



Research Data Preservation in Canada

Beth Knazook (Portage)

Jonathan Dorey (Institut national de la recherche scientifique)

Corey Davis (University of Victoria and CARL)

[Portage Network - Réseau Portage](#)



Territory acknowledgement - Universi...



Watch later as C0R3Y ire

UNIVERSITY OF VICTORIA



TERRITORY
ACKNOWLEDGEMENT

In this video, Songhees Elder Elmer George welcomes visitors to the traditional lands of the Songhees, Esquimalt and WSÁNEĆ people in Lekwungen and English, and UVic President Jamie Cassels gives a territory acknowledgement and talks about UVic's commitment to redressing historical and continued barriers facing Indigenous students.



What is digital preservation?

Its more than just backup and storage...

WEATHER FORECASTS

Winds and Velocity.—Light to moderate winds; generally fair, not much change in temperature.
Lower Mainland.—Light to moderate winds; generally fair, not much change in temperature.

The Daily Colonist.

(ESTABLISHED 1840)

COLONIST TELEPHONE

Business Office 11
Circulation 43
Job Printing 197
Editorial Rooms 80
Editor 3111

No. 263—SIXTIETH YEAR

VICTORIA, BRITISH COLUMBIA, TUESDAY, OCTOBER 8, 1918

SIXTEEN PAGES

FRENCH CAPTURE IMPORTANT TOWN OF BERRY-AU-BAC

Commands Large Portion of Aisne River Valley—
Its Occupation Marks Advance Far to North
of Rheims—Successful Operations
North of St. Quentin Reported.

BRITISH ADVANCE NORTH OF SCARPE

Send Line Forward on Front of Four Miles, Tak-
ing Villages of Biache-St. Vaast and Oppy—
Prisoners and Guns Captured—Prog-
ress Made South of Cambrai.

PARIS, Oct. 7.—The French have captured Berry-au-Bac, the War Office announces tonight.

The statement says:

"We have captured Berry-au-Bac,

"Northeast of St. Quentin local operations to improve our positions gave fine results. Seven hundred prisoners were taken in the past twenty-four hours."

British Line Advanced

LONDON, Oct. 7.—The British line has been advanced on a front of four miles north of the Scarpe, Field Marshal Haig reports tonight. The villages of Biache-St. Vaast and Oppy were captured. The statement reads:

"In successful local operations this morning we advanced our line on a front of about four miles north of the Scarpe River, capturing the villages of Biache-St. Vaast and Oppy, with more than 100 prisoners and a number of machine guns. Patrol fighting took place also northeast of Epinoy and



VICE-ADMIRAL SIR A. L. DUFF
Assistant Chief of Naval Staff, who is in
Washington with Sir Eric Godson.

SLACKER TREATIES NEAR COMPLETION

OTTAWA, Oct. 7.—Negotiations with Belgium, Greece and other countries which will lead to the signing of "slacker treaties," which have been in progress for the last two months, are now said to be so near completion that steps have already been taken by the authorities to secure a list of the names of citizens of Allied countries now resident in Canada who would be called upon to rejoin the colors. No exact data

CANNOT THINK OF ARMISTICE

Allied Armies Are Now in Position to Inflict Severe Defeats on Germans and Compel Their Retreat.

CESSATION WOULD PERMIT RECUPERATION

Enemy Could Save His Men in Unhampered Withdrawal and Replace Much of His Lost Material.

WITH THE BRITISH ARMY IN FRANCE, Oct. 7.—"Victory first, then peace!"

This is the manner in which French civilians who have returned to their shell-wrecked homes in Northern France expressed themselves when the subject of an armistice was discussed.

The same idea runs through the minds of all the Allied armies, where men have seen their comrades die and where the feeling is that they have died in vain unless victory is absolute.

The suspension of hostilities, even for a few days, would enable the Germans to continue their preparations of lines to which they might retire. The moment the Hindenburg system has been smashed the German military leaders have every reason to believe they may soon be fighting back over country in which at present they have no lines, no dugouts, no protection from the Allied advancing troops.

The Allied armies are in a strong and advantageous position, and the general feeling here is that the defeat of Germany may come sooner than expected.

FRENCH FLEET ENTERS BEIRUT

PARIS, Oct. 7.—A French naval division operating off the coast of Syria entered Beirut this morning. The enthusiasm of the populace was indescribable.

The official communication announcing the taking of the port follows:

"A French fleet entered the port of Beirut at 6 o'clock this morning among indescribable enthusiasm on the part of the people."

Beirut, capital of the vilayet of the same name, is the chief seaport of Syria. It is situated on the Mediterranean seventy-five miles northwest of Damascus. Before the war Beirut had a population of more than 150,000, two-thirds being Christians.

