update their articles to arXiv for users to retrieve. arxiv.org



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PhilPapers indexes content in philosophy and provides an open access archive of philosophy research. It also provides a structured bibliography with half a million entries classified at varying levels. philpapers.org



Chemistry Open Publishing Resources Open access initiatives supporting research and teaching needs of the Department of Chemistry at UVA. guides.lib.virginia.edu/chemistry/oachem



Digital Public Library of America (DPLA) contains images, texts, videos, and sounds from libraries and collections across the United States. dp.la/



South Asia Open Archives is an open access collection of South Asian arts, humanities, and social science resources. jstor.org/site/saoa/



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SCOAP³ (Sponsoring Consortium for Open Access Publishing in Particle Physics) has helped convert key journals in the field of high-energy physics to open access at no cost to authors with support from libraries like UVA. SCOAP³ journals are open for any scientist to publish in without any financial barriers. scoap3.org





Smithsonian Open Access includes images and data from across the Smithsonian's 19 museums, nine research centers, libraries, archives, and the National Zoo. si.edu/openaccess



MorphoSource is a project-based data archive that allows researchers to store, organize, share, and distribute their own 3D data. Registered users can download open access 3d morphological data sets. morphosource.org/

Processing, Conducting, and Organizing



Open Science Framework (OSF) enables collaborative research and writing, keeping files, data, and protocols in the cloud. Control which parts of your project are public or private, connect to other tools such as Google Drive, Dropbox, and Git to share data, archive data, and track project changes. Sign in with your UVA Netbadge account. osf.io or osf.io/institutions/uva



Overleaf is an online collaborative writing and publishing platform that makes writing, editing, and producing your research papers and reports faster and more efficient. Overleaf is LaTeX-based but can use rich text mode. Publisher-specific templates enable you to submit directly to journals. UVA has partnered with Overleaf to provide all students, faculty, and staff with Overleaf Professional accounts. overleaf.com/edu/virginia



Zotero is a free citation manager that can be used online, on your desktop, or as a browser extension. Collect citation information from web pages and databases and create groups to share citations. zotero.org or guides.lib.virginia.edu/Zotero



Perma.cc is a free open source tool to prevent link rot in your scholarship. When you give Perma.cc a URL of the page you want to cite, their software visits that URL, preserves what's there, deposits it into the Perma.cc collection, and gives you a unique URL (e.g. "perma.cc/ABCD-1234") that will never break. perma.cc/



Publishing and Sharing

Note: Many of the resources listed above as sources of open research are also good venues for publishing and sharing the results (both preliminary and final) of your own research.



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Libra is UVA's set of open repositories containing journal articles, monographs, presentations, reports, theses and dissertations, open data, and more. Items in Libra are readily discoverable because they are indexed by search engines, Google Scholar, and the Library's online catalog. LibraOpen is for scholarly articles, books, and other creative works openly licensed by UVA authors. LibraETD is for approved UVA electronic theses and dissertations. LibraData is UVA's local instance of Dataverse and is for datasets and other scholarly research products.

libra.virginia.edu



DOI services include your work being assigned a permanent URL and becoming more widely indexed. A “digital object identifier” can be obtained by depositing your work in Libra (above).



Preprint repositories find preprints in your field or share your own early-stage research using repositories such as arXiv (physics, math, computer science), SocArXiv (social science), PsyArXiv (psychology), LawArXiv (Law), and bioRxiv (biology).

osf.io/preprints



ORCID iD is a unique researcher identifier, used worldwide, that you can keep throughout your life and retain even if you change institutions. An Open Researcher and Contributor Identifier distinguishes you from other researchers, even if they have the same name, and enables authoritative links to be created between you and your research activities. UVA is an institutional ORCID member.

library.virginia.edu/services/orcid-at-uva/



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pubpub.org





Think. Check. Submit. helps researchers identify trustworthy journals and assess their readiness to submit manuscripts by providing a range of tools and resources. thinkchecksubmit.org



SHERPA/RoMEO is a database of publisher open access policies that allows authors to verify self-archiving (green OA) permissions on a journal-by-journal basis. sherpa.ac.uk/romeo/



For Instructors and Students

Open Educational Resources (OER)

OER reduce the high costs of education for students while giving instructors more freedom to create and adapt course materials using open licenses.



