

OPEN-ACCESS IMMUNOLOGICAL DATA SHARING: TOOLS AND RESOURCES FOR DATA MANAGEMENT AND SHARING PLAN

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MANAGEMENT, CDL**

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University of California

CDL

California Digital Library



UC Curation Center



University of California

CDL

California Digital Library

CDL was founded by the University of California in 1996

University of California Curation Center (UC3) is CDL's program concerned with maintaining, preserving, and adding value to digital research data throughout its lifecycle UC3 areas of focus:

- Research data management
- Data publication and data metrics
- Persistent identifiers
- Digital preservation
- Data/software skills training



DMPTOOL.ORG

A platform for DMP creation and guidance with templates for US funders (NSF, NIH, DOE, DOT, etc.) and many international funders.

Free, open-source community-supported tool working off of the shared DMPRoadmap codebase.

80K+ users from over 363 participating institutions around the world.



Sign in / Sign up

Email address *

For SSO, use institutional address.

[Continue](#)

Problems signing in? [Contact us.](#)



81,019 Users



348 Participating Institutions



78,554 Plans

Latest News from DMPTool

[Things to know about the updated DMPTool website](#)

[View all news](#)



COMMUNITY

Editorial Board maintains templates corresponding to all federal agencies & monitors for changes.

Use of DMPTool recommended by NSF in the Effective Data Practices DCL ([NSF 19-069](#)).

Use of maDMPs for NSF awards required in The CHIPS and Science Act of 2022 ([H.R.4346](#)).



Heather L Barnes, PhD, Digital Curation Librarian, Wake Forest University

Raj Kumar Bhardwaj, PhD, Librarian, St Stephen's College, University of Delhi, India

Renata G. Curty, PhD, Social Sciences Data Curator, University of California, Santa Barbara

Jennifer Doty, Research Data Librarian, Emory University

Nina Exner, Research Data Librarian, Virginia Commonwealth University

Janice Hermer, Health Sciences Liaison Librarian, Arizona State University

Megan O'Donnell, Data Services Librarian, Iowa State University

Reid Otsuji, Data Curation Specialist Librarian, University of California, San Diego

Nick Ruhs, PhD, STEM Data & Research Librarian, Florida State University



NIH DMSP TEMPLATE WORKING GROUP



The image displays a grid of 13 circular portraits of the working group members, each with a name and affiliation below it. The portraits are arranged in three rows. The top row features the DMPTool logo and the group title, followed by Nina Exner. The second row contains Amy Yarnell, Betsy Gunia, Genevieve Milliken, and Jim Martin. The third row contains Katy Smith, Lesley Skalla, Matt Covey, and Megan O'Donnell. A fourth row contains Maria Praetzellis, Melissa Ratajeski, Seonyoung Kim, and Will Dean. The portrait of Seonyoung Kim is highlighted with a purple border. The background is blue with white stars.

DMPTool
DMPTOOL NIH TEMPLATE WORKING GROUP

AMY YARNELL
University of Maryland,
Baltimore

BETSY GUNIA
Johns Hopkins
University

GENEVIEVE MILLIKEN
NYU Langone Health

JIM MARTIN
University of Arizona

KATY SMITH
Saint Louis University

LESLEY SKALLA
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Center

MATT COVEY
The Rockefeller University

MEGAN O'DONNELL
Iowa State University

MARIA PRAETZELLIS
CO-CHAIR
DMPTool

MELISSA RATAJESKI
University of Pittsburgh

SEONYOUNG KIM
Washington University
in St. Louis

WILL DEAN
Temple University

NINA EXNER, CHAIR
Virginia Commonwealth
University

Working group consisting of data librarians to build and update the NIH DMSP templates.

Additional work is being done by an education sub-committee producing associated educational resources.

