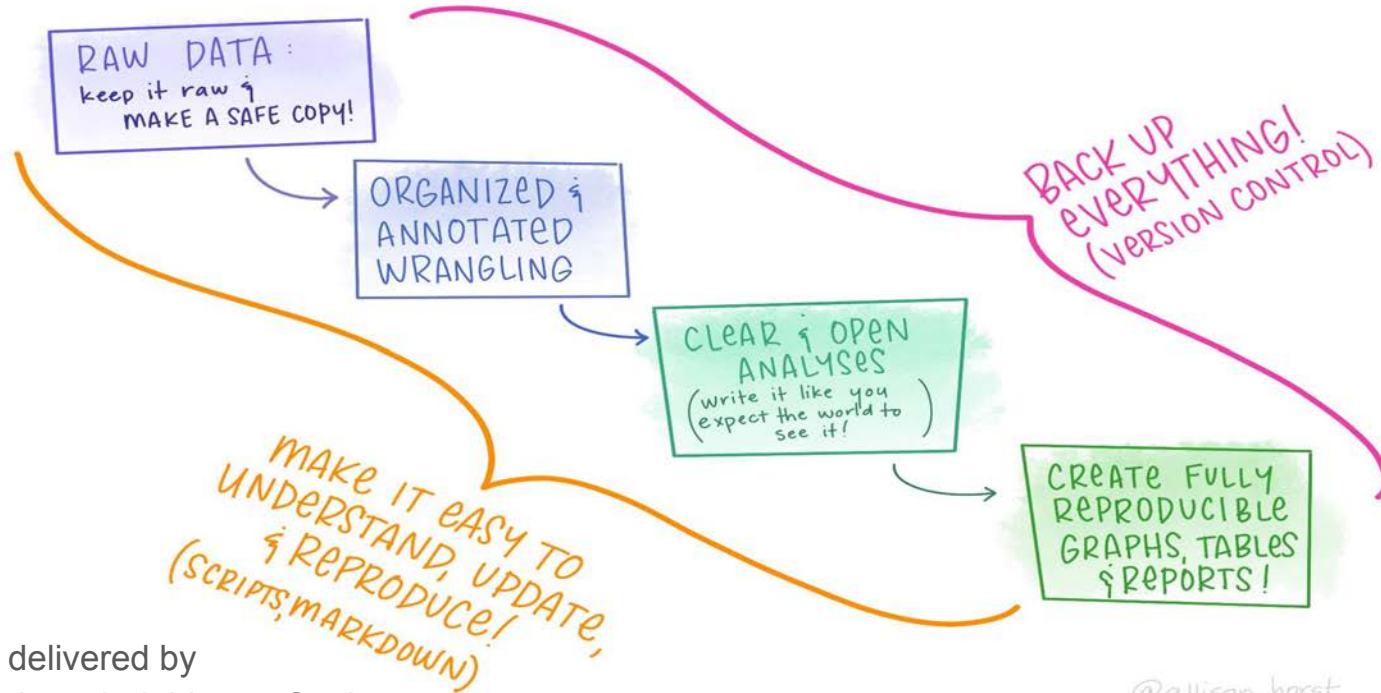


# EPSCOR Fire & Ice 2022





## State of the Data



## Data governance goal, in short

1. Each PI should have a Research Workspace account setup
2. Each 'Collection Effort' should have a data management plan (one plan can name multiple efforts)
  - These DMPs should include expected timeframe
3. Within 6 months of identified field season, preliminary files are in the RW, and preliminary metadata are started
4. Within 12 months, datasets are finalized, metadata are finalized and imported to EPSCoR metadata catalog
  - This is a good time to identify particular data visualization products for the portal
5. Within 18 months of the end of field season, Data and Metadata and finalized post Axiom review, these data will be published to the portal, and archived with DataONE, where a DOI is minted
  - So that's a 18 month embargo