MINISTERS SPEAK AT PRINCE RUPERT

PRINCE RUPERT, B. C., Oct. 7.—Hon. E. B. Carvell and Hon. J. A. Calder addressed a well-attended public meeting Saturday night in this city.

Mr. Carvell, in referring to port facilities, said that whenever it could be shown him that business warranted he would be glad to recommend the spending of money for terminal works. He was surprised, he said, at the size of the port, and impressed with its geographical advantages. He declared that he had gained during his visit information that would work out to the benefit of this city after his return to Ottawa.

FACE DIFFICULTY IN NEAR EAST

Central Powers Are Placed in

AMERICANS TAKE ARGONNE POSITION

Force Enemy Out of Chalet Chehery, Northwest of Apremont and Plant Themselves on Commanding Heights West of River Aire—
Valiant Dash at Early Hour.

DIFFICULT HILLS TAKEN AFTER SEVERE FIGHTING

Infantry Detachments Storm Trenches With Hand Grenades—German Artillery Fire Reported to Be Moderating—Movements of Guns to North Are Noted.

WITH THE AMERICAN ARMY NORTHWEST OF VERDUN, Oct. 7.—The Americans achieved another important local success today by forcing the Germans out of Chalet Chehery, northwest of Apremont. Pushing forward, they overcame the stubborn resistance of the enemy and settled themselves on the commanding heights west of the river Aire.

Nothing of importance occurred on the other portions of the American front throughout today.

The attack which culminated in the capture of Chalet Chehery began this morning by the left and left centre troops from just north of Hill 223 to the western edge of the Argonne, where the French to the left joined in the assault. The infantry went forward at 5 o'clock, the troops on the east crossing the Aire.

A heavy mist afforded the men good protection while it lasted. Beyond the river the men were infiltrated through the hill between Hill 180 and Hill 223. Thence they worked into the wood beyond and attacked and carried Hill 180 after hard fighting.

The Germans began the withdrawal of their artillery when they saw the attack was likely to prove successful.

Reach Objective

The troops in the centre of attack met the first obstacle 16 minutes after starting in the shape of German trenches. The Americans deluged these with hand grenades, raving the reinforcements. They

ADMIRALTY PARTY AT WASHINGTON

The Daily Colonist

Established 1858.
The Colonist Printing & Publishing Company, Limited.
1111-15 Broad Street, Victoria, B.C.
A. L. TUCK, Business Manager.

Subscription Rates by Courier:
Yearly \$7.50
Monthly60
Subscription Rates by Mail:
To Canada, Great Britain, the Empire, Russia and Mexico:
Yearly \$8.50
Half-Yearly 4.50
Quarterly 1.50

Half-subscriptions are recognized to make all remittances exact in The Daily Colonist.
Subscribers in changing change of address should be particular to give both old and new addresses.
All subscription rates payable in advance.

Tuesday, October 8, 1918

VICTORY FIRST; THEN PEACE!

Public opinion in all the Allied countries has already, to all intents and purposes, decided what President Wilson's reply to the peace overtures of the Central Powers must be. Beyond all other war aims of the Allied nations this struggle has decreed the extinction of Prussian militarism. It can never be destroyed on the basis of negotiations with the powers that be in Germany. At any peace conference, on the terms the Central Powers are now willing to negotiate, would be found representatives of those who ordered the destruction of the Lusitania, who decreed the murder of Nurse Cavell and Captain Fryatt, who shot Belgian civilians in cold blood, who fired towns in a spirit of wanton destruction, who bombed hospitals and sunk hospital ships, who poisoned wells and drove the inhabitants of occupied countries into slavery, Poles and other crimes, too numerous to mention, are on the heads of the Prussian military group that still ebbs into the Teutonic destiny.

President Wilson will not reply to the latest overtures until he has first consulted the Entente Powers. There can be no shadow of doubt what the answer of Britain, France and Italy will be, for all these three countries are on record already about the kind of peace they are willing to make and no one of them will make peace unless all agree on the terms. Prince Maximilian's explanation to the Reichstag had this redeeming feature that he was candid enough to explain the new peace note was "for the salvation of Germany." There, in a nutshell, is the reason for the willingness to accept President Wil-

means, according to this publicist, that Germany should possess such maritime territories and such naval bases that at the outbreak of war "we should be able, with our navy ready, reasonably to guarantee ourselves the command of the sea." He further improved his definition of the freedom of the seas by saying that the inalienable possession of the Belgian seaboard is a matter of life and death to the Germans. Obviously President Wilson must have an entirely different conception of what the phrase is intended to convey. It is one of his principles for discussion at any peace conference and there is none in which British is more interested. Naval power to this Empire is her all in all. It cannot be flinched away under any pretext, and, we believe, it is the condition upon which the Empire's representatives will insist above all else, as they will have the right to do for Britain's sovereignty of the seas has made victory in this war possible, and without it Germany would have triumphed.

