

Taking the self out of self-deposit at Duke University Libraries

Samvera Virtual Connect
July 11, 2018

Will Sexton
Head, Software
Services

Maira Downey
Digital Repository
Content Analyst

Some
background ...

Limit your search

Collection Group

Duke Research Data

43

Collection

16s rRNA microarray analysis of murine blood and brain tissue

2000-2004 Presidential Donor Survey

A View of Venice

CTD data collected by Slocum glider operated between June and November 2015 in the Iceland Basin as part of OSNAP (Overturning in the Subpolar North Atlantic Program)

Cryo-sectioned mice for investigating HS-131 uptake

more »

Year

You searched for:

Browse > Collection

Collection Group > Duke Research Data

Previous | 1 - 20 of 43 | Next »

Sort by relevance

20 per page

1. A View of Venice



Creator: Barbari, Jacopo de'; Kolb, Anton

Date: circa 1497 to 1500

2. 2000-2004 Presidential Donor Survey



Creator: Aldrich, John; Munger, Michael C.; Cooper, Alexandra; Rozell, Mark; Wilcox, C; Green, John

Date: October 1, 2013

3. The Integrated Precipitation and Hydrology Experiment - Hydrologic Applications for the Southeast US (IPHEX-H4SE) Part II: Atmospheric Forcing and Topographic Corrections

Since Jan '17, DUL has supported research data in Duke Digital Repository - current Fedora 3/Hydra stack

To date, 43 research data sets submitted by Duke researchers and curated by DUL staff

“RDR” - Research Data Repository

- Hyrax
- Began sprinting in Nov ‘17
- Prototype - early June
- Production - August 28
- RDR + exploring Hyrax for future of DDR

First Rule of RDR

**All deposits are mediated by the
curation team**

(Hyrax self-deposit doesn't really work for a mediated submission model...

... so RDR dev integrates a submission workflow using the Box API)

Some screenshots

(with some teeny, tiny text)

Our reworked
home page

This repository provides access to data created in support of research at Duke. It is a service of Duke University Libraries.

Get Started Sharing Your Data

Prompt to begin sharing data lives on the homepage; all other upload options have been turned off for non-curators

Recently Added Datasets



Lyu, F., Cummer, S. A., Krehbiel, P. R., Rison, W., Briggs, M. S., Cramer, E., Roberts, O., Stanbro, M. (2018). Data from: Very high frequency radio emissions associated with the production of terrestrial gamma-ray flashes. Duke Digital Repository. <https://doi.org/10.7924/r4r49kc2m>



Lyu, F., Cummer, S. A., Krehbiel, P. R., Rison, W., Briggs, M. S., Cramer, E., Roberts, O., Stanbro, M. (2018). Data from: Very high frequency radio emissions associated with the production of terrestrial gamma-ray flashes. Duke Digital Repository. <https://doi.org/10.7924/fk42r5207b>



Shaver, E. C., Burkepille, D. E., Silliman, B. R. (2017). Data from: Local management actions can increase coral resilience to thermally-induced bleaching. Duke Digital Repository. <https://doi.org/10.7924/G8348HFP>



Berthier, L., Charbonneau, P., Flenner, E., Zamponi, F. (2017). Data and scripts from: The origin of ultrastability in vapor-deposited glasses. Duke Digital Repository. <https://doi.org/10.7924/G8P76W5G>

Data from: Local management actions can increase coral resilience to thermally-induced bleaching

These buttons do not appear for non-curators

EditDeleteFile ManagerAttach Child ▼Add to collectionRequest ModificationsExport FilesAssign & Register DOI

Mass bleaching events have devastated coral reefs globally. While management organizations assume reducing local stressors like overfishing will increase coral resilience to climate-induced warming, recent large-scale studies suggest local conservation actions do not protect corals. We conducted a global survey of managers and found that removing coral-eating organisms (i.e., corallivores) is a common but untested strategy intended to increase coral resilience. Removal of a common corallivorous snail before a widespread coral bleaching in Florida in 2014 showed that this strategy increases both coral resistance to and recovery from heat-induced bleaching (i.e., resilience). At natural-high and average snail densities, corals experienced 89% and 71% bleaching levels, respectively, with tissue mortality of 36% and 17%, respectively. Almost 20% of corals with snails died from heat-induced bleaching, while no corals died from bleaching if snails had been removed. Removing snails reduced bleaching to 57% and tissue mortality to 7%. This study is the first to track corals through the entirety of a high stress event and demonstrate that reducing local biological stressors can increase coral resilience to a changing climate.



