

# To IT or not to IT: Embedding digital scholarship skills in a changing world of library work

Research & Information Literacy Skills in the Workplace seminar, CPUT

Thurs 3rd November 09:45 - 10:15  
CPUT Bellville Campus

## UCT Libraries

Division of Information Systems & Resources  
Digital Library Services

- [Niklas Zimmer](#)  
(Manager)
- [Dr. Sanjin Muftic](#)  
(Digital Scholarship Specialist)



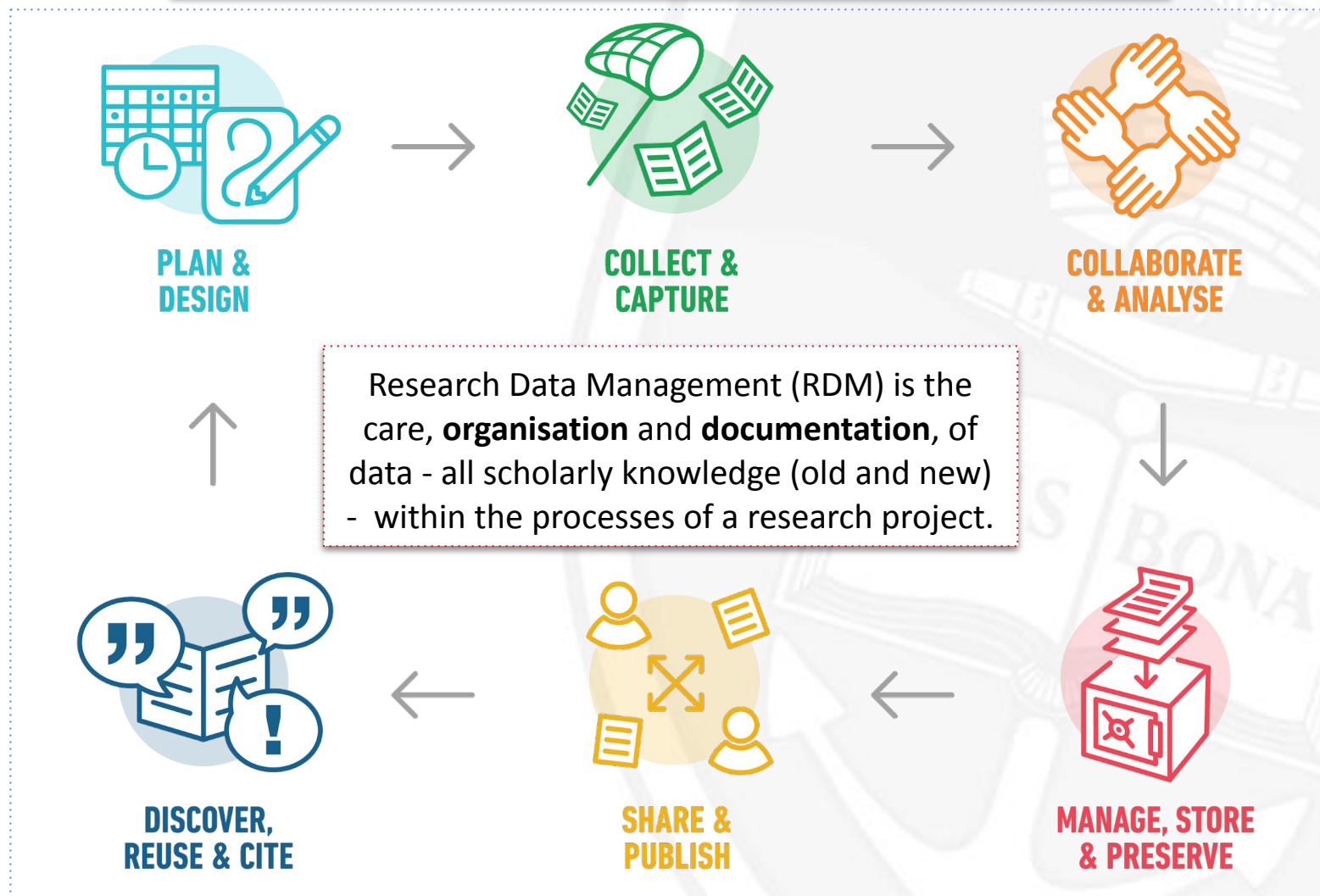
## Past, Present and Future

- a. Niklas:  
*The RDS that we built over the past 7 years*
- b. Sanjin:  
*Digital Scholarship: Practicing and Sharing*

# Niklas Zimmer

*The Research Data Services (RDS)  
that we built over the past 7 years*

# The Research Project Lifecycle

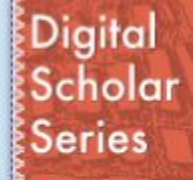


**Ibali** is an online publishing system for showcasing UCT's Digital Collections as semantic websites.



**UCT DMP** is an web-based tool provided to help you develop a data management plan.

**ZivaHub** is the data repository of UCT, for publishing research data and scholarly outputs.



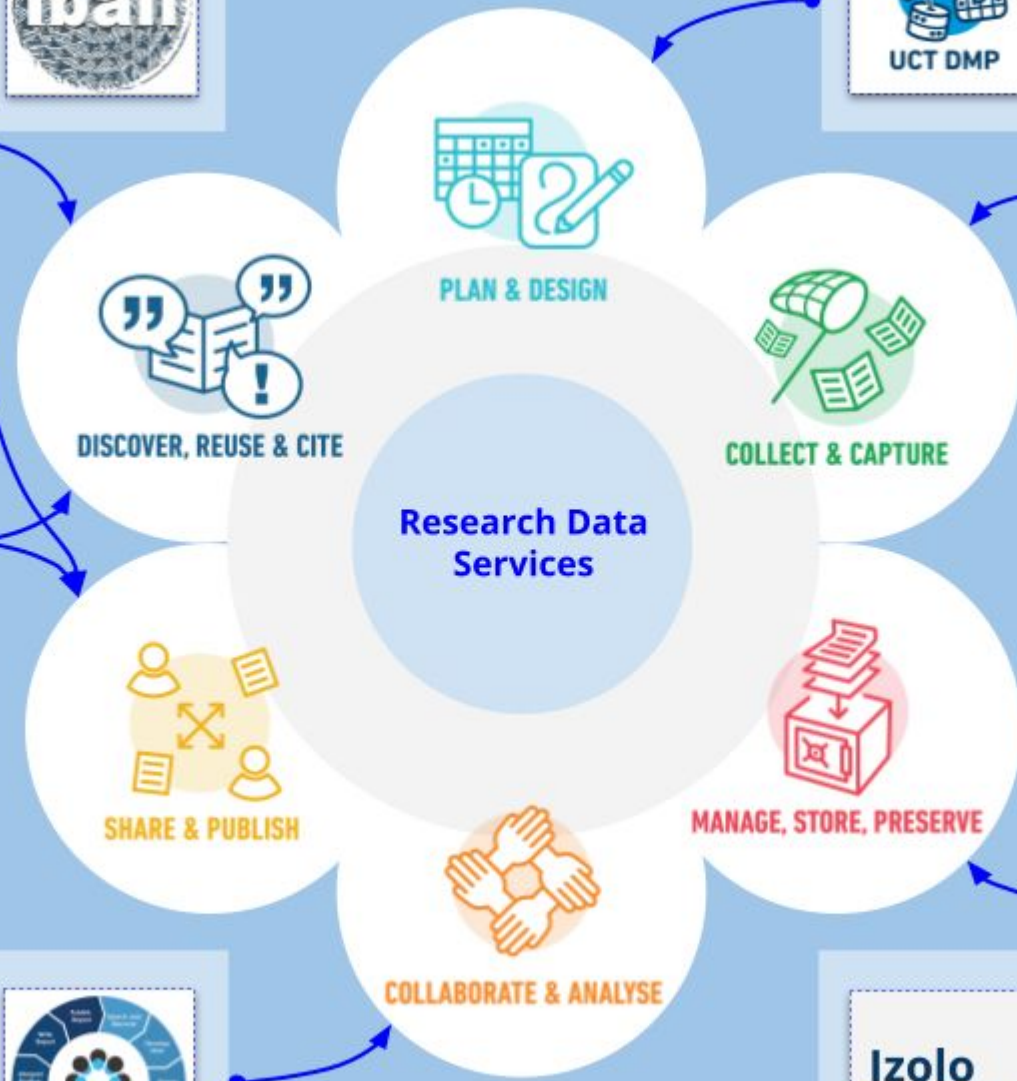
The **Digital Scholarship service** helps you with planning and preparing your projects and managing your data.

**UCT OSF** (Open Science Framework) is a free, online platform that supports your digital research workflow.



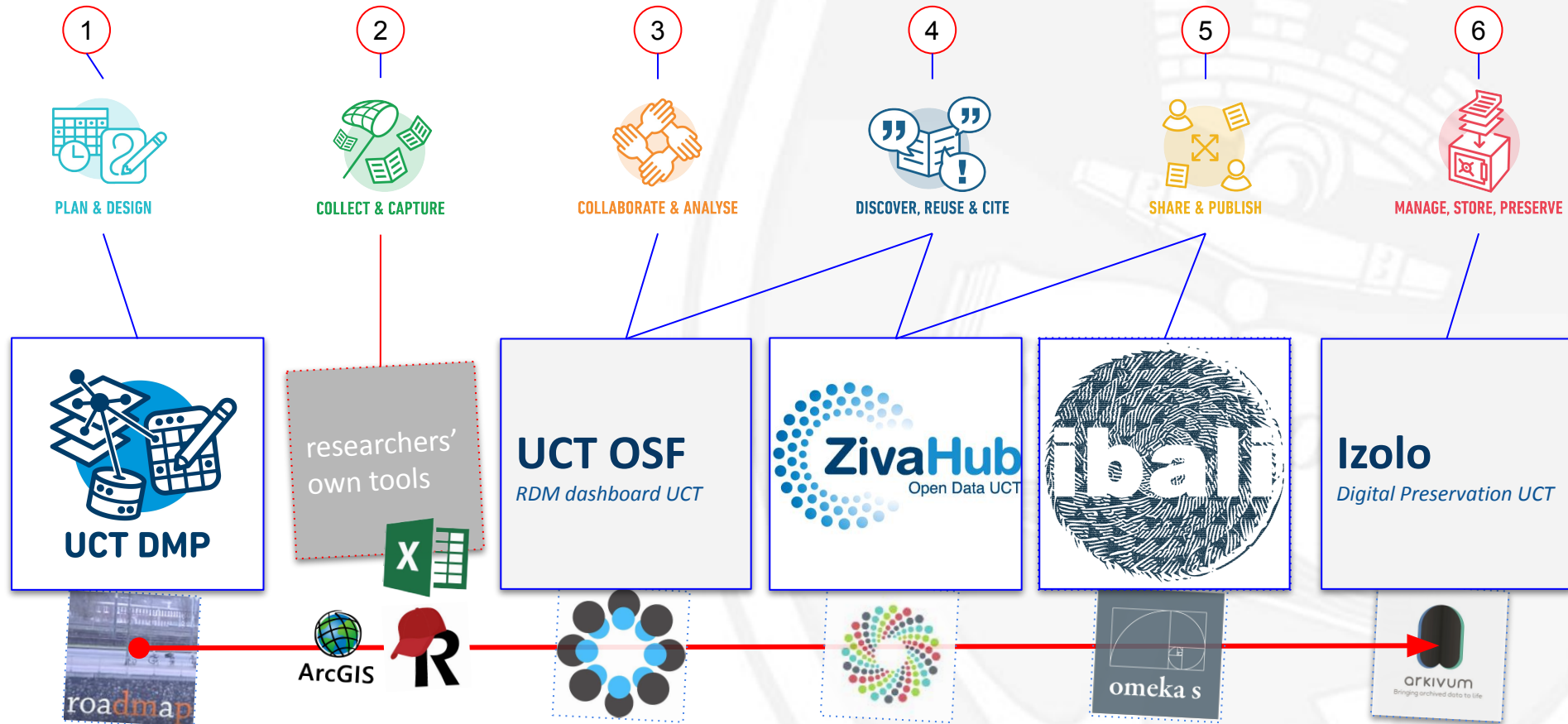
**Izolo** is a UCT-wide digital preservation service, ensuring that your digital files created today can be used tomorrow.

