



UNIVERSITY of PRINCE EDWARD ISLAND

*people • excellence • impact*

# From Planning to Publishing

## An Open Approach to Data Stewardship

Open Repositories, June 13-16, 2016  
Donald Moses, Dawn Hooper, and Rosie La Faive  
Robertson Library

# Small but mighty

- About 4,000 FTE
- \$17 M in research expenditures
- 10 research chairs
- 220% growth in number of graduate students in the past decade.



# Current RDM model $\neq$ sustainable



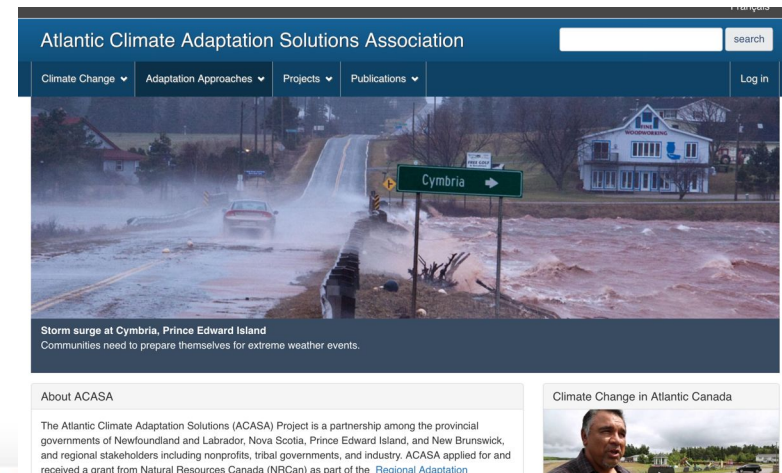
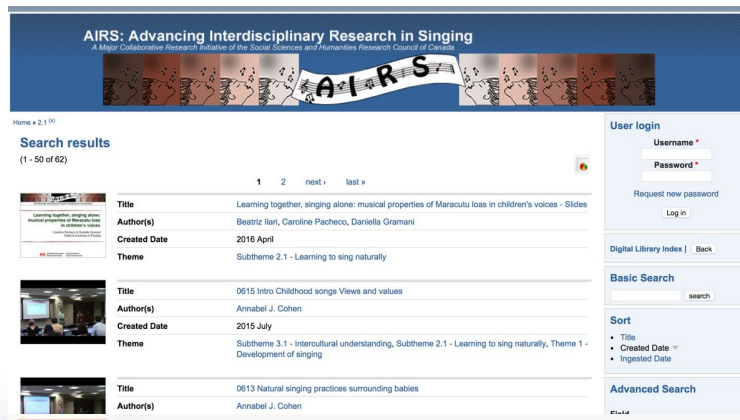
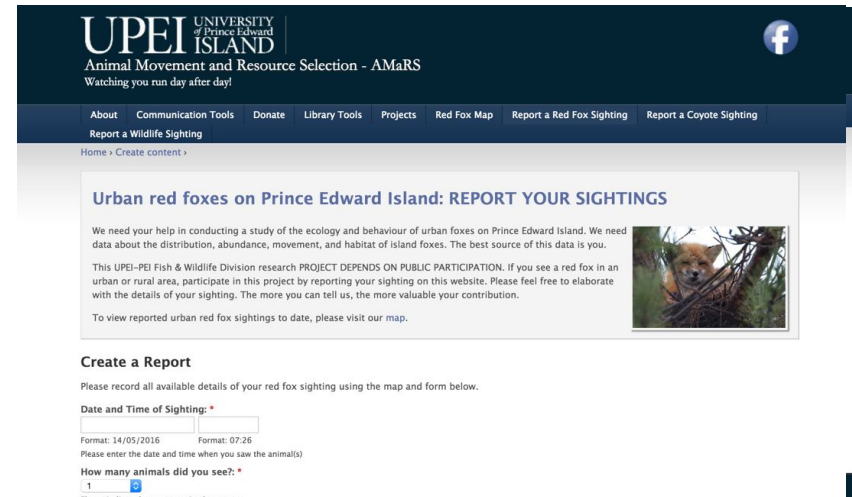
## Kerr Research Group - Marine Natural Product Lab



The Marine Natural Products Group at UPEI is engaged in a range of projects broadly directed at the discovery of new natural products from our marine microbial library. Projects range from: evaluation of microbial diversity of unique marine habitats to the development of fermentation and molecular methods to access cryptic natural product biosynthetic pathways. The lab enjoys productive collaborations with both local and foreign industry partners as well as a number of academic and government research groups.



Login



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# How to move forward?

- eScience Institute
- Improve our understanding of researchers' needs and their use cases
- Identified requirements and associated services
  - Local Storage
  - DMP
  - Publishing and preserving datasets
  - Coordinated/collaborative



# Community Developments

- Data Management Planning Tools
  - DMPOnline, DMPTool, Portage's DMP Assistant
- SFUdora - Simon Fraser
- DDI Lifecycle 3.2 metadata schema
- UPEI OA Policy
- Tri-Agency OA Policy
- Tri-Agency Statement of Principles on Digital Data Management





# Our Approach



## PUBLISH DATA

Use the Publish Data service to publish your datasets.

