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# Mediated Approach for NIE Data Repository

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NIE Library



# Outline

**01 Introduction**

**02 Archival of Research Data in NIE**

**03 Content Recruitment Strategies**

**04 Mediated Approach**

**05 Future Developments/Wish List**



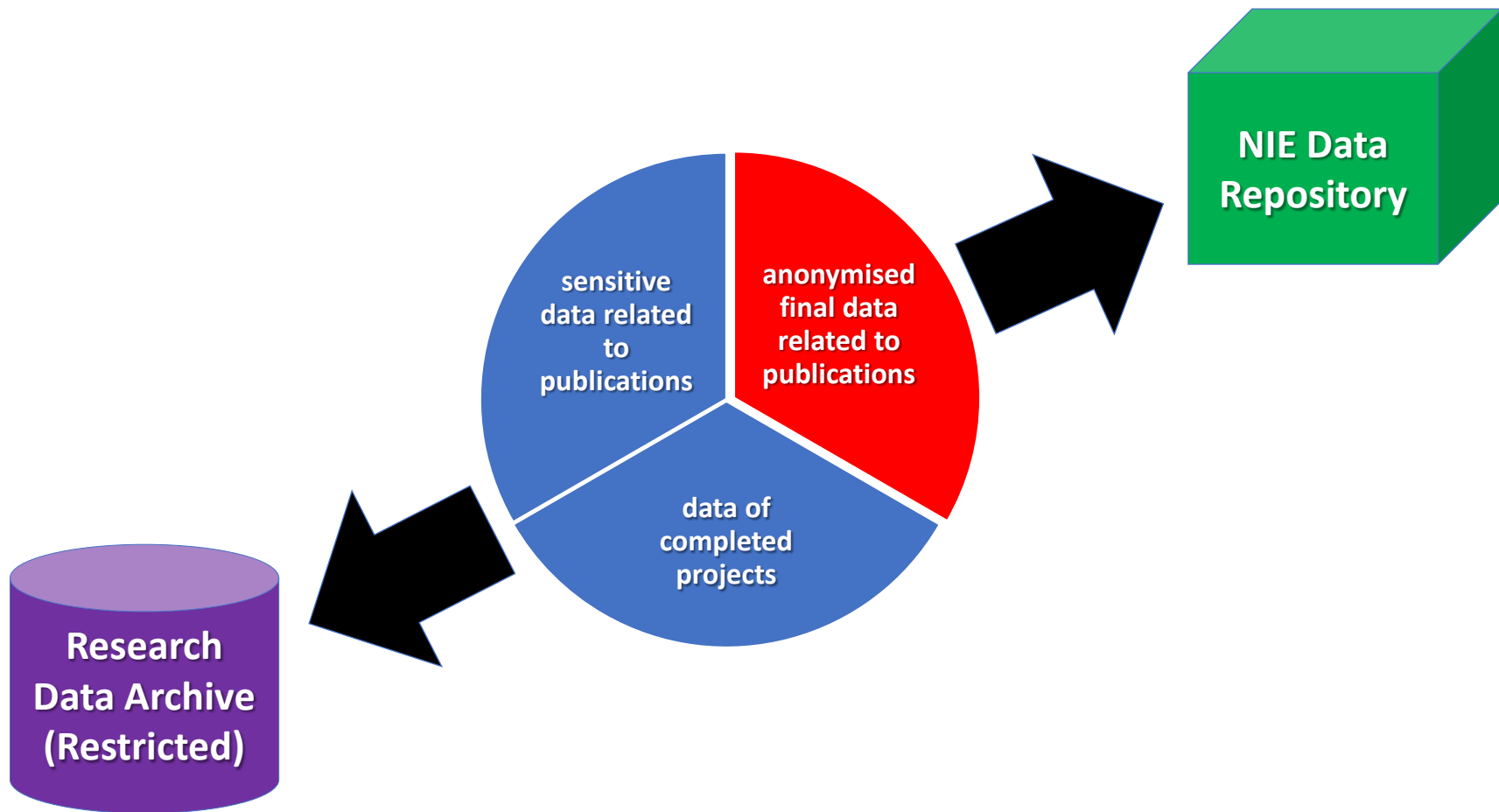
# Introduction

- **NIE Data Repository (2018)**
  - Archival of anonymised final research data related to publications
  - Sharing and reuse
- **Research Data Archive (Restricted) (2020)**
  - Archival of data of completed projects
  - Accountability

\* Research data are to be archived for 10 years from the end of project or 10 years after the publication of a paper, whichever is later.



