



New Opportunities for Connecting African University Teaching: Open libraries and platforms

*SDG/Agenda 2063 summit thematic track 6:
New approaches to teaching and building capability*

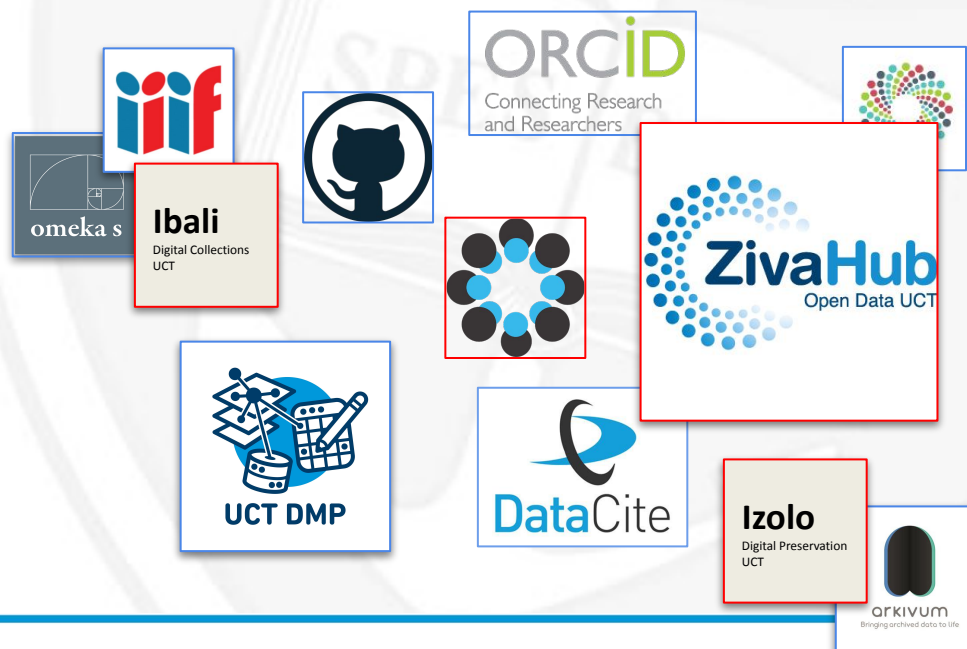
13th September 2021, 14:00 - 15:00

Zoom

UCT Libraries

Digital Library Services

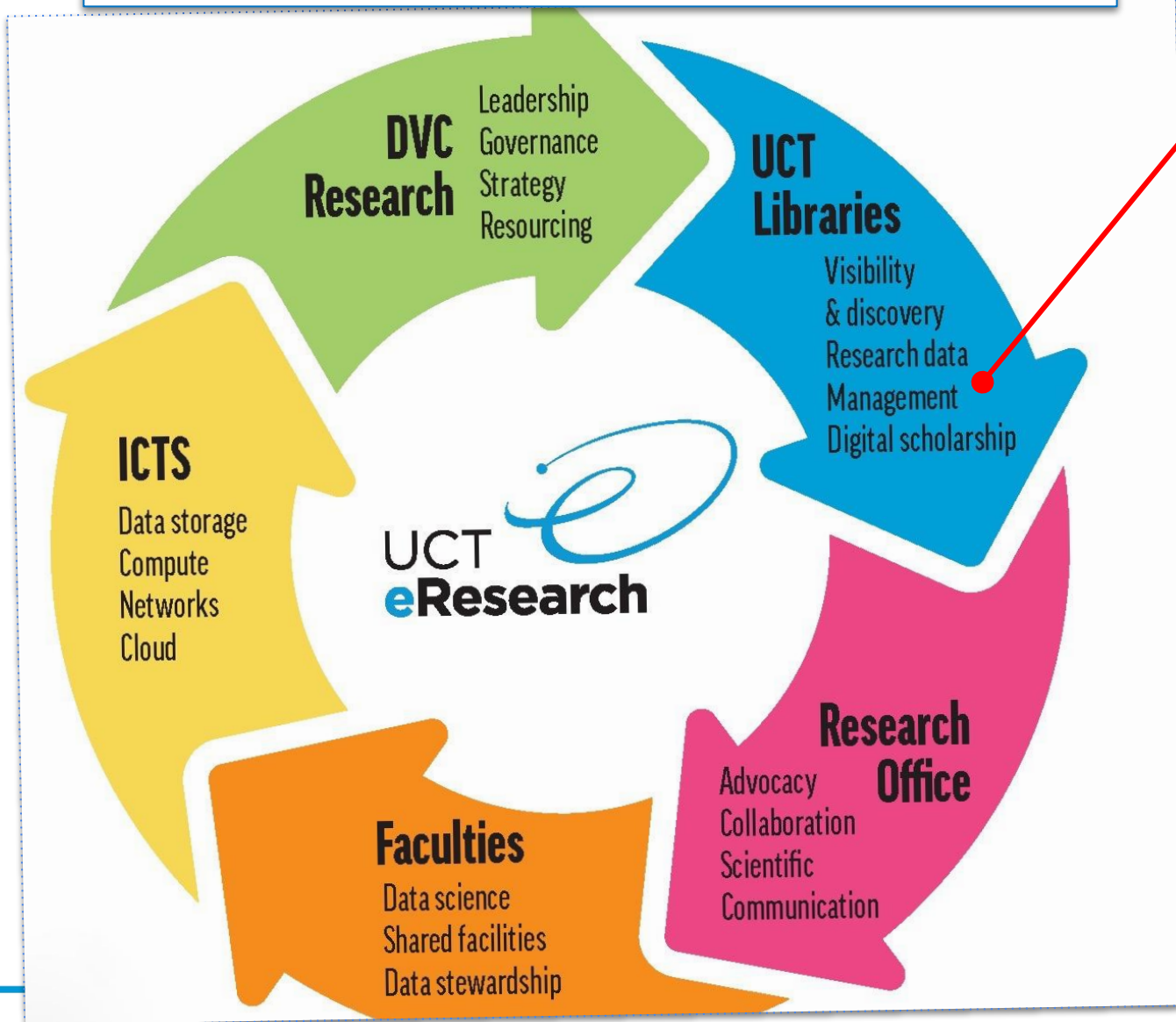
- [Niklas Zimmer](#)
(Manager)



Who are we? What is **DLS**?



DIGITAL LIBRARY
SERVICES



The SDGs and Open Data

“... The UN’s Sustainable Development Goals set an ambitious agenda for progress on the world’s most challenging problems by 2030. To meet those goals, member states will need to draw upon all the resources at their disposal. **Open Data has the potential to be a universal resource to help achieve and measure the SDGs.** As countries around the world work to meet these goals, sharing Open Data and the methods for using it will accelerate progress and help to make the SDGs possible.”