# Jargon busting

Portal 	A portal is an organized, searchable tool for finding data and metadata. Typically a portal allows users to perform in-portal data analysis and data visualization such as through a web browser. The portal includes a catalog and a map.
Published 	Any data that is available for download in the Fire & Ice portal is considered published data. These data files are assumed to have been reviewed for completeness and accuracy (QA/QC) by their contributor (e.g. project PI), authorized for publication through a written agreement, and described by an ISO-compliant metadata record. Note that metadata for data files that are currently under embargo may be displayed in the Fire & Ice data portal, though data files themselves will not be available for download until the embargo period ends.
Archived 	Final data and data products are stored in a data repository for long-term preservation. Versioning possible.
Metadata 	Metadata is the data about the data, and describes the data temporally, geographically, data collection and analytical methods, and data contributors in detail. The record in RW is a gray 4 box icon next to a folder name.
Research Workspace (RW)	A secure, web-based data management tool used to store and share Fire & Ice data and other associated information for exclusive access by Fire & Ice PIs and their designated collaborators.

[Full Data Governance Document Linked](#)

# Status Report

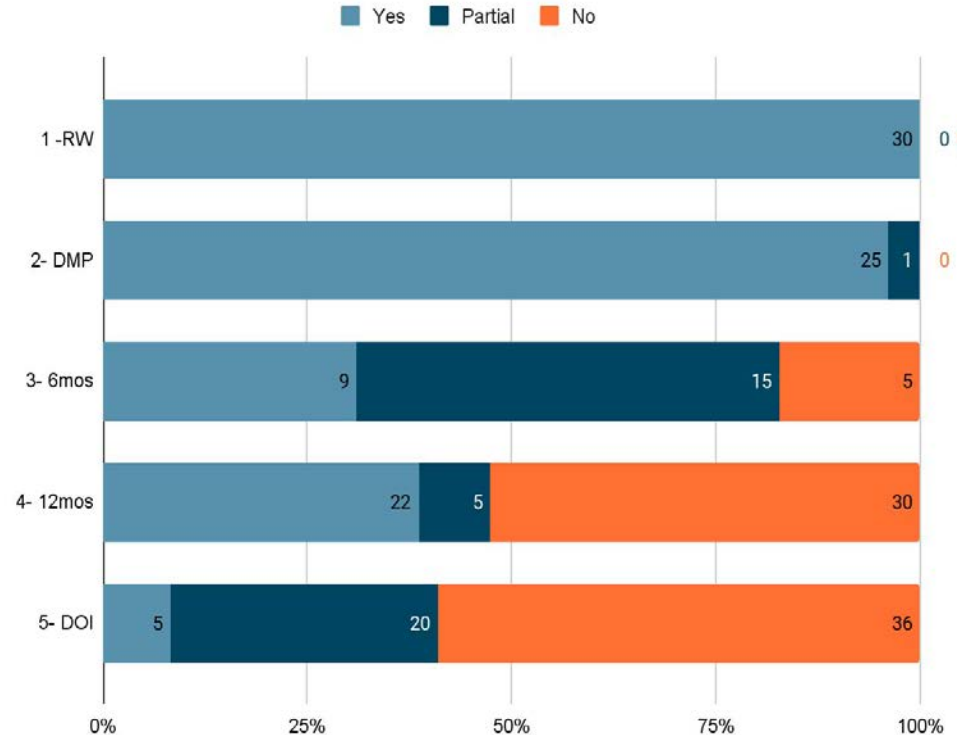
“State of the data”



# The 'rubric' - ideal state

1. A RW account for all EPSCoR PIs
2. A DMP for each data collection effort/project
3. Preliminary data and metadata uploaded within 6 months
4. Finalized data and metadata uploaded within 12 months
5. Data are archived with DOI minted