For further information, contact the **Digital Library Services (DLS) team**



# Research Data Services at UCT Libraries

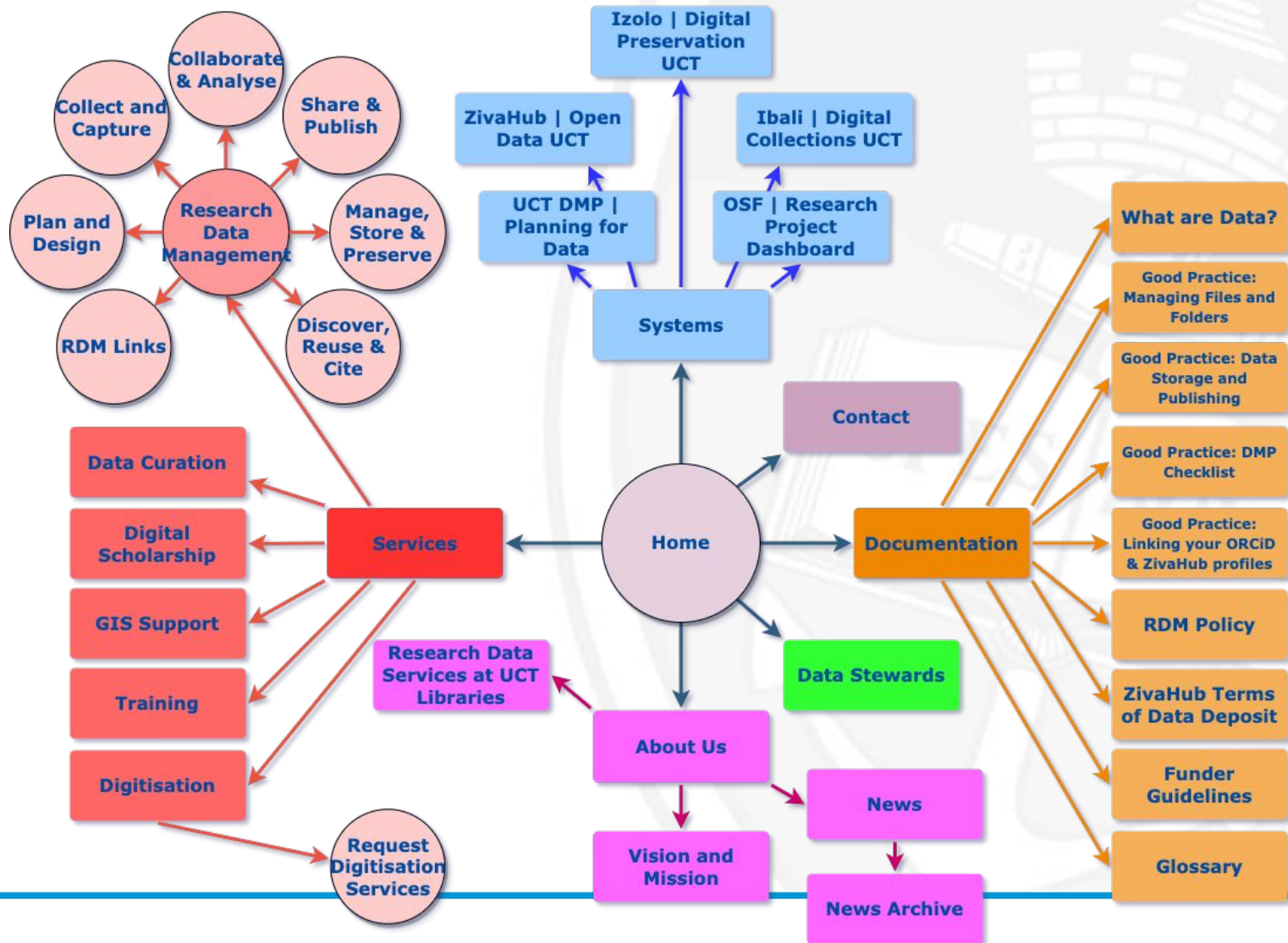
Systems and services **for every stage** of the data/project lifecycle



# A brief, historical overview

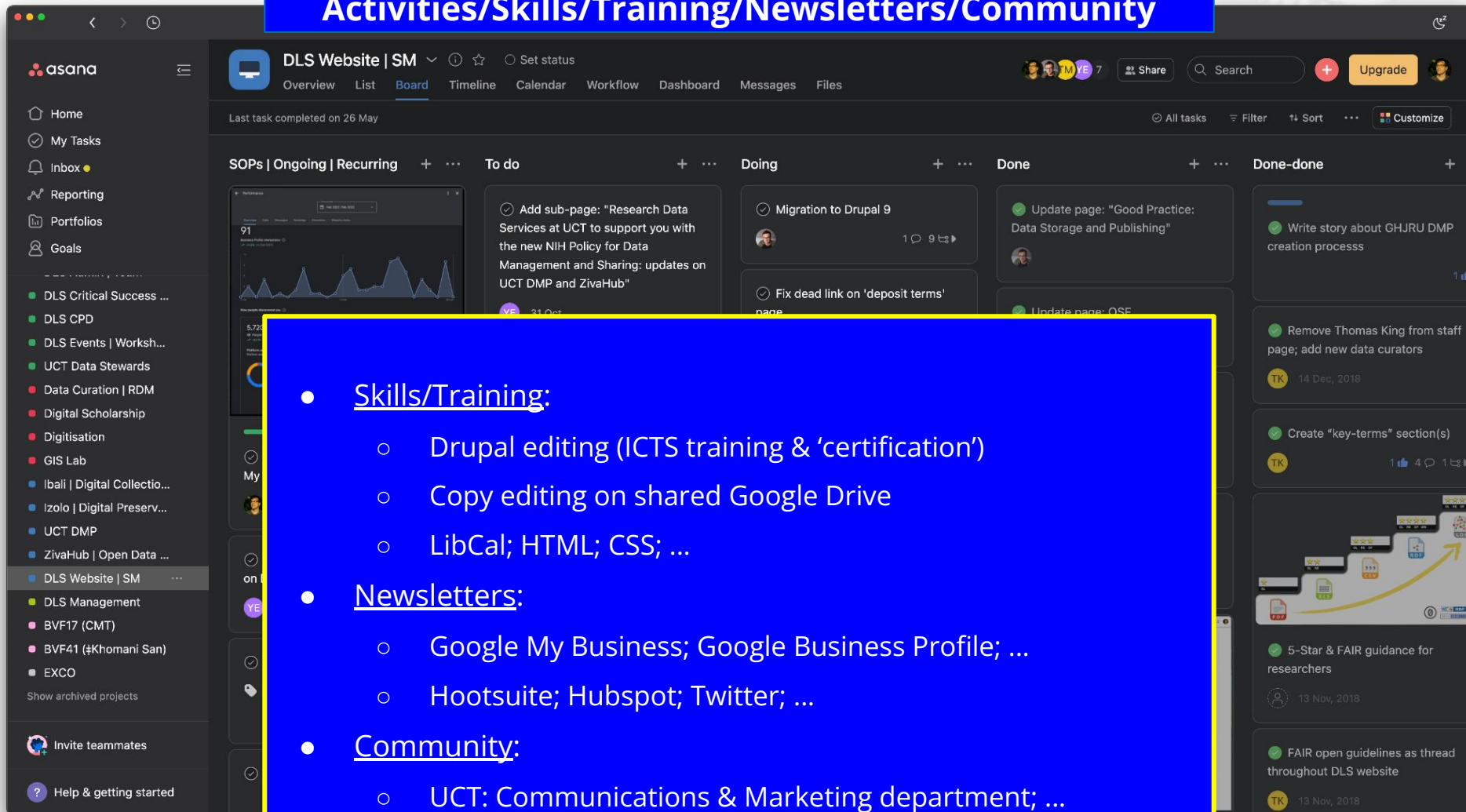
# DLS **services**: Website

A sitemap of: <https://lib.uct.ac.za/digitalservices>



# DLS **services**: Website (online presence)

## Activities/Skills/Training/Newsletters/Community



**Asana Project Board: DLS Website | SM**

Columns: To do, Doing, Done, Done-done

**Tasks:**

- To do:**
  - Add sub-page: "Research Data Services at UCT to support you with the new NIH Policy for Data Management and Sharing: updates on UCT DMP and ZivaHub"
- Doing:**
  - Migration to Drupal 9
  - Fix dead link on 'deposit terms' page
- Done:**
  - Update page: "Good Practice: Data Storage and Publishing"
  - Update page: QSE
- Done-done:**
  - Write story about GHJRU DMP creation process
  - Remove Thomas King from staff page; add new data curators
  - Create "key-terms" section(s)
  - 5-Star & FAIR guidance for researchers
  - FAIR open guidelines as thread throughout DLS website

- Skills/Training:
  - Drupal editing (ICTS training & 'certification')
  - Copy editing on shared Google Drive
  - LibCal; HTML; CSS; ...
- Newsletters:
  - Google My Business; Google Business Profile; ...
  - Hootsuite; Hubspot; Twitter; ...
- Community:
  - UCT: Communications & Marketing department; ...
  - UCTL: Social Media Working Group; ...