It is well that Sir Eric Geddes has reached Washington at this time for the moment is psychological. President Wilson has the best intentions in wanting a discussion on the freedom of the seas, but it may be there are aspects of that phrase which require elucidation in the light of the experience of the present war. For one thing we feel certain the British peoples will never consent to a reduction of their naval armament unless there is an absolute and unequivocal guarantee they will retain the power of protection that the character of this Empire demands. The history of sea power is the story of the British Empire. What note that story possible cannot be lightly thrown away. We all hope there will be a League of Nations as an outcome of this war and that it will be sufficiently strong to ward off an appeal to the sword. But whatever league there may be cannot withdraw from Britain the right she has won through the centuries. It is not in the spirit of the peoples of our land to forego what has contributed so largely to their greatness and what has never been used for purposeless aggression, but on the contrary remains now, as in the times of Napoleon, the guarantor of human liberty. No country realizes this more fully than America, a reason which leads us to believe that when President Wilson describes what he means by the freedom of the

CITY WILL ACT TO CHECK EPIDEMIC

All Churches, Theatres, Schools and Meeting Places to Be Affected by Closing Order—Saanich Already in Line.

As a precautionary measure against the spread of Spanish influenza, which has swept through Canada and the United States during the past month, Victoria will take action today to close its schools, churches, theatres, pool-rooms, dance halls, and public meeting places until such time as danger is considered past.

It was announced last night that there are already fifty to one hundred known cases of the disease in Victoria. There probably are more than that, although in milder form which may not develop into a serious stage. A death reported Sunday is believed to have had its origin in influenza.

The Health Committee of the City Council met with the Mayor yesterday afternoon and advised that Medical Health Officer Arthur G. Price recommended the closing of all places in the city where crowds were likely to gather. Later it was found that the city did not possess authority to take such action, although this will be granted this morning following a session of the Executive Council of the Provincial Government.

Schools Board Acts
The School Board held a meeting yesterday afternoon and decided to close all the schools under its jurisdiction this morning.

The Provincial Board of Health will formally submit to the Executive this morning at 10 o'clock the recommendation that all communities in British Columbia be given power to order the closing of theatres, churches, and other similar places without the present necessity of first definitely tracing contagion to the buildings in question. The order to be passed this morning by the Executive, it is understood, will make the medical health officers in each city of the province practically supreme. Some authorities contend that this condition already prevails in cases of epidemic, and that the Provincial Government action will simply remove all doubt and take from the cities any responsibility that they would otherwise incur.

It is practically certain that the closing order will take effect today



Better Half-Soles Now

Three years ago Neolin was announced as a new and better sole material for shoes.

Since that time millions of people have read of and tested Neolin. Shoes with Neolin Soles are Staple in nearly every shoe store.

Now Neolin holds a broader field and doubles its usefulness. Now every pair of worn shoes—men's, women's, children's, any style—can have Neolin Soles. We have introduced Neolin Half-Soles.

Now you can go to your repairman and have him put on all the shoes of the family Neolin Half-Soles. Nailed or sewn.

If there is no repairman near, you can go to the hardware store and buy Neolin Half-Soles and put them on at home.

In any case you can add months to the life of shoes, for Neolin Half-Soles are long-wearing and make shoe-bills less frequent.

You can add comfort, too. Neolin Half-Soles are slip-proof and flexible.

Now is the time to save money. Save with Neolin Half-Soles.

For a more complete repair job we suggest Neolin full-soles sewn.

All Neolin Soles and Half-Soles have the name "Neolin" on the bottom.

The Goodyear Tire & Rubber Co. of Canada, Limited

Neolin Half Soles



By collecting the originals, migrating formats over time (paper to microfilm to digital), and making it accessible, libraries and archives enable access to information over long periods of time



By **collecting** the originals, **migrating** formats over time (paper to microfilm to digital), and making it **accessible**, libraries and archives enable access to information over long periods of time



All of involves not only technology, but people making decisions to allocate resources, and deploying those resources over time based on best practices



All of involves not only **technology**, but **people** making decisions to allocate **resources**, and deploying those resources over time based on **best practices**

Newspapers are databases that drive dynamic, customizable websites...

or Twitter

The image shows a screenshot of the Twitter mobile application interface. On the left is a navigation sidebar with icons for Home, Explore, Notifications, Messages, Bookmarks, Lists, Profile, and More. Below the sidebar is a blue 'Tweet' button and a user profile for Corey Lee Davis. The main content area displays a tweet from Times Colonist (@timescolonist) with the text 'Officers charged in Floyd death and vaccine summit; In The News for June 4'. The tweet includes a large image of a protest with American flags and a globe. Below the image is a link to 'timescolonist.com' and the timestamp '1:33 AM · Jun 4, 2020 · dlvr.it'. On the right side, there is a search bar, a 'Relevant people' section featuring Times Colonist, and a 'What's happening' section with trending topics like '#VaccinesWork' and '#AllLivesMatter'.