# Archival of Research Data in NIE



# Content Recruitment Strategies

- Advocacy and awareness
  - Top-down Approach
  - Research Data Management Coordination Meeting
- User engagement
  - Workshops: data repository, data management plan
  - Consultation sessions
  - Self-help materials (LibFAQs, LibGuides)
- Depositing of data
  - Mediated Approach



# Mediated Approach

- Reduce workload for Principal Investigators (PIs)
- Speed up deposit process
- Maintain consistency of metadata
- Ensure that data are deposited in the correct platforms





# NIE Data Repository



# Workflow



Alice Tan

NIE Data Repository > Alice Tan

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Designation: Research Scientist

Research interests:

- teacher learning and professional development
- knowledge building environment

For more information, visit [webpage](#)

- the Library creates PI's profile and populates info based on staff profile in the corporate website
- eliminates need for PIs to re-enter data





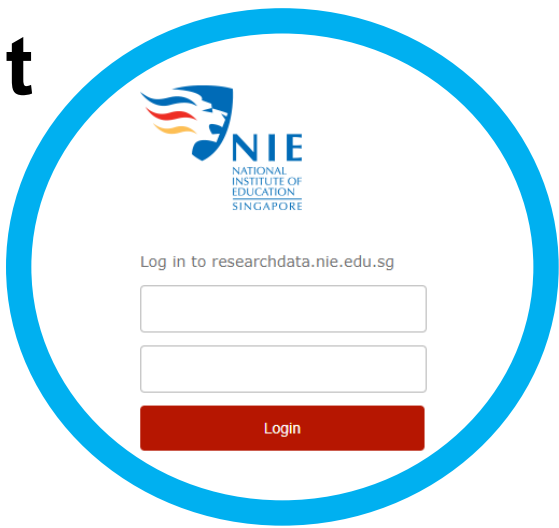
# Customised Role

	Add Dataset	View Dataset (Unpublished)	Edit Dataset	Add Dataverse	View Dataverse (Unpublished)	Edit Dataverse	Publish Dataset	Publish Dataverse	Delete Dataset (draft)	Delete Dataverse	Download File	Manage Dataset Permissions	Manage Dataverse Permissions
<b>Admin</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Curator</b>	✓	✓	✓	✓	✓		✓		✓		✓	✓	
<b>Researcher</b>	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
<b>Contributor</b>		✓	✓						✓		✓		

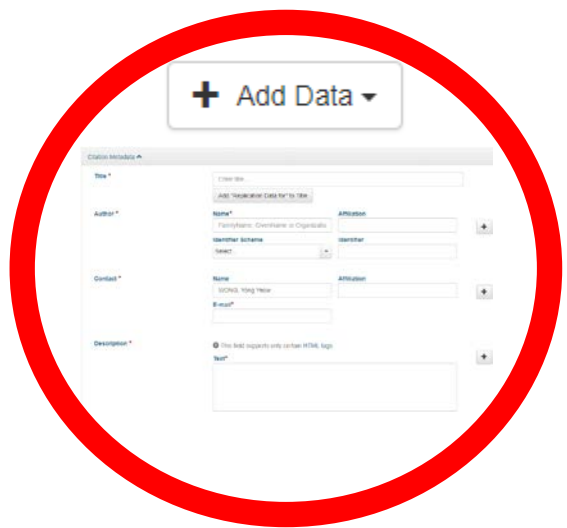
- PIs will be assigned the **Researcher** role (customised)
- Similar to Admin role, but without publishing rights