OSF Collection with materials to promote the DMPTool: <https://osf.io/uadxr/>

SUPPORTING FEDERAL REQUIREMENTS (NIH/NSF CHIPS & SCIENCE ACT) & GUIDANCE (OSTP)

The DMP Tool is flexible, integrated, and multi-faceted. It can be tailored to meet campus-specific needs and provides:

- ✔ Best practice guidance to ensure DMPs are structured and optimized.
- ✔ Funder-specific templates that campuses can customize to ensure their requirements are considered.
- ✔ A mechanism for registering a DMP ID.
- ✔ A communication vehicle that supports data stewardship between librarians and researchers at scale.



WHITE HOUSE
OFFICE OF SCIENCE
AND TECHNOLOGY
POLICY (OSTP)
UPDATED U.S.
POLICY

The memorandum updated U.S. policy guidance to develop and implement new policies making all tax-payer funded scholarly research **and underlying raw data freely** and publicly available without embargo by **December 31, 2025.**

The new policy removes the optional 12-month embargo from public access to federally funded research.

This guidance covers all federal agencies with research and development expenditures. (Was only those >100M)

Metadata requirements, including the use of PIDS. Stipulates the use of repositories in alignment with the National Science and Technology Council (NSTC) Desirable Characteristics of Data Repositories for Federally Funded Research.

SAMPLE PLANS

Find a plan...

Search



Clear Search

Funder (50)



Institution (195)



Language (2)



Subject (38)



1 filter applied

Clear Filters

Plans (14)

Sort by: **Featured** ▼

✓ FEATURED

DataWorks! Data Management and Sharing Plan Challenge

Using natural language processing to determine predictors of healthy diet and physical activity behavior change in ovarian cancer survivors

Damian Yukio Romero Diaz, University of Arizona (arizona.edu)

DMP ID: [10.48321/D1BK5T](#)

Creation date: 01-31-2022

Language: English (US)

✓ FEATURED

NIH-GDS: Genomic Data Sharing

Mosquito evolution in response to a dengue envelope protein-guided insecticidal peptide

Christopher Kearney, Baylor University (baylor.edu)

Creation date: 06-18-2021

Language: English (US)

✓ FEATURED

NIH-GEN: Generic

Phonological aspects of word learning: Advantages of bilingualism and impacts of developmental language disorder

Carolyn Quam, Portland State University (pdx.edu)

Creation date: 06-19-2020

Language: English (US)

✓ FEATURED

https://dmptool.org/public_plans

CUSTOMIZE TEMPLATES

Two kinds of question-level customizations:

- 1. Example answer:** You can provide an example answer for a specific question (e.g., about specific metadata standards or institutional repository details). This will be displayed below the question as a researcher is writing a plan based on that template.
- 2. Guidance:** You can provide additional guidance text that will appear in the panel to the right of the question for that

Templates

Create a template

If you wish to add an organizational template for a Data Management Plan, click the 'Create template' button. You can create more than one template, e.g., one for researchers and one for graduate students. Your template will be presented to users within your organization when no funder templates apply. If you want to add questions to funder templates use the 'Customize template' options below.

Own templates Customizable templates

Customizable templates

🔍 Search

All (34) Customization published (34) Customization unpublished (0)

Template name ^	Funder ↕	Status	Last edited ↕	Actions
Alfred P. Sloan Foundation	Alfred P. Sloan Foundation	Not customized	02-13-2018	Actions
BCO-DMO NSF OCE: Biological and Chemical Oceanography	National Science Foundation (NSF)	Not customized	02-12-2018	Actions
Department of Defense (DOD)	Department of Defense (DOD)	Not customized	02-23-2018	Actions
Department of Energy (DOE): Generic	Department of Energy (DOE)	Not customized	02-12-2018	Actions
Department of Energy (DOE): Office of Science	Department of Energy (DOE)	Not customized	02-12-2018	Customize
Gordon and Betty Moore Foundation	Gordon and Betty Moore Foundation	Not customized	02-13-2018	Actions
Gulf of Mexico Research Initiative (GoMRI) 2018	Gulf of Mexico Research Initiative (GoMRI)	Not customized	02-12-2018	Actions
IMLS: Datasets				
IMLS: Digital Content				
IMLS: Software				

[View all](#)

Customizations

Example answer

B *I*

Powered by TinyMCE

Guidance

B *I*

Powered by TinyMCE

Save Cancel



DMPTool

CUSTOMIZE GUIDANCE

Themes work like tags to associate questions and guidance.