Export files will appear for all logged in users, initiates bulk download; Request Modifications appears when the work has been proxy-deposited for the logged in user, initiates form to request changes

Creator
[Burkepile, Deron E.](#)
[Shaver, Elizabeth C.](#)
[Silliman, Brian R.](#)

ARK
[ark:/99999/fk4c54t439](#)

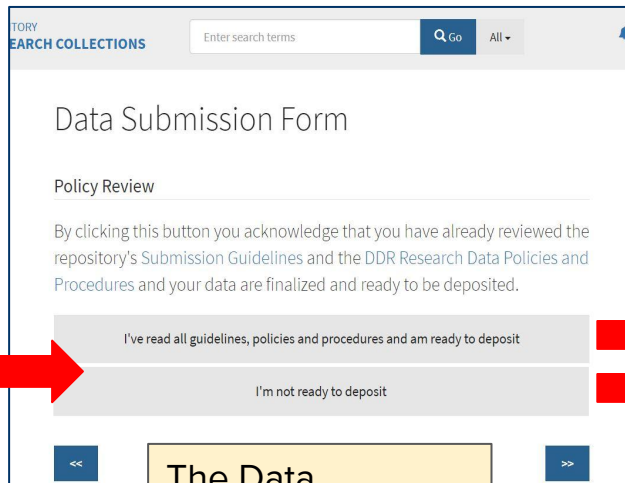
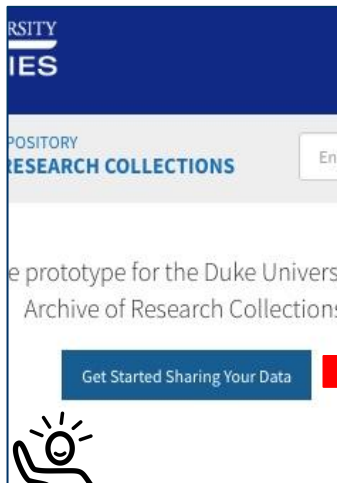
Publisher
[Duke Digital Repository](#)

Citation
Shaver, E. C., Burkepile, D. E., Silliman, B. R. (2017). Data from: Local management actions can increase coral resilience to thermally-induced bleaching. Duke Digital

Collection Dates
[2014-06-01](#)

Type

Clicking on the Get Started button leads the researcher through some triage questions to the metadata form; a Box folder is created to accommodate their files



The Data Submission workflow requires Shibboleth authentication

A screenshot of the 'Data Submission Form' showing the 'Submission Information' section. It includes a search bar at the top, the title 'Data Submission Form', and a section titled 'Submission Information'. The text states: 'Complete the fields below — note that those marked with an ★ are required.' Below this text are three text input fields, each preceded by a red star icon indicating a required field. The first field is labeled 'Please enter the full title for the study/dataset'. The second field is labeled 'Please enter the creators/authors (principal investigator, co-investigator(s)) of this study/dataset as follows: Lastname, Firstname (MI optional); Lastname, Firstname (MI optional); etc.'. The third field is labeled 'Please enter additional contributors (non-authors) to this study/dataset as follows: Lastname, Firstname (MI optional); Lastname, Firstname (MI optional); etc. Please note contributors will not appear as creators/authors in the citation created for this deposit.' A red arrow points from the 'Policy Review' section in the previous screenshot to this 'Submission Information' section.A screenshot of the 'Data Submission Form' showing a message about data not meeting criteria for deposit. It includes a search bar at the top, the title 'Data Submission Form', and a message stating: 'Due to your answer on the previous question, your data might not yet meet the criteria for deposit. We would like to talk with you about your data, so one of our curators will follow up shortly to assist you. In the meantime, please review our submission guidelines and contact us if you have any questions at datamanagement@duke.edu.' A red arrow points from the 'Submission Information' section in the previous screenshot to this message.

After completing the form, the submitter receives an email with a record of the submitted metadata and a link to a Box account shared with the DUL curators


Data Submission Form

What to Expect After You Complete the Data Deposit Form

1. You will receive a Box invitation to upload your data into a Box folder under your name. You will be able to view and upload but not re-download your files. If you make an error, just upload a replacement file. Once you have completed this upload, the data repository team will be notified.
2. Research data curators will review your deposit to help ensure the data meet the submission requirements and are in a format and structure that supports long-term preservation, access, and reuse. This includes a review of the metadata and documentation for completeness and a cursory review for the presence of sensitive data.
3. If any changes are needed, you will be contacted. Some changes may be required to be made by the depositor (data content-related) other minor changes may be made by DDR staff (metadata normalization, transforming files to preservation-friendly formats).
4. When the files are ready for final ingest, the files will be processed and ingested into the repository. Once the processing is complete, the depositor will be notified and provided with a link to their dataset record and persistent identifier.

Our aim is to process all deposits in a timely fashion, but as we are in the early phases of research data curation services, processing time may vary depending on size and type of data. In the meantime, contact us if you have any questions at datamanagement@duke.edu.