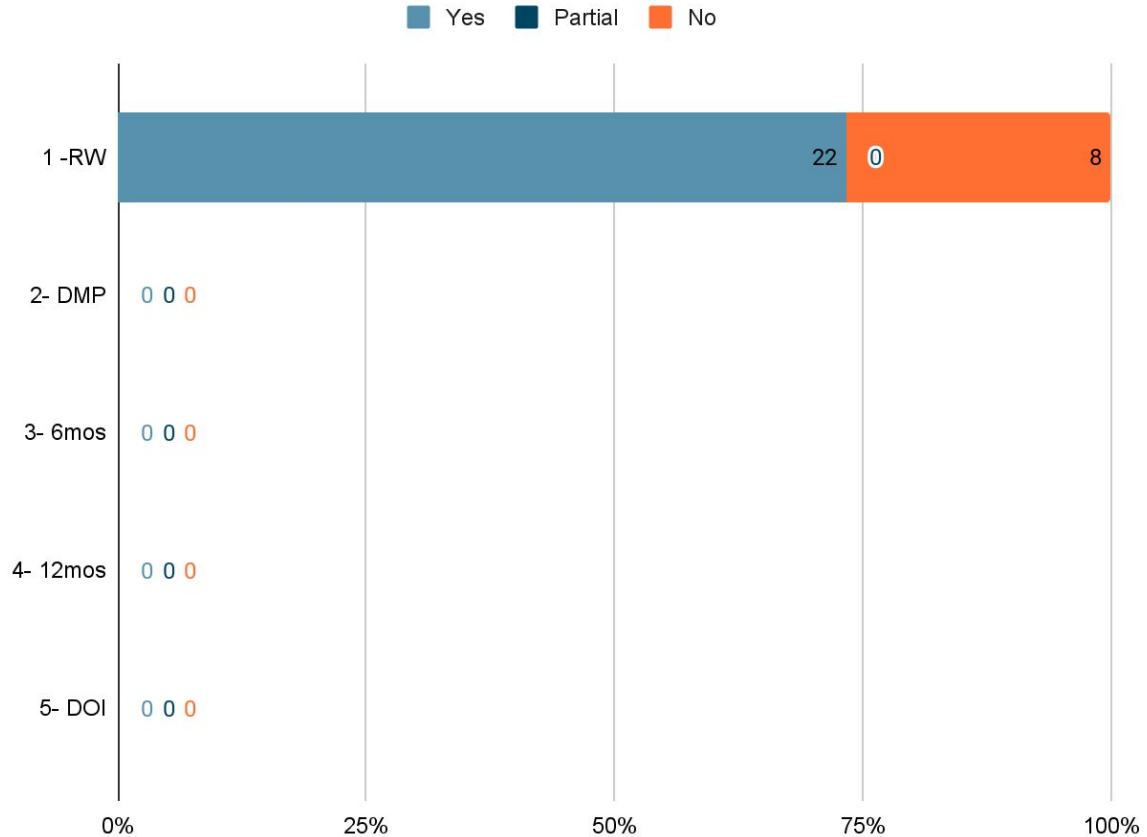
State of the Data December 2021



## State of the Data December 2021

# 1. A RW account

As a best guess, let's go with +/- a few people. I also know there are new people, particularly students, joining frequently.