UVA Library Course Enrichment Grants provide support to faculty who would like to enhance students' abilities to seek, evaluate, manage, and use information and data in scholarly contexts, as well as create new types of media-rich class assignments.

library.virginia.edu/services/faculty/enrichment-grants/



Open Textbook Network Workshops at UVA support faculty who are concerned about the impact of textbook costs or are interested in exploring how open pedagogy can create a more inclusive and active learning experience. Workshops are offered throughout the year, led by members of the Open Textbook Network, and are announced on the Library website.

library.virginia.edu



Open Textbook Library is an online collection that contains over 500 freely available electronic textbooks with Creative Commons licenses that allow adaptation. All can be read online and are downloadable for offline reading. open.umn.edu/opentextbooks/



VIVA Faculty Textbook Portal helps faculty find and select open and affordable course materials. With over 200,000 titles from the shared collections of VIVA (Virginia's statewide library consortium), faculty can request the purchase or adoption of specific titles. vivalib.org



OpenStax is a growing collection of professional-quality and peer-reviewed intro-level textbooks with Creative Commons Attribution licenses (CC-BY). Many have companion online homework systems available at a discounted rate. openstax.org



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Mason OER Metafinder conducts a real-time, federated search across 21 different sources of open educational materials. mom.gmu.edu



OER at UVA Libguide Find resources and expertise on educational materials that are freely available for teachers and students to use, adapt, share, and reuse. guides.lib.virginia.edu/OER



Humanities Commons is an open access repository of articles, chapters, teaching materials, and other academic resources in the humanities and relevant social sciences (e.g. sharing cover letters, job talks, CVs from various faculty, library, academic job applications). hcommons.org



The Programming Historian is a peer-reviewed journal of digital humanities and social sciences tutorials that walk readers through both the why and how of using a digital method for teaching or other research. programminghistorian.org



HASTAC (Humanities, Arts, Science, and Technology Alliance and Collaboratory) has a variety of writing, blogs, and teaching materials across disciplines. hastac.org

UVA Library Resources and Contacts

The Scholarly Communications Team

Brandon Butler (Director of Information Policy, copyright and licensing information) copyright@virginia.edu

Lorrie Chisholm (Digital Migration Project Coordinator, Libra) lsc6v@virginia.edu

Dave Ghamandi (Open Publishing Librarian & Managing Editor, Aperio) publish@virginia.edu

Sherry Lake (Scholarly Repository Librarian, Libra Repository Manager for Open Content and Data) libra@virginia.edu

Ellen Ramsey (Acting Director, Scholarly Communications) ellen@virginia.edu

OER at UVA

Judy Thomas (Director of Faculty Programs) jet3h@virginia.edu

Hanni Nabahe (Resident Librarian) hdn9c@virginia.edu

UVA Library Teaching & Learning teachlearn@virginia.edu

Subject Liaisons for Academic Units

Librarians with knowledge and expertise in specific disciplines, schools, and programs across the University.

guides.lib.virginia.edu/subjectlibrarians

Scholars' Lab

Consultations and expertise on the practice of experimental scholarship in all fields, informed by digital humanities, spatial technologies, & cultural heritage thinking.

scholarslab.lib.virginia.edu

Research Data Services

Consultations and support for data discovery and collection; data analysis, visualization, and computation; and research data management and sharing. RDS offers workshops and consultations with researchers on use of open-source software tools for data science like R and Python to promote reproducibility, and platforms like GitHub and GitLab for sharing of software and code. data.library.virginia.edu

Glossary: The Language of Open

Open Access

Open access refers to the distribution of research outputs (including pre-prints, data, and peer reviewed articles) freely online, subject to an open license. Open access can be achieved by publishing in an open access venue or archiving a version in an open access repository.

Open Source

Open source refers to software that is free to use and reuse at no cost. Open Source software is made openly available under a license that allows anyone to access, use, share, and modify it without needing to ask permission.

Open Data

Open data refers to data that is openly available and openly licensed. Open data is free to everyone to use and re-use as they want, without restrictions.

Open Education

Open Education includes tools, practices, and resources that leverage knowledge sharing, technology, open licenses, and collaboration in service of learning. Open Educational Resources (OER) are freely and publicly available teaching, learning, and research resources (e.g. simulations, textbooks, or videos) that are free of copyright or openly licensed.

Open Licenses

Open licenses allow a copyright holder (usually the author) to grant permission to the public to make certain uses of their work, typically subject to certain conditions (such as providing attribution to the author). Creative Commons (CC) licenses are a suite of standardized open content licenses that authors (and other copyright owners) can use to enable their work to be copied, adapted, and shared. Creators of software can use open software licenses to grant the public permission to use, modify, and distribute software and source code. creativecommons.org/licenses

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