Questions within a template can be tagged with one or more themes.

Administrators can then create guidance by theme to apply their advice over all templates at once. This also alleviates the need to update guidance each time a new template is released.

Guidance

<p>First create a guidance group. This could be organization-wide or a subset, e.g., a particular College/School, Institute, or department. When you create guidance you must assign it to a guidance group.</p>

Guidance group list

Create a guidance group

Name	Status	Optional subset	Last updated	Actions
University of California, San Francisco	Published	No	02-25-2018	Actions-

Guidance list

Create guidance

You can write pieces of guidance to be displayed by theme (e.g., generic guidance on storage and backup). Writing generic guidance by theme saves you time and effort as it will be displayed across all templates rather than having to write guidance for each.

If you do have a need to provide guidance for specific funders that would not be useful to a wider audience (e.g. if you have specific instructions for applicants to NIH for example), you can do so by adding guidance to a specific question when you edit your template.

Q Search

Text	Themes	Guidance group	Status	Last updated	Actions
Clear and detailed documentation is essential for data to be understood, interpreted, and used. Data documentation describes the content, formats, and internal relationships of your data in detail and will enable other researchers to find, use and properly cite your data. Be sure to document: <ul style="list-style-type: none">Variable names and descriptionsExplanation of codes and classification schemes usedAlgorithms used to transform data (may include computer code)File format and software (including version) used	Metadata & documentation	University of California, San Francisco	Published	02-25-2018	Actions- Edit Unpublish Remove
The file format you choose for your data is a primary factor in someone else's ability to access it in the future. Think carefully about what file format will be best to manage, share, and preserve your data. Try to choose formats that are: <ul style="list-style-type: none">Non-proprietaryOpen, with documented standardsIn common usage by the research communityUsing standard character encodings (i.e., ASCII, UTF-8)Uncompressed (space permitting)	Data format	University of California, San Francisco	Published	02-25-2018	Actions-



DMPTool

PROVIDE FEEDBACK ON PLANS

If enabled, users will see a button to "Request feedback" on the Share tab while writing their plan. When they click the button, they will receive an automated email notification .

The screenshot displays the DMPTool interface with a navigation bar at the top containing: Project Details, Collaborators, Write Plan, Research outputs, Request feedback (highlighted), Download, and Finalize / Publish.

Request expert feedback

Click below to give data management staff at DMPTool, the Plan Owner's org, access to read and comment on your plan.

Dear Researcher,

"How to Use the DMPTool to Write Your NIH Data Management and Sharing Plan" has been sent to your DMPTool account administrator for feedback. Please email uc3@cdlib.org with any questions about this process.

You can continue to edit and download the plan in the interim.

[Request feedback](#)

This plan is based on the "NIH-GEN DMSP (Forthcoming 2023) " template provided by National Institutes of Health (nih.gov) - (ver: 0, pub: 2021-01-29).

[expand all](#) | [collapse all](#) 0/12

Data Type (0 / 3)

Briefly describe the scientific data to be managed, preserved, and shared.

A general summary of the types and estimated amount of scientific data to be generated and/or used in the research. Describe data in general terms that address the type and amount/size of scientific data expected to be collected and used in the project (e.g., 256-channel EEG data and fMRI images from ~50 research participants). Descriptions may indicate the data modality (e.g., imaging, genomic, mobile, survey), level of aggregation (e.g., individual, aggregated, summarized), and/or the degree of data processing that has occurred (i.e., how raw or processed the data will be)

B I [List Icon] [List Icon] [Link Icon] [Table Icon]

Save

Comments & Guidance

Guidance [Red Arrow] **Comments**

Add comments to share with collaborators

B I [List Icon] [List Icon] [Link Icon] [Table Icon]

This is where you can add comments to share with plan creators as part of the Request Feedback feature.