Gurin, Manley and Ariss. 25.09.2015. **Sustainable Development Goals and Open Data.** (Online). Accessible: <https://blogs.worldbank.org/digital-development/sustainable-development-goals-and-open-data>

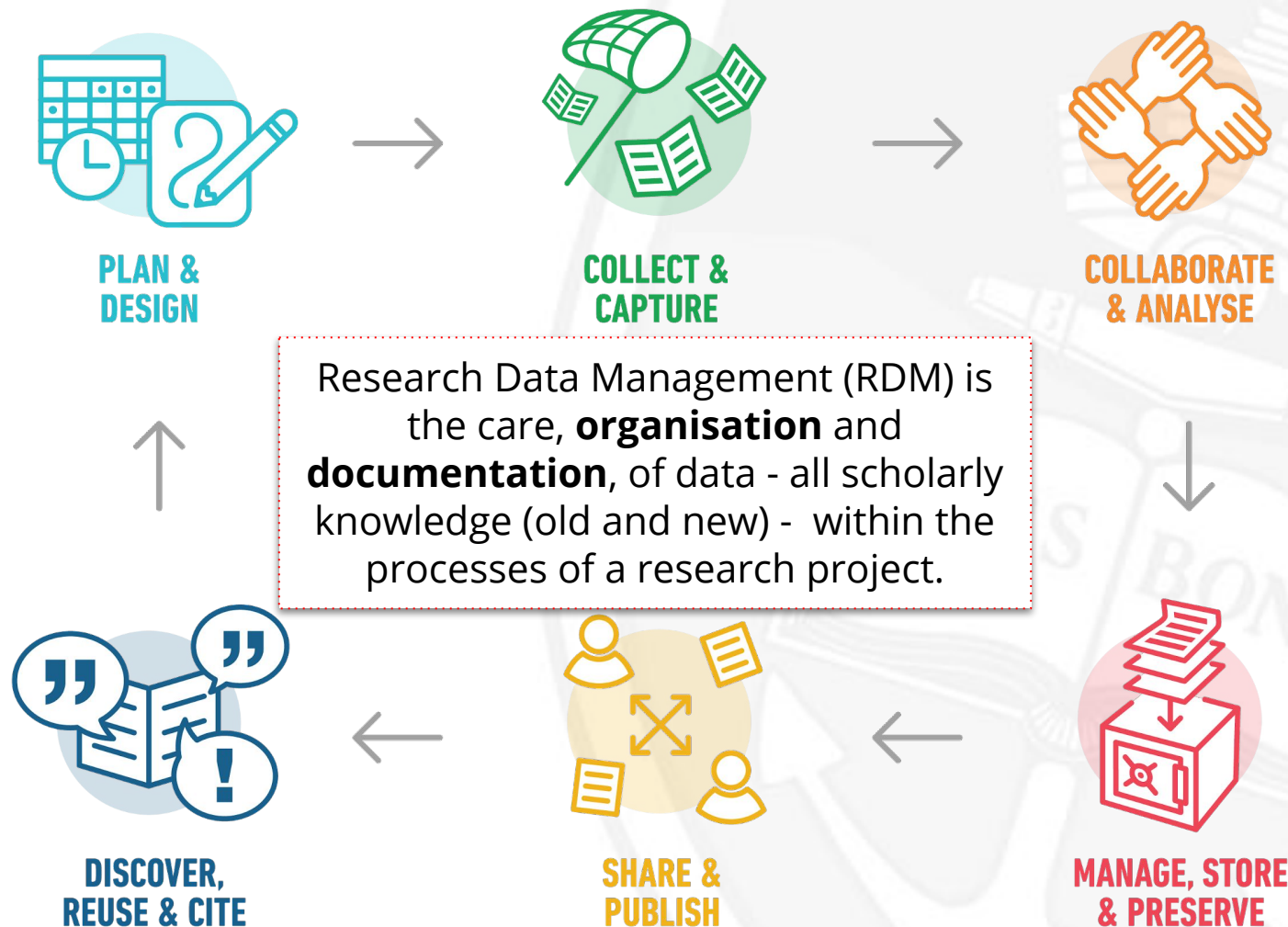
Data = scholarly knowledge



'the factual records (...) used as primary sources for research, and that are commonly acceptable in the research community as necessary to validate research findings'

see: The Canadian Association of Research Libraries Data Management Sub-Committee (2009, p. 4)

The Research Project/Data Lifecycle





Data Management Planning with UCT DMP

<https://dmp.lib.uct.ac.za/>



UCT DMP

<https://dmp.lib.uct.ac.za/>

Use your UCT single-sign on

Useful information is provided at every step.

1. Project Name (0 / 1)

2. Introduction/Type of Study (0 / 1)

3. Description of the Data (0 / 2)

4. Data Collection and Generation (0 / 4)

5. Data Management, Documentation and Curation (3 / 3)

MANAGING, STORING AND CURATING DATA - Briefly describe how data will be stored, backed-up, managed and curated in the short to medium term. Specify any community agreed or other formal data standards used (with URL references).

B *I*    

The data for the collection is currently stored on the scratch server in the following structure.

_admin
A_Personal-texts-relating-to-archive
B_Transcripts

Save

UCT example answer

[SAMPLE ANSWER] Raw data will be stored on a secure external harddrive accessible only by the data collector and the PI. Processed data, with identifiers removed, will be placed on the project's OneDrive account and shared with the full team, including external collaborators. We have adopted the Purdue University guide for file-naming. All data will be backed-up on monthly intervals to the secure external harddrive.