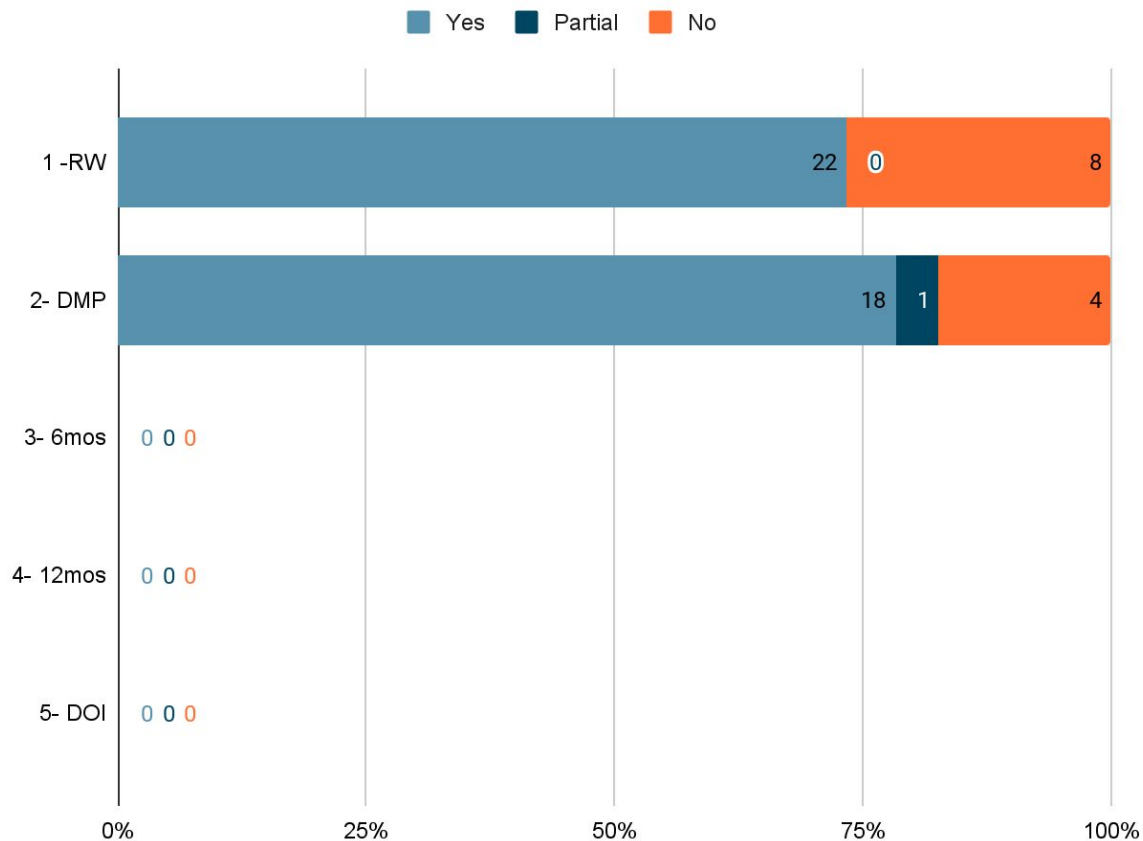


## 2. A DMP for each data collection effort

This does not include DEW projects, SEED Grant, which may or may not opt to create a DMP and archive data products with us.



### State of the Data December 2021



### 3. Preliminary data available

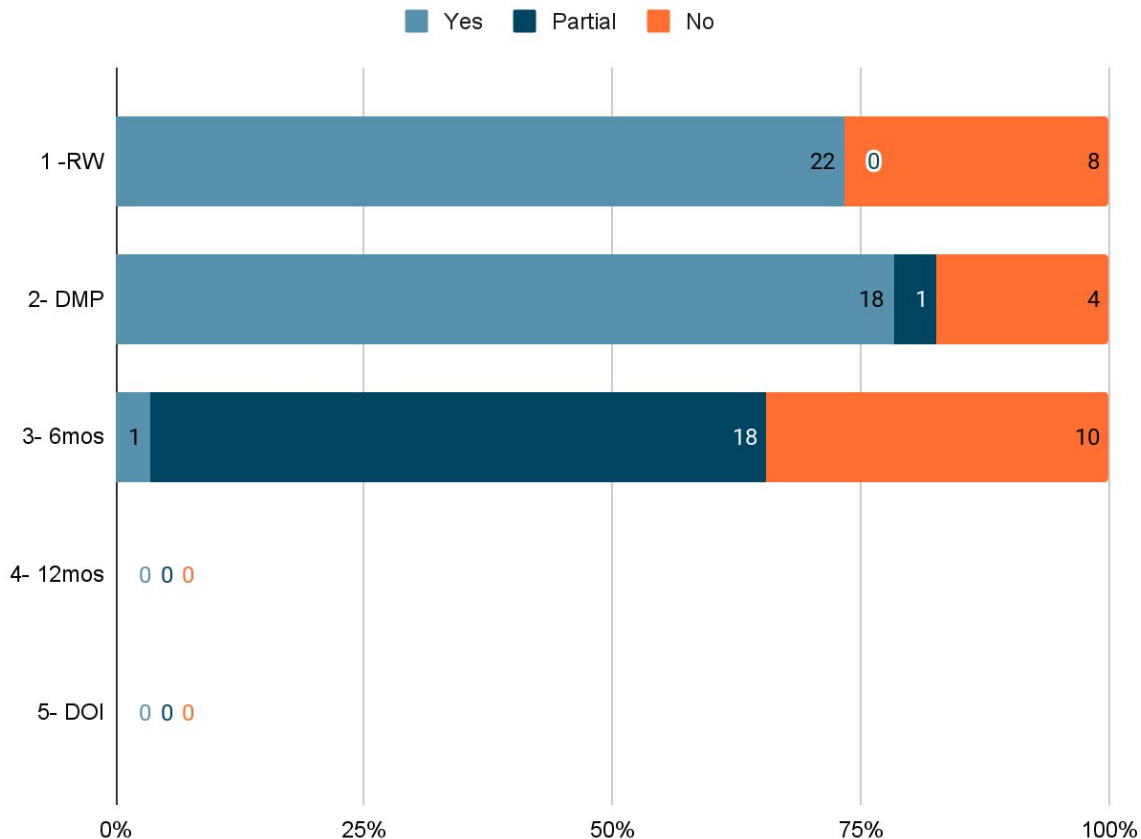
If the 6 months from field season has been met. For our 'yearly' kind of schedule, this essentially refers to 2020 data, more recent.