Digital preservation for research data is more than a technical challenge

- Its about expertise, organization commitments, resources
- It requires active engagement with funders, government, researchers, curators, and infrastructure developers
- The technology is the easy part!



Network of Experts



Infrastructure Platforms



Training



Services



Tools

Federated RDM Architecture in Canada

- Council of Prairie & Pacific University Libraries (**COPPUL**)
- Ontario Council of University Libraries (**OCUL**)
- Bureau de coopération interuniversitaire (**BCI**)
- Council of Atlantic University Libraries / Conseil des bibliothèques universitaires de l'Atlantique (**CAUL**)



Researchers





To increase our capacity to preserve digital information, we need a framework to strengthen, coordinate and better communicate our collective efforts.

Library and Archives Canada. (2007). [Canadian Digital Information Strategy](#).



Network of Experts

An overview of the Preservation Expert Group

Strengthen, coordinate and better communicate our collective efforts

PEG membership

- Corey Davis, Chair, Uvic and CARL
- Jonathan Dorey, INRS
- Rebecca Dickson, COPPUL
- Evan Echols, UNB
- Alex Garnett, SFU
- Lee Wilson, Portage
- Grant Hurley, Scholars Portal
- Sacha Jerabek, UQAM
- Steve Marks, UofT
- Jeff Moon, Portage
- Beth Knazook, Portage
- Keltie MacPhail, UPEI



PEG's mandate

- Evaluate current RDM infrastructure for preservation in Canada
- Participating in RDM infrastructure projects as needed
- Identify potential developments and partnerships for RDM preservation infrastructure in Canada
- Propose development projects for which partners will be sought to add functionality to RDM preservation infrastructure in Canada



Our guiding principles

- Processes and tools should be community-based, transparent, and open
- Access is a primary goal of digital preservation
- Not all data can or should be preserved
- Digital preservation is an ongoing risk management exercise



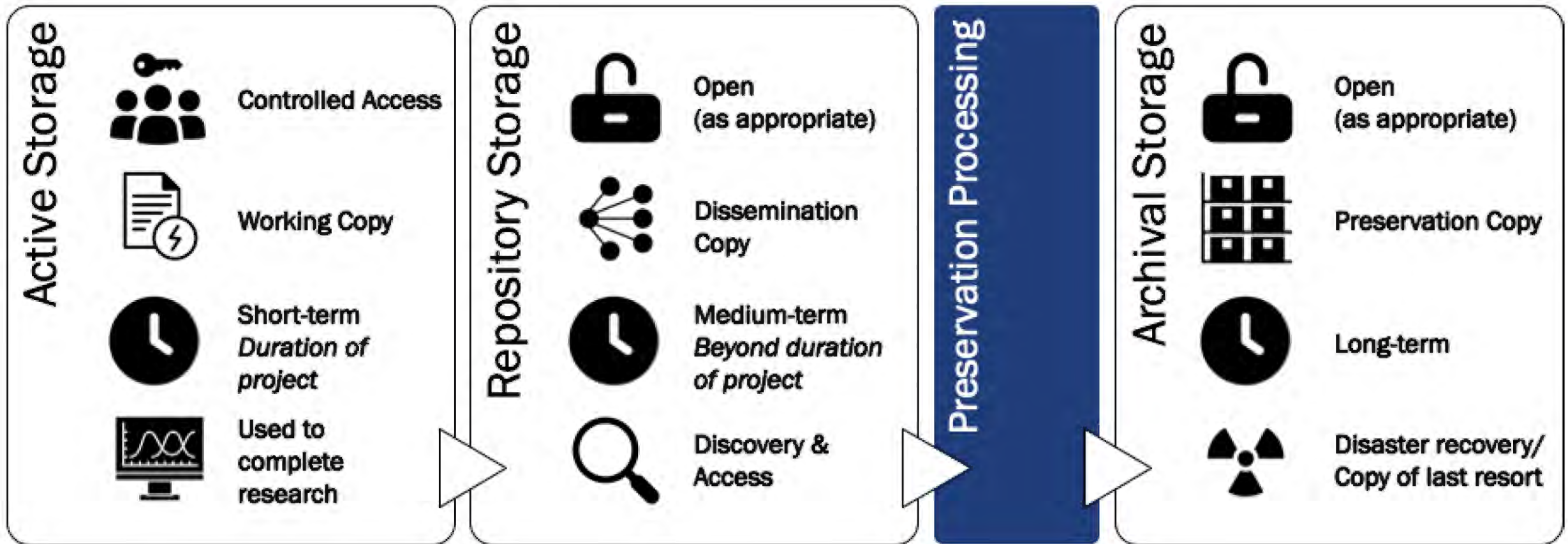
3 key recommendations moving forward...