## Managing Research Data at UPEI

In May 2015 the [Tri-Council's new open access policy](#) came into effect. In response to this, as well as the goal of facilitating good data stewardship practices, the Robertson Library, Research Services and ITSS have developed and are beta testing a suite of new supports and services for the UPEI research community. The suite of services recognizes that the research data life cycle does not start and end with the final outputs, but rather starts when a scholar thinks about new research. The services available under this new program are designed to work with scholars throughout the research data life cycle. See the [Terms and Conditions](#) for this service.

Search Data:



## Login Information

Faculty and staff can use their UPEI login information to access and use the services on [data.upei.ca](http://data.upei.ca). If you are a graduate student, please [see these instructions before logging in](#). We're working on an [FAQ](#) for [login](#) and other questions.

Username \*

Password \*

LOG IN

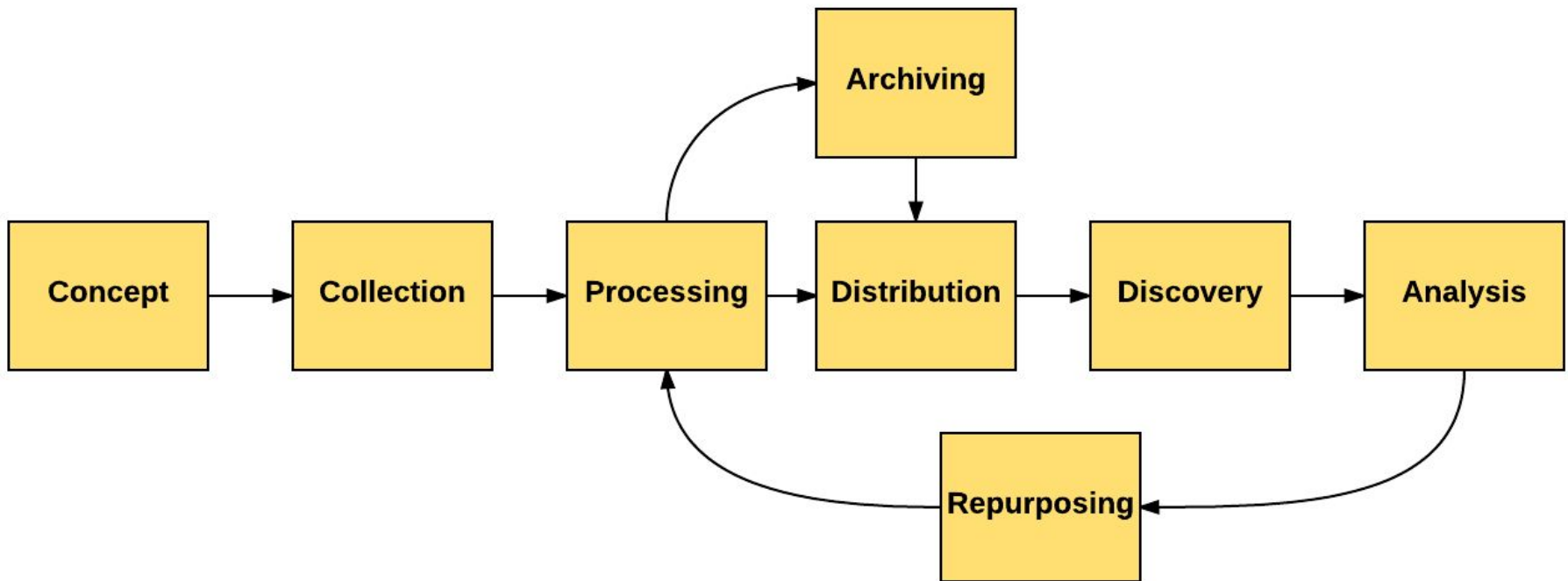
<https://data.upei.ca/>



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Research Data Lifecycle



Source: Why Use DDI?