For a dataset with data but no metadata, this was counted as 'Partial'.

For a dataset that is expecting one data product, of 5 years data together, 'no' is given if there are not yearly uploads but they are expected/unknown.



State of the Data December 2021





## 4. Finalized data available

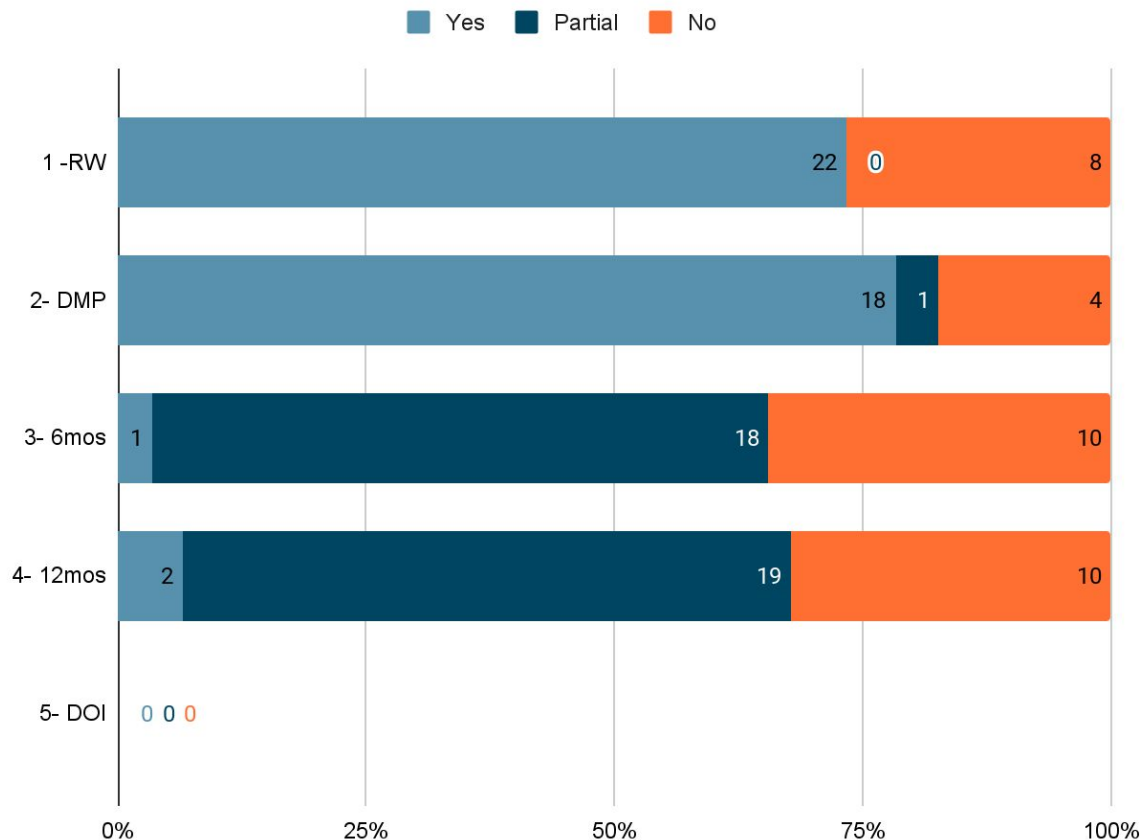
If the 12 months from field season has been met. For our 'yearly' kind of schedule, this essentially refers to 2019 data.

