

THE SCHOLARLY COMMUNICATIONS COOKBOOK

**edited by Brianna Buljung and
Emily Bongiovanni**



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Using Vireo and DSpace to Capture “Non-ETD” Student-Created Work

Kelly Visnak, MLS, PhD, Associate Vice President and University Librarian, Texas State University, kelly.visnak@txstate.edu

Yumi Ohira, MFA, MLS, Digital Publishing and Repository Librarian, The University of Texas at Arlington Libraries, yumi.ohira@uta.edu

NUTRITION INFORMATION

Academic libraries offer digital publishing services and solutions to further educate and contribute to faculty and student success. Open access solutions improve worldwide dissemination of their scholarly and creative works. This recipe was developed for academic libraries who are reimagining how their open access initiatives can contribute to student academic and professional success.

Institutional repositories (IRs) capture and disseminate the intellectual research output of the university community, such as peer-reviewed journal articles, electronic theses, and dissertations (ETDs). IRs promote the visibility and reputation of the faculty, students, and researchers who contribute their scholarly and creative work. The successful implementation of an IR can contribute to the university's strategic goals for student success. However, there are limited opportunities for the students who participate in research activities tied to high-impact educational practices to publish and disseminate their scholarship in the IR.

This recipe can expand student publishing opportunities and align the libraries' scholarly

communication efforts with the universities' priorities for student success with faculty and student participation in the IR. This recipe is suitable for academic libraries that, ideally, are implementing the open-source software DSpace as their institutional repository and Vireo ETD Submission and Management System. Vireo is a Java-based DSpace plugin developed by Texas Digital Library and designed to manage the electronic submission and approval process for theses and dissertations.

LEARNING OUTCOMES/PROJECT OUTCOMES

- Construction of the previously used ETD submission tool (Vireo) is copied and customized to be used as an online submission tool for additional student scholarly and creative works. The new submission tool links with the intuitional repository (DSpace) to improve the dissemination of student work for both professional and academic success and library archival purposes.
- The integration of student online submissions and an improved efficiency of the workflow for repository management results in more effective submission

procedures, allowing easier depositing of content into the repository.

- The execution of a systematic submission workflow allows institutions to implement effective submission procedures for a wide range of student-created works.
- Transparency of the library and university efforts while demonstrating the initiative's benefits increases the support and use of the institutional repository by faculty and student-participants.

NUMBER SERVED

Total of 3 events and 20 participations per event would be manageable in the first year of implementation.

COOKING TIME

It will take 2 months to completely launch a new submission tool based on the Vireo system.

The length of time needed to establish a workflow that enables pro-active student submission to the new tool and the institutional repository depends on the size of the institution and its organizational culture. To sweeten this recipe, work with university communications to create a digital flyer and

share the dish broadly across campus and through student social media (Twitter, Facebook, and Instagram).

DIETARY GUIDELINES

The purpose of this recipe is to provide academic libraries with solutions for capturing student creative work from research events across campus using the Vireo ETD Submission and Management System and the DSpace platform. This recipe helps libraries commit to the academic and professional success of their students. It also strives to increase awareness and use of the students' creative work, approaching scholarly communications as the libraries are research partners for campuses to learn, share, and advance.

Implementing this recipe, libraries are able to bring impactful services for student success in a higher-education climate. They can also provide initiatives pertaining to the research lifecycle to help the campus community navigate the evolving publishing process with open access to promote student research, dissemination, accessibility, and impact. This effort allows libraries to scale campus-wide support for awareness, adoption, and use of open access scholarly work.

The new Vireo submission tool enables the establishment of a workflow to collect student creative works from decentralized research events across campus. It also enables the use of the library's communication strategy to encourage faculty and student participation.

The student work deposited onto the DSpace platform through the Vireo submission tool will be publicized online and be more discoverable and measurable. Embracing the practice using Vireo, libraries can enhance their student work to learn, share, and advance.