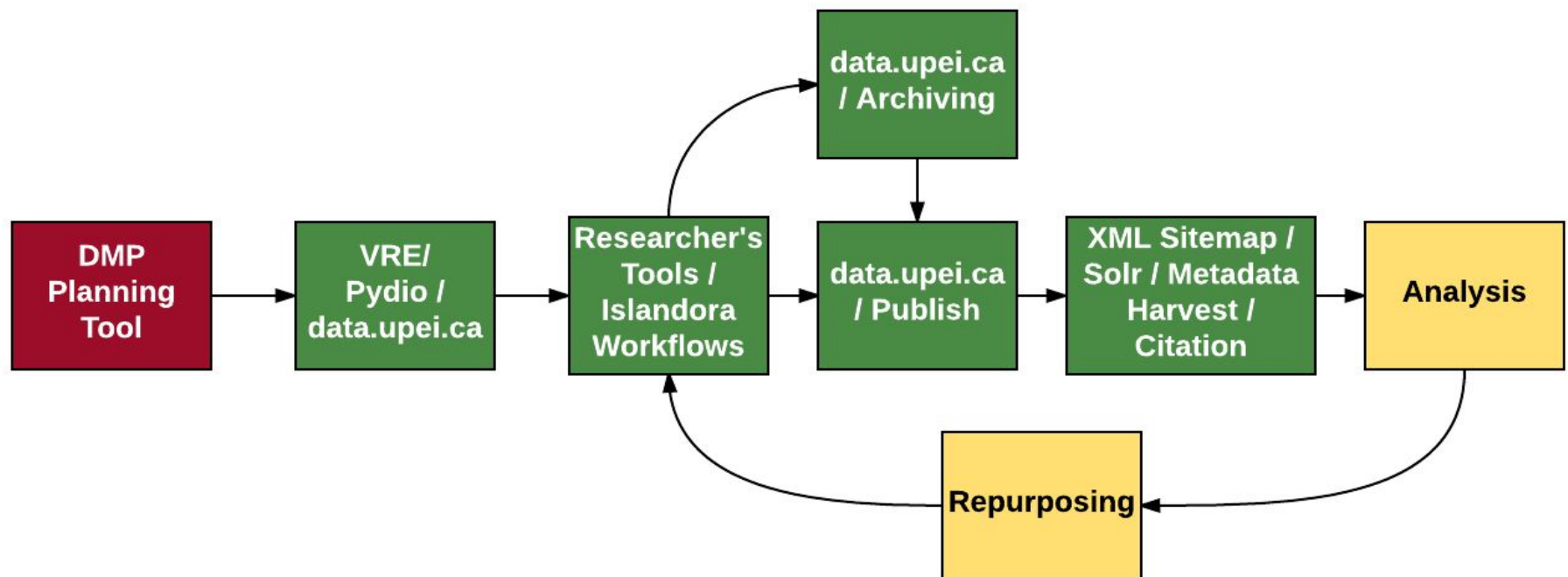
<http://www.ddialliance.org/training/why-use-ddi>



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Research Data Lifecycle





# User Dashboard

Drupal Views

## My Account

Search Data:



### Welcome

You may want to review the [Terms and Conditions](#) and [Terms of Deposit](#) for data.upei.ca

This page provides you with a dashboard to common services and a summary of the content you've created or deposited in data.upei.ca.

[GO TO MY WORKSPACE](#)

### My Data Management Plans

Project	% Done	Updated	Creator	Edit
<a href="#">SIDR Test</a>	8	04/18/2016 - 15:56	<a href="#">dmoses</a>	<a href="#">edit</a>
<a href="#">Test Research Project</a>	21	04/04/2016 - 19:46	<a href="#">dmoses</a>	<a href="#">edit</a>
<a href="#">Post Cache Clearing Test</a>	46	05/09/2016 - 14:19	<a href="#">dmoses</a>	<a href="#">edit</a>

[CREATE A NEW DATA MANAGEMENT PLAN](#)

### My Collaborations

Project	% Done	Updated	Creator	Edit
<a href="#">Test DMP-dh-jul2</a>	92	08/13/2015 - 15:45	<a href="#">dhoooper</a>	<a href="#">edit</a>

### My Deposited Datasets

Title	Owner	Date	Modified
<a href="#">Sharing a file in your Workspace</a>	<a href="#">dmoses</a>	2015-10-19	2015-10-19
<a href="#">my test pdf</a>	<a href="#">dmoses</a>	2015-05-12	2015-05-12
<a href="#">PDF Test File</a>	<a href="#">dmoses</a>	2015-05-08	2015-05-08

Islandora Solr Views



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Terms and Conditions



## Terms and Conditions

Search Data:



When you create an account and use the associated services of data.upei.ca you agree to the following terms and conditions:

1. I have read and accept UPEI's [Responsible Conduct of Research, Scholarly and Creative Work Policy](#) and the [Procedures for Stewardship of Research Records and Materials at UPEI](#).
2. I understand the requirements of data management according to my funding grant.
3. I will use data.upei.ca to only store information related to my research.
4. I will work with the Robertson Library to ensure effective stewardship of my research data stored at data.upei.ca.
5. I have read and accept the [Terms of Deposit](#) for data.upei.ca.
6. I am a faculty member, graduate student, or staff member of the University of Prince Edward Island.

### Getting Started

Research at UPEI  
Research Services  
Research Notices  
Research Contacts

### Funding & Supports

Find a Researcher  
Research Forms  
NSERC / CIHR / SSHRC  
Genome Canada / CFI

### Managing Research

Virtual Research Environments  
Data Management Planning  
ITSS / Library

### Sharing Research

Island Scholar  
UPEI Open Access Policy  
CARL Author Resources  
OASIS SourceBook

Copyright © 2016 Robertson Library

<https://data.upei.ca/legal>



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Data Management Planning

## Create Data Management Plan

### Project Information \*

Section 1: Data Collection

Section 2: Data Documentation

Section 3: Storage and Backup

Section 4: Data Archiving and Preservation

Section 5: Data Sharing and Reuse

### Project Information

#### Introduction

This Data Management Planning Form will guide you through a number of sections relating to the data you'll be collecting as part of your research project. You can start filling in the information, save it and come back to it by selecting Planning > Data Management Planning > [Your Plans](#) from the menu.