# DLS **services**: Digitisation

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

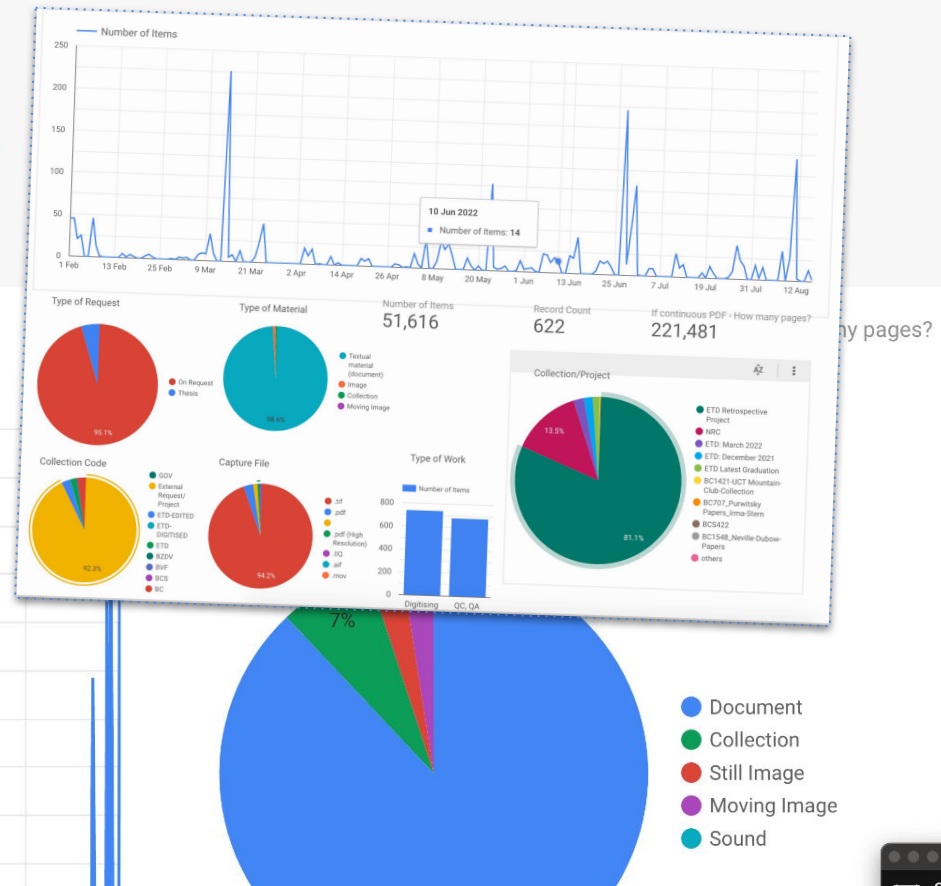
## Digitisation

We offer **digitisation for curation and preservation** services for a wide variety of audio-visual, photographic and paper documents to enable and support long-term preservation of, and access to, digital collections. We digitise objects according to international archival preservation and access standards. We also transcode, edit, and curate born-digital objects.

## Request for Digitisation

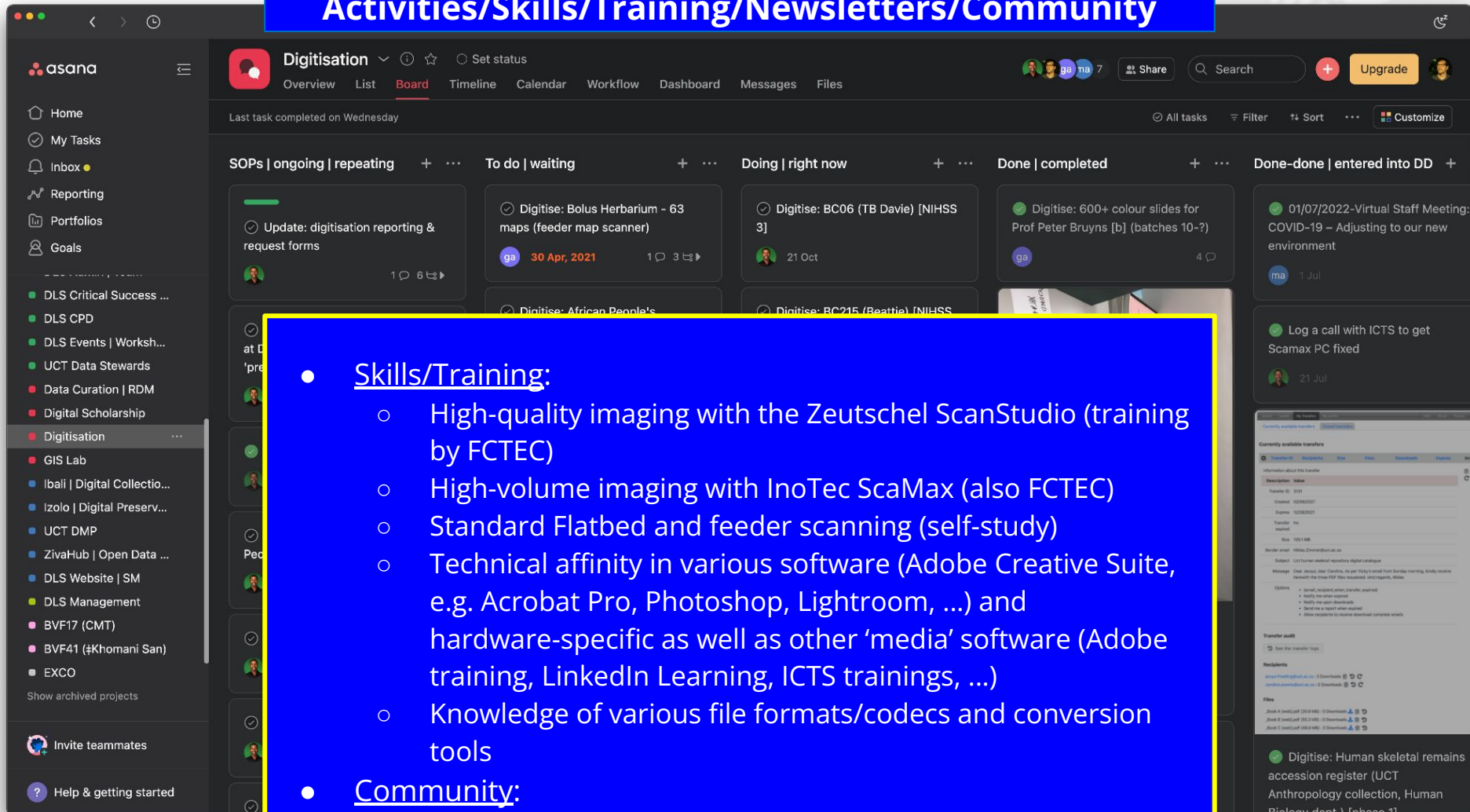
Find out more about making a **request for our digitisation services**.

## Our Digitisation Stats



# DLS **services**: Digitisation

## Activities/Skills/Training/Newsletters/Community



The screenshot shows the Asana interface for a project named 'Digitisation'. The project is organized into columns: 'SOPs | ongoing | repeating', 'To do | waiting', 'Doing | right now', 'Done | completed', and 'Done-done | entered into DD'. Tasks include 'Update: digitisation reporting & request forms', 'Digitise: Bolus Herbarium - 63 maps (feeder map scanner)', 'Digitise: BC06 (TB Davie) [NIHSS 3]', 'Digitise: 600+ colour slides for Prof Peter Bruyns [b] (batches 10-?)', '01/07/2022-Virtual Staff Meeting: COVID-19 - Adjusting to our new environment', and 'Log a call with ICTS to get Scamax PC fixed'. A blue overlay box in the foreground contains the following text:

- Skills/Training:
  - High-quality imaging with the Zeutschel ScanStudio (training by FCTEC)
  - High-volume imaging with InoTec ScaMax (also FCTEC)
  - Standard Flatbed and feeder scanning (self-study)
  - Technical affinity in various software (Adobe Creative Suite, e.g. Acrobat Pro, Photoshop, Lightroom, ...) and hardware-specific as well as other 'media' software (Adobe training, LinkedIn Learning, ICTS trainings, ...)
  - Knowledge of various file formats/codecs and conversion tools
- Community:
  - DPC (Digital Preservation Coalition); NEDCC (Northeast Document Conservation Centre)

# DLS **services**: Data Curation/RDM

<https://lib.uct.ac.za/digitalservices/services/data-curation>

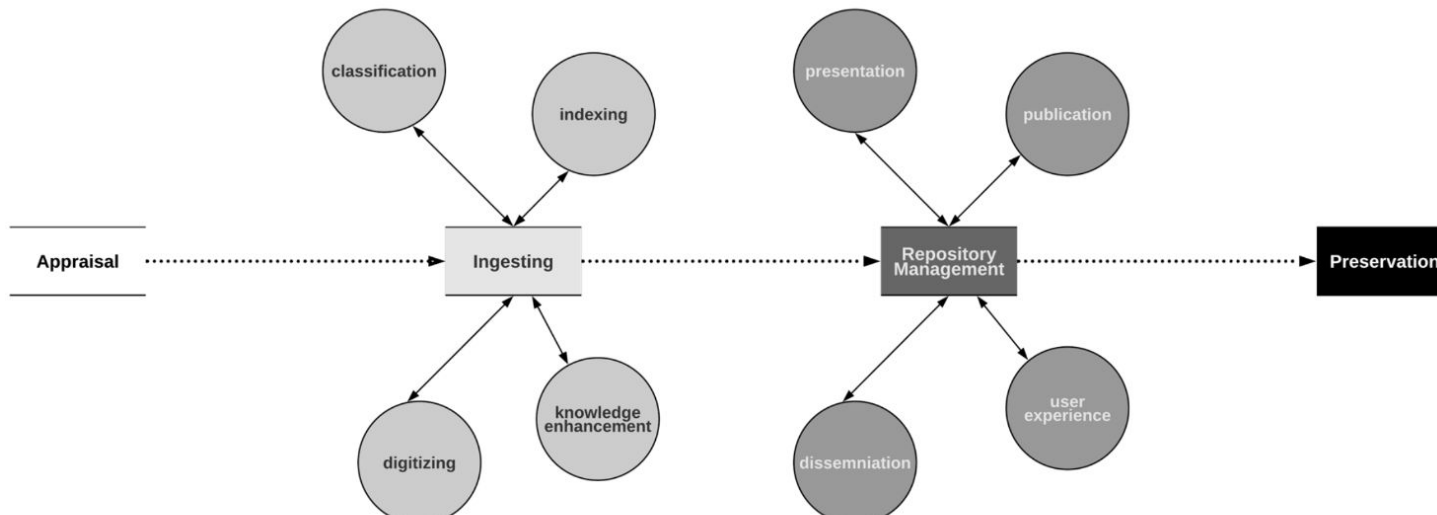
Home > Services

## Data Curation

Data curation is the active management of digital files through their lifecycle to enable discovery and provide for reuse over time. It comprises several processes, including digitisation (conversion of physical media formats into digital files), preservation (ensuring that the files are going to work for a long time), and showcasing (publishing of items for access). Data curation also includes the process of file selection and how to best describe them to ensure that they can be found and re-used.