- Qasim, U., Davis, C., Garnett, A., Marks, S., & Moosberger, M. (2018). [*Research data preservation in Canada: A white paper.*](#)
- Building a common understanding of basic digital preservation requirements for distributed digital preservation infrastructure in Canada
- Cultivating partnerships
- Articulate a clear and unified message on the development of sustainable national research data preservation infrastructure



The FRDR Preservation Pipeline Project

Making the work of the PEG a reality...



From the Noun Project:
storage by Nithinan Tatah | Share by Prasad | Time by Alice Design | working by Ranah
Pixel Studio ect | Access by Adrien Coquet ject |Unlock by Zulfa Mahendra | Research by
sandra |click by Delwar Hossain

Research Data Storage Continuum

[Terms](#)[Collaborate](#)[Metadata](#)[Metadata](#)[Metadata](#)[Access](#)[Transfer Data](#)[Verify](#)[Complete](#)

Required Metadata

All fields with an asterisk * are required

Title *

Description *

Author *

Author Affiliations *

Enter or semicolon to finish an entry and start a new one

ORCID ID

```
METS.a48e2721-2036-4037-afc9-71f06f9a240b.xml
<?xml version='1.0' encoding='UTF-8'?>
< mets: mets xmlns: mets="http://www.loc.gov/METS/" xmlns: xlink="http://www.w3.org/1999/
xlink" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xsi: schemaLocation="http://
www.loc.gov/METS/ http://www.loc.gov/standards/mets/version111/mets.xsd">
  < mets: metsHdr CREATEDATE="2020-03-12T20:44:57"/>
  < mets: dmdSec ID="dmdSec_1">
    < mets: mdWrap MDTYPE="PREMIS:OBJECT">
      < mets: xmlData>
        < premis: object xmlns: premis="http://www.loc.gov/premis/v3"
xsi: type="premis: intellectualEntity" xsi: schemaLocation="http://www.loc.gov/premis/v3
http://www.loc.gov/standards/premis/v3/premis.xsd" version="3.0">
          < premis: objectIdentifier>
            < premis: objectIdentifierType>UUID</premis: objectIdentifierType>
            < premis: objectIdentifierValue>a48e2721-2036-4037-afc9-71f06f9a240b</
premis: objectIdentifierValue>
          </premis: objectIdentifier>
          < premis: originalName>222-2020-03-12-20_43_45-a48e2721-2036-4037-
afc9-71f06f9a240b</premis: originalName>
          </premis: object>
        </mets: xmlData>
      </mets: mdWrap>
    </mets: dmdSec>
    < mets: amdSec ID="amdSec_1">
      < mets: techMD ID="techMD_1">
        < mets: mdWrap MDTYPE="PREMIS:OBJECT">
          < mets: xmlData>
            < premis: object xmlns: premis="info: lc/xmlns/ premis-v2" xsi: type="premis: file"
xsi: schemaLocation="info: lc/xmlns/ premis-v2 http://www.loc.gov/standards/ premis/v2/ premis-
v2-2.xsd" version="2.2">
              < premis: objectIdentifier>
```

```
27f56dc5-fe52-4e83-914c-20a8d7d79889.xml.rtf
<?xml version="1.0" encoding="utf-8" standalone="no"?>
< mets ID="DSpace_ITEM_doi:10.20383/101. --" OBJID="hdl:doi:10.20383/101. --" TYPE="DSpace ITEM"
PROFILE="http://www.dspace.org/schema/aip/mets_aip_1_0.xsd" xmlns="http://www.loc.gov/METS/" xmlns: xlink="http://
www.w3.org/1999/xlink" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance" xsi: schemaLocation="http://
www.loc.gov/METS/ http://www.loc.gov/standards/mets/mets.xsd">
  < metsHdr LASTMODDATE="2020-03-12T14:40:37">
    < agent ROLE="CUSTODIAN" TYPE="OTHER" OTHERTYPE="DSpace Archive">
      < name>123456789/0</name>
    </agent>
    < agent ROLE="CREATOR" TYPE="OTHER" OTHERTYPE="DSpace Software">
      < name>DSpace 4.2</name>
    </agent>
  </metsHdr>
  < dmdSec ID="dmdSec_1">
    < mdWrap MDTYPE="MODS">
      < xmlData xmlns: mods="http://www.loc.gov/mods/v3" xmlns: xlink="http://www.w3.org/1999/xlink"
xsi: schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3-1.xsd">< mods: mods
xmlns: mods="http://www.loc.gov/mods/v3" xmlns: xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi: schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3-1.xsd">
      < mods: name>
        < mods: role>
          < mods: roleTerm type="text">author</mods: roleTerm>
        </mods: role>
        < mods: namePart>Knazook, Beth</mods: namePart>
      </mods: name>
      < mods: note>A sample excel data set for testing</mods: note>
      < mods: accessCondition type="useAndReproduction">Creative Commons Attribution 4.0 International (CC BY 4.0) https://
creativecommons.org/licenses/by/4.0/</mods: accessCondition>
```