The form is divide up into sections, available on the left and include:



# DMP Form

## Create Data Management Plan

Project Information \*

Section 1: Data Collection

Section 2: Data Documentation

Section 3: Storage and Backup

Section 4: Data Archiving and Preservation

Section 5: Data Sharing and Reuse

### Section 2: Data Documentation

#### Section 2: Data Documentation

In this section are questions related to the metadata standards you may use to record your data, how you'll document your data so others can understand it, and how you'll ensure the quality of your documentation.

2.1 Do you follow a particular metadata standard when collecting, analyzing, or publishing your dataset?

The Digital Curation Centre provides an overview of [metadata standards organized by discipline](#). Contact the [Robertson Library](#) should you need assistance with this aspect of your plan.

2.2 What documentation will you provide to allow others to understand and make use of your data?

feedback



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact












# DMP - Question Management

## Data Management Plan

EDIT   MANAGE FIELDS   MANAGE DEPENDENCIES   MANAGE DISPLAY   COMMENT FIELDS   COMMENT DEPENDENCIES   COMMENT DISPLAY

 There are security updates available for one or more of your modules or themes. To ensure the security of your server, you should update immediately! See the [available updates](#) page for more information and to install your missing updates.

[Show row weights](#)

Label	Machine name	Field type	Widget	Operations	
 <b>Internal Research Grant</b>	group_dmp	<div>Vertical tabs group</div>	<b>tabs</b>		<a href="#">delete</a>
 <b>Project Information</b>	group_dmp_project	<div>Vertical tab</div>	<b>tab closed required_fields yes</b>		<a href="#">delete</a>
 Project Intro	field_dmp_project_intro	<a href="#">Markup</a>	<a href="#">Markup</a>	<a href="#">edit</a>	<a href="#">delete</a>
 Project Name	title	Node module element			
 Primary Investigator	field_project_pi	<a href="#">Text</a>	<a href="#">Text field</a>	<a href="#">edit</a>	<a href="#">delete</a>
 Email	field_project_email	<a href="#">Text</a>	<a href="#">Text field</a>	<a href="#">edit</a>	<a href="#">delete</a>
 Project Manager/Director	field_project_manager_director	<a href="#">Text</a>	<a href="#">Text field</a>	<a href="#">edit</a>	<a href="#">delete</a>
 Project Description	body	<a href="#">Long text and summary</a>	<a href="#">Text area with a summary</a>	<a href="#">edit</a>	<a href="#">delete</a>
 Grant	field_project_grant	<a href="#">Text</a>	<a href="#">Select (or other) list</a>	<a href="#">edit</a>	<a href="#">delete</a>



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact



# DMP Plans

Plans can be:

- Edited
- Shared
- Reverted to previous version
- Printed

Content Complete: current node

92% complete

Filling out [1.2 What file formats will your data be collected in?](#) will bring Data Management Plan to 96%.

Test DMP-dh-jul2

View

Edit

Revisions

Share Plan

Search Data:



Posted on: 3 July 2015 By: dhooper

## Project Information

### Project Description:

Test

Primary Investigator: Dawn Hooper

Email: [dhooper@upei.ca](mailto:dhooper@upei.ca)

Project Manager/Director: Dawn Hooper

Grant: test grant

Grant Number: #####

PRINTER-FRIENDLY VERSION

## Section 1: Data Collection

1.1 Select the types of data you plan to collect, create, acquire, and/or record.

Select all that apply.:

images

audio

text

1.3 What methods or equipment will you be using to collect your data?:

audio-visual

instruments

test

1.4 If working with human subjects, does your research data include any of the following types of information?:

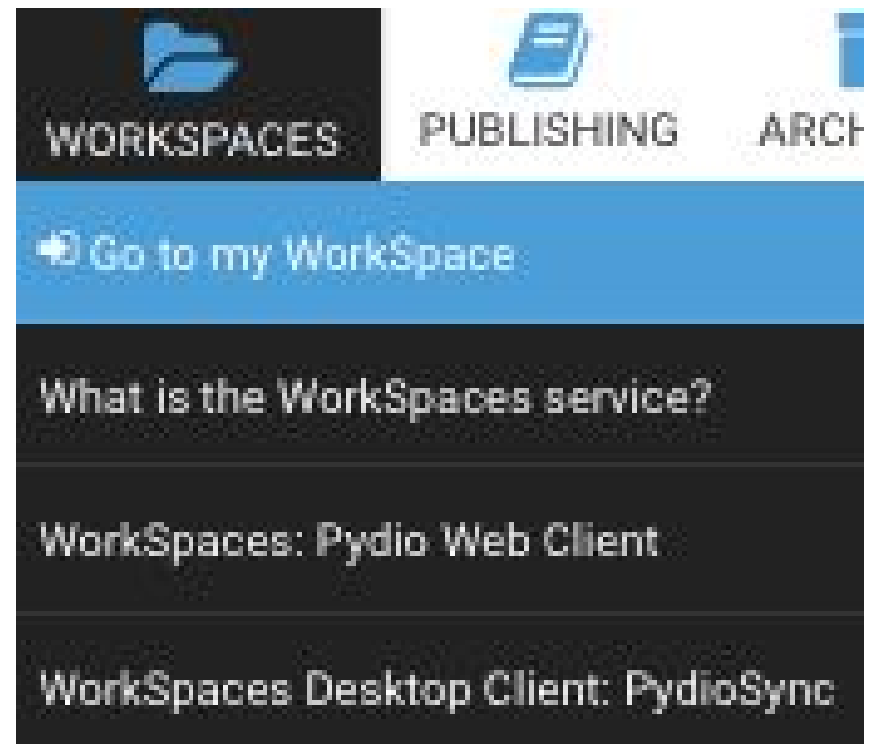
Not Applicable



UNIVERSITY of PRINCE EDW

# WorkSpaces aka Pydio

- UPEI managed and backed up data workspace
- Synchronize data on desktop
- Create additional workspaces for research group or projects
- Share files with colleagues off-campus



# WorkSpaces

The screenshot displays the 'UPEI Research Data by Pydio' interface. The top navigation bar includes the University of Prince Edward Island logo, the title 'UPEI Research Data by Pydio', and a user profile 'dhoooper'. Below this, a sidebar on the left contains navigation links: 'My Files' (selected), 'Alerts', 'My Teams', 'Bookmarks', 'My Shares', 'Folders', and a list of folders including 'Data Documents', 'TestDH', and 'Recycle Bin'. The main content area shows a file list with columns for file type, name, and modification date. The files listed are 'Data Documents' (folder, modified July 29th 2015), 'TestDH' (folder, modified August 12th 2015), 'Chem\_sign\_pydio.pdf' (PDF, modified October 19th 2015), 'Chem\_sign\_pydio.pptx' (PPTX, modified October 19th 2015), 'Test data dh.docx' (DOCX, modified August 16th 2015), and 'test data spreadsheet.xlsx' (XLSX, modified August 16th 2015). On the right side of the main area, there are three summary panels: 'SHARED WITH' (Internal users: 1, External users: 0), 'QUOTA USAGE' (1.91 Mb/10 Gb), and 'WORKSPACE ACTIVITY' (listing recent file creations by 'dhoooper' on October 19th 2015).

UPEI Research Data by Pydio dhoooper

My Files Search + Create Upload Your Publish/Archive Space

Alerts

My Teams

Bookmarks show

My Shares show

Folders

My Files

Data Documents

TestDH

Recycle Bin

Data Documents Modified on July, 29th 2015

TestDH Modified on August, 12th 2015

Chem\_sign\_pydio.pdf Modified on October, 19th 2015

Chem\_sign\_pydio.pptx Modified on October, 19th 2015

Test data dh.docx Modified on August, 16th 2015

test data spreadsheet.xlsx Modified on August, 16th 2015

SHARED WITH

Internal users: 1

External users: 0

QUOTA USAGE

1.91 Mb/10 Gb

WORKSPACE ACTIVITY

Chem\_sign\_pydio.pptx Created by dhoooper on October, 19th 2015

Chem\_sign\_pydio.pdf Created by dhoooper on October, 19th 2015





# PydioSync

desktop app for Windows, Mac, Linux

Downloads		Desktop		Pydio		+	
Favorites		Name	Date Modified	Size	Kind		
Dropbox		▼ My Files	Yesterday, 10:04 AM	--	Folder		
All My Files		▶ ACNS	May 30, 2016, 6:25 AM	--	Folder		
iCloud Drive		cleanup_and_order_mads.xml	Jun 10, 2015, 1:07 PM	7 KB	Oxyge...ument		
AirDrop		FINAL UPEI Co-...iew May 2015.pdf	Jan 11, 2016, 8:11 AM	1.6 MB	PDF Document		
Applications		ijerph-11-01803-s001.pdf	Oct 20, 2015, 6:51 PM	115 KB	PDF Document		
Desktop		islandarchives_m...tes_may2015.jpg	May 16, 2015, 9:49 AM	85 KB	JPEG image		
Documents		marinedrugs-10-01711-s001.pdf	Oct 19, 2015, 8:04 PM	2.7 MB	PDF Document		
Downloads		▶ My Teams	Apr 21, 2015, 8:08 AM	--	Folder		
Creative Clou...		OD20 Provincial...pancy Data (1).csv	Yesterday, 10:02 AM	23 KB	comm...values		
Pydio		OD30 Physician...ome Statistics.csv	Yesterday, 10:04 AM	707 bytes	comm...values		
Devices		PEI_biodiversity_...ensys_export.zip	Oct 14, 2015, 8:35 PM	262 KB	ZIP archive		
Remote Disc		rdm_demo.mp4	Apr 21, 2015, 8:09 AM	5 MB	MPEG-4 movie		
		ResearchDataManagementatUPEI.pdf	Apr 21, 2015, 8:08 AM	1.5 MB	PDF Document		
		RLUK-National-...view-CPressler.pdf	Apr 21, 2015, 8:09 AM	6.5 MB	PDF Document		
		spreadsheet for...015 draft note.xlsx	Mar 11, 2016, 6:13 PM	19 KB	Spreadsheet		