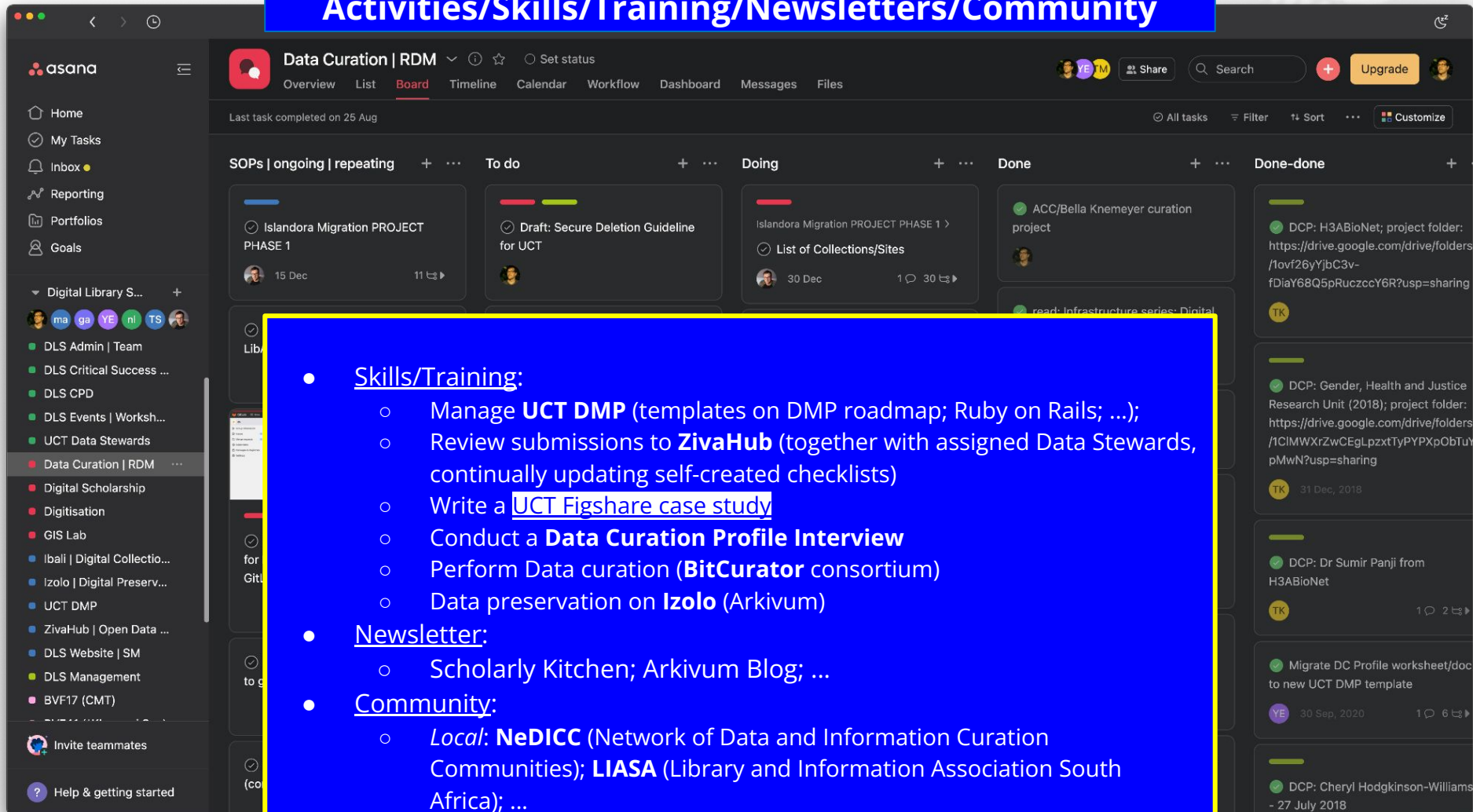
### Data Curation - Digital Resources Lifecycle Management

Adapted from: Constantopoulos, P and Dallas, C. (2006). Aspects of a digital curation agenda for cultural heritage. [online] Available at: <http://www.dcu.gr/wp-content/uploads/2015/10/Aspects-of-a-digital-curation-agenda-for-cultural-heritage.pdf>



# DLS **services**: Data Curation/RDM

## Activities/Skills/Training/Newsletters/Community



The screenshot shows an Asana project board for 'Data Curation | RDM'. The board is organized into columns: 'SOPs | ongoing | repeating', 'To do', 'Doing', 'Done', and 'Done-done'. Tasks include 'Islandora Migration PROJECT PHASE 1', 'Draft: Secure Deletion Guideline for UCT', 'Islandora Migration PROJECT PHASE 1 >', 'List of Collections/Sites', 'ACC/Bella Knemeyer curation project', 'DCP: H3ABioNet; project folder: https://drive.google.com/drive/folders/1ovf26yYjbC3v-fDiaY68Q5pRuczcY6R?usp=sharing', 'DCP: Gender, Health and Justice Research Unit (2018); project folder: https://drive.google.com/drive/folders/1CIMWXrZwCEgLPzxtTyPYPXpObTuYpMwN?usp=sharing', 'DCP: Dr Sumir Panji from H3ABioNet', 'Migrate DC Profile worksheet/doc to new UCT DMP template', and 'DCP: Cheryl Hodgkinson-Williams - 27 July 2018'. The left sidebar shows a navigation menu with options like Home, My Tasks, Inbox, Reporting, Portfolios, Goals, and a list of projects including 'Digital Library S...', 'DLS Admin | Team', 'DLS Critical Success ...', 'DLS CPD', 'DLS Events | Worksh...', 'UCT Data Stewards', 'Data Curation | RDM', 'Digital Scholarship', 'Digitisation', 'GIS Lab', 'Ibali | Digital Collectio...', 'Izolo | Digital Preserv...', 'UCT DMP', 'ZivaHub | Open Data ...', 'DLS Website | SM', 'DLS Management', 'BVF17 (CMT)', 'Invite teammates', and 'Help & getting started'.

- Skills/Training:
  - Manage **UCT DMP** (templates on DMP roadmap; Ruby on Rails; ...);
  - Review submissions to **ZivaHub** (together with assigned Data Stewards, continually updating self-created checklists)
  - Write a UCT Figshare case study
  - Conduct a **Data Curation Profile Interview**
  - Perform Data curation (**BitCurator** consortium)
  - Data preservation on **Izolo** (Arkivum)
- Newsletter:
  - Scholarly Kitchen; Arkivum Blog; ...
- Community:
  - *Local:* **NeDICC** (Network of Data and Information Curation Communities); **LIASA** (Library and Information Association South Africa); ...
  - *International:* **DPC** (Digital Preservation Coalition); **NDSA** (National Data Stewardship Alliance); BitCurator consortium; ...



# DLS **services**: Training

<https://uct.ac.za/libcal.com/calendar/libraryevents>

<https://zivahub.uct.ac.za/Conferences at UCT>

University of Cape Town / UCT Libraries on LibCal / UCT Libraries' Events

## UCT Libraries' Events

Search for event... Date Calendar Category Audience

Filters applied: **Calendar:** UCT Libraries' Events; **Category:** DLS events, DLS events > Digital Scholar

Time Zone: Central Africa Time (change)

**SEP 28** Wed, 1:00pm - 2:00pm Online

### Group Collaboration and Publishing with OSF and ZivaHub - Digital Scholar Series

Working in a research group can be quite exciting and the outputs that come out of collaborative work can be extremely valuable. In this session we look at two platforms provided through UCT... [More](#)

All DLS events > Digital Schol...

91 SEATS LEFT

**NOV 16** Wed, 1:00pm - 2:00pm Online

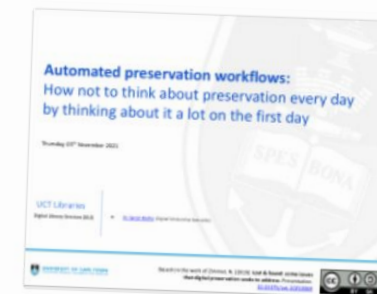
### Session 10 of 2022 - Ibali Indaba

92 SEATS LEFT

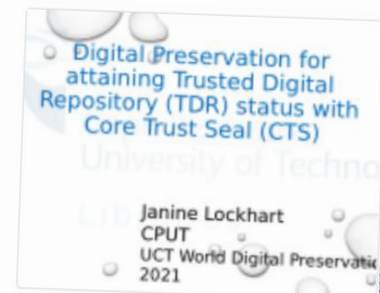
## Discover research from UCT Conference proceedings

73 posts 41,069 views 14,723 downloads more stats

ALL CATEGORIES GROUPS SEARCH



Automated preservation workflows: How not ...



Digital Preservation for attaining Trusted Digital Repository ...



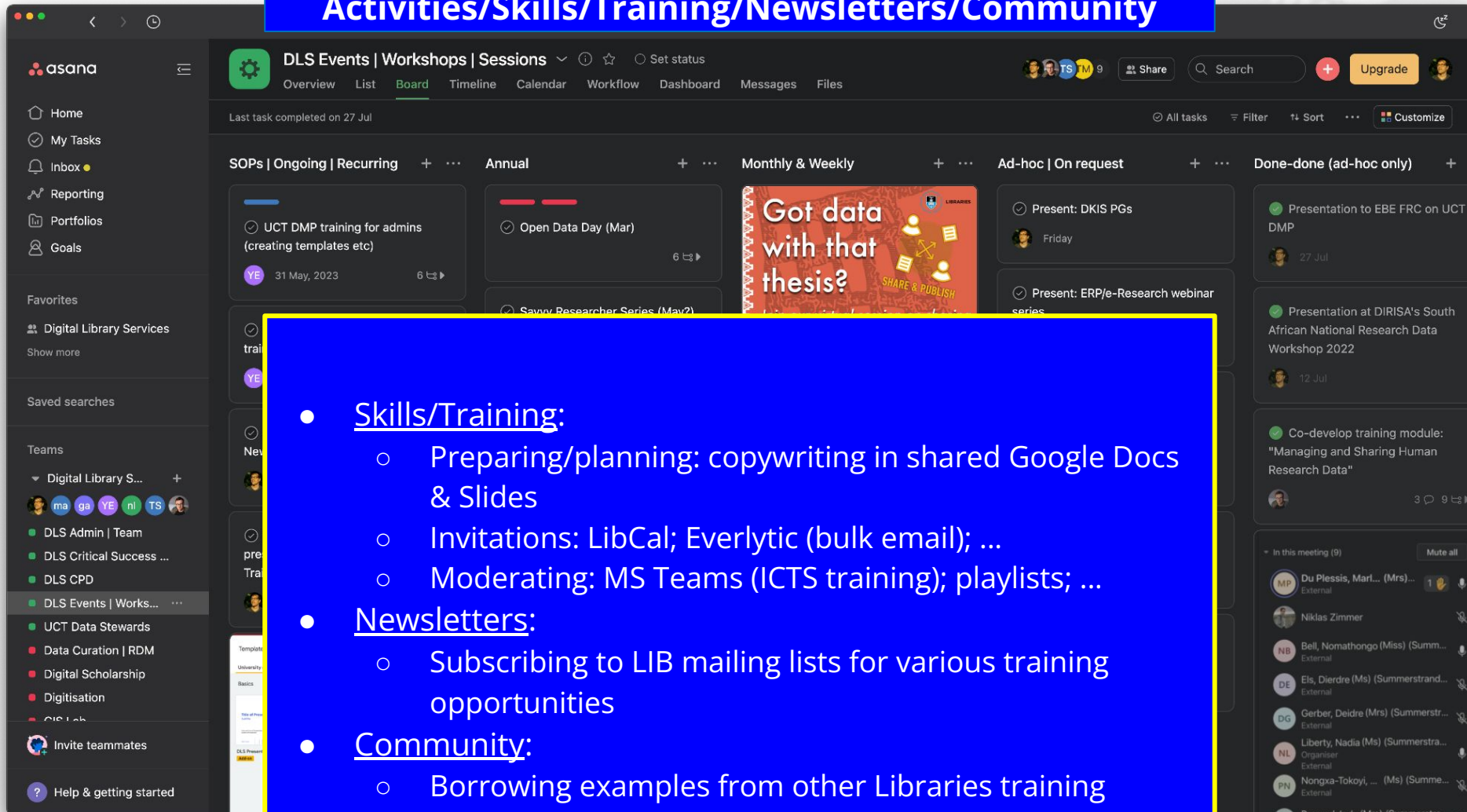
UNIVERSITY OF CAPE TOWN  
IYUNIVESITHI YASEKAPA - UNIVERSITEIT VAN KAAPSTAD

Data Deposit | About Figshare | Features | FAQ | Privacy Policy | Cookie Policy | Terms