Projects with data but not metadata were 'Partial' credit.

These numbers do NOT exclude the most recently added datasets, that may not have met the 6 month requirements either. So there's a growth curve in number of datasets that need finalization. Therefore we expect this to be a more 'No' column.



## State of the Data December 2021



## 5. Data archived with DOI minted

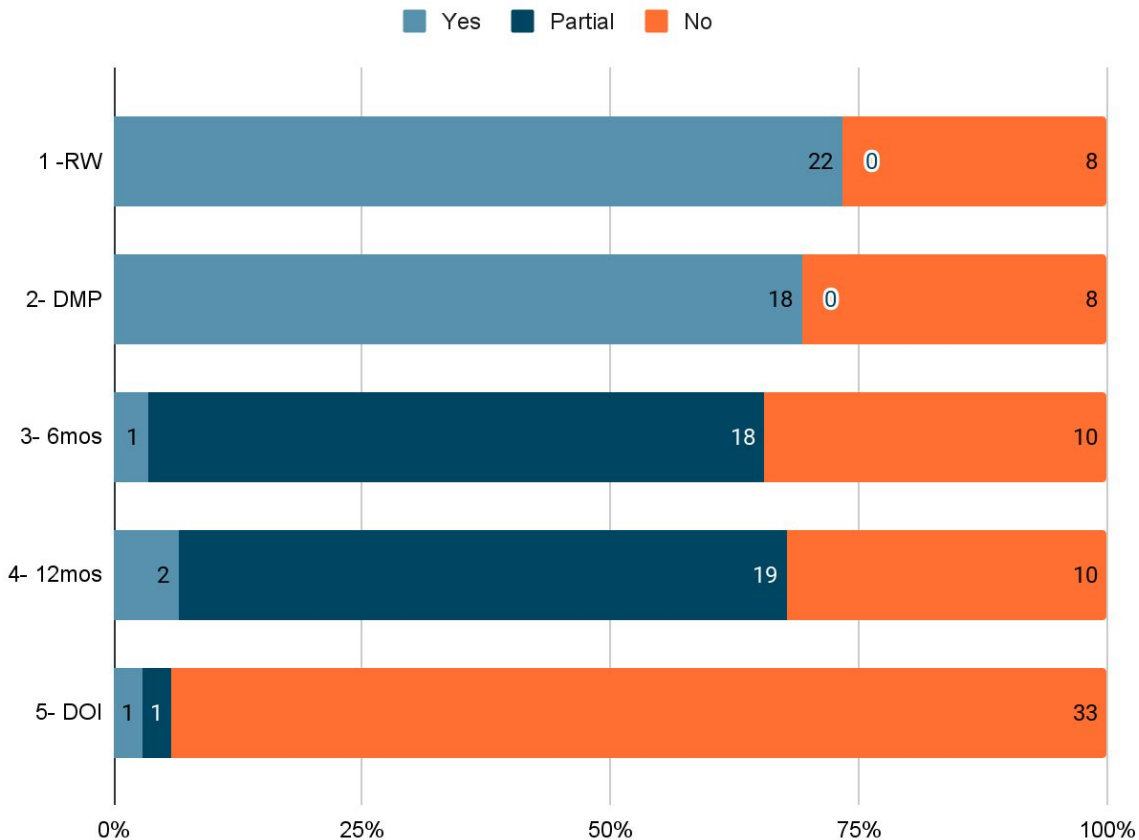
Again, the numbers compound.

So it's not unexpected to see a large 'No' percentage, because the 2019 and 2020 year datasets are not all going to be ready for release from embargo.

But the goal is to have any that have completed the 12 month check mark, count as 'Partial' in the DOI column.