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact



# Data Deposit

- System automatically matches the type of deposit with the appropriate Solution Pack.
- Present a 'simplified' version of a DDI Lifecycle 3.2 metadata form
- Automatically create a Datacite DOI based on rules
- Integrated Virus Checking




# DDI Lifecycle 3.2 Metadata Form

**Title \***

The title of the dataset/study.  
**Note: This is a required field.**

**Author(s)/Creator(s) \***

Author or Authors (use the  button add another author).  
Please follow the convention "Lastname, Given Names."  
**Note: This is a required field.**

**Publisher \***

The publisher of the dataset.  
**Note: This is a required field.**

**Other Contributor(s)**

Use this option to include people or organizations who aren't considered authors, but still contributed to the work. Please follow the same convention.  
Select the Add button to include another contributor.

**Contributor**

**Contributor Role**

**ADD**

**Date \***

The date on which the data or other research object was created or published.  
**Note: This is a required field.**

**Copyright/License of the Dataset**

Select a copyright license. Note that this does not directly affect embargo or permissions to view your research, which can be changed later.  
While you always retain ownership of any content deposited into data.upel.ca, by selecting a license for your content you hereby grant stewardship of the content to the Robertson Library, UPEI under the site's [Terms of Deposit](#).

**Abstract**

**Subject(s)**

Start typing to view a list of potential subject terms or enter your own.

**Keywords(s)**

Start typing to view a list of potential keywords or enter your own.

**Geographic Coverage**

Enter a location that best describes the geographic place or region of the data collected.

**Data Type**

Type of data included in the file, in plain language (e.g. survey data, aggregate data, GIS data). Start typing to view a list of potential types or enter your own. The default type is Dataset.

**Grant Number**

Enter the number of the grant that supported the generation of the dataset.

**Funding Agency**

Start typing to view a list of potential funding agencies that supported the generation of your dataset or enter your own.

**Related Citations**

Use this option to add citations to articles or other publications that utilize the dataset.  
Select the Add button to add another related citation.

**Title of the related citation**

**Citation URL**

Enter the URL to the citation.

**ADD**

**Is this dataset restricted?**

**Public** - Public users can access description and download/view the dataset - a DOI is created.  
**Embargoed** - Public users can access the description, but need to contact researcher for dataset view/download - a DOI is created.  
**Archive** - Only Researcher/Admin can view/access - no DOI created.



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Search Result Display

## Search results

Search Data:



(1 - 1 of 1)



<b>Title</b>	<a href="#">Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice</a>
<b>Creator(s)</b>	McEwan, Gregor, Groner, Maya, Fast, Mark, Gettinby, George, Revie, Crawford
<b>Contributor(s)</b>	University of Prince Edward Island
<b>Publication Date</b>	2015-10-08
<b>Abstract</b>	Sea Lice are a problem for farming Atlantic Salmon. They are showing resistance to common chemotherapeutants. We show that wild salmon populations can provide refugia for the sea lice and mitigate the growth of resistance.
<b>Datacite DOI</b>	10.11571/upei-roblib-data/researchdata:216
<b>License</b>	cc-by
<b>Type of Dataset</b>	Dataset



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Full Record Display

## Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice

[View](#)[Manage](#)[Versions and Events](#)

This is a downloadable object of filetype zip and size 68.14 KB.



Download

[/WildSalmonRefugia.zip](#)

### Dataset Description

Sea Lice are a problem for farming Atlantic Salmon. They are showing resistance to common chemotherapeutants. We show that wild salmon populations... [Show more](#)



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Full Record Display

## In collections

- [gmcewan Data Collection](#)












### Details

<b>Title</b>	Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice
<b>Dataset Creator(s)</b>	McEwan, Gregor Groner, Maya Fast, Mark Gettinby, George Revie, Crawford
<b>Dataset Contributor(s)</b>	University of Prince Edward Island
<b>Publication Date</b>	2015-10-08
<b>Description</b>	Sea Lice are a problem for farming Atlantic Salmon. They are showing resistance to common chemotherapeutants. We show that wild salmon populations... <a href="#">Show more</a>
<b>Keywords</b>	Sea Lice
<b>Subjects</b>	Salmon Farming Agent-Based Modelling
<b>Copyright License</b>	cc-by
<b>Dataset Status</b>	Public
<b>DOI</b>	10.11571/upei-roblib-data/researchdata:216
<b>Related Publication</b>	Using agent-based modelling to predict the role of wild refugia in the evolution of resistance of sea lice to chemotherapeutants
<b>Publication Link</b>	<a href="http://data.researchspaces.ca/islandora/object/ir:14627">http://data.researchspaces.ca/islandora/object/ir:14627</a>