Thursday, 3<sup>rd</sup> November 2022

# DLS **services**: Training

## Activities/Skills/Training/Newsletters/Community



**Asana Project Management Tool - DLS Events | Workshops | Sessions**

Overview | List | **Board** | Timeline | Calendar | Workflow | Dashboard | Messages | Files

Last task completed on 27 Jul

Columns: SOPs | Ongoing | Recurring | Annual | Monthly & Weekly | Ad-hoc | On request | Done-done (ad-hoc only)

Tasks visible:

- UCT DMP training for admins (creating templates etc) - 31 May, 2023
- Open Data Day (Mar)
- Present: DKIS PGs - Friday
- Present: ERP/e-Research webinar series
- Presentation to EBE FRC on UCT DMP - 27 Jul
- Presentation at DIRISA's South African National Research Data Workshop 2022 - 12 Jul
- Co-develop training module: "Managing and Sharing Human Research Data"

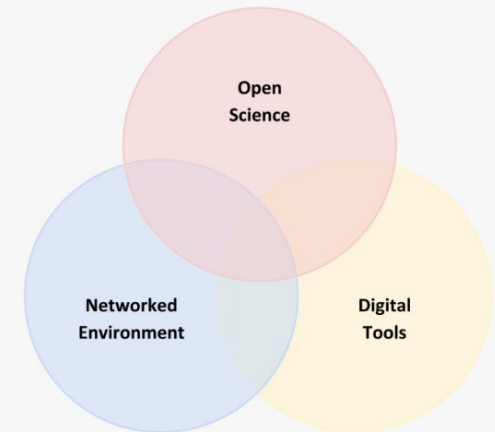
- Skills/Training:
  - Preparing/planning: copywriting in shared Google Docs & Slides
  - Invitations: LibCal; Everlytic (bulk email); ...
  - Moderating: MS Teams (ICTS training); playlists; ...
- Newsletters:
  - Subscribing to LIB mailing lists for various training opportunities
- Community:
  - Borrowing examples from other Libraries training sessions and libguides

## Digital Scholarship

Most of us studying, teaching or researching are digital scholars, because of our regular engagement with digital technologies. These engagements include browsing the internet, listening to recordings of audio interviews, performing data calculations using spreadsheet programmes and re-using other's data thanks to Open Science.

Digital Scholarship may go beyond daily technological interactions, looking at how the combination of digital tools, networked environments, and Open Science can transform and enhance research.

- *How can digital tools help with research analysis?*
- *How can a networked environment help collaborators access data?*
- *How can Open Science enable research continuity?*



DLS offers guidance on a variety of platforms, processes and provides guidance to the diverse tools that enhance digital scholarship practices. Our strength is in being able to translate your digital research desires into concrete needs and requirements. Our support centres around:

- facilitation of best practices in data and metadata documentation
- setting up online exhibition spaces
- enhancing geographic information system projects
- advocating for good research data management and Open Science.

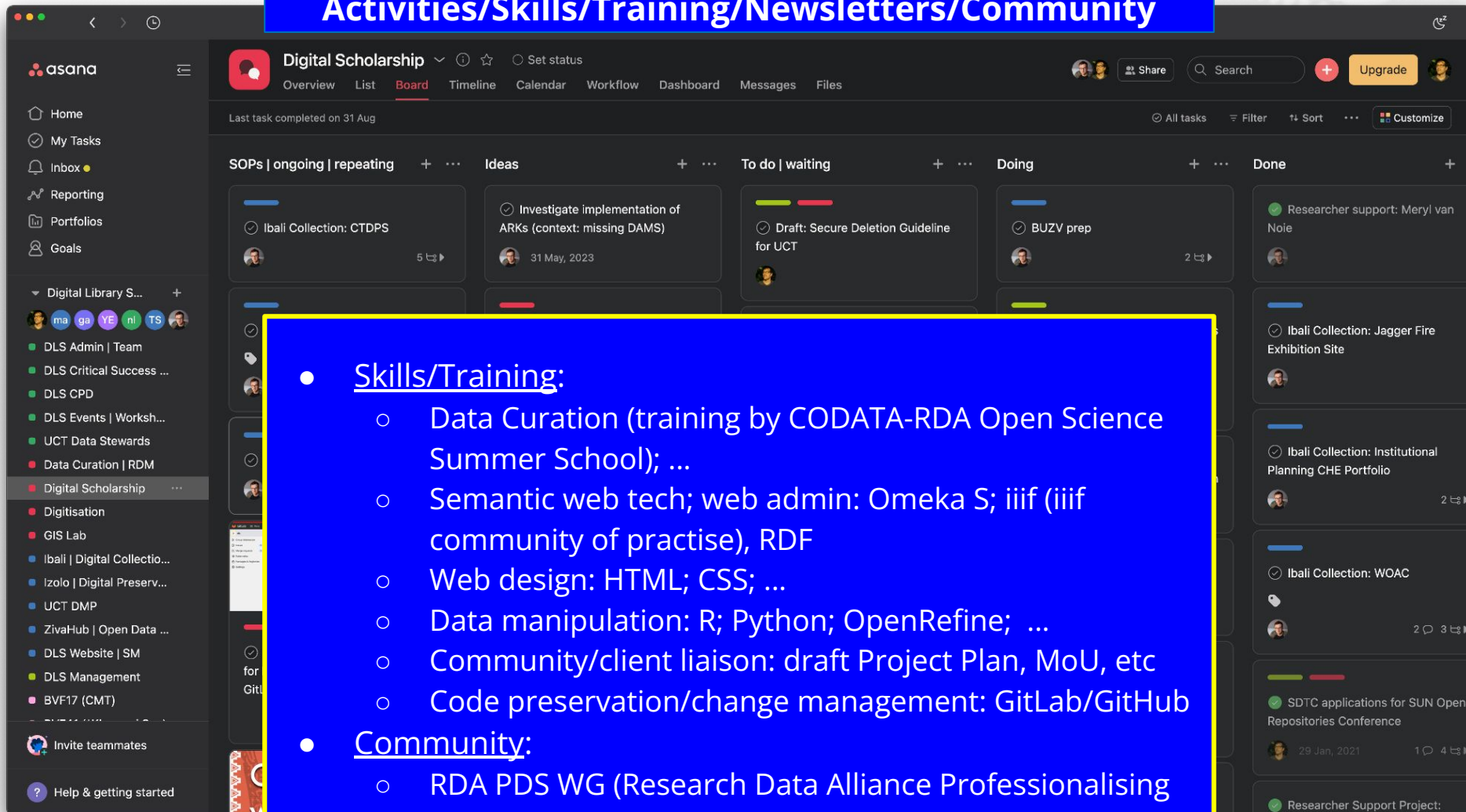
### Digital Tools



Academics and researchers are exposed to numerous research field specific digital tools. Finding open source digital tools with a broad user base simplifies the research process. DLS facilitates interactions between academics, researchers and digital tools. These sessions provide

# DLS *services*: Digital Scholarship

## Activities/Skills/Training/Newsletters/Community



The screenshot shows the Asana interface for a project named 'Digital Scholarship'. The board is organized into columns: 'SOPs | ongoing | repeating', 'Ideas', 'To do | waiting', 'Doing', and 'Done'. Tasks include 'Ibali Collection: CTDPS', 'Investigate implementation of ARKs (context: missing DAMS)', 'Draft: Secure Deletion Guideline for UCT', 'BUZV prep', 'Researcher support: Meryl van Noie', 'Ibali Collection: Jagger Fire Exhibition Site', 'Ibali Collection: Institutional Planning CHE Portfolio', 'Ibali Collection: WOAC', 'SDTC applications for SUN Open Repositories Conference', and 'Researcher Support Project:'. A blue overlay box with a yellow border contains the following text:

- Skills/Training:
  - Data Curation (training by CODATA-RDA Open Science Summer School); ...
  - Semantic web tech; web admin: Omeka S; iiif (iiif community of practise), RDF
  - Web design: HTML; CSS; ...
  - Data manipulation: R; Python; OpenRefine; ...
  - Community/client liaison: draft Project Plan, MoU, etc
  - Code preservation/change management: GitLab/GitHub
- Community:
  - RDA PDS WG (Research Data Alliance Professionalising Data Stewardship Working Group); DPC (Digital Preservation Coalition); Omeka Forum, IIIF Community

# DLS **services**: GIS support

<http://www.digitalservices.lib.uct.ac.za/dls/services/gis-support>

## GIS Support



# Geographic Information Systems @ UCTLibraries

Geographic Information Systems (GIS) support is now available in UCT Libraries as part of Digital Library Services.

### GIS support unit

We are available to support UCT staff and postgraduate researchers with their GIS and spatial data needs:

- **Troubleshooting, Project Planning, Analysis, Cartographic Design and Data Handling.**
- **GIS Training**
- **Apply for an ESRI Software license.** You will have to be signed in to your UCT Google Account to access the form. To access your UCT Google Account sign in to Google Drive using your UCT single sign-on credentials.

Our primary goal is to help users develop their GIS skills in order to perform sound data capture, geospatial analysis and map production.