### State of the Data December 2021



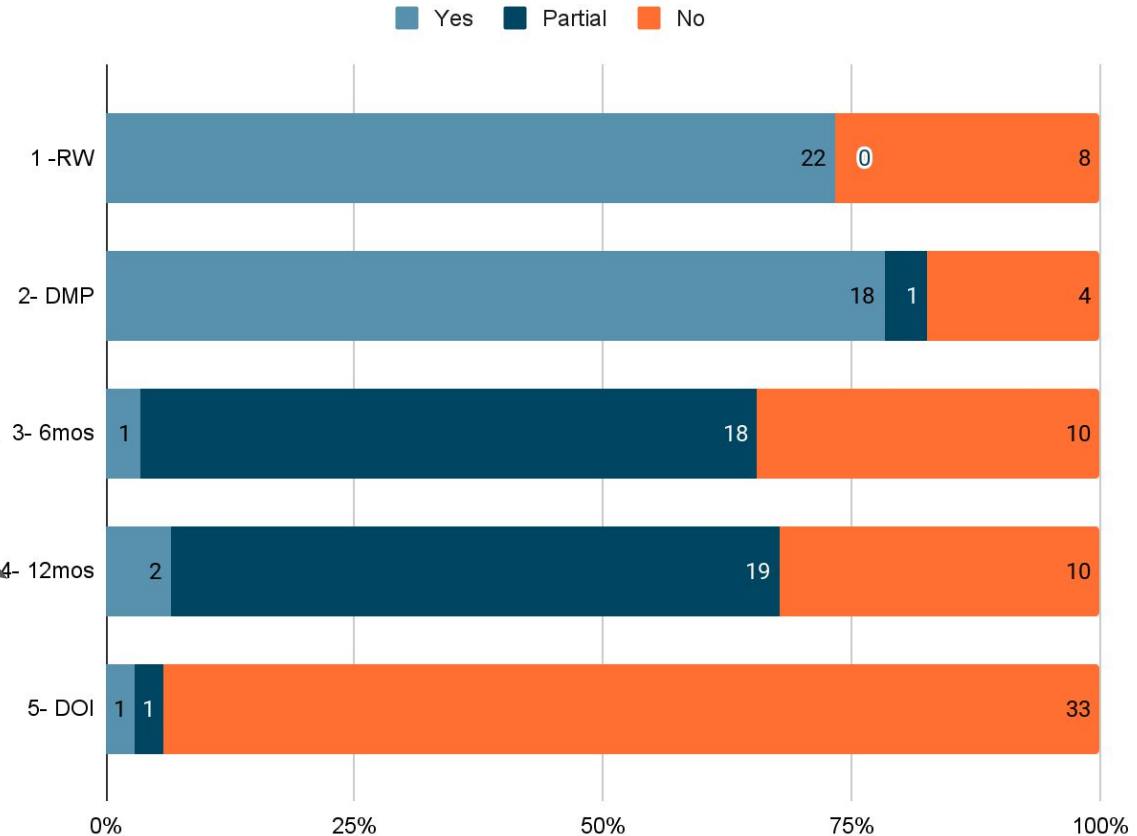
## State of the Data December 2021

### To summarize

The DMPs are important to satisfy the base requirement of NSF and Axiom's data management role

The 12 mos mark is top priority - 2019 and 2020 preliminary data should be uploaded to the Research Workspace, and any completed efforts should have metadata records