# Steps to Data Deposit

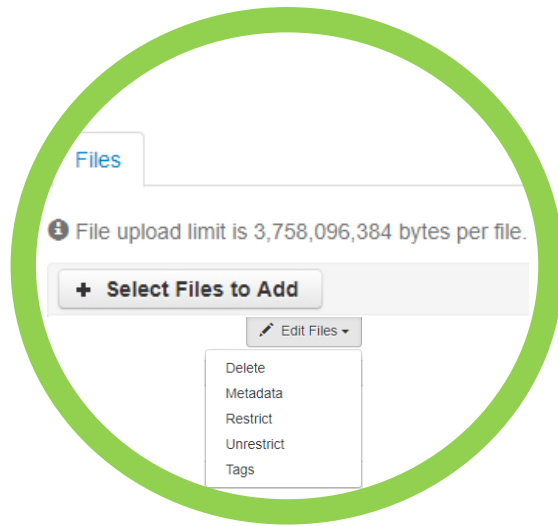
## Step 1: Logging In



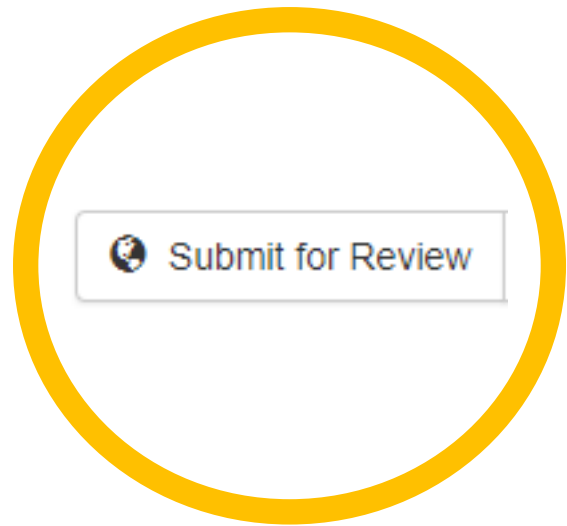
## Step 2: Creating Dataset



## Step 3: Uploading Files



## Step 4: Submitting Dataset



## Step 5: Publishing Dataset (Library)



# Mediated Deposit at a Glance

Steps	Action	PI	Library Admin
Log in	Create account	√	
	Create PI profile <ul style="list-style-type: none"> <li>• populate info from staff profile</li> <li>• upload photo</li> </ul>		√
	Create 'Researcher' role (customised) for PIs		√
	Map account		√
	Inform PI that account is ready for use		√
	Create dataset	Complete mandatory fields: <ul style="list-style-type: none"> <li>• Title</li> <li>• Author (pre-filled)</li> <li>• Contact (pre-filled)</li> <li>• Description</li> <li>• Subject (choose from dropdown menu)</li> </ul>	√
Assign 'Contributor' role to co-PI/team member		√	√
Upload files	Select files to add	√	
Submit dataset	PI/co-PI/team member completes uploading of files and clicks ' <b>Submit for Review</b> '	√	
	Upon notification, Library admin reviews metadata of dataset: input/edit other important fields and mandatory fields (where necessary) <p>(1) Affiliation                      (2) ORCID identifier                      (3) Keywords</p> <p>(4) Related Publication (adds in APA citation and urls for cross-linking of publications)</p> <ul style="list-style-type: none"> <li>○ Published paper</li> <li>○ Post-print</li> </ul> <p>(5) Notes (provides additional info)</p> <ul style="list-style-type: none"> <li>○ Project title (where available)</li> </ul> <p>(6) Grant Information                      (7) Kind of Data                      (8) Software</p>		√
Publish dataset	Confirm with PI on file access control and terms of use before publishing		√

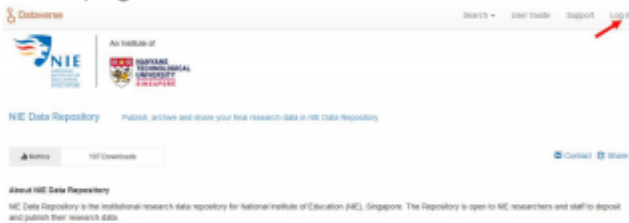
# Quick Start Guide



## NIE Data Repository Quick Start Guide

### Creating Your Account (First Time Login Only)

1. Go to NIE Data Repository <https://researchdata.nie.edu.sg>.
2. Click '**Log In**' at the top right hand corner of the screen.



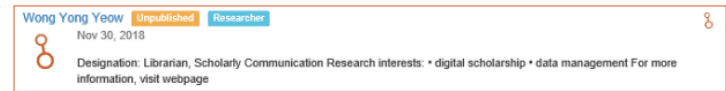
3. Select '**National Institute of Education Windows Login**' from the drop-down menu click '**Continue**'.



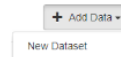
4. Enter your username and password.
5. After logging in, your account information (name and email) will be shown.

### Adding Dataset

1. Click on your name to add a dataset. [*applicable only to PIs*]



2. Click '**Add Data**' and select '**New Dataset**' from the drop-down menu.



3. Fill in the following mandatory fields:

- **Title** (*Title of your research publication*)
- **Author** (*Name*)
- **Contact** (*Email*)
- **Description** (*Enter the abstract of your research publication*)
- **Subject** (*Select from drop-down menu*)

**Note:** Some metadata fields will be auto-filled. For more information on a particular metadata field, hover your mouse over the name of that field.