Save

GENERATE A PERSISTENT IDENTIFIER

A DMP ID is a unique persistent identifier for data management plans.

DMP-IDs are automatically linked to the creator's ORCID account and included as work on their ORCID profile page.

It makes DMPs citable and promotes transparency in research

Facilitates connecting research outputs, funding, and plans, making reporting easier and facilitating automated compliance checks.

Project Details Collaborators Write Plan Research outputs Download Finalize / Publish

Set plan visibility

Public or organizational visibility is intended for finished plans. You must answer at least 50% of the questions to enable these options. Note: test plans are set to private visibility by default.

- Private: visible to me, specified collaborators and administrators at my organization
- Organization: anyone at my organization can view
- Public: anyone can view

Save

Register your plan and add to ORCID

Get a DMP ID for your data management plan.

In order to register your plan you must have completed the following:

- answered at least 50% of questions
- identified your funder
- authorized DMPTool to add works to your ORCID record via your [Third party applications page](#)
- plan is not a mock project for testing, practice, or educational purposes

Once the steps above are satisfied, a button to register your plan will appear here.



Create Data Management Plans that meet requirements
and promote your research

Sign in / Sign up

Email address *

For SSO, use institutional address.

Continue

Problems signing in? [Contact us.](#)



75,004 Users



329 Participating Institutions



73,044 Plans

Latest News from DMPTool

[Announcing the FASEB Dataworks! Data Management Plan Challenge](#)

[View all news](#)



DMPTOOL DEMO

Resources

Materials to promote the DMPTool:

<https://osf.io/uadxr/>

Blog: blog.dmptool.org

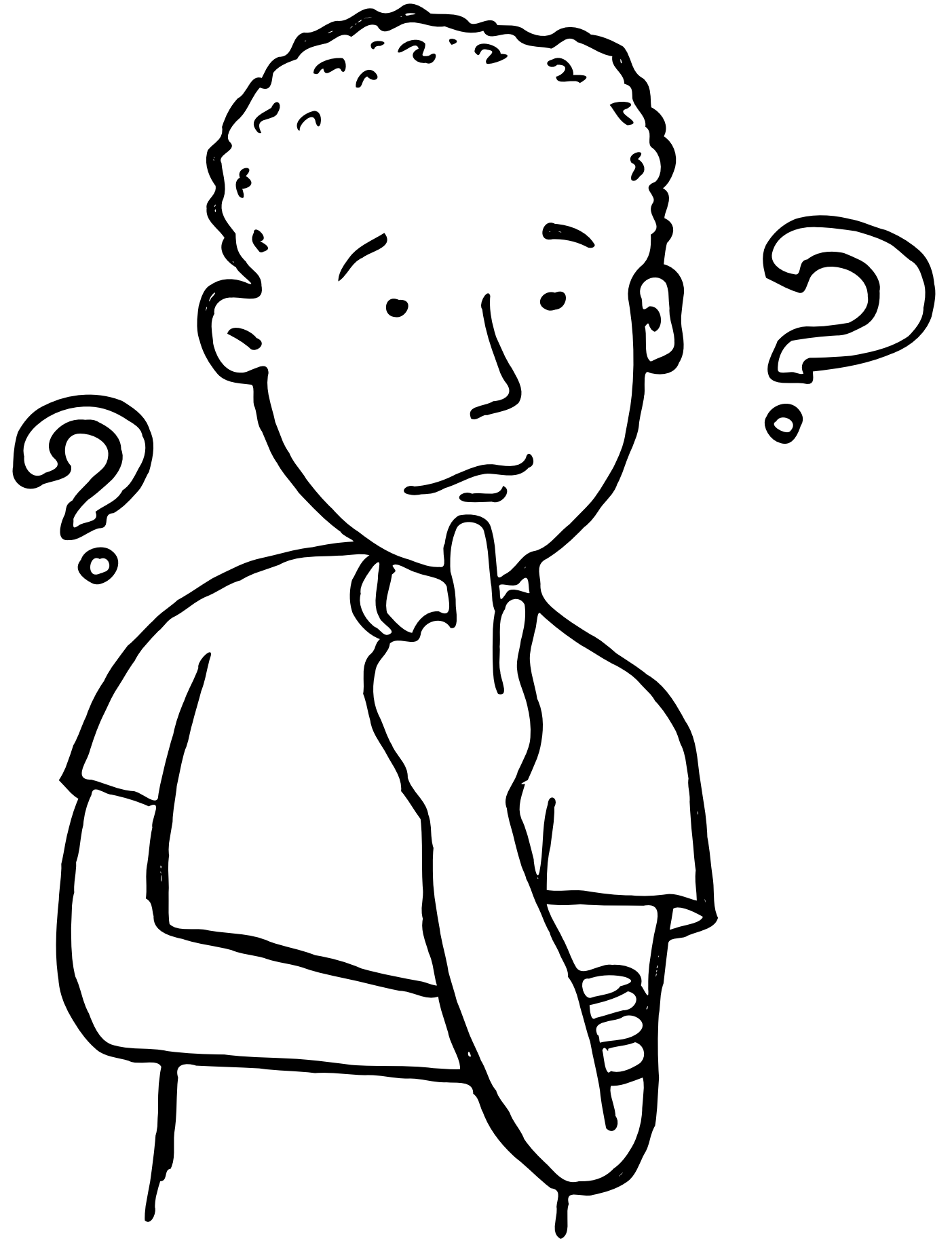
Documentation:

<https://github.com/CDLUC3/dmptool/wiki>

To sign up as a participating org email us at dmptool@ucop.edu



QUESTIONS



I'VE USUALLY JUST COPIED MY DATA
MANAGEMENT PLAN FROM ONE GRANT
TO THE NEXT WITH MINOR TWEAKS, HOW
WOULD DMPTOOL MAKE THIS PROCESS
EASIER?



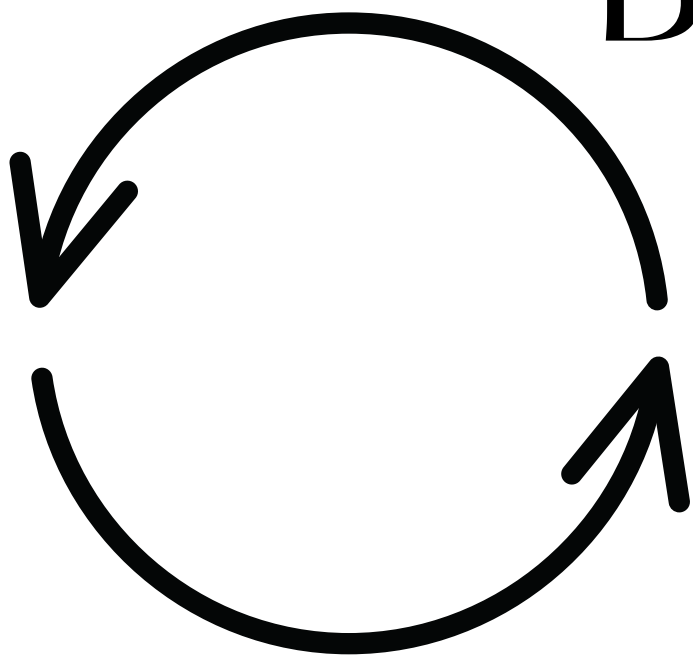
COPYING PLANS

My Dashboard

The table below lists the plans that you have created, and that have been shared with you by others. You can edit, share, download, make a copy, or remove these plans at any time.