Metadata in Preservation Storage



Archival Information Package (AIP)

Context metadata

Preservation metadata

Fixity information

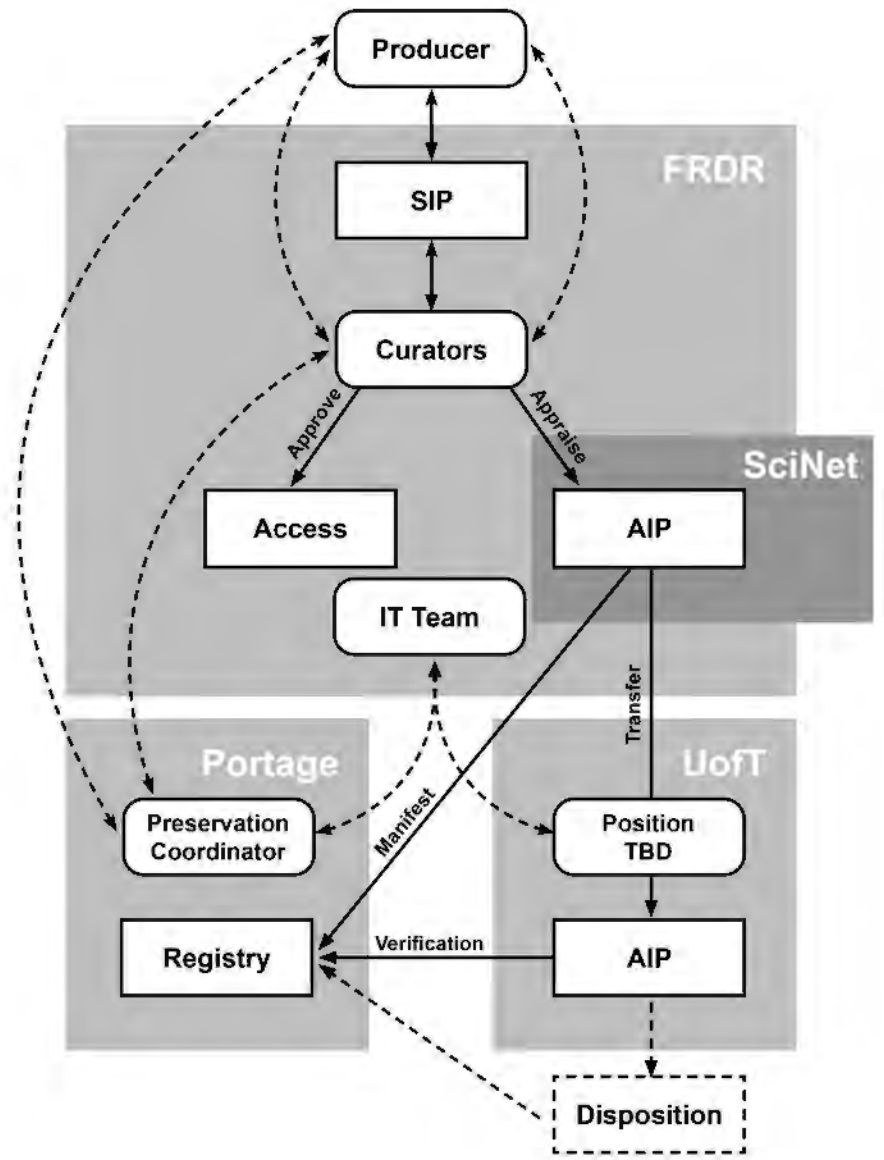
Original files

Preservation copies



FRDR Pipeline Project

**draft workflow*



Data is monitored



Data is geographically distributed



