The Carolina Digital Repository During COVID-19: Responding to a Pandemic

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UNC | UNIVERSITY LIBRARIES

The Carolina Digital Repository (CDR)

Institutional Repository

Built on Samvera Hyrax

Launched June 2019

Student work to faculty scholarship

https://cdr.lib.unc.edu

https://github.com/UNC-Libraries/hy-c

CDR and COVID

Why more projects?

- Increase ongoing access to scholarly content
- Demonstrate value of repositories

Three projects:

- Project 1: Mass upload of vendor-supplied content
- Project 2: CV review
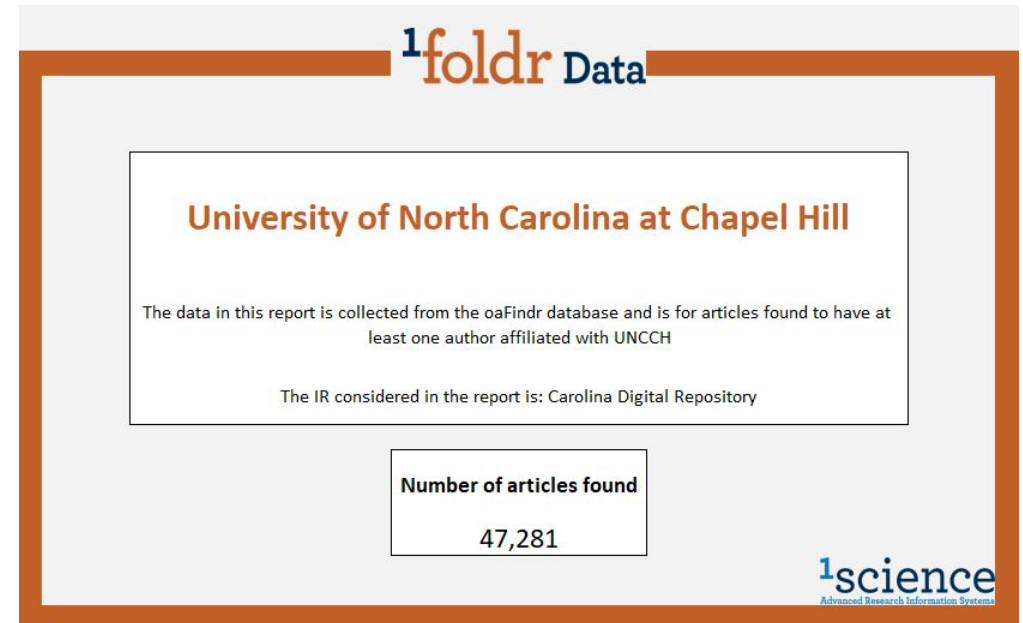- Project 3: Coronavirus research

Project 1: Mass Upload of Vendor-Supplied Content

Background and Project Goals

Purchased report listing 47,000 open articles and metadata

Out of the box?

Goal: Quick way to change direction of CDR from student work to faculty scholarship

Process

Batch content based on permissions

Investigated metadata

Download PDFs of articles

Merged data from spreadsheet
and API

Test ingests and more test ingests

Departments

Studio Art	6,231
University of North Carolina at Chapel Hill	5,842
School of Information and Library Science	2,403
School of Medicine	1,848
Department of Epidemiology	1,657
Department of Environmental Sciences and Engineering	1,357
Public Health Leadership Program	1,313
Department of Medicine	973
Department of Microbiology and Immunology	945
Department of Chemistry	938
Department of Nutrition	903
Department of Biostatistics	895
Department of Psychology and Neuroscience	890
Department of City and Regional Planning	859
Department of Biology	771
Department of Political Science	623
Department of Health Policy and Management	589
Department of Maternal and Child Health	553
School of Education	553
Department of Exercise and Sport Science	544