This is the second-to-top priority: 2021 datasets uploaded



# A peak behind Adrienne's data coordinator curtain

It's just a spreadsheet

1	Collection effort	Coastal or Boreal	Workspace project link	DMP	2019 data in RW	2019 Metadata in RW	2020 data in RW	2020 Metadata in the RW	2021 data in RW	2021 Metadata in the RW	2022 data in RW	2022 Metadata in the RW	2023 data in RW	2023 Metadata in the RW	Data in the portal	DOI	Collection effort
3	Inventory table data	Coastal Margins	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	N/A	N/A	N/A	N/A	unknown	N/A	unknown	N/A	unknown	N/A	N		after 2020 pr
4	Pesticide Residues	DEW	N/A data will not be shared	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
8	Invasive Science Workshop	DEW	N/A data will not be shared	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
9	Invasive alien study	DEW	N/A data will not be shared	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
10	Invasive alien survey	DEW	N/A data will not be shared	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
11	Invasive alien work	DEW	N/A data will not be shared	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
12	Emerging anthropogenic influences on the coastal and boreal ecosystems and protection (Current related to 2019)	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	Y	Y	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Partially		completed w
13	Student centered leadership for a newly established online course (large teaching project in Cook Inlet, Alaska)	Seed grant	<a href="https://researchworkspace.com/projects/734742/files">https://researchworkspace.com/projects/734742/files</a>	N	Y	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
14	The Permanence of Arctic Watersheds Congress issues	Seed grant	<a href="https://researchworkspace.com/projects/7360126/files">https://researchworkspace.com/projects/7360126/files</a>	N	Y	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
18	Interoperability	Coastal Margins	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	N	N	N	N	unknown	unknown	unknown	unknown	unknown	unknown	N		Aug 2019 - F
19	Business Creek LTER Integrity	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	N	N	N	N	N/A	N/A	N/A	N/A	N/A	N/A	N		Sum 2019, S
22	Hydroxyl data for biomass, climate context, fuel condition	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	N	N	N	N	unknown	unknown	unknown	unknown	unknown	N			WOS-84 and
24	v8 essential geomorphology data	Coastal Margins	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	Y	N	Partial	N	planned	planned	planned	planned	N/A	N/A	N/A		March 2019 -
26	v10 essential geomorphology data	Coastal Margins	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	Y	Y	Y	Y	planned	planned	planned	planned	N/A	N/A	N/A		2019 - 2022
6	Index for Subarctic and Arctic	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	N	N	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
27	Season to season forecasts for fire weather prediction	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	N	N	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
28	Fire Survey Data	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N/A	N/A	N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
29	Forest Treatment & ecosystem	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N		
30	Public Treatment Management Data	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N/A	N/A	N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		rule pre-exis
17	Household survey data related to fire	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	N/A	N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
19	Household survey data related to fire	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	N	N/A	N/A	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
24	House hunting and forest fire	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
27	Public Wildlife Data	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	unknown	N		
28	Burn severity for Global and Tanager Creek Fire	Boreal Fire	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	Y	N	N	N	unknown	unknown	unknown	unknown	unknown	unknown	N		
32	Forestry Jurisdiction & other community data	Coastal Margins	<a href="https://researchworkspace.com/projects/55353274/files">https://researchworkspace.com/projects/55353274/files</a>	Y	Y	Y	Y	Y	unknown	unknown	unknown	unknown	unknown	unknown	N		



# So, what next?

- Help us help you!
  - 1 on 1 check ins:  
<https://axiomdatascience.as.me/data-meeting>
  - Start writing READMEs and metadata
  - Sign into research workspace and make the folder structure or uploads necessary
- Upload preliminary data to Research Workspace
  - Check your Research Workspace login
- Contact Adrienne (Data Librarian)- E-mail:  
[adrienne@axiomdatascience.com](mailto:adrienne@axiomdatascience.com)
- Contact Karina (Project Manager) - E-mail:  
[karina@axiomdatascience.com](mailto:karina@axiomdatascience.com)



# References and resources

- **EPSCoR Fire and Ice Data Governance Guidelines:**  
[https://docs.google.com/document/d/15atFkD\\_nszZ31aHretLdouqclmDQTGOF8X-0MmXdyAM/edit?usp=sharing](https://docs.google.com/document/d/15atFkD_nszZ31aHretLdouqclmDQTGOF8X-0MmXdyAM/edit?usp=sharing)
- YouTube playlist with short clips on the Research Workspace:  
[https://www.youtube.com/playlist?list=PLk6IIYH-l4WCLSqVbXhZkO\\_aUx7kwvndC](https://www.youtube.com/playlist?list=PLk6IIYH-l4WCLSqVbXhZkO_aUx7kwvndC)
- Help docs for Research Workspace, including tutorials: <https://researchworkspace.com/help/>
- **Data Management Workshop 2021 Slidedeck:** <https://bit.ly/3ELGQFP>
- Introduction to Data Management Best Practices:  
<https://www.axiomdatascience.com/best-practices/DataManagementBestPractices.html>
- Metadata Best Practices:  
<https://www.axiomdatascience.com/best-practices/MetadataBestPractices.html#metadata-best-practices>
- UAF OGCA Data Management Plans and Data Sharing details:  
<https://www.uaf.edu/ogca/lifecycle/3-develop/data-management-plans-and/>