Answered 2 months ago by sanjin.muftic@uct.ac.za

Guidance

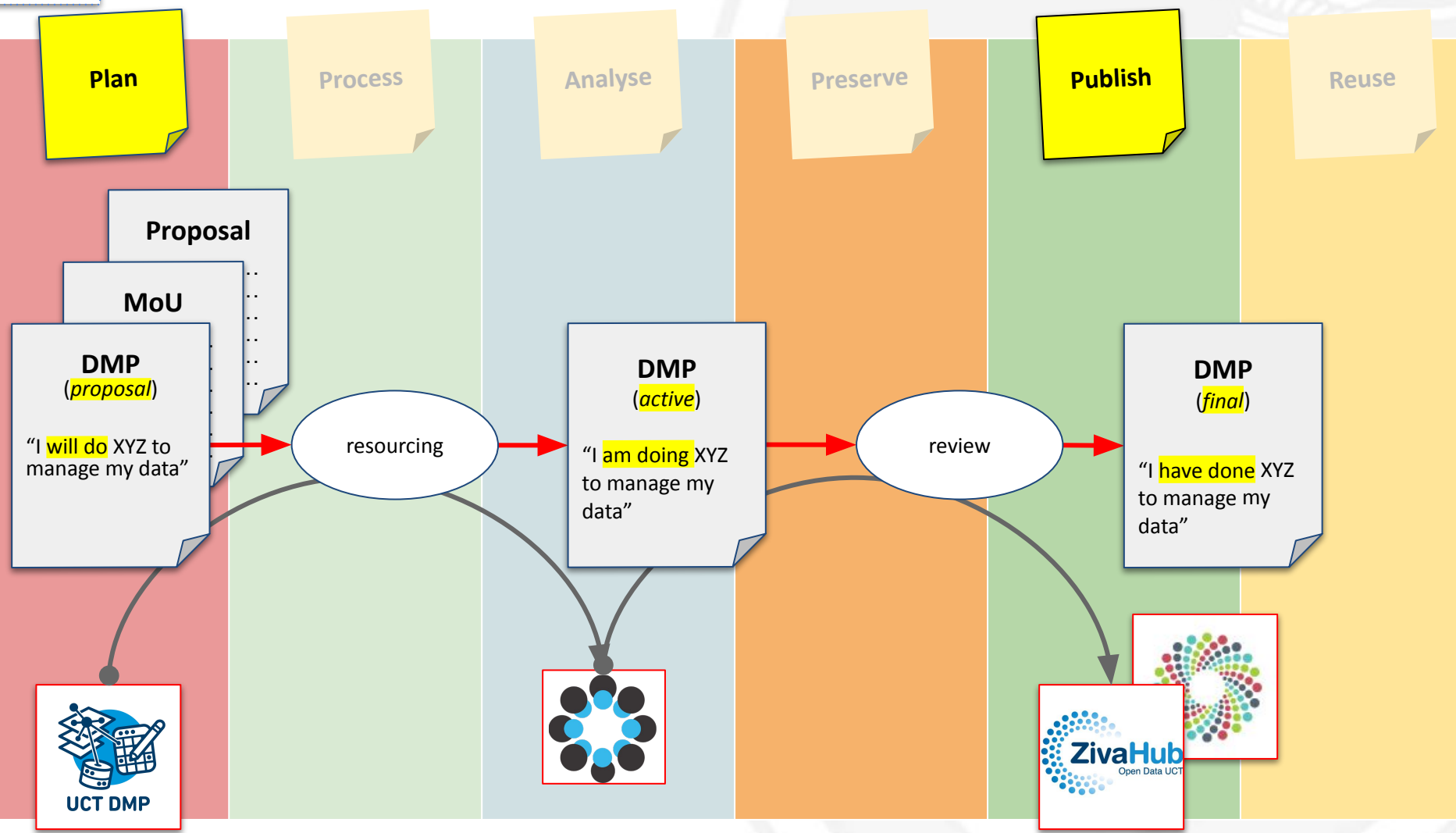
Comments

UCT

Organising and naming your files according to a convention can make your dataset more easily understandable in the future. Jisc and the Association of College Research Libraries have guides on file-naming conventions.

Storing data files (including backups) exclusively on local harddrives may pose a risk of hardware failure, theft, or accidental damage. Consider backing up your data to other secure storage locations, such as the UCT G-Drive, ZivaHub, or off-site storage.

DMPs | Thinking through your data journey





Digital Library Services (DLS)

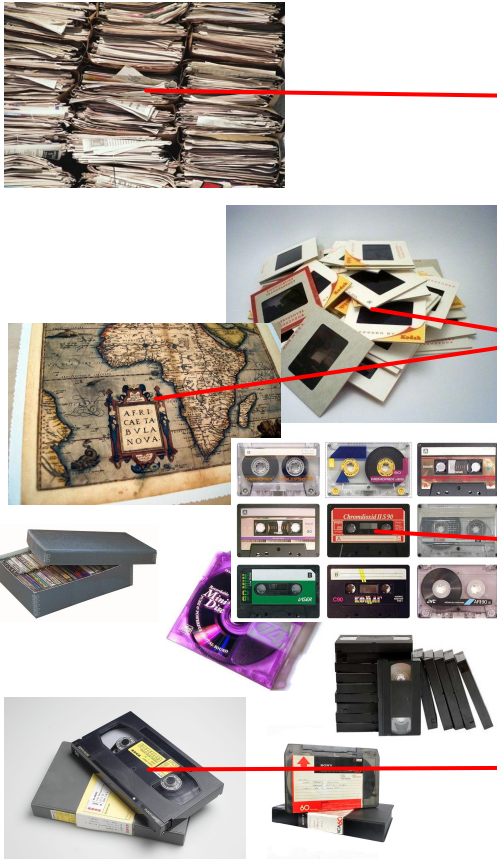
<http://www.digitalservices.lib.uct.ac.za/>



Capture: e.g. Digitisation

<http://www.digitalservices.lib.uct.ac.za/dls/what-we-digitise>

legacy formats



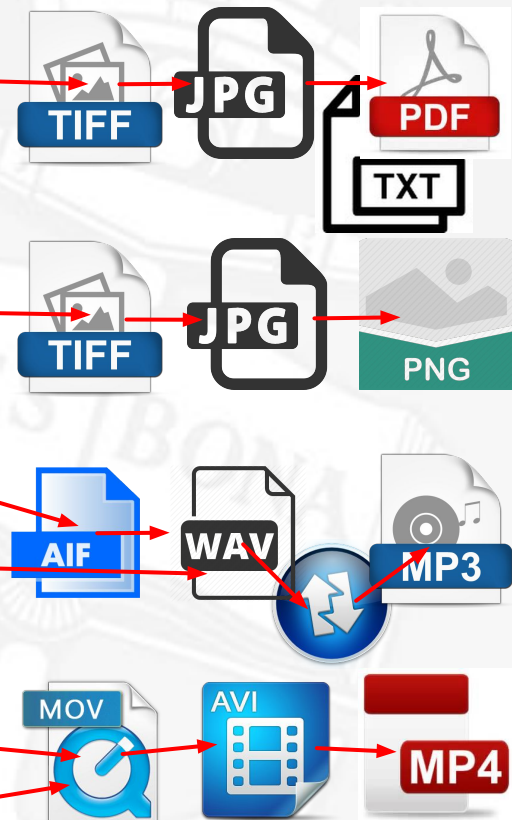
hardware



software



digital files



Collaborate: support for common RDM scenarios

<http://www.digitalservices.lib.uct.ac.za/dls/services/rdm>

Research Data Management

At Digital Library Services we are here to help you with good research data management (RDM) practices and tools at every step of the research process. We provide training and consultations for all members of the UCT community, as well as a lot of resource material for you to engage with. Start by clicking on any of the below steps in the research cycle to learn more about managing your data for your research project or read more about the value of doing RDM below.



PLAN & DESIGN

A myriad of software and hardware options are available to help you collect and capture your data.

[Find out more](#)

COLLECT & CAPTURE



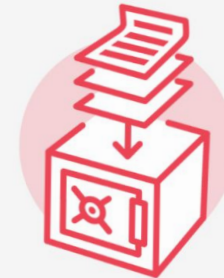
COLLABORATE & ANALYSE



DISCOVER, REUSE & CITE



SHARE & PUBLISH



MANAGE, STORE, PRESERVE

Research data management (RDM) is the documentation and organisation of data (all scholarly knowledge) within the processes of a research project. RDM involves many processes. These include data collection, capture, analysis, collaboration, and publishing.