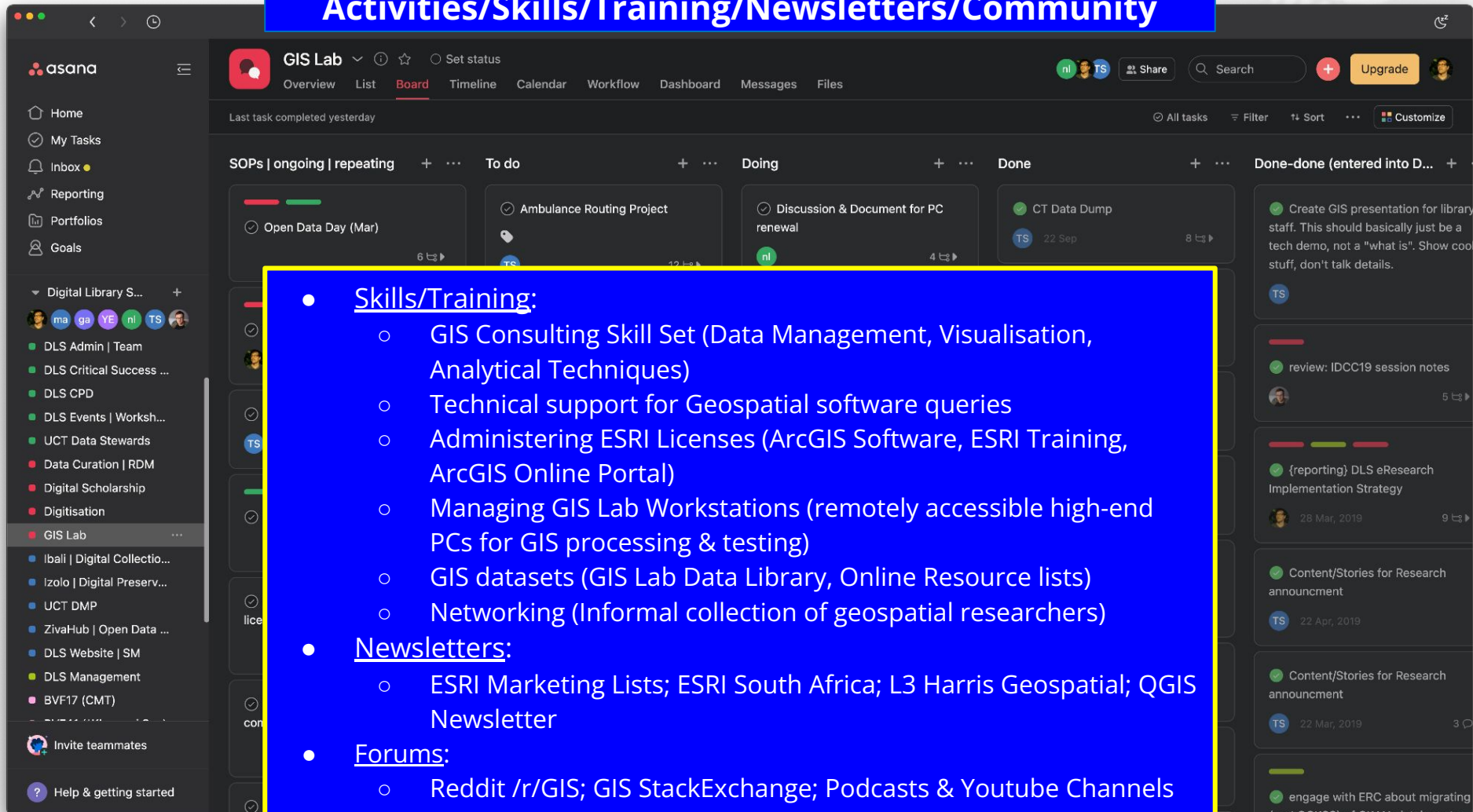
Undergraduate GIS support, training access and software licensing is managed through departmental course convenors in consultation with the GIS Lab, not on an individual basis.

### GIS Online Training Resources

#### Esri Training

# DLS **services**: GIS support

## Activities/Skills/Training/Newsletters/Community

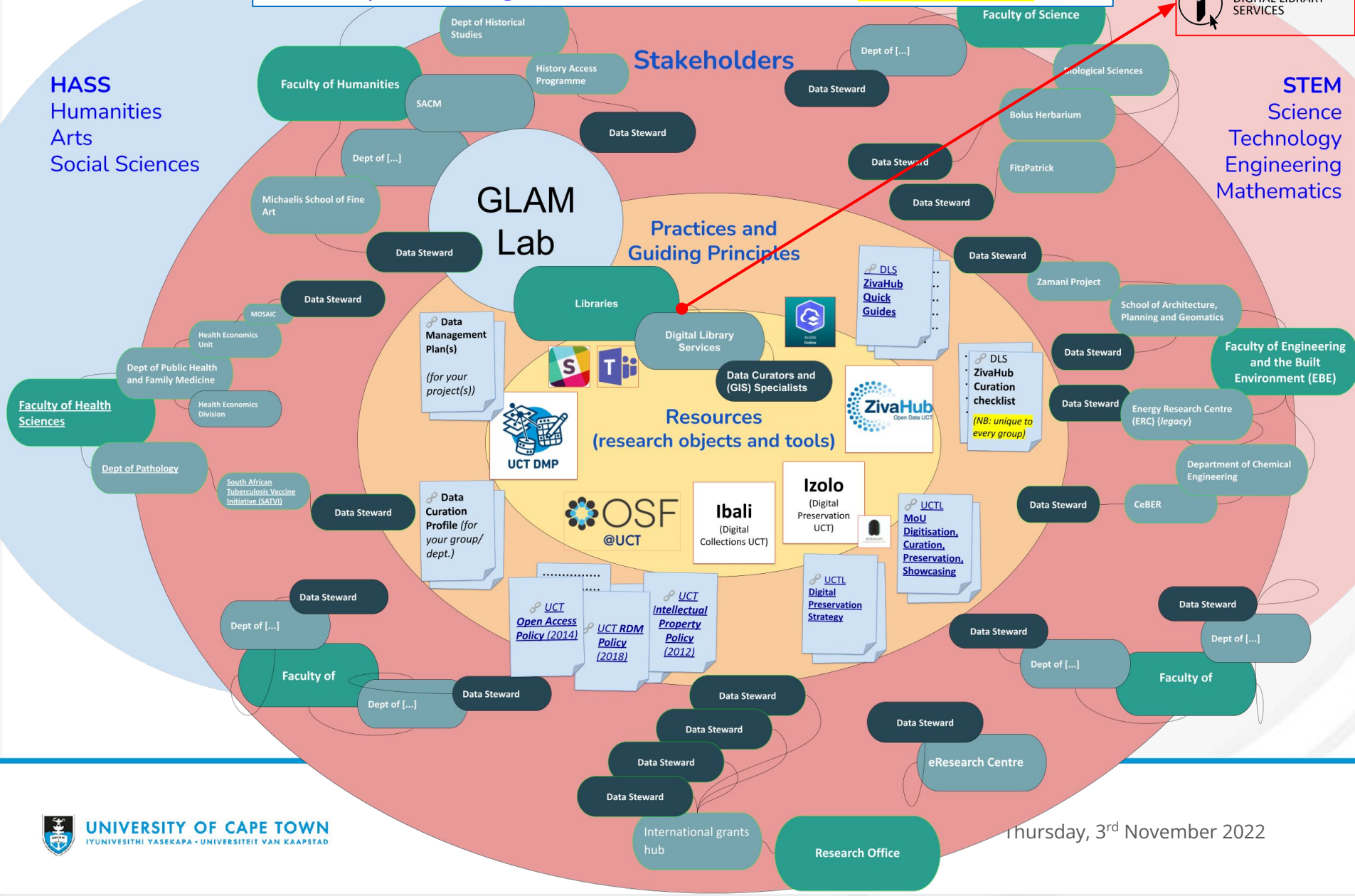


The screenshot shows an Asana project board for 'GIS Lab'. The board is organized into columns: 'SOPs | ongoing | repeating', 'To do', 'Doing', 'Done', and 'Done-done (entered into D...)'. Tasks are represented as cards with progress bars and status icons. A sidebar on the left lists various project categories and team members. A blue overlay box in the foreground contains a list of skills, newsletters, forums, and community resources.

- Skills/Training:
  - GIS Consulting Skill Set (Data Management, Visualisation, Analytical Techniques)
  - Technical support for Geospatial software queries
  - Administering ESRI Licenses (ArcGIS Software, ESRI Training, ArcGIS Online Portal)
  - Managing GIS Lab Workstations (remotely accessible high-end PCs for GIS processing & testing)
  - GIS datasets (GIS Lab Data Library, Online Resource lists)
  - Networking (Informal collection of geospatial researchers)
- Newsletters:
  - ESRI Marketing Lists; ESRI South Africa; L3 Harris Geospatial; QGIS Newsletter
- Forums:
  - Reddit /r/GIS; GIS StackExchange; Podcasts & Youtube Channels
- Community:
  - UCT GIS User Community (collegial); ESRI & QGIS User Communities (International & Local branches)

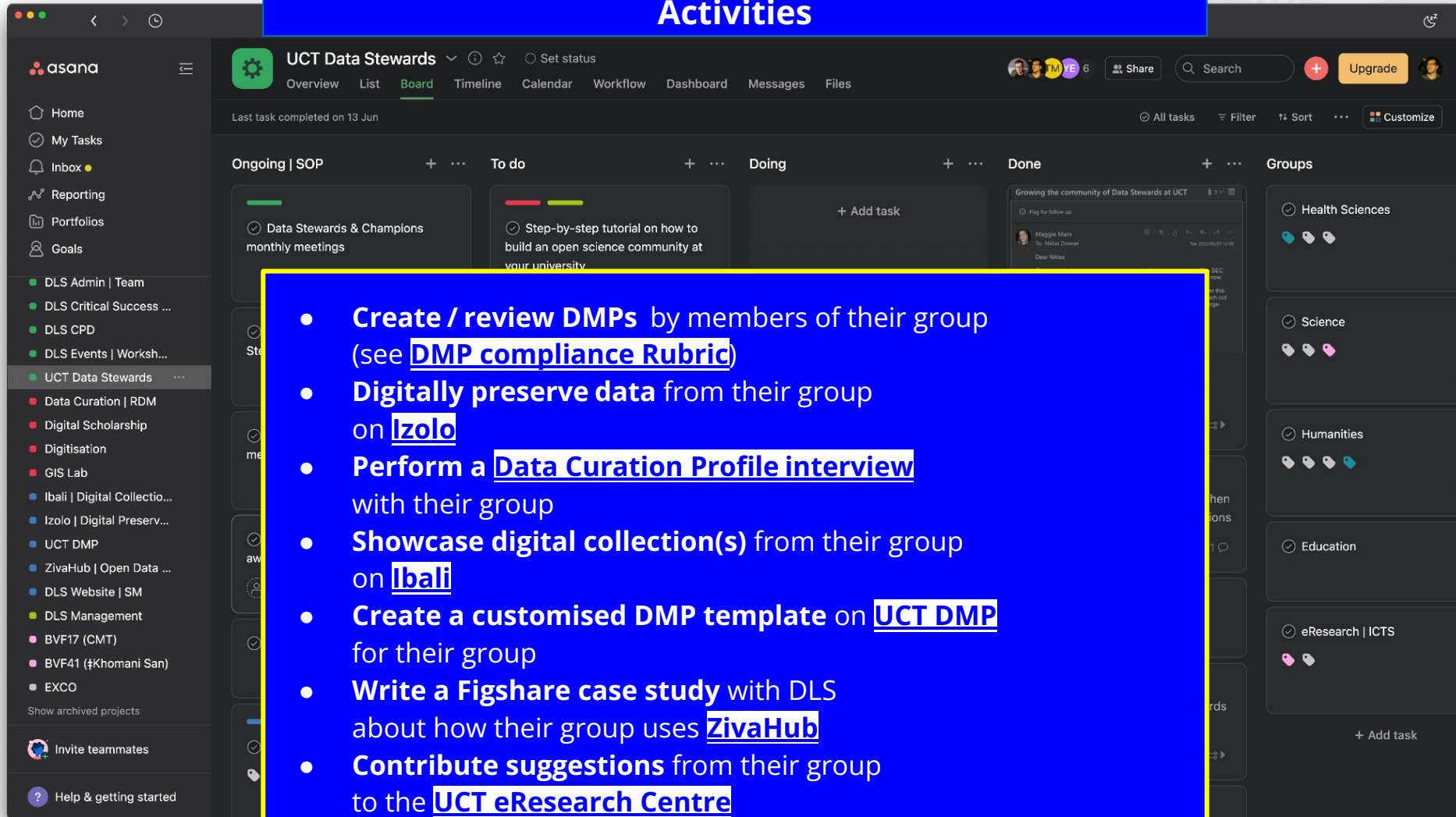
# DLS **services**: UCT CoP of Data Stewards & Champions