Reply Reply All Forward
Mon 7/9/2018 1:53 PM

 **jim.coble@duke.edu**
Depositing Data in the Duke Digital Repository

To: Moira Downey; Jim Coble
We removed extra line breaks from this message.

Depositing Data in the Duke Digital Repository

Submitter: Moira Downey
Net ID: md301

Submission Folder Name: md301_201807091353 Submission Folder URL:
https://urldefense.proofpoint.com/v2/url?u=https-3A_duke.app.box.com_folder_51066164803&d=DwlCaQ&c=imBPVzF25OnBgGmVOLcsiEgHoG1i6YHLR0Sj_g4ad&r=AZdPVgV7p-H1rZt0pFV5DX3avDENuAWOJOgqe-7eSAw&m=-lbml_MzLgG2t03f_xRNE4caY44AnGtAkpFK4fO9XjA&s=RLUa54gj6siUbxDBCxgVLGTyIMVqiZEZtz70PRXgTWk&e=

Submission instructions NOT SET

Submission Guidelines Read: ready
 Sensitive Data: no
 Right to Assign License: yes
 Grant Funded: yes
 Deposit Agreement: I agree
 Title: title
 Creators/Authors: creator, fname

Search Files and Folders

All Files > RDR Submissions > dev > ☆ md301_201807091133 ▾

Name	Updated ▾	Size	Sharing
Data	Today by Moira Downey	9 Files	
manifest.csv	Today by Duke University Librari...	113 B	
deposit_agreement.txt			

md301_201807091133 > deposit_agreement.txt ▾

What you agree to:

By depositing this Content ('Content') in the Duke University Research Data Repository (DDR) and making it publicly available, you agree that the Content does not infringe the copyright, trademark, or other intellectual property rights of any laws or another's rights of privacy or publicity. You agree to provide your data under one of the following licenses. The Content contains no restricted, private, confidential, or otherwise sensitive information. The Content is in a final state and is not subject to change. Nothing in the Content contains any software virus, malware, or other damaging, limiting or interfering with the proper operation of the system.

What we agree to:

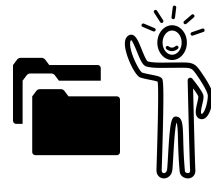
You understand that the DDR will do its best to preserve the Content as selected by you, provide access, reproduce, distribute, and make the Content publicly available. DDR may also migrate the Content to other systems. While DDR will do its best to provide perpetual access to the Content or consistently preserved or accessible. In addition, the Content may be removed or modified in accordance with the terms of the removal of such Content.

Moira Downey
md301
2018-07-09 11:33

Paste Copy Format B I U A

A1	A	B	C	D	E	F	G	H
1	title	creator	contributor	affiliation	contact	description	keyword	based_near
2	title	creator, fnam	contributor, department	lname, fnam	this is a desc	keywords	country, stat	2
3								
4								










The Box folder is automatically populated with the text of the deposit agreement "signed" by the submitter and a csv metadata "manifest" used by the batch importer



Submitters upload their files to Box

- 📁 All Files
 - 🕒 Recents
 - 📁 Synced
 - 🗑️ Trash
 - 🔔 Notifications
 - 📝 Notes
 - ★ Favorites
- Drag items here for quick access

All Files > RDR Submissions > ☆ dev ▾

Name	Updated ▾	Size
 md301_201807091353	Yesterday by Duke U...	2 Files
 md301_201807091352	Yesterday by Duke U...	2 Files
 md301_201807091133	Yesterday by Moira ...	12 Files
 cl334_201807091006	Yesterday by Duke U...	2 Files
 coblej_201807031534	Jul 3, 2018 by Duke ...	1 File
 coblej_201807031533	Jul 3, 2018 by Duke ...	1 File
 coblej_201807031527	Jul 3, 2018 by Duke ...	1 File
 coblej_201807021058	Jul 2, 2018 by Duke ...	1 File
 coblej_201807021048	Jul 2, 2018 by Duke ...	1 File

Curators can then download the dataset to a local machine and perform whatever curatorial actions are needed; communication with the submitter is carried out through email

[Home](#) / [Dashboard](#) / [Works](#) / [The Integrated...](#)

The Integrated Precipitation and Hydrology Experiment - Hydrologic Applications for the Southeast US (IPHEX-H4SE) Part II: Atmospheric Forcing and Topographic Corrections

Edit

Delete

Attach Child ▾

Add to collection

Request Modifications

Export Files

Assign & Register DOI

In order to prepare atmospheric forcing data sets to drive the hydrologic models at high spatial resolution, it is necessary to apply appropriate downscale methods and bias correction schemes to the coarse reanalysis products. In this manuscript, first we describe the methodology to derive a high-resolution (1×1 km², hourly) atmospheric forcing data set from 3-hr NARR (North American Regional Reanalysis) products originally at 32×32km resolution, and second we illustrate the value and utility of the downscaled products to drive hydrologic models offline through analysis of a long-term (5-year) continuous simulation of water and energy budgets in the Southern Appalachians against flux tower observations. The IPHEX-H4SE atmospheric ... [\[Read More\]](#)