Results

Batch 1: Open Access Policy articles
- April 2020
- 5,000 articles

Batch 2: PubMed articles
- October 2020
- 22,000 articles

Batch 3: Open License and publisher permitted articles
- In progress
- 5,000 articles

Batch 4: Individual vetting
- In progress
- 13,000 articles

Lessons Learned

"Out of the Box" = still needs work

Lots of test batches
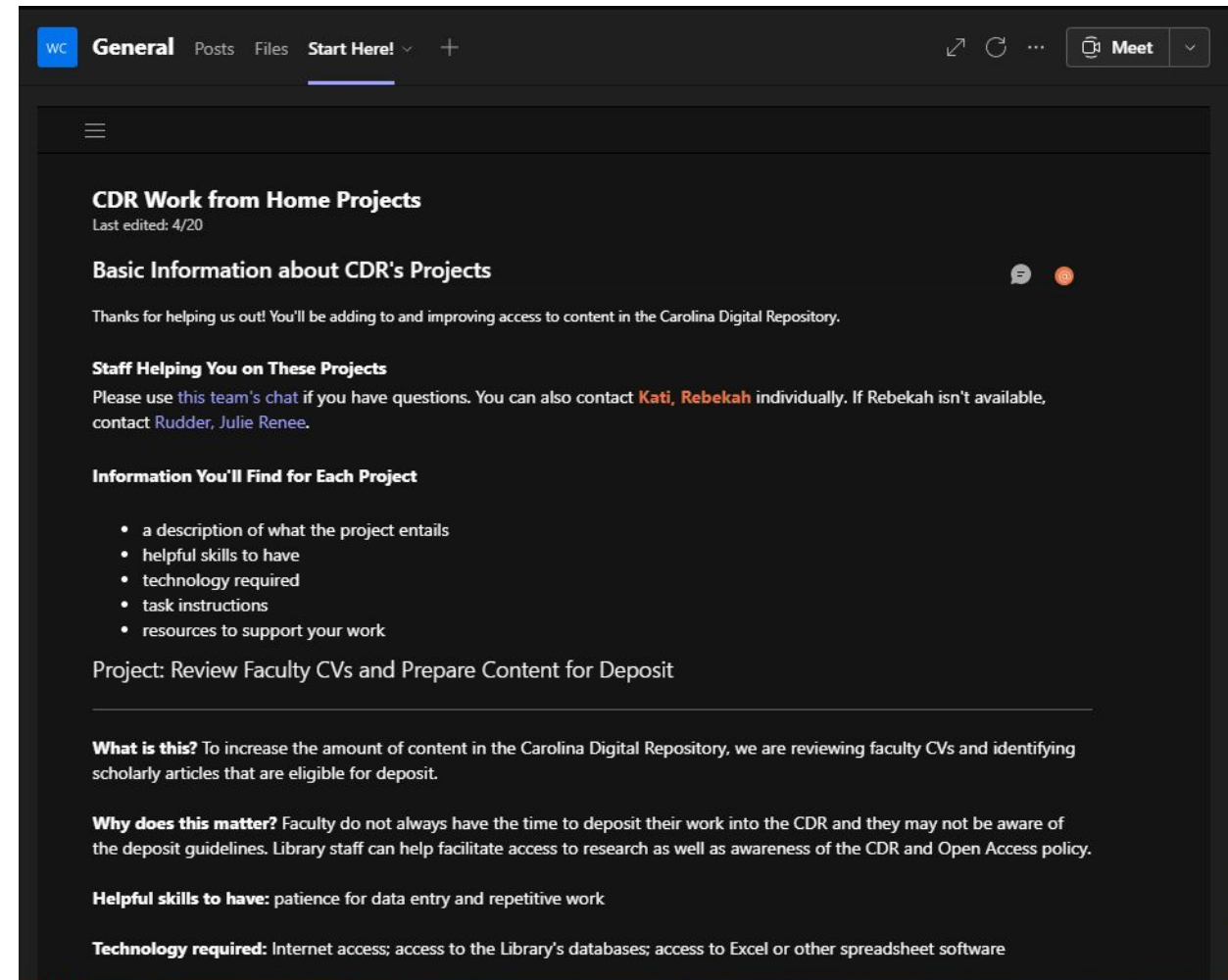
Anticipate more time, especially with vacancies