Project Title	Template	Edited	Role	Test	Visibility	Shared	DMP ID	
EAGER: The FAIR Island Project for Open Science	NSF-GEN: Generic	06-10-2022	Owner	<input type="checkbox"/>	Public	No	10.48321/D17598	Actions
Moorea Biocode	Gump South Pacific Research Station	05-22-2022	Co-owner	<input type="checkbox"/>	Private	Yes	10.48321/D1F88S	Edit Publish Download Copy Remove
test	U.S. Geological Survey (USGS)	05-17-2022	Owner	<input type="checkbox"/>	Private	No		
Autonomous Reef Monitoring Structures (ARMS)	Tetiaroa Field Station	05-11-2022	Co-owner	<input type="checkbox"/>	Private	Yes		
ARMS for Biodiversity Baselines in Polynesie Francaise	Tetiaroa Field Station	05-11-2022	Co-owner	<input type="checkbox"/>	Private	Yes		Actions
Understanding nutrient feedbacks across seabird-island-reef ...	Tetiaroa Field Station	05-04-2022	Owner	<input type="checkbox"/>	Private	Yes		Actions
Coral Spawning and Development under Thermal Stress	Tetiaroa Field Station	05-04-2022	Owner	<input type="checkbox"/>	Private	Yes		Actions
Entomological survey of Tetiaroa	Tetiaroa Field Station	05-04-2022	Owner	<input type="checkbox"/>	Private	Yes		Actions
Maria's Plan	NIH-GEN DMSP (Forthcoming 2023)	04-13-2022	Owner	<input type="checkbox"/>	Private	No		Actions

I DON'T ALWAYS KNOW WHICH DIRECTION
THE RESEARCH IN MY LAB WILL GO, CAN I
EASILY ALTER MY PLAN IN DMPTOOL?
HOW IS IT SAVED IF I WANT TO REVERT
BACK TO AN OLD VERSION?



UPDATING PLANS

GENERATE A PERSISTENT
IDENTIFIER FOR YOUR
DMP AND KEEP IT
UPDATED OVER TIME

A data management plan for this project was submitted to the National Institutes of Health (NIH) with the information below.



This page represents key information from a data management plan available here.

Using natural language processing to determine predictors of healthy diet and physical activity behavior change in ovarian cancer survivors

Contributors to this project

Damian Yukio Romero Diaz: Data-curation, Other, University of Arizona (arizona.edu), <https://orcid.org/0000-0003-4661-0296>

Hagan Franks: Data-curation, University of Arizona (arizona.edu), <https://orcid.org/0000-0002-9267-5595>

John Culnan: Other, University of Arizona (arizona.edu), <https://orcid.org/0000-0001-7327-1053>

Rebecca Sharp: Other, LexMachina

Sarah Jane Wright: Data-curation, Project-administration, University of Arizona (arizona.edu), <https://orcid.org/0000-0002-9996-5413>

Steven Bethard: Investigation, Project-administration, University of Arizona (arizona.edu), <https://orcid.org/0000-0001-9560-6491>

Tracy Crane: Investigation, Project-administration, University of Miami (miami.edu), <https://orcid.org/0000-0002-4288-134X>

Project details

Research domain: Health sciences

Project Start: January 01, 2021

Project End: December 31, 2022

Created: February 15, 2022

Modified: March 11, 2022

Ethical issues related to data that this DMP describes?: no

Citation

When citing this DMP use:

Damian Yukio Romero Diaz. (2022). "Using natural language processing to determine predictors of healthy diet and physical activity behavior change in ovarian cancer survivors" [Data Management Plan]. DMPHub. <https://doi.org/10.48321/D1BK5T>

When connecting to this DMP to related project outputs (such as datasets) use the ID:

<https://doi.org/10.48321/D1BK5T>

Funding status and sources for this project

Status: Granted

Funder: National Institutes of Health (NIH)