Collaborate: Where to store? E.g. Cloud

http://www.icts.uct.ac.za/Storage_options

Use your UCT
single-sign on

1. Local Storage
2. Flash Drives
3. Cloud Tools:

a. Microsoft One Drive

i. office.com

b. Google drive

i. go to drive.google.com and enter your UCT address

ii. follow up with your UCT credentials

c. Both:

i. Work from your browser

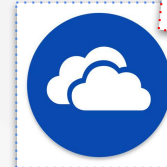
ii. Allow for collaboration

iii. Offer a suite of office tools

iv. Have an app that allows you to create a “local” folder that is synced

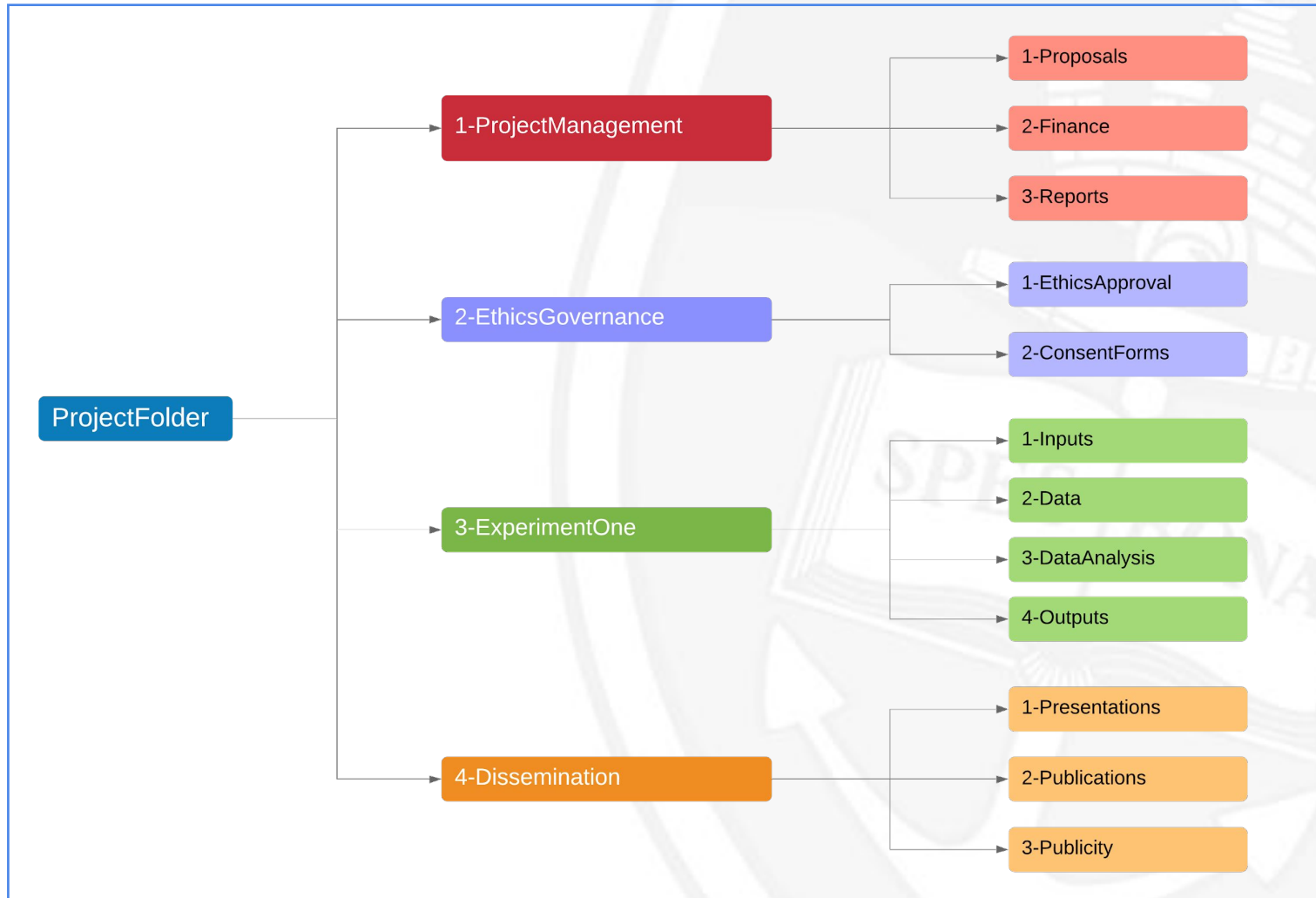
v. Size limit is flexible

d. NB: For sensitive data consider using your UCT storage (F drive) or making a request with e-Research





Collaborate: Organizing your folders



Source: Nikola Vuković available at http://nikola.me/folder_structure.html

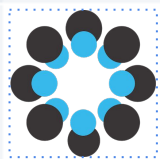




Open Science Framework (OSF) 'RDM dashboard UCT'

<https://osf.uct.ac.za>





Open Science Framework (OSF)

RDM dashboard UCT: <https://osf.uct.ac.za>

Use your UCT
single-sign on

Research Methods PRACTICAL in Clinical and Health Psychology
- PSYM17-CH-107 - 2019 Spring

Contributors: Tamas Nagy, Zoltan Kekacs

Date created: 2019-02-11 01:24 AM | Last Updated: 2019-04-28 02:46 PM

Category: Project

Wiki

Practical slides can be found here:

<https://drive.google.com/drive/folders/1brpFv87IOft1Uye6zyad9jYSajocFca77usp?usp=sharing>

Files

Name

Modified

Research Methods PRACTICAL in Clinical and Health Psychology - PS...

- Dropbox: Readings and lecture slides to OSF

+ Lecture slides to OSF

+ Mini-exam questions and results

+ readings

- Google Drive: slides

Practical 1 - Managing research projects, introducing OSF:slides 2019-03-18 12:41 PM

Practical 12 - Writing an abstract:slides 2019-04-29 09:38 AM

Practical 2 - Creating online questionnaires:slides 2019-02-18 04:06 AM

Practical 3 - Reading, writing, and citing research papers:slides 2019-02-25 02:14 PM

Practical 4 - Ethical issues in conducting and publishing resear... 2019-03-18 03:48 AM

Practical 5 - Intervention studies and group design:slides 2019-03-18 12:42 PM

Project evaluation rubric:gsheet 2019-04-28 09:18 PM

- OSF Storage (Germany - Frankfurt)

Recent Activity

Tamas Nagy updated file Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

Tamas Nagy updated file Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

Tamas Nagy updated wiki page Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

Tamas Nagy updated wiki page Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

Zoltan Kekacs linked Dropbox folder Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

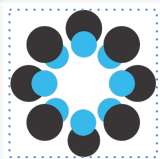
Zoltan Kekacs authorized the Dropbox folder Research Methods PRACTICAL in Clinical and Health Psychology - PSYM17-CH-107 - 2019 Spring

- free, online 'dashboard' platform that allows you to **register** your project, **manage collaborators**, and **centralise data** that might be stored at different locations
- allows **integrations** with Google Drive, Dropbox, OneDrive, figshare, and many more
- provides **unlimited, free storage**
- helps with **creating versions** of your project at different stages ('forking')
- includes **wiki-components** for ease of documentation and description, including the **development of a data dictionary**