# Solr Metadata Display Fields

Display fields			<a href="#">Show row weights</a>
Remove	Solr Field	Operations	
 <input type="checkbox"/>	ddiStudyUnit_Citation_Title_String_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Citation_Creator_CreatorName_String_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Citation_Contributor_ContributorName_String_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Citation_PublicationDate_SimpleDate_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Abstract_Content_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Coverage_TopicalCoverage_Keyword_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Coverage_TopicalCoverage_Subject_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Citation_Copyright_String_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Archive_ArchiveSpecific_DefaultAccess_AccessConditions_Content_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Citation_InternationalIdentifier_IdentifierContent_ms	<a href="#">edit</a>	
 <input type="checkbox"/>	ddiStudyUnit_Archive_OtherMaterial_Citation_Title_String_ms	<a href="#">edit</a>	



# Data Lifecycle - Object Status

## Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice

[View](#)[Manage](#)[Versions and Events](#)

### Object Status

Created Date	Last Modified Date	Datacite DOI	Status
2015-10-08T18:08:26.599Z	2016-05-28T14:52:22.513Z	10.11571/upei-roblib-data/researchdata:216	Public



# Data Lifecycle - Events

## Lifecycle Events

Lifecycle Event Date	Lifecycle Event ID	Lifecycle Event Type	Lifecycle Event Description
2016-05-16	researchdata_216-5739b9564b79d	MetadataEditing	Updating the metadata
2016-05-16	researchdata_216-5739b957e7f9f	Other	The security policy has been modified.
2016-05-16	researchdata_216-5739b957e80e5	MetadataEditing	The AccessCondition (status) has been changed from Public to Archive
2016-05-16	researchdata_216-5739b978df3b1	MetadataEditing	Updating the metadata
2016-05-16	researchdata_216-5739b97d2f1d0	Other	minted a DOI and updated the DDI with the DOI
2016-05-16	researchdata_216-5739b97d4e392	Other	The security policy has been modified.
2016-05-16	researchdata_216-5739b97d4e520	MetadataEditing	The AccessCondition (status) has been changed from Archive to Public
2016-05-28	researchdata_216-5749b0a4982fa	MetadataEditing	Updating the metadata



# Data Lifecycle - Versioning

## Dataset Versions

Created Date	Size	Label	Responsibility	Mime type	Operations	
<a href="#">Thursday, 08-Oct-15 18:08:26 Z</a>	68.14 KiB	/WildSalmonRefugia.zip	<a href="#">gmcewan</a>	application/zip		

## Metadata Versions

Created Date	Size	Label	Responsibility	Mime type	Operations	
<a href="#">Saturday, 28-May-16 14:52:20 Z</a>	8.12 KiB	DDI Record	<a href="#">admin</a>	application/xml	<a href="#">delete</a>	<a href="#">revert</a>
<a href="#">Monday, 16-May-16 12:13:49 Z</a>	6.92 KiB	DDI Record	<a href="#">admin</a>	application/xml	<a href="#">delete</a>	<a href="#">revert</a>
<a href="#">Monday, 16-May-16 12:13:11 Z</a>	5.09 KiB	DDI Record	<a href="#">admin</a>	application/xml	<a href="#">delete</a>	<a href="#">revert</a>
<a href="#">Thursday, 08-Oct-15 18:08:26 Z</a>	3.47 KiB	DDI Record	<a href="#">gmcewan</a>	application/xml	<a href="#">delete</a>	<a href="#">revert</a>



# Datacite DOI

```
<r:InternationalIdentifier>
```

```
<r:IdentifierContent>
```

```
10.11571/upei-roblib-data/researchdata:216
```

```
</r:IdentifierContent>
```

```
<r:ManagingAgency>Datacite</r:ManagingAgency>
```

```
</r:InternationalIdentifier>
```



# Metadata Search

DataCite

beta

[Options](#) | [Advanced Search](#) | [About Us](#) | [Contact](#) | [Help](#)

**Filter**  
allocator  
datacentre  
prefix  
resourceType  
publicationYear  
publisher  
language

No active filters. Use the sidebar to filter search results.