Dataverse-Archivematica integration

Thanks to the good folks at OCUL and Scholars Portal

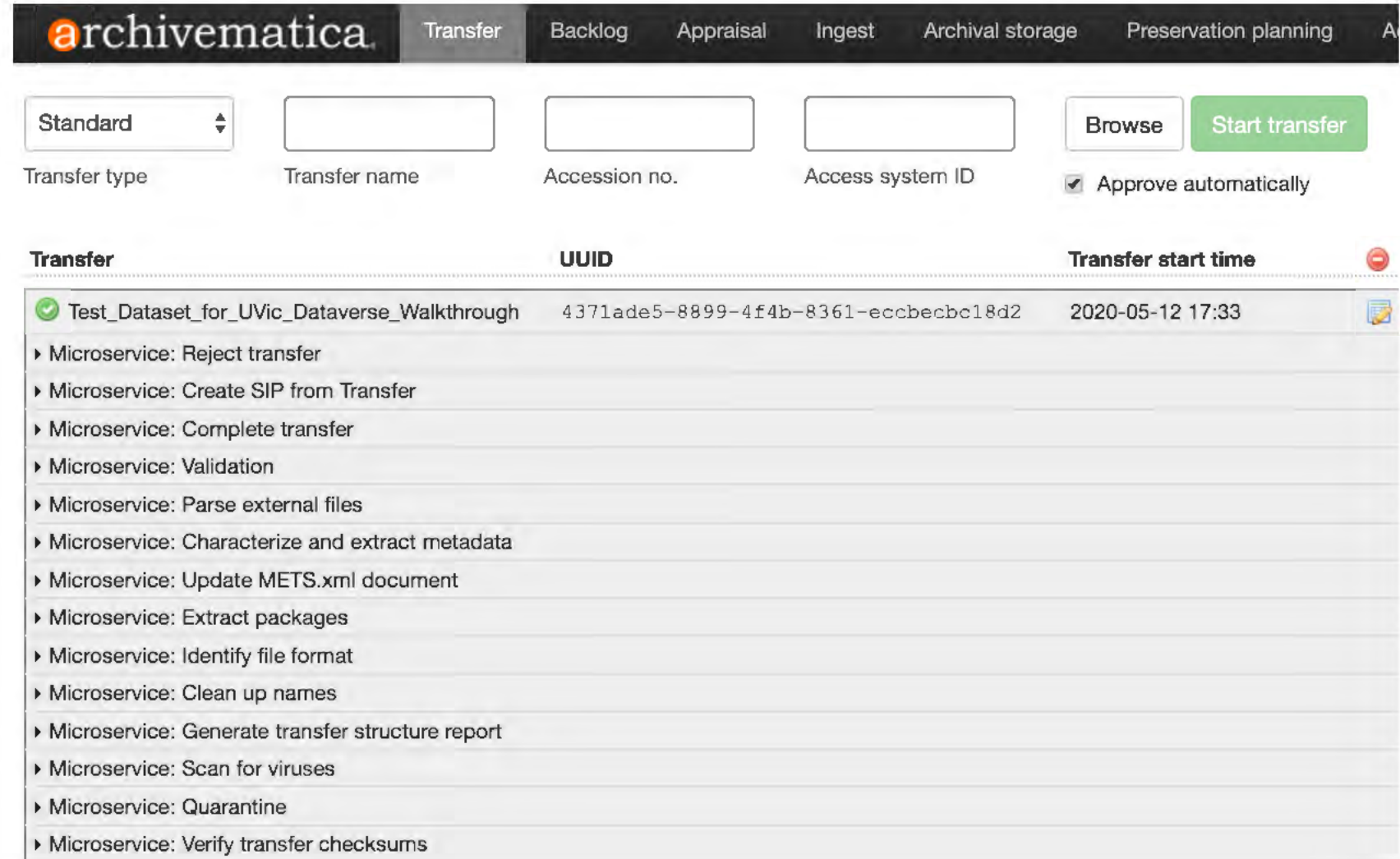
Scholars Portal Dataverse

“...publicly accessible data repository platform, open to affiliated researchers to deposit and share research data openly with anyone in the world.”