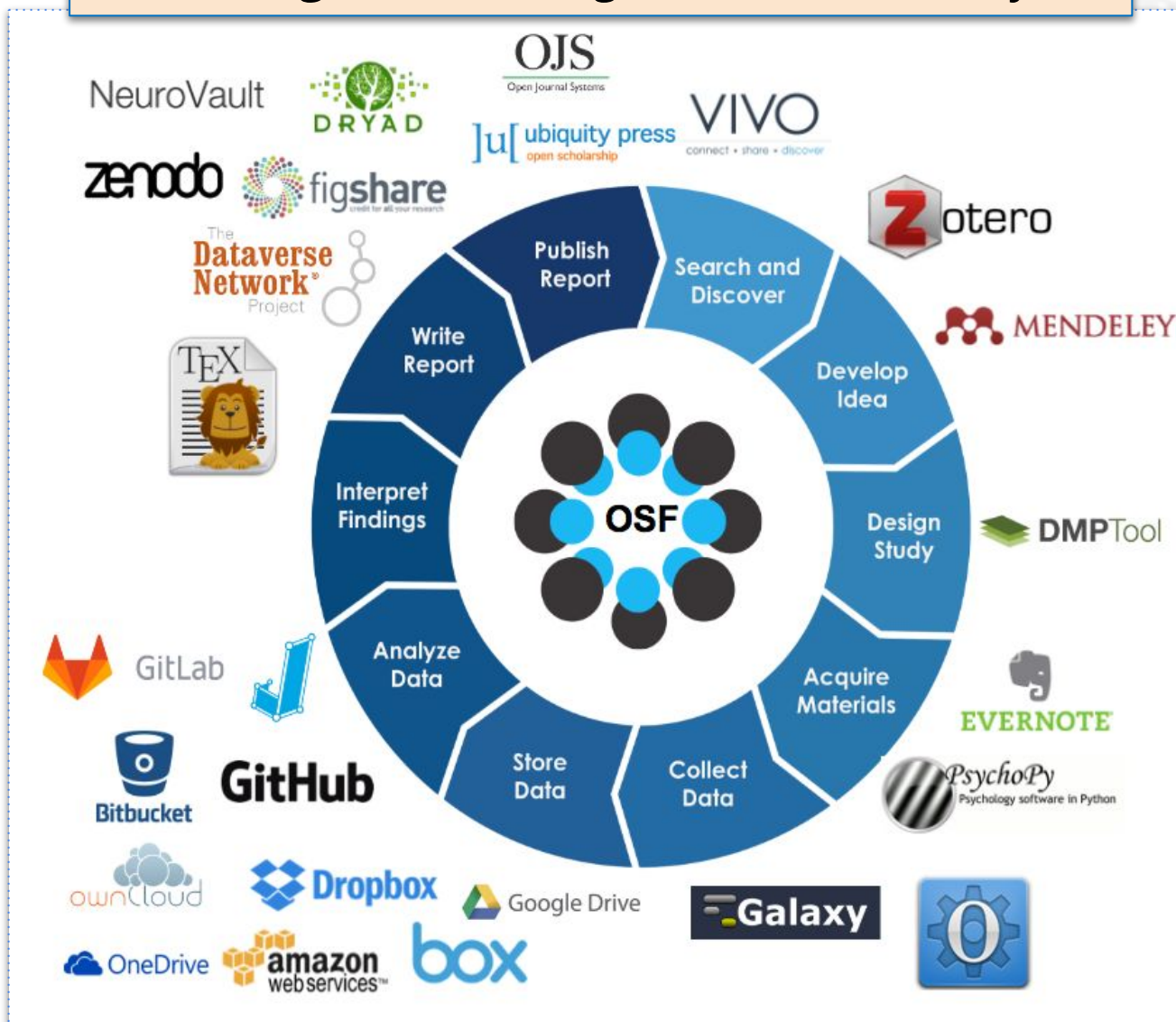
Sheet_1

Show rows with cells including:				
Variable	Variable name	Mesaurement unit	Allowed values	Description
Participant ID number	ID	Numeric	001-999	ID number assigned to participant in sequential order
Group number	GROUP	Numeric	1-30	Group assigned to participant based on ID number
Age in years	AGE	Numeric	18.0-65.0	Age of participant in years
Date of birth	DOB	mm/dd/yyyy	1-12/1-31/1951-1998	Participant's date of birth
Gender	SEX	Numeric	1 = male 2 = female	Participant's gender
Date of survey	SURVEY	mm/dd/yyyy	01/01/2015 - 01/01/2016	When the participant completed the survey
Self-reported consumer spending	SPEND	Numeric	0-100,000,000	Self-reported average yearly expenditure
Market sentiment	SENTIMENT	Numeric	1 = negative 2 = neutral 3 = positive	Sentiment towards US domestic economy
Actual GDP growth	GDP	Numeric	-5.0-5.0	Average US yearly GDP growth





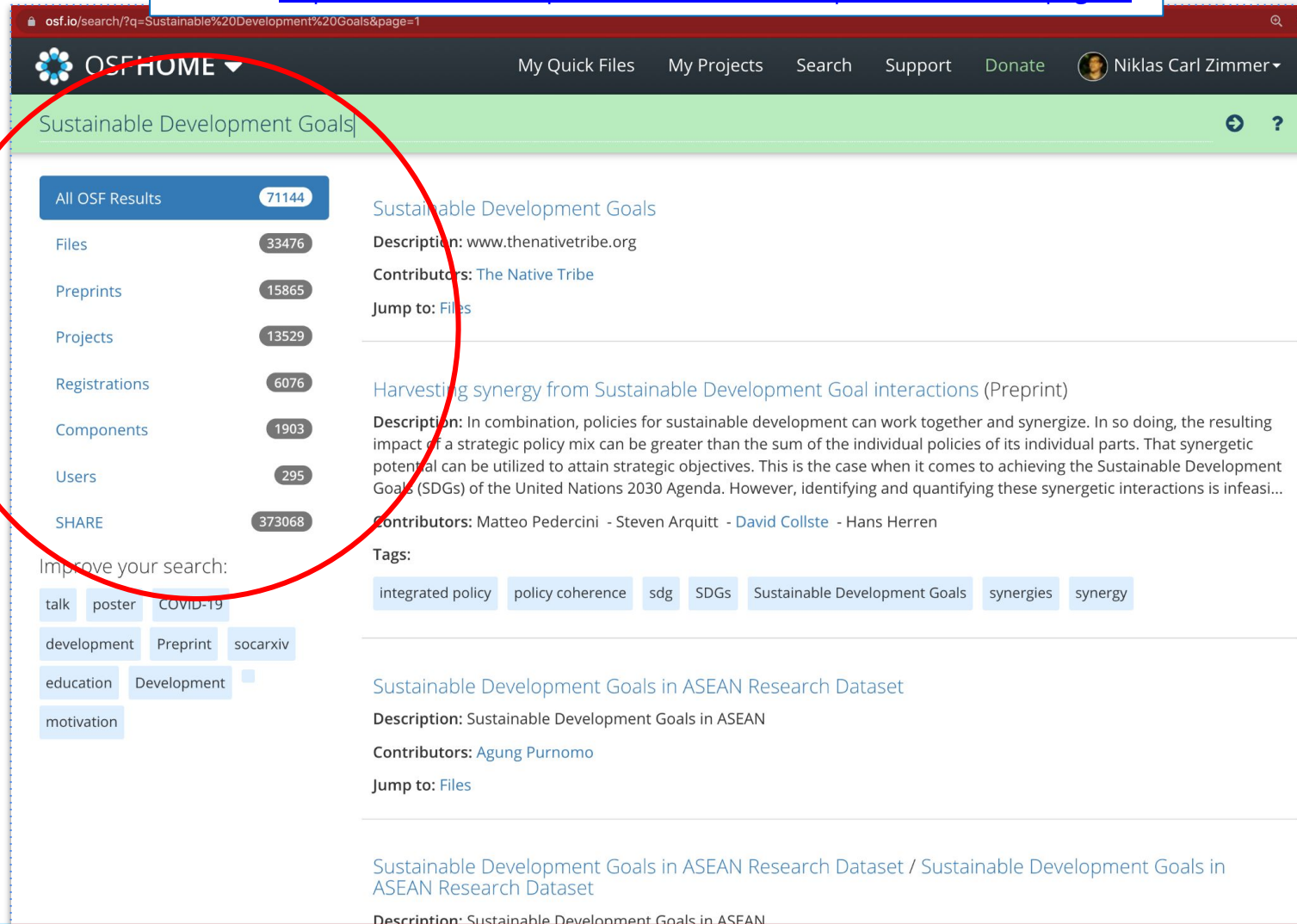
OSF integrations along the research life-cycle