4. To upload, click '**Select Files to Add**' or drag and drop files into the space.



- customised guide to help researchers get started with data deposit

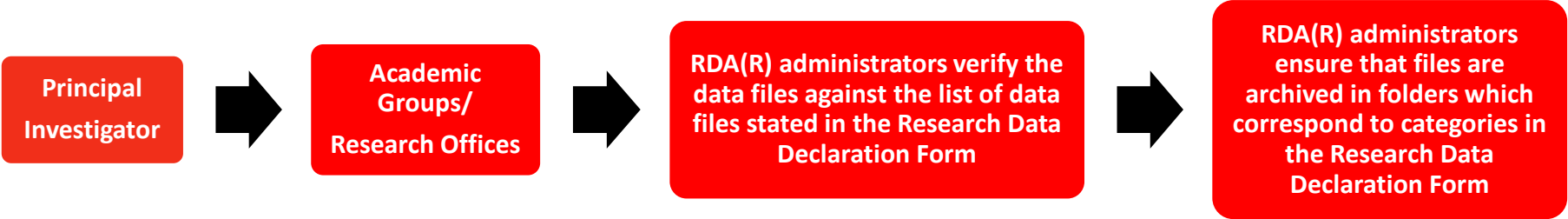
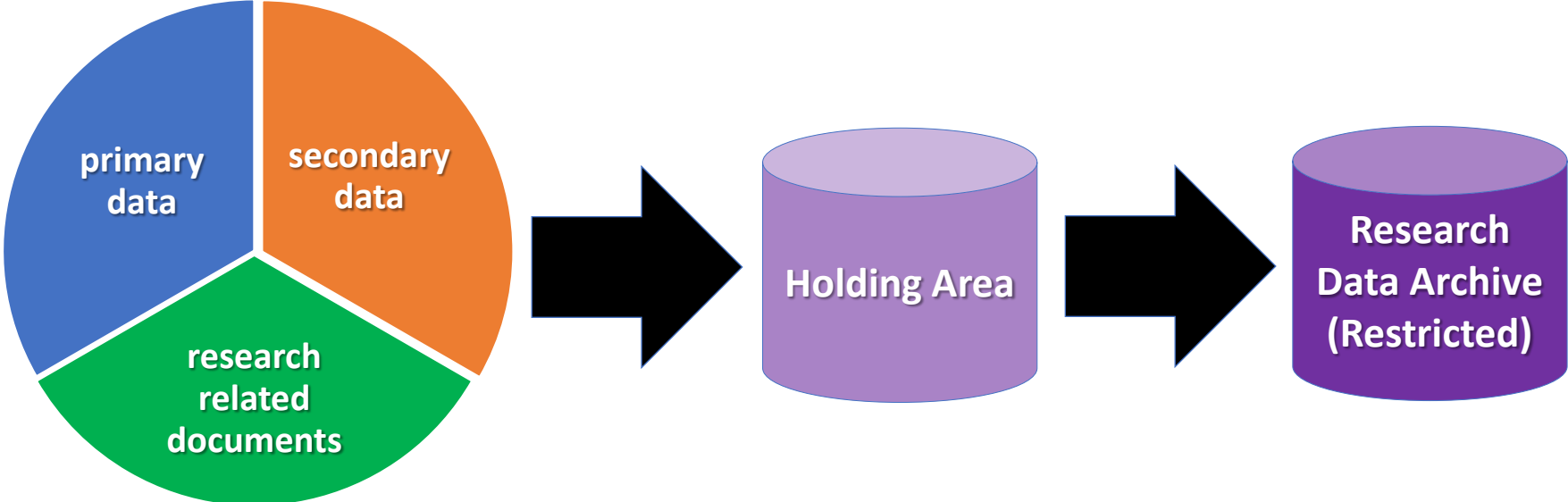




# Research Data Archive (Restricted)



# Workflow



# Issues and Solutions

## Case Study: Creating workspace for research assistants



Alice Tan

NIE Data Repository > Alice Tan

Contact Share Edit

Designation: Research Scientist

Research interests:

- teacher learning and professional development
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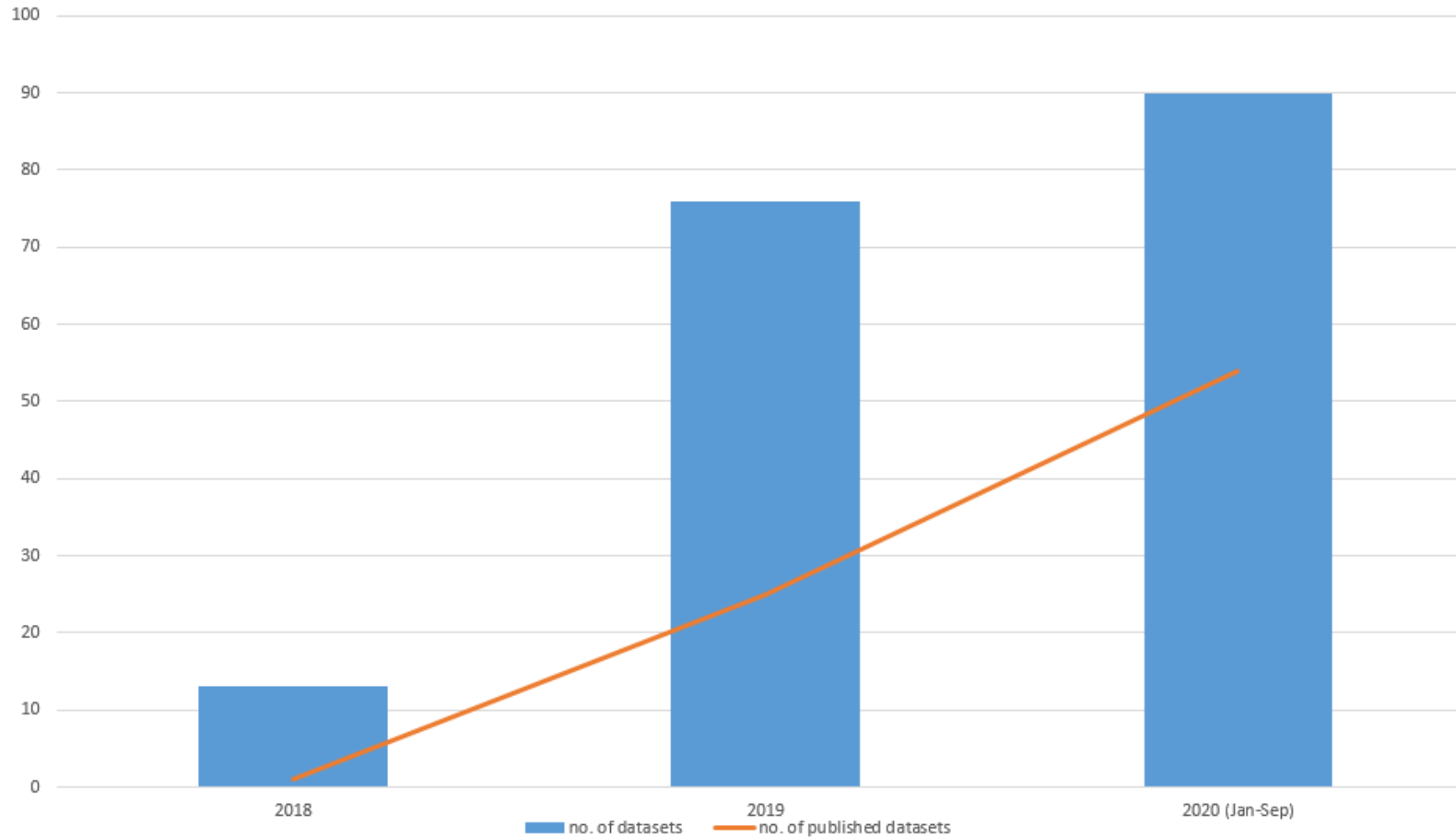
Search this dataverse... Find Advanced Search Add Data



	Add Dataset	View Dataset (Unpublished)	Edit Dataset	Add Dataverse	View Dataverse (Unpublished)	Edit Dataverse	Publish Dataset	Publish Dataverse	Delete Dataset (draft)	Delete Dataverse	Download File	Manage Dataset Permissions	Manage Dataverse Permissions
<b>Researcher</b>	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
<b>Research Asst</b>	✓	✓	✓		✓				✓		✓		
<b>Contributor</b>		✓	✓						✓		✓		