INGREDIENTS & EQUIPMENT

- An institutional repository based on the DSpace system. DSpace is open-source software and is one of the most frequently used open access digital repository systems.
- The ETD Submission Tool, Vireo. The Vireo system is an open-source system and Java-based DSpace plugin developed by the Texas Digital Library. Vireo was originally designed to manage the ETD submission and approval process.
- The ability to launch a new submission tool based on the Vireo system
- The ability to perform outreach focusing on marketing the new submission tool and collecting student creative works from research events on campus
- Instructional tools (e.g., LibGuide, video tutorials, etc.)
- Student participants from research events on campus

PREPARATION

1. Install the Vireo system (version 3) on the test server (e.g., Linux) as a demo version of the new submission tool.

Note: This step includes registering the submission tool for your institution's authentication, which allows the partici-

2. Identify what is needed to customize the original Vireo system with layout, workflow, content, etc. to create a submission tool for student creative works, which includes the following, for example:
 - a. The title of the submission tool (e.g., "Welcome to the Student Creative Works Submission System")
 - b. The content regarding "theses" and "dissertations"
 - c. Required fields regarding the student's affiliation. Remove the "degree" field and add a new field that allows the student to indicate which part of the university's strategic plan to be put into the student's research.
 - d. License agreement. Include an institutional repository deposit agreement rather than a ProQuest user agreement.
 - e. The document information. Replace the committee member information with information about co-authors.
 - f. The content on the automated emails
3. Customize the original Vireo system by directory access to the server or by using the Vireo administrative interface.
4. Create and set a deposit location in the DSpace repository as a restricted collection, which collects student-submitted works through the submission tool.
5. Turn the demo version site into a production site.

COOKING METHOD

Campus engagement is vital to capturing

student work across campus through the Vireo submission tool. If each college and/or department hosts its own research event along with other disciplinary research events on campus, this recipe offers the ability to make it possible to serve a large community and invite student creative works into the institutional repository.

1. Recruit and actively communicate on campus through college, school, etc. at every level within the university library structure.

- Engage with the dean of the library to carry out advocacy and communication directly with their peer groups, such as the deans of each academic college, provost office, related vice presidents, and others within their sphere of influence.
- Involve the associate university librarians to communicate directly with associate deans on both the academic and research sides of campus, research office, and academic affairs. Be sure to include the center for teaching and learning excellence, undergraduate research, graduate school, and others interested in student success.
- Partner with liaison librarians to communicate directly with their disciplinary department chairs and individual faculty members who are involved in the research events and/or whose students are participating in the research activities.

2. Increase awareness of faculty members and their students toward scholarly

open access.

- The library provides faculty members and students with the LibGuides information and workshops that allow the students to
 - take the opportunity to learn the benefits of open access and shared knowledge;
 - understand the value of retaining their rights and institutional properties for sharing and more flexible uses of their creative work through the IR; and
 - increase their interest in self-archiving their creative works in the IR, which can make their creative works more discoverable in the wider academic community. This can lead to their future career success.
- Depositing student creative works into the IR can be part of the research event requirements. This can establish the student works collection in the IR by collecting all student works from the events and improve the IR itself.

3. Assist students with submitting their works through the Vireo submission tool.

- Partner with liaison librarians when possible.
- Create submission guidelines, including step-by-step support and guidance, such as LibGuides, brochures, and short video tutorials.
- Plan the research events to prepare support services for the submission process.

- Schedule a submission workshop.
- Set up a help desk and/or online help desk.
- Provide a walk-in service during office hours.
- Follow up with the students and faculty members who are involved in the events after gathering student works from the research event and updates on building the student collection in the IR.

ALLERGY WARNING

For resistant disciplines on campus, first foster relationships with faculty and administrators. Then design customized presentations to faculty and/or student training to suit their needs. Be sure to share your established workflow and successes from other departments to ensure good partnerships.

Some administrators may be cautious about the quality of student work.

- Substitution 1: Faculty could select the top work to be ingested.
- Substitution 2: Could include additional librarian workshops supporting quality of output for that department. For example, a workshop on how to design a research poster.

CLEAN-UP

Host a workshop for students to learn about the submission tool and how to use it to craft a more impactful résumé/CV or drive traffic through their website, ePortfolios, or LinkedIn profile.

The required fields for the submission process can include the category related to types of research, name of the research center, or academic or research program. Capture this data for assessment purposes and reporting data to individual university groups for accreditation purposes. Research and creative student outputs contribute to the achievement of the university's research, teaching, and service.

CHEF'S NOTES

- If starting from scratch, consider reaching out to other institutions using Vireo for suggestions on implementing this open-source software.
- It is essential to raise students' awareness of the benefits of open access and to motivate the students to submit their creative works from the research events

into the IR through the submission tool.

- The research events could require the students to submit their creative works into the IR as part of the program requirements.
- This recipe can be applied to the collection of faculty papers in the IR, such as peer-reviewed journal articles published in open access journals.

ADDITIONAL RESOURCES

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