Open Science Framework (OSF)

Search: <https://osf.io/search/?q=Sustainable%20Development%20Goals&page=1>



osf.io/search/?q=Sustainable%20Development%20Goals&page=1

OSF HOME ▾ My Quick Files My Projects Search Support Donate Niklas Carl Zimmer ▾

Sustainable Development Goals

All OSF Results 71144

- Files 33476
- Preprints 15865
- Projects 13529
- Registrations 6076
- Components 1903
- Users 295
- SHARE 373068

Improve your search:

talk poster COVID-19 development Preprint socarxiv education Development motivation

Sustainable Development Goals

Description: www.thenativetribe.org

Contributors: The Native Tribe

Jump to: Files

Harvesting synergy from Sustainable Development Goal interactions (Preprint)

Description: In combination, policies for sustainable development can work together and synergize. In so doing, the resulting impact of a strategic policy mix can be greater than the sum of the individual policies of its individual parts. That synergetic potential can be utilized to attain strategic objectives. This is the case when it comes to achieving the Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda. However, identifying and quantifying these synergetic interactions is infeasible...

Contributors: Matteo Pedercini - Steven Arquitt - David Collste - Hans Herren

Tags: integrated policy policy coherence sdg SDGs Sustainable Development Goals synergies synergy

Sustainable Development Goals in ASEAN Research Dataset

Description: Sustainable Development Goals in ASEAN

Contributors: Agung Purnomo

Jump to: Files

Sustainable Development Goals in ASEAN Research Dataset / Sustainable Development Goals in ASEAN Research Dataset

Description: Sustainable Development Goals in ASEAN





Ibali | Digital Collections UCT

<https://ibali.uct.ac.za>



- **University User (researcher/group) Demand** for
 - Showcasing collections of digital objects
 - “Cool” looking websites
- **Institutional Demand** for
 - Managing online resources of the university
 - Showcasing certain digital objects in special collections
 - A sustainable platform to engage with an audience for digital collections

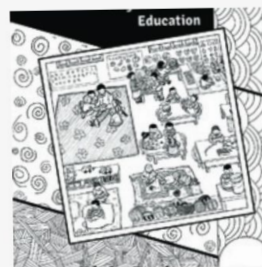
Tour of an Ibali site

<https://ibali.uct.ac.za/s/ccse/page/welcome>

Climate Change & Sustainability Resources

Welcome About Areas of Interest Browse by Category ▼ Add to Library Browse Contact

Featured Resources



What is the Climate Change & Sustainability Digital Library (CCSDL)?

This is a repository of Open Educational Resources (OER's) that focuses on teaching and learning about climate change. The leading purpose is to provide the teaching community (from primary to teacher educators) with relevant text and resources to enhance their teaching practice and courses. You can do general searches using main categories such as climate change topic, foregrounded approach and target audience. Each general category is then broken down into subtopics to help you find your areas of interest.

- Buttons to Navigate Resources
- Resources Grouped in Different Ways
- Jump to resources using controlled vocabularies
- Index to Navigate Topics
- Adding Future Resources from the Public



ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>



ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>

Use your UCT
single-sign on



- a repository to store and openly disseminate data
- powered by *Figshare* for institutions (SaaS)
- keeps track of **views**, **downloads** and **citations**
- provides **universal search & linking** across *all* Figshare platforms in the world

ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>

Browse Search on University of Cap... Upload My data

Sustainable Development Goals

need help? [+ Follow this search](#)

760,374 results found sort by: Relevance

☒ include figshare content

Content Type

- ☐ item (502,792)
- ☐ collection (257,100)
- ☐ project (482)

Select date

Licence

- ☐ CC BY 4.0 (261,509)
- ☐ CC BY-NC 4.0 (155,445)
- ☐ CC BY + CC0 (28,184)
- ☐ In Copyright (19,351)
- ☐ CC BY-NC-ND 4.0 (18,910)

show more

Item Type

- ☐ journal contribution (178,479)
- ☐ dataset (161,624)
- ☐ figure (95,968)
- ☐ thesis (22,603)
- ☐ media (19,102)

Apply filters Reset

Food Insecurity in Nigeria: A threat to the Sustainable...
Preprint posted on 25.10.2019
[Valentine Ndukwu](#)

Integrating the Sustainable Development Goals into Urban Climate Plans...
Presentation posted on 15.03.2021
[Eric Zusman](#)

2020-03- Integration of sustainable development goals i...
Presentation posted on 03.03.2021
[Leticia Ozawa-Meida](#)

Communication 2: Integration of Sustainable...
Conference contribution posted on 15.03.2021
[Leticia Ozawa-Meida](#)

How can space technologies be used effectively for...
Poster posted on 07.07.2020
[Devyani Gajjar](#)