# Statistics

No. of datasets and published datasets related to publications



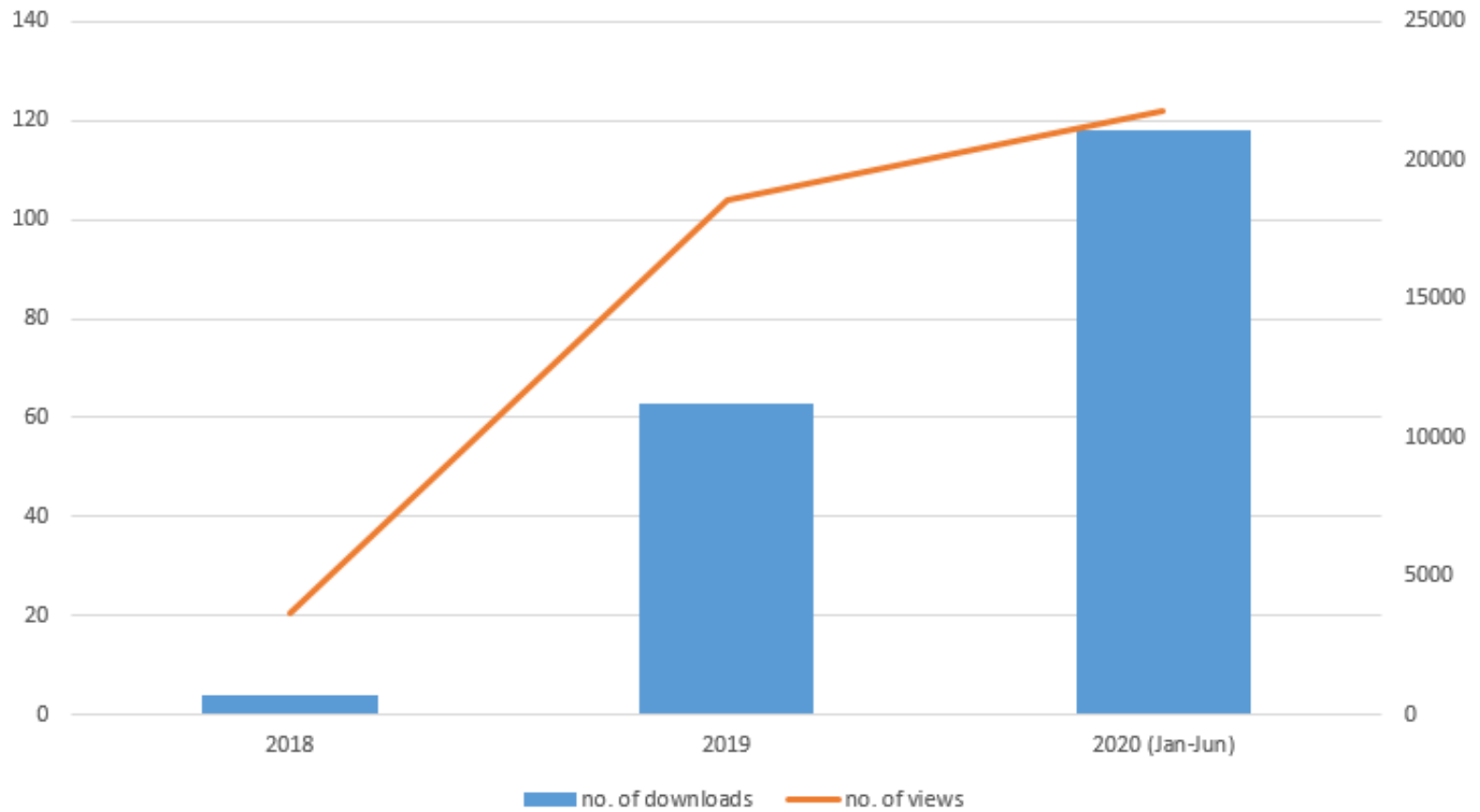
	2018	2019	2020 (Jan-Sep)
 no. of datasets	13	76	90
 no. of published datasets	1	25	54







# Statistics

No. of downloads and views



	2018	2019	2020 (Jan-Sep)
 no. of downloads	4	63	118
 no. of views	3642	18566	21760



# Future Developments/Wish List

- put in place a cross-referencing mechanism among the institutional repositories (digital & data) and the research data archive (restricted) to facilitate review and/or disposal of research data
- automate populating of researcher's profiles
- automate generation of statistics and other reports in data repository



A photograph of a library with rows of bookshelves filled with books. In the foreground, a stack of several books is visible, with their spines and pages clearly shown. The background is slightly blurred, emphasizing the stack of books.

Thank You!