1 documents found in 10ms  
Page 1 of 1

**Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice** # 1  
doi:10.11571/UPEI-ROBLIB-DATA/RESEARCHDATA:216 Dataset : Dataset  
McEwan, Gregor • Groner, Maya • Fast, Mark • Gettinby, George • Revie, Crawford  
contributor: HostingInstitution, University of Prince Edward Island

Page 1 of 1

DataCite Metadata Search • Query Time: 10ms • API Query : xml, json, csv • OAI-PMH

<https://www.datacite.org/resources>

[http://www.nrc-cnrc.gc.ca/eng/publications/library\\_services/datacite](http://www.nrc-cnrc.gc.ca/eng/publications/library_services/datacite)

[https://github.com/roblib/islandora\\_datacite\\_doi](https://github.com/roblib/islandora_datacite_doi)



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact



# Integration with Scholar

## IslandScholar - MODS

```
<relatedItem displayLabel="dataset"
type="constituent">
  <titleInfo>
    <title>
      Wild Salmon Refugia for
      Mitigating Resistance to
      Chemotherapeutants in Sea Lice
    </title>
  </titleInfo>
  <location>
    <url note="dataset">
      http://dx.doi.org/10.11571/upei-robilib-data/researchdata:216
    </url>
  </location>
</relatedItem>
```

## data.upei.ca - DDI

```
<r:OtherMaterial>
  <r:Citation>
    <r:Title>
      <r:String>
        Using agent-based modelling to
        predict the role of wild
        refugia in the evolution of
        resistance of sea lice to
        chemotherapeutants
      </r:String>
    </r:Title>
  </r:Citation>
  <r:ExternalURLReference>
    http://data.researchspaces.ca/islandora/object/ir:14627
  </r:ExternalURLReference>
</r:OtherMaterial>
```



# Integration with Scholar

## IslandScholar

## data.upei.ca

environments, many strategies employed to manage the evolution of resistance involve the use of refugia, where a portion of the population [Show more](#)

<b>Related Dataset</b>	Wild Salmon Refugia for Mitigating Resistance to Chemotherapeutants in Sea Lice
------------------------	---

<b>Dataset Link</b>	<a href="http://dx.doi.org/10.11571/upei-roblib-data/researchdata:216">http://dx.doi.org/10.11571/upei-roblib-data/researchdata:216</a>
---------------------	---

<b>Check at UPEI</b>	<a href="mailto:Check@UPEI">Check@UPEI</a>
----------------------	--

<b>Statistics</b>	views: 4
-------------------	----------

<b>Subjects</b>	Salmon Farming Agent-Based Modelling
-----------------	---

<b>Copyright License</b>	cc-by
--------------------------	-------

<b>Dataset Status</b>	Public
-----------------------	--------

<b>DOI</b>	10.11571/upei-roblib-data/researchdata:216
------------	--

<b>Related Publication</b>	Using agent-based modelling to predict the role of wild refugia in the evolution of resistance of sea lice to chemotherapeutants
----------------------------	--

<b>Publication Link</b>	<a href="http://data.researchspaces.ca/islandora/object/ir:14627">http://data.researchspaces.ca/islandora/object/ir:14627</a>
-------------------------	---

<http://data.researchspaces.ca/islandora/object/ir:14627>

<https://data.upei.ca/islandora/object/researchdata:216>



UNIVERSITY of PRINCE EDWARD ISLAND

people • excellence • impact

# Other

## Data Storage

For researchers there are a number of options related to data storage:

- [UPEI Google Drive](#)
  - Generally research data should not be stored in a Google Drive or similar commercial service such as DropBox, given the potential issues with privacy and secure data storage.
- [UPEI hosted WorkSpaces \(Pydio\)](#)
  - This is the preferred approach to storing research data at UPEI.
- [UPEI hosted Published and Archived Data \(\[data.upei.ca\]\(https://data.upei.ca\)\)](#)
  - Built on the Islandora digital repository framework, the [data.upei.ca](https://data.upei.ca) service provides researchers with a place to securely publish and archive their research datasets.
- [ITSS](#)
  - Some research projects have special requirements (such as their own specialized servers) and ITSS's [Special Data Storage Requirements](#) or [Server Hosting](#) form should be filled out to determine if a special approach is needed.

Data Storage

Server Hosting

Virtual Research Environments

Software for Research

Training

# Future Plans

- Promote service/provide workshops
- Closer integration with IslandScholar
- Collaboration with Research Ethics Board
- Create DMP Drupal module for distribution
- Investigate other import options
- Investigate alternate storage options



# Our Team Members

- Paul Pound
- Peter Lux
- Rob Drew
- Mark Leggott
- Rosie Le Faive
- Leslie Cudmore (Research Services)



# Thanks! Questions?

## Code

- [https://github.com/roplib/islandora\\_pydio\\_bridge](https://github.com/roplib/islandora_pydio_bridge)
- [https://github.com/roplib/action.islandora\\_pydio\\_bridge](https://github.com/roplib/action.islandora_pydio_bridge)
- [https://github.com/roplib/islandora\\_datacite\\_doi](https://github.com/roplib/islandora_datacite_doi)
- [https://github.com/roplib/upei\\_roplib\\_legal\\_redirect](https://github.com/roplib/upei_roplib_legal_redirect)

[dmoses@upei.ca](mailto:dmoses@upei.ca) | [dhooper@upei.ca](mailto:dhooper@upei.ca) | [rlafaive@upei.ca](mailto:rlafaive@upei.ca)