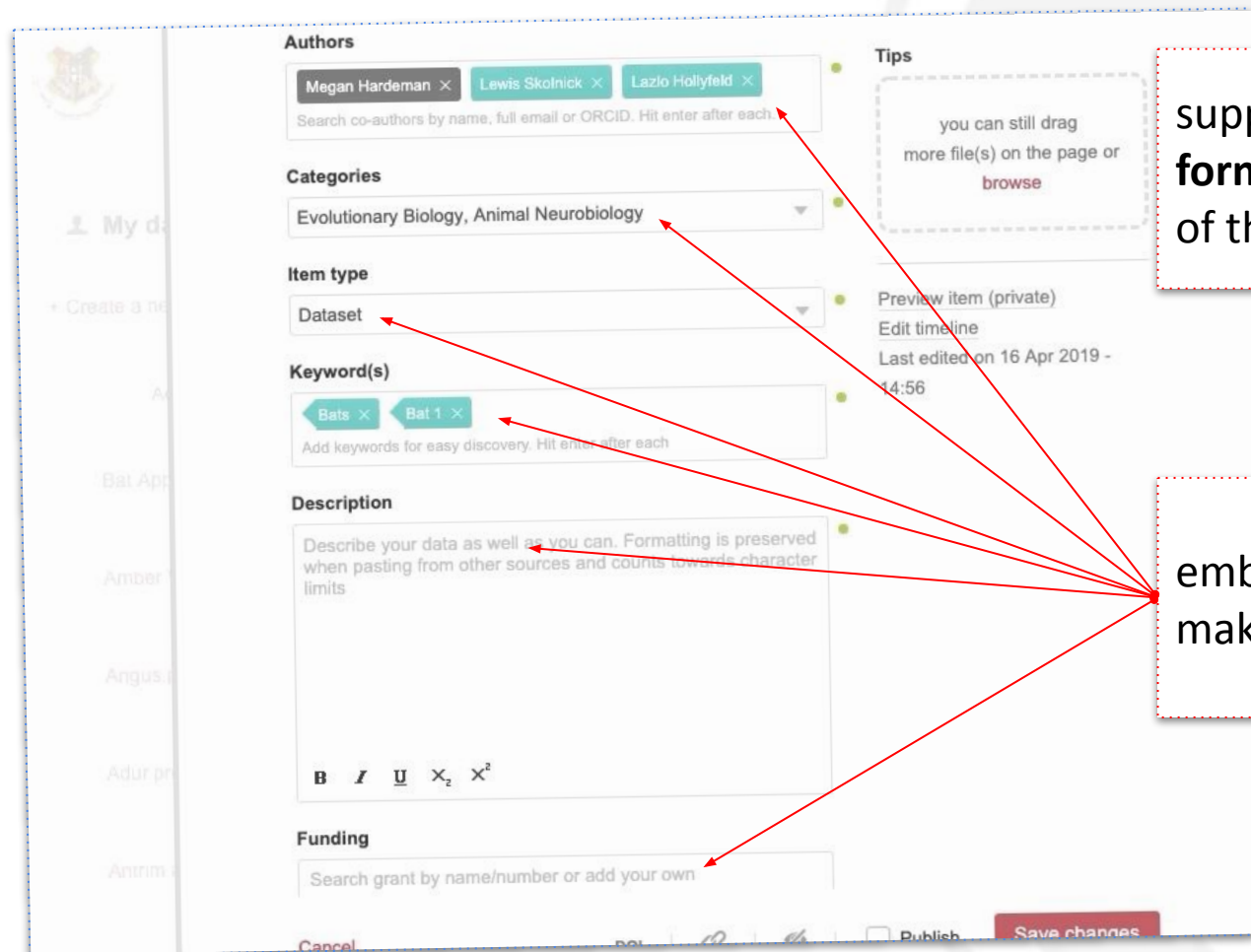
How far has Africa gone in achieving Sustainable...
Preprint posted on 10.10.2019
[Olutosin Otegunrin](#)

Adapting rules for sustainable resource use
Book posted on 06.12.2017
[A Smaijl](#)

Utilising organic wastes and alternative sources of plant...
Chapter posted on 05.02.2019
[Surya Bhattarai](#)

ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>



The screenshot shows the ZivaHub data upload form. Red arrows point from the following fields to a central point on the right:

- Authors:** Megan Hardeman, Lewis Skolnick, Lazlo Hollyfeld
- Categories:** Evolutionary Biology, Animal Neurobiology
- Item type:** Dataset
- Keyword(s):** Bats, Bat 1
- Description:** Describe your data as well as you can. Formatting is preserved when pasting from other sources and counts towards character limits
- Funding:** Search grant by name/number or add your own

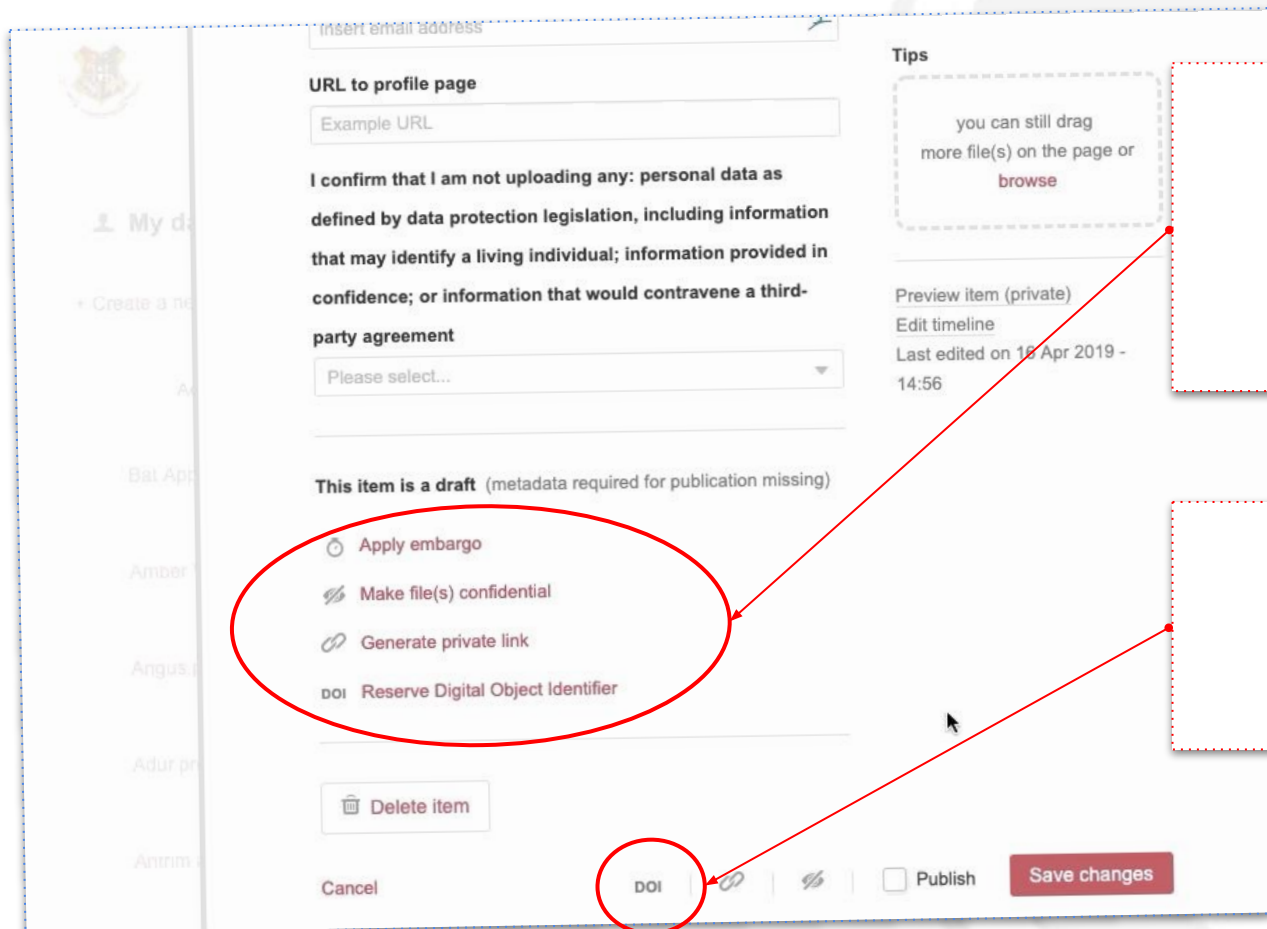
supports the upload of **any file format**, and aims to visualise all of them