Citation

Tao, J., Barros, A. P. (2014). The Integrated Precipitation and Hydrology Experiment – Hydrologic Applications for the Southeast US (IPHEX-H4SE). Part II: Atmospheric Forcing and Topographic Corrections. Duke Digital Repository. <http://hdl.handle.net/10161/8958>

Creator

Tao, Jing

Type

Dataset

Publication Date

Rights

Relations

In Administrative Set:

Default Admin Set

Rationale for batch ingest: 5 years of daily instrument readings grouped together by month and year. We don't want to create a work for each month and bulk upload the files. We also want all of them to be nested under this dataset

Works

Back in the application, curators see the Batch Import button

Batch Import

Create batch of works

Add new work

All Works

Your Works

40 works you own in the repository

Filter works:

Visibility ▾

Status ▾



Type ▾

Admin Set ▾

Show **10** per page

Enter search terms

 Go

<input type="checkbox"/>	Title	Date Added	Highlighted	Visibility	Actions
<input type="checkbox"/>	 Documentation	2018-06-20		Public	Select ▾
<input type="checkbox"/>	 Data	2018-06-20		Public	Select ▾

RESEARCH DATA REPOSITORY

Enter search terms

Go

All



Will Sexton

Batch Import

Manifest File /nas/lib_staging/



Files Directory /nas/lib_staging/

Checksum File /nas/lib_staging/

Submit

Batch Import is based on a csv manifest file

Based on Hyku CSV importer; each row creates a work

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	ark	parent_ark	title	description	creator	available	language	format	publisher	license	subject	resource_type	visibility	file	file
2	ark:/99999/fk4tt5tw6k		Data and scri	We study the	Hu, Yi	3/14/18	English	DAT	Duke Digital	http://creati	Microphase	Dataset	open		
3		ark:/99999/f	Helpfunction	Personalized	Hu, Yi	3/14/18	English		Duke Digital	http://creativecommons.c	Dataset	open		helpfunction	helpfuncti
4		ark:/99999/f	Comparison	Data and ger	Hu, Yi	3/14/18	English	DAT	Duke Digital	http://creativecommons.c	Dataset	open		comparison/	compariso
5		ark:/99999/f	CDF (Cluster	Data and ger	Hu, Yi	3/14/18	English	DAT	Duke Digital	http://creativecommons.c	Dataset	open		cdf/cdf_1.0	cdf/cdf_1.
6		ark:/99999/f	Dynamics (R)	Data and ger	Hu, Yi	3/14/18	English		Duke Digital	http://creativecommons.c	Dataset	open		dynamics/dr	dynamics/
7		ark:/99999/f	Documentati	Collection Re	Hu, Yi	3/14/18	English		Duke Digital	http://creativecommons.c	Text	open		documentation/readme	
8		ark:/99999/f	EOS (Equatio	Data and ger	Hu, Yi	3/14/18	English	DAT	Duke Digital	http://creativecommons.c	Dataset	open		eos/draw_ec	eos/h_1.0

[Home](#) / [Dashboard](#) / [Works](#) / Data from: Very High...

Data from: Very High Frequency Radio Emissions Associated with the Production of Terrestrial Gamma-ray Flashes

ARK is created during batch ingest for parent and child works; script mints them in reserved status

Curators use this button to assign DOI (formed from ARK) for the top-level work

Manager

Attach Child ▾

Add to collection

Export Files

Assign & Register DOI

set Data from: Very High Frequency Radio Emissions Associated with the Production of

ARK

ark:/99999/fk4t44xd23

Replaces

10.7924/fk42r5207b

Citation

Lyu, F., Cummer, S. A., Krehbiel, P. R., Rison, W., Briggs, M. S., Cramer, E., Roberts, O., Stanbro, M. (2018). Data from: Very high frequency radio emissions associated with the production of terrestrial gamma-ray flashes. Duke Digital Repository. <https://doi.org/10.7924/r4r49kc2m>

A DOI is derived from the ARK

DOI

10.7924/fk4t44xd23

No preview available

[Download the file](#)



Relationships

In Administrative Set:

[Default Admin Set](#)

Public

Deposited

Some issues:

- what to do about large datasets?
- leveraging browse-everything to pull files directly into the application?
- still a lot of back and forth with the researcher (kind of baked into our process)—what can still be automated?

Questions?

will.sexton@duke.edu
moira.downey@duke.edu