



TECHNICAL MEMORANDUM

REMAINING DATA MANAGEMENT TASKS FOR LA-COE RFP1 RESEARCH SUBRECIPIENTS

January 31, 2022

To: Research Subrecipients of LA-COE RFP1 cycle
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Ed Haywood, Dave Lindquist, and Summer Langlois
Coastal Protection and Restoration Authority

Date: January 31, 2022
Re: RESTORE Act Center of Excellence for Louisiana – RFP1 Remaining Data
Management Tasks

Introduction

DATA REQUIREMENTS FOR RESEARCH SUBRECIPIENTS OF LA-COE FUNDS

According to the LA-COE Standard Operating Procedure Version 1 (SOP V1, Darnell et al., 2016) and Request for Proposal cycle 1 (RFP1), “**All data, collected data products, and metadata must be made publicly available within two years after submission of the final report.**” Therefore, to assist the researchers with managing their data, producing metadata, and supporting the inclusion of their data into a public repository, the following best practices are listed below. The LA-COE team will be made available to researchers via email (la-coe@thewaterinstitute.org) or webinar, when requested, to help answer specific project-related questions, provide guidance on data repositories and digital object identifier (DOI), and help complete the data management plan from RFP1 funded projects.

DATA FORMAT AND REPOSITORIES RECOMMENDED

LA-COE requires that RFP1 funded projects archive their data with an established data repository and report on the location within two years after project completion. This requirement is part of the data accessibility criteria recommended by Treasury to meet federally-recognized data accessibility standards. To facilitate ease of data discovery, the LA-COE requires data to be archived in a digital format whose

structure is **well- organized and follows the International Organization for Standards (ISO) format for metadata documentation describing data and the location (link to established data repository)**. In addition, data resulting from LA-COE must be readable without using proprietary software. LA-COE highly recommends the use of repositories that automatically generate **digital object identifier (DOI)**, which is in wide use to identify academic information, such as journal articles, and data sets. See Table 1 for more information about the repositories that support DOI. It is also beneficial to select the repository that is most relevant to the associated data sets, queried by researchers with similar interests, and with a high number of dedicated users. At the current time, because of its relative maturity, free public access, and relevance to the mission of the LA-COE’s mission, NOAA’s NCEI is the recommended repository. Other repositories that may be beneficial to LA-COE’s research grantees are listed in Table 1

Table 1. List of repositories for data archive recommended by the LA-COE.

Repository	Metadata Standard	Cost	Focus	Persistent Identifier	Relationship required?
NCEI	ISO 19115	None	Environmental	DOI	Helpful, but not necessary
Dryad	Dublin Core	Yes	Data from publications	DOI	...
ICPSR	DDI/Dublin Core	None	Social, behavioral	DOI	Helpful, but not necessary
GRIIDC	ISO 19115	Yes	Gulf of Mexico	DOI	Yes
DataOne	Variety	None	None	DOI	No
IEDA	...	None	Geosciences	DOI	No
OBIS	Dublin Core 2	None	Biogeographic	None	Likely helpful
KNB	EML default, ISO, FGDC, MML	None	Ecological	Varied, DOIs supported	No
NCBI	Custom	None	Biotechnology	None	No
Zenodo	Dublin Core	None	None	DOI	No

CURRENT AVAILABLE DATA FROM RFP1 RESEARCH RECIPIENTS

The number of datasets generated or collected from 13 RFP1 projects are listed in Table 2. Data from all RFP1 projects should be archived in repositories and the location shared with LA-COE by September 30th, 2022. The data sets that are currently available are also listed on the webpage under each project and that can be found [here](#).

Table 2. Summary of datasets from RFP1 funded projects.

PI Last Name	# of Data Plan to Submit	# of Data Submitted	DOI (or repository)	Note
White	1	0		Will be available by 12/01/2020

PI Last Name	# of Data Plan to Submit	# of Data Submitted	DOI (or repository)	Note
Tsai	7	2	https://doi.org/10.1016/j.jhydrol.2020.124616 https://doi.org/10.1007/s10040-020-02198-8	The rest dataset will be available by 05/30/2022
Twilley	2	0		Will be available by 02/01/2022
Nelson	5	0		N/A
Chen	6	0		Will be available by 05/30/2022
Habib	1	1	http://doi.org/10.5281/zenodo.2797482	partially available, “Calcasieu” will come soon
Hagen	3	3	https://doi.org/10.5281/zenodo.3981956 https://doi.org/10.17605/OSF.IO/2PD87 https://doi.org/10.17605/OSF.IO/YXEWAWA	Currently available
Kulp	3	3	1. NOAA National Centers for Environmental Information 2. Louisiana SONRIS data system (http://sonlite.dnr.state.la.us/pls/apex/f?p=108:2:1851084497611)	Currently available
Quirk	5	0	1. Coastal Carbon Research Coordination Network (https://ameriflux.lbl.gov/year-of-methane-partnership-coastal-carbon-research-coordinati) 2. DRYAD	Will be available by 11/01/2020, 12/01/2021 and 06/01/2022 respectively
Tewari	N/A	N/A	N/A	Left RPF1 program
Xu	5	0		Will be available by 05/01/2022
Xue	2	0		Will be available by 05/01/2022
Leberg	7	1	https://doi.org/10.6084/m9.figshare.12811643 https://doi.org/10.6084/m9.fig	The rest dataset will be available 2 years after final report

TIMELINE TO OBTAIN LOCATIONS OF RFP1 DATA MANAGEMENT

Below is a timeline (Table 3) with the necessary tasks and dates so that the remaining data sets become available, and the success metrics can be updated. By the end of the year, an addendum will be provided

with the original RFP1 Success Metrics Technical Memorandum (found [here](#)) and web links to the available data sets will be provided on the Funded Research: RFP1 Cycle webpage [here](#).

Table 3. Timeline with remaining data management tasks and deadlines for projects funded under RFP1.

Tasks	Date
Email RFP1 PIs about remaining data management tasks	February 18, 2022
Data management webinar (RFP1 and RFP2 Research Subrecipients)	April 20th, 2022 (3:00 -4:30 pm CST)
Follow-up meetings (30 minutes) with RFP1 Research Subrecipients and LA-COE	May-June, 2022
Reminder email to RFP1 Research Subrecipients about the deadline to archive data	August 30, 2022
PIs share with LA-COE RFP1 data repository location	September 30, 2022
LA-COE drafts RFP1 addendum to update RFP1 Success Metric Tech Memo	October 31, 2022
LA-COE posts addendum RFP1 Success Metric Tech Memo on LA-COE website	December 15, 2022

LA-COE CONTACT INFORMATION

For any questions or concerns, please send all emails to the LA-COE email account (LA-COE@thewaterinstitute.org). The Deputy Director (Bingqing Liu) and the Data Manager (Christian Ariza Porras) will respond and help you with your data management needs.

References

Darnell, K. M., Denise, J. R., & Charles, G. G. (2016). *Standard Operating Procedures. VI*. The Water Institute of the Gulf. Baton Rouge, LA.

Acknowledgements

This project was paid for with federal funding from the Department of the Treasury under the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act). The statements, findings, conclusions, and recommendations are those of the author(s) and do not necessarily reflect the views of the Department of the Treasury.