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



# DLS **services**: UCT CoP of Data Stewards & Champions

## Activities

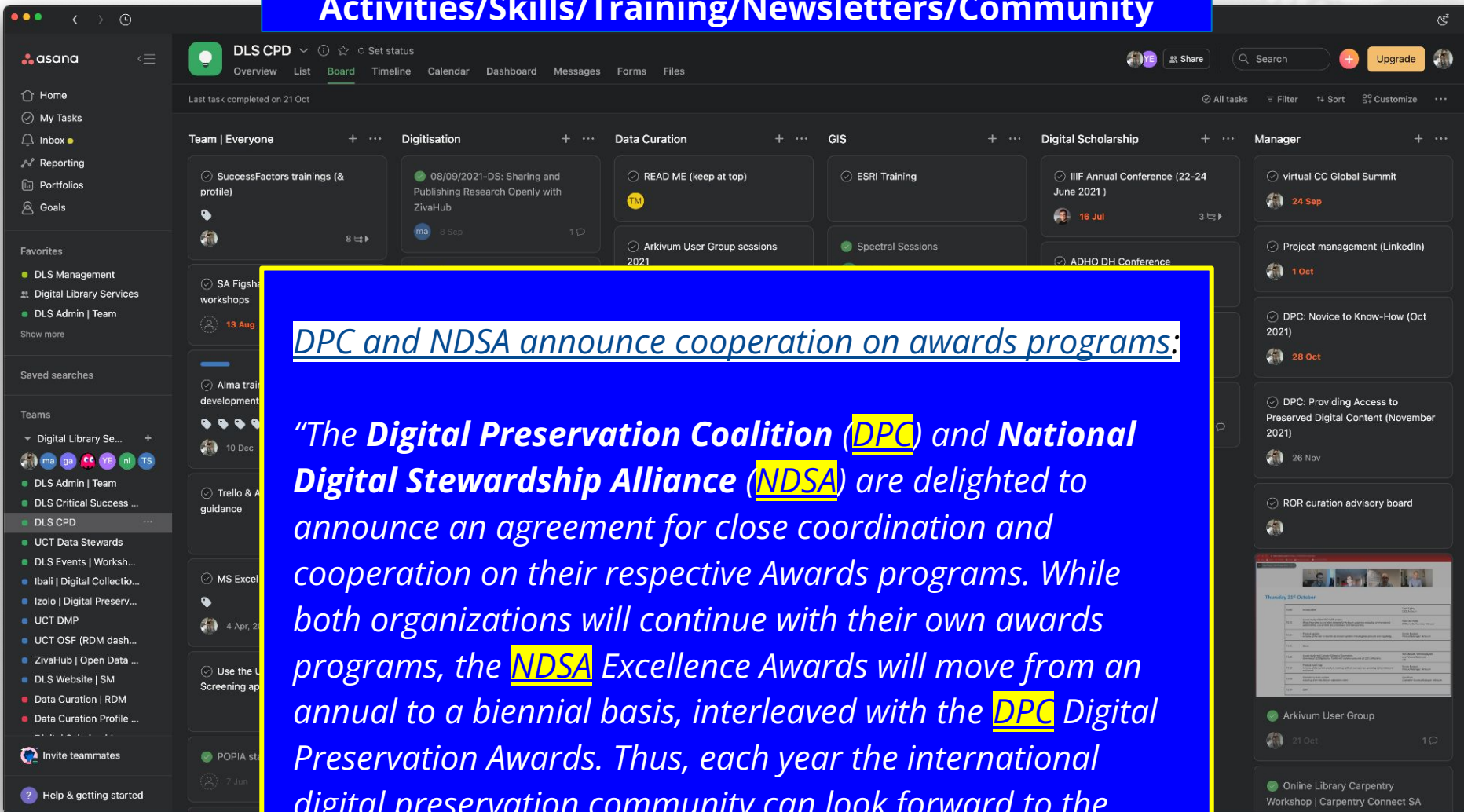


The screenshot shows an Asana project board for 'UCT Data Stewards'. The board is organized into columns: 'Ongoing | SOP', 'To do', 'Doing', and 'Done'. The 'Ongoing | SOP' column contains a task 'Data Stewards & Champions monthly meetings'. The 'To do' column contains a task 'Step-by-step tutorial on how to build an open science community at your university'. The 'Doing' column has a '+ Add task' button. The 'Done' column contains a task 'Growing the community of Data Stewards at UCT'. On the right, there is a 'Groups' section with categories like 'Health Sciences', 'Science', 'Humanities', 'Education', and 'eResearch | ICTS'. The left sidebar shows a list of projects, including 'DLS Admin | Team', 'DLS Critical Success ...', 'DLS CPD', 'DLS Events | Worksh...', 'UCT Data Stewards', 'Data Curation | RDM', 'Digital Scholarship', 'Digitisation', 'GIS Lab', 'Ibali | Digital Collectio...', 'Izolo | Digital Preserv...', 'UCT DMP', 'ZivaHub | Open Data ...', 'DLS Website | SM', 'DLS Management', 'BVF17 (CMT)', 'BVF41 (#Khomani San)', 'EXCO', 'Show archived projects', 'Invite teammates', and 'Help & getting started'.

- **Create / review DMPs** by members of their group (see [DMP compliance Rubric](#))
- **Digitally preserve data** from their group on [Izolo](#)
- **Perform a [Data Curation Profile interview](#)** with their group
- **Showcase digital collection(s)** from their group on [Ibali](#)
- **Create a customised DMP template** on [UCT DMP](#) for their group
- **Write a Figshare case study** with DLS about how their group uses [ZivaHub](#)
- **Contribute suggestions** from their group to the [UCT eResearch Centre](#)
- **Review ZivaHub submissions** for their group, [ensuring FAIR standards are met](#).

# Continuous Professional Development of DLS staff

## Activities/Skills/Training/Newsletters/Community



The screenshot shows an Asana project board for 'DLS CPD'. The board is organized into columns for different teams: Digitisation, Data Curation, GIS, Digital Scholarship, and Manager. Each column contains tasks with due dates and assignees. For example, in the Digitisation column, there is a task '08/09/2021-DS: Sharing and Publishing Research Openly with ZivaHub' assigned to 'mia' with a due date of '8 Sep'. In the Manager column, there are tasks like 'virtual CC Global Summit' (24 Sep), 'Project management (LinkedIn)' (1 Oct), 'DPC: Novice to Know-How (Oct 2021)' (28 Oct), 'DPC: Providing Access to Preserved Digital Content (November 2021)' (26 Nov), and 'ROR curation advisory board'.

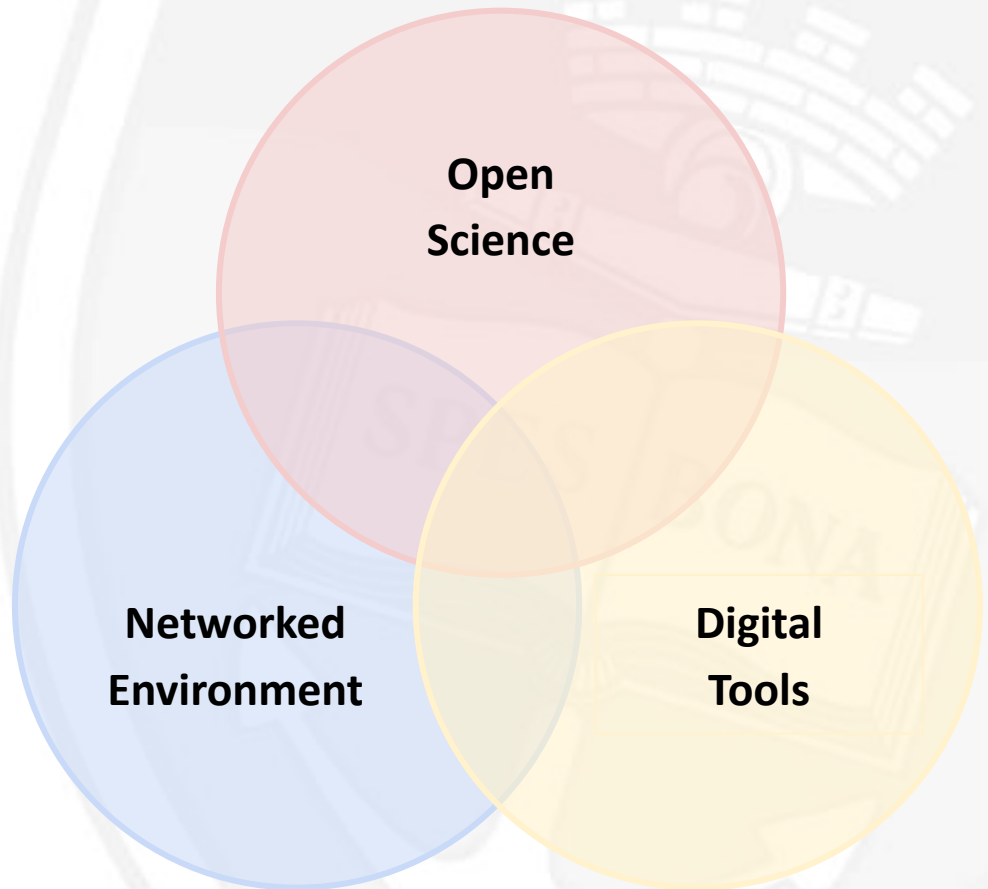
### DPC and NDSA announce cooperation on awards programs:

*“The **Digital Preservation Coalition (DPC)** and **National Digital Stewardship Alliance (NDSA)** are delighted to announce an agreement for close coordination and cooperation on their respective Awards programs. While both organizations will continue with their own awards programs, the **NDSA** Excellence Awards will move from an annual to a biennial basis, interleaved with the **DPC** Digital Preservation Awards. Thus, each year the international digital preservation community can look forward to the presentation of a single set of awards.”*

# Sanjin Muftić

*Digital Scholarship: Practicing and Sharing*

**Digital Scholarship** *is the application and integration of **digital tools and methods** in discovery, research, teaching and learning.*



Adapted from: Weller, M. 2011. *The Digital Scholar*: <https://www.open.edu/openlearn/ocw/mod/oucontent/view.php?id=48677&section=2>

# Digital Scholarship = Information Technology

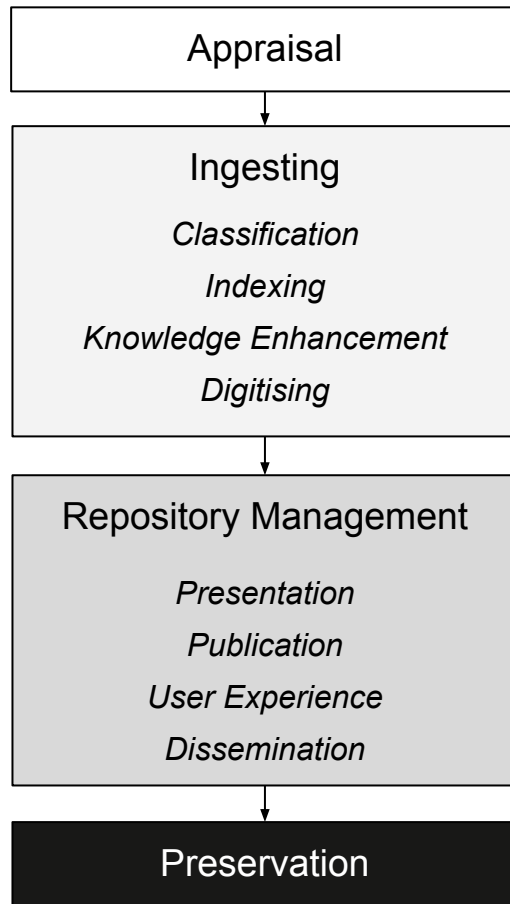


## Digital Tools

Coding/Automating	Analytical Abilities
Database Design	Communication
Data Cleaning	Project Management
Workflow Design	Troubleshooting
Information Transfer & Security	Perseverance