The screenshot displays the Scholars Portal Dataverse interface. At the top, the site title "Scholars Portal Dataverse" is visible alongside navigation links for Search, User Guide, Support, English, and Log In. Below the header, four partner logos are featured: University of Victoria (UVic Research Data Collection), Ocean Networks Canada, CHONE II (Canadian Health Inflowway), and Canada Health Inflowway. A search bar with the placeholder "Search this dataverse..." and buttons for "Find" and "Advanced Search" is present. The main content area shows search results for "1 to 10 of 39 Results". On the left, a sidebar provides filters for "Dataverses (4)", "Datasets (35)", and "Files (244)", along with "Dataverse Category" (Organization or Institution (4)), "Publication Year" (2019 (21), 2018 (13), 2020 (5)), and "Author Name" (Canada Health Inflowway (6), Gasbarro, Ryan (3), Gleeson, Tom (3), Tunnicliffe, Verena (3), Abraham, Carsten (2)). The first result is "Algal lipids in the Canadian arctic" (May 19, 2020 - CHONE II) by Marmillot, Vincent; Christopher, Parrish; Jean-Éric, Tremblay; Michel, Gosselin; Jenna, MacKinnon, 2020. The second result is "2018 Canadian Physician Survey" (Apr 22, 2020 - Canada Health Inflowway) by Canada Health Inflowway, 2019. A third result, "2014 National Survey of Canadian Nurses", is partially visible at the bottom.

COPPUL Archivematica-as-a-Service

“...an open-source digital preservation system designed to maintain standards-based, long-term access to collections of digital objects.”



The screenshot displays the Archivematica web interface. At the top, there is a navigation bar with the Archivematica logo and several menu items: Transfer, Backlog, Appraisal, Ingest, Archival storage, and Preservation planning. Below the navigation bar, there is a form for configuring a transfer. The form includes a dropdown menu for 'Transfer type' (set to 'Standard'), three empty input fields for 'Transfer name', 'Accession no.', and 'Access system ID', a 'Browse' button, and a green 'Start transfer' button. There is also a checkbox for 'Approve automatically' which is checked. Below the form, there is a table with columns for 'Transfer', 'UUID', and 'Transfer start time'. The table contains one entry with a green checkmark in the 'Transfer' column, indicating a successful transfer. The entry details are as follows:

Transfer	UUID	Transfer start time
✓ Test_Dataset_for_UVic_Dataverse_Walkthrough	4371ade5-8899-4f4b-8361-ecbcbcb18d2	2020-05-12 17:33

Below the table, there is a list of microservices that are part of the transfer process, each with a right-pointing arrow indicating it can be expanded or viewed in detail:

- Microservice: Reject transfer
- Microservice: Create SIP from Transfer
- Microservice: Complete transfer
- Microservice: Validation
- Microservice: Parse external files
- Microservice: Characterize and extract metadata
- Microservice: Update METS.xml document
- Microservice: Extract packages
- Microservice: Identify file format
- Microservice: Clean up names
- Microservice: Generate transfer structure report
- Microservice: Scan for viruses
- Microservice: Quarantine
- Microservice: Verify transfer checksums



Bringing it all together...

“...expands capacity to preserve research data, opening up new avenues for librarians and archivists to make valuable research outputs accessible into the future.”

<input type="text" value="Dataverse"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Transfer type	Transfer name	Accession no.	Access system ID

The University of Victoria Dataverse

- 72612 (2014 National Survey of Canadian Community Pharmacists: Use of Digital Health T
- 72603 (2014 National Survey of Canadian Nurses)
- 72614 (2014 National Survey of Caregivers)
- 72621 (2016 National Survey of Community-Based Pharmacists: Use of Digital Health T
- 72617 (2017 National Survey of Canadian Nurses: Use of Digital Health Technology in P
- 75038 (2018 Canadian Physician Survey)
- 105311 (Algal lipids in the Canadian arctic)
- 74061 (B.C. Ministry of Environment Environmental Quality Information System (EQUIS
- 71772 (Compiling and mapping global permeability of the unconsolidated and consolidat (GLHYMPS 2.0). [Supporting Data])
- 77377 (Data from: A climate-associated multi-species cryptic genetic cline in the northw
- 93020 (Data from: An hypoxia-tolerant flatfish: Consequences of sustained stress on th (Pleuronectidae) in the context of a changing ocean)
- 72090 (Data from: Composition and functional diversity of macrofaunal assemblages on fjord)
- 93083 (Data from: Food and initial size influence overwinter survival and condition of a
- 77379 (Data from: Genome-wide evidence of environmentally mediated secondary cont

Discussion

- What gaps do you have at your institutions when it comes to the long-term preservation of research data?
- What can Portage do to help address these gaps?



Thanks everyone...

- Beth Knazook beth.knazook@carl-abrc.ca
- Jonathan Dorey Jonathan.Dorey@INRS.CA
- Corey Davis coreyd@uvic.ca