embeds relevant **metadata**, to make data **FAIR** compliant

Source: Figshare. End User Guide GIFs. Available: <https://figshare.com/s/b3600c85f576d88d067b>

ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>



insert email address

URL to profile page

Example URL

I confirm that I am not uploading any: personal data as defined by data protection legislation, including information that may identify a living individual; information provided in confidence; or information that would contravene a third-party agreement

Please select...

This item is a draft (metadata required for publication missing)

Apply embargo

Make file(s) confidential

Generate private link

DOI Reserve Digital Object Identifier

Delete item

Cancel

DOI

Publish

Save changes

share data privately with your funders, reviewers, or supervisors before publishing it later

all item records get assigned a **Digital Object Identifier (DOI)**

Source: Figshare. End User Guide GIFs. Available: <https://figshare.com/s/b3600c85f576d88d067b>

ZivaHub | Open Data UCT

<https://zivahub.uct.ac.za/>

We track usage statistics, including views, downloads, citations, and Altmetrics. Citations are measured using [ReadCube](#), a portfolio company of Digital Science.

Tips

you can still drag more file(s) on the page or [browse](#)

Funding

DCAT-AP for Wikibase and Wikidata

+ Add another grant

References

<https://phytopatholres.biomedcentral.com/articles/10.1186/s424>

Licence (what's this?)

- CC BY
- CC BY
- CC-0
- MIT
- GPL
- GPL-2.0
- GPL-3.0
- Apache-2.0

Cancel Publish Save changes

offers a range of **licensing options** when publishing your data openly

Source: Figshare. End User Guide GIFs. Available: <https://figshare.com/s/b3600c85f576d88d067b>

ZivaHub quick guides



Digital Library Services (DLS)
Level 7, J.W. Jagger Library building
dls@uct.ac.za

ZivaHub Quick Guide on Open & Closed Collaboration

ZivaHub, running on the Figshare for Institutions¹ platform, is ISO-certified² as a trusted digital repository. As such, it provides a GDPR-compliant³ environment, meeting the e-privacy and data security regulations of the European Union. Once you are logged in to ZivaHub, you can create a project and invite collaborators to it, including researchers outside of UCT. You can also be invited to other researcher's projects to either view or contribute to their data. In short, the Projects tab is your pathway to collaboration on ZivaHub. Here, we will look in some detail at the two project types:

1. Individual project
2. Group project (recommended)

As the type **cannot be changed after creating a project**, a number of considerations should be made by the project creator when choosing the project type⁴:

1. Whose storage quota should be used - an individual or a UCT department?
2. Who will be the owner of the data once the project is completed?
3. Who will be reviewing items shared by non-UCT users?

This table presents a simple comparison between Individual and Group project types:

	Individual	Group (recommended)
Storage	Everyone uses their own quota and account storage. For UCT users: 20GB, for non-UCT users with a standard figshare.com account: 5GB.	Submitter's quota will not be used, storage allocation comes directly from the project. ⁵
Ownership of data	The individual who uploaded the data owns the data at all times. People take their data with them if they leave the project.	All work is stored on institutional storage and remains within the project space if people leave. After the departure of any team members, the project creator becomes the owner of the data item.
Review	Items published by users from outside the organisation don't have to go through review (if review is turned on for the group).	Items published by users from outside the organisation have to go through review (if review is turned on for the group).

¹ See: [figshare continues to focus on security and trust with award of ISO27001 certification](https://figshare.com/institutions)

² ISO 27001 Certification is a specification for an information-security-management-system (ISMS). An ISMS is a framework of procedures & policies that includes all physical, legal & technical controls involved in company information risk management processes, and was developed to 'provide a system for establishing, monitoring, implementing, operating, maintaining, reviewing, and improving an ISMS'.

³ See: <https://gdpr.eu/what-is-gdpr/>

⁴ At DLS, we recommend the creation of a Data Management Plan (DMP) to guide your decision-making process. To assist you with this, UCT hosts an instance of DMPonline, just click here: <https://dmp.lib.uct.ac.za/> and follow the guidance provided online.

⁵ The storage quota is assigned per faculty and by DLS. Project owners should contact [dls](mailto:dls@uct.ac.za) for further details. For projects working with large datasets (beyond 5GB per item) please contact ICTS Data Storage.

Guidance for publishing data on ZivaHub:

- [Open and Closed collaboration](#)
- [Creating Your User Profile on ZivaHub](#)
- [Making your data FAIR with ZivaHub](#)
- [Your data availability statement](#)
- [Getting published on ZivaHub](#)
- [Publishing videos on ZivaHub](#)
- [GitHub integration on ZivaHub](#)
- [The ZivaHub Start-up guide](#)
- [The ZivaHub Item Types](#)

Further info:

- <http://www.digitalservices.lib.uct.ac.za/dls/data-sharing-guidelines>



UCT community of Data Stewards & Champions

<http://www.digitalservices.lib.uct.ac.za/dls/data-stewards>





UNIVERSITY OF CAPE TOWN
 IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

Monday, 13th September 2021



dls@uct.ac.za



[@DigitalUct](https://twitter.com/DigitalUct)



rdm-at-uct.slack.com



[Data Stewards Community](#)

All these tools are
free to use, and
secure (they are
integrated with UCT
single-sign-on)



<http://www.digitalservices.lib.uct.ac.za/>

<https://osf.io/institutions/uct/>

UCT OSF

RDM dashboard UCT

<https://ibali.uct.ac.za/s/ibali/page/welcome>

Ibali

Digital collections UCT

<http://www.digitalservices.lib.uct.ac.za/dls/systems/izolo-digital-preservation-uct>

Izolo

Digital Preservation UCT

<https://zivahub.uct.ac.za/>



<https://dmp.lib.uct.ac.za/>