Project 2: CV Review

Background and Project Goals

1 of 6 projects created
for remote library workers
during COVID

Used Microsoft Teams

Goal: review faculty
CVs to identify articles
eligible for deposit

CV Review Process

1. Sign-up sheet
2. Google for faculty CVs
3. Enter scholarly article metadata into spreadsheet
4. Look up deposit policies via Sherpa/RoMeO
5. Download eligible articles
6. Upload full package to Teams

Training materials: Excel metadata template, written directions, video tutorial, sample file package

Results

551 CVs reviewed

20,995 articles reviewed

7,404 articles eligible for deposit

24 workers

Humanities and social sciences content

Department, Center or School	Library Staff Member	Status	Notes
Center		Unassigned	
School of Medicine; Bowles Center for Alcohol Studies		Unassigned	
School of Medicine; Carolina Center for Genome Sciences		Unassigned	
School of Medicine; Carolina Vaccine Institute		Unassigned	
School of Medicine; Center for Aging and Health		Unassigned	
School of Medicine; Center for AIDS Research		Unassigned	
School of Medicine; Center for Environmental Medicine, Asthma and Lung Biology		Unassigned	
School of Medicine; Center for Heart and Vascular Care		Unassigned	
School of Medicine; Center for Maternal and Infant Health		Unassigned	
School of Medicine; Center for Women's Health Research		Unassigned	
School of Medicine; Curriculum in Bioinformatics and Computational Biology		Unassigned	
School of Medicine; Curriculum in Genetics and Molecular Biology		Unassigned	
School of Medicine; Curriculum in Toxicology		Unassigned	
School of Medicine; Cystic Fibrosis and Pulmonary Diseases Research and Treatment Center		Unassigned	

Lessons Learned

Flexibility!

Target underserved areas

Plan for going forward

Project 3: Coronavirus Research

Background, Project Goals and Process

Increase amount of coronavirus-related research in CDR

UNC-CH ranked high for coronavirus research by Microsoft Academic

Same process as CV review project

Broad view of coronavirus research

https://thewell.unc.edu/2020/04/06/carolina-ranks-highest-among-us-universities-in-coronavirus-research/

Results

85 CVs reviewed

10,825 articles reviewed

4,003 articles eligible for deposit

Science, medicine

UNC-CH Coronavirus Research Collection:
https://cdr.lib.unc.edu/collections/j3860c88t

Lessons Learned

Faculty are happy for their research to be deposited

Importance of current events and marketing

Other Initiatives

Google Scholar enhancements

Author order

Meta-tags

Remediation

```
<!-- Google Scholar metadata -->
<meta name="citation_title" content="Critical ace2 determinants of sars-cov-2 and group 2b coronavirus infection and replication" />
        <meta name="citation_author" content="Adams, L.E." />
        <meta name="citation_author" content="Dinnon III, K.H." />
        <meta name="citation_author" content="Hou, Y.J." />
        <meta name="citation_author" content="Sheahan, T.P." />
        <meta name="citation_author" content="Heise, M.T." />
        <meta name="citation_author" content="Baric, R.S." />
<meta name="citation_publication_date" content="2021" />
<meta name="citation_pdf_url" content="http://cdr.lib.unc.edu/downloads/xg94hz097" />
<meta name="citation_journal_title" content="mBio"/>
<meta name="citation_volume" content="12"/>
<meta name="citation_issue" content="2"/>
<meta name="citation_firstpage" content="1"/>
<meta name="citation_lastpage" content="9"/>
```

Batch Upload with Bulkrax

CSV and file import

Questions?

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