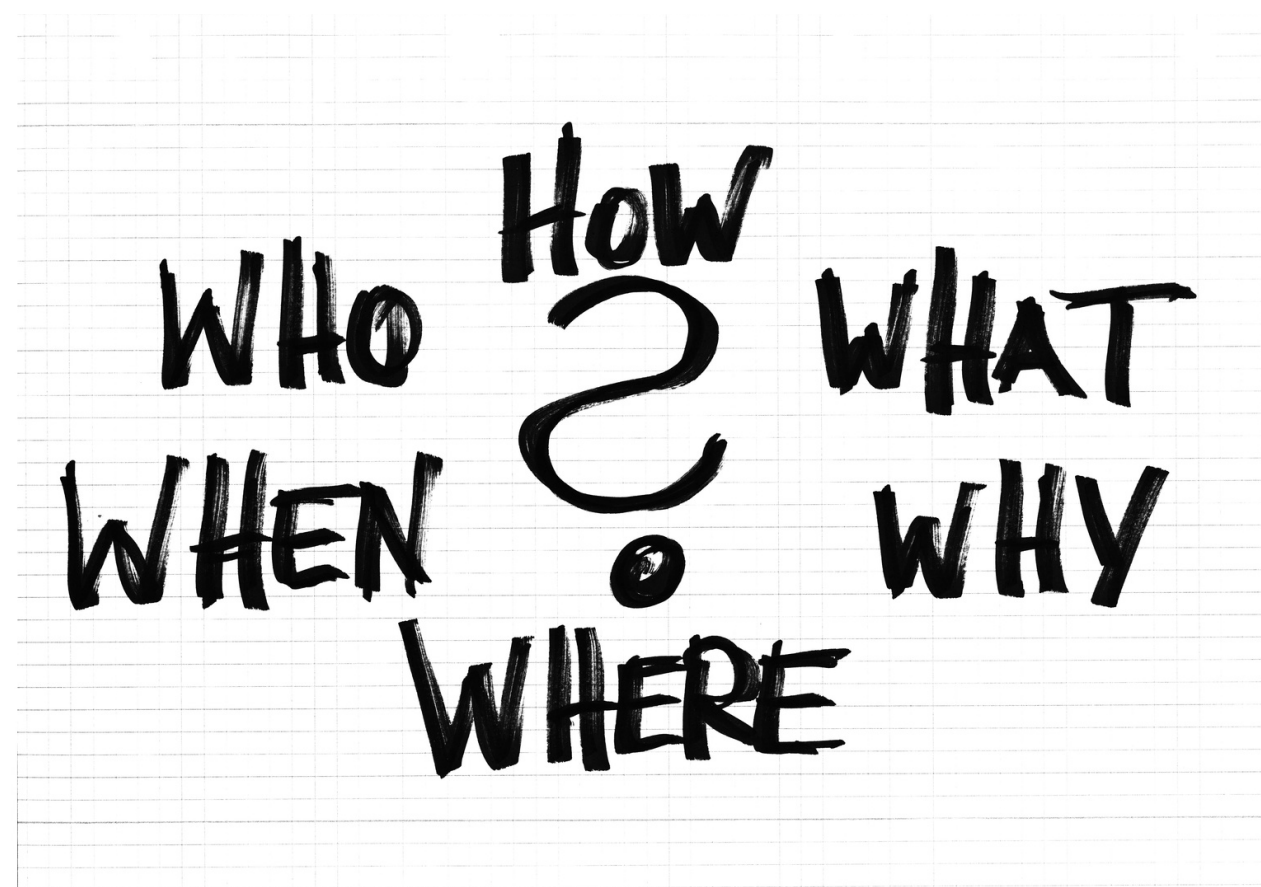
Funding opportunity number: PAR-18-018

Grant: <https://reporter.nih.gov/search/qfhaBJoM20qq64VSqwCScg/project-details/10109452>

Project description

Cancer survivors are a growing population in the United States; more than 16 million currently live in the US and by 2030 this number is expected to exceed 22 million. It is

QUESTIONS FOR DISCUSSION



The new policy requires that researchers “maximize the appropriate sharing of scientific data.”

What do you imagine the impact of this new policy will be on your work?

How do you imagine you'd utilize the funds available for data management?

Are there additional tools or services that would help you?

Maria Praetzellis

THANK YOU!

maria.praetzellis@ucop.edu



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CDL

California Digital Library



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