*...application and integration of **digital tools and methods**...*

Adapted from: Weller, M. 2011. *The Digital Scholar*: <https://www.open.edu/openlearn/ocw/mod/oucontent/view.php?id=48677&section=2>



- *Bulk converting, managing, processing, converting digital objects*
- *Set up Workflows for capturing metadata*
- *Suggesting workflows for data management*
- *Cleaning up and Transforming Metadata*
- *Geocoding*
- *Design showcase Sites*

Adapted from: Constantopoulos, P and Dallas, C. (2006). Aspects of a digital curation agenda for cultural heritage. [online] Available at: <http://www.dcu.gr/wp-content/uploads/2016/10/Aspects-of-a-digital-curation-agenda-for-cultural-heritage.pdf>

# Using forms to capture metadata



## LRGRU Metadata

\*Required

Name of Data Capturer \*

Your answer

Barcode \*

Your answer

Type of Material \*

- ☐ Facilitator Guide
- ☐ Participant Workbook
- ☐ Additional Readings

Workshop Title \*

as it appears on the book

Your answer

Three Word Title \*

select three words from the title, put dashed in between

Your answer

C	D	E	F	G	H	I
Barcode	Type of Material	Workshop Title	Three Word Title	Start Date of Workshop	End Date of Workshop	Location of Workshop
0050	Participant Workbook	Social Context Training W Magistrates - HIV/AIDS - E		07/05/2004		Shumba Valley Lodge
0049	Additional Readings	Family Court Training Wo Family Court Training		02/08/2000		
0028	Participant Workbook	HIV/AIDS, Bail and Sente HIV/AIDS - BAIL - SENTE		10/09/2004	12/09/2004	Protea Hotel Stellenbosch
0027	Participant Workbook	Perceptions of HIV/AIDS: Positive Living'		01/01/1900		
0030	Participant Workbook	Social context, HIV/AIDS HIV/AIDS - Gender - viole		04/06/2004	06/06/2004	Protea Hotel The Ranch
0032	Participant Workbook	Gender Workshop Gender Workshop		11/10/2002	13/10/2002	Shangri La Lodge
42	Participant Workbook	Addressing Domestic Viol Domestic Violence - Nort		08/02/2002	10/02/2002	The Ranch, Protea Hotel
0044	Facilitator Guide	Social context workshop f contextualising - sexual o		06/10/2005	10/10/2005	
0045	Facilitator Guide	Social context training wo Social - context - training		07/06/2002	09/06/2002	Heia Safari Ranch
0082	Facilitator Guide	Social context training wo Advancing - Equality		06/06/2003	08/06/2003	Malaga Resort
0083	Facilitator Guide	Gender Workshop Gender - Workshop		11/10/2002	13/10/2002	Shangri La Lodge
0087	Facilitator Guide	Social context and equalit equality - guide- decision		15/08/2003	17/08/2003	Maccavlei Conference C
0088	Facilitator Guide	Facilitators' Workbook for Commissioners - child - w		06/03/2002	08/03/2002	Centurion Lake Hotel



# Data Cleaning with OpenRefine



LIBRARIES

## Cluster & Edit column "Person"

This feature helps you find groups of different cell values that might be alternative representations of the same thing. For example, the two strings "New York" and "new york" are very likely to refer to the same concept and just have capitalization differences, and "Gödel" and "Godel" probably refer to the same person. [Find out more...](#)

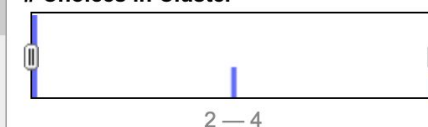
Method key collision

Keying Function fingerprint

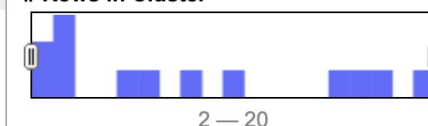
13 clusters found

Cluster Size	Row Count	Values in Cluster	Merge?	New Cell Value
4	20	<ul style="list-style-type: none"><li>D. J. Coetzee (7 rows)</li><li>D. J Coetzee (6 rows)</li><li>D. J Coetzee. (6 rows)</li><li>D J Coetzee (1 rows)</li></ul>	<input type="checkbox"/>	D. J. Coetzee
4	18	<ul style="list-style-type: none"><li>W.L. Gordon, O.B.E., M.D., F.R.C.S. (Ed.) (15 rows)</li><li>W.L. Gordon, M.D., F.R.C.S (Ed), O.B.E. (1 rows)</li><li>W.L. Gordon, O.B.E., M.D., F.R.C.S (Ed) (1 rows)</li><li>W.L. Gordon, O.B.E., M.D., F.R.C.S. (Ed) (1 rows)</li></ul>	<input type="checkbox"/>	W.L. Gordon, O.B.E., M.D., F.R
3	11	<ul style="list-style-type: none"><li>R. Wolff, B.Sc. (Cape), L.D.S., M.R.C.S., L.R.C.P., D.P.H (Cape Town) (9 rows)</li><li>R. Wolff, B.Sc (Cape), L.D.S., M.R.C.S., L.R.C.P., D.P.H (Cape Town) (1 rows)</li><li>R. Wolff, B.Sc. (Cape Town), L.D.S., M.R.C.S., L.R.C.P., D.P.H (Cape Town) (1 rows)</li></ul>	<input type="checkbox"/>	R. Wolff, B.Sc. (Cape), L.D.S., I
3	9	<ul style="list-style-type: none"><li>M.R. Drennan, M.A., M.B., Ch.B (Edin), F.R.C.S (Edin) (4 rows)</li><li>M.R. Drennan, M.A., M.B., Ch.B (Edin), F.R.C.S. (Edin) (4 rows)</li><li>M.R. Drennan, M.A., M.B., Ch.B (edin), F.R.C.S. (Edin) (1 rows)</li></ul>	<input type="checkbox"/>	M.R. Drennan, M.A., M.B., Ch.İ

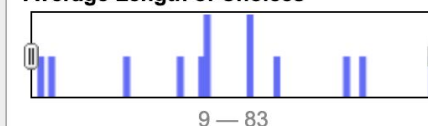
# Choices in Cluster



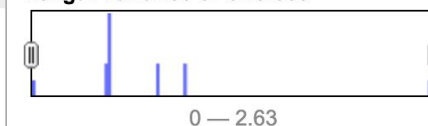
# Rows in Cluster



Average Length of Choices



Length Variance of Choices



Select All Unselect All

Export Clusters

Merge Selected & Re-Cluster

Merge Selected & Close

Close

# Using Rstudio to transform Data

DLS\_Production\_reporting\_Manipulated\_correctformat

%>%

pivot\_longer

(-date, names\_to = c(".value", "entry"), names\_sep =  
" \_", values\_drop\_na = TRUE)

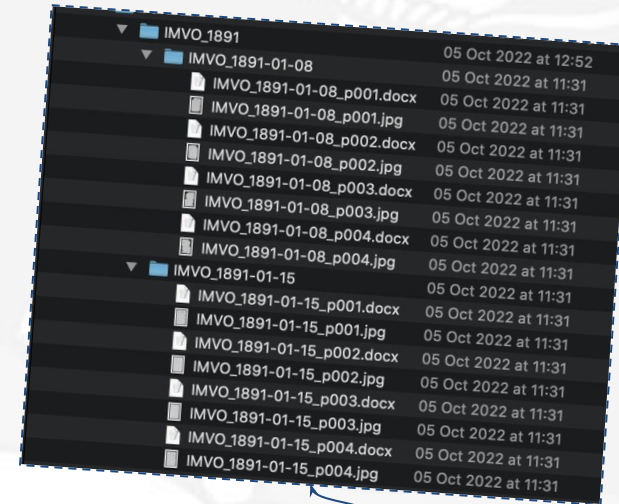
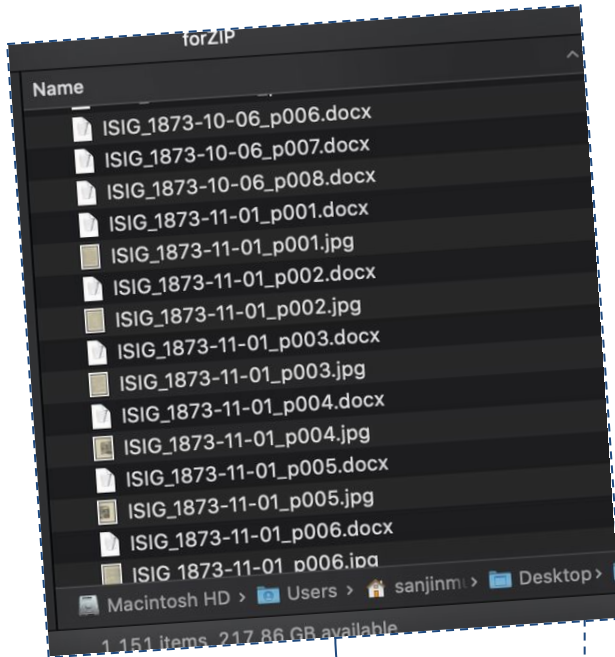
D	E	F	G	H	I
Collection code (physical)	Collection number	Units (amount)	File type (digital)	Collection code (physical)	Collection number
ETD-EDITED					
ETD-EDITED					
BC	206	7	.jpg	BC	206
BC	206	7	.jpg	BC	206
BC	206	11	.jpg	BC	206
BC	206	9	.jpg	BC	206
BC	636	8	.tif	BC	636
BC	636	8	.tif	BC	636
ETD-EDITED					
BC	56e	4	.tif	BC	56e
ETD-EDITED					
		12	.jpg	BC	151

date	entry	units	fileType	collectionCode	collectionNum
43479	entry1	30	.pdf	ETD-EDITED	December_2
43479	entry2	2	.pdf	ETD-EDITED	NA
43480	entry1	15	.pdf	ETD-EDITED	December_2
43481	entry1	15	.pdf	ETD-EDITED	December_2
43482	entry1	15	.pdf	ETD-EDITED	December_2
43482	entry2	7	.jpg	ASL	NA
43482	entry3	11	.tif	ASL	NA
43482	entry4	9	.pdf	ASL	NA
43483	entry1	16	.pdf	ETD-EDITED	December_2
43483	entry2	8	.jpg	BC	
43483	entry3	8	.tif	BC	
43483	entry4	8	.pdf	BC	
43486	entry1	1	.pdf	ETD-EDITED	December_2
43487	entry1	29	.pdf	ETD-EDITED	December_2
43487	entry2	11	.pdf	ETD-EDITED	December_2
43488	entry1	10	.pdf	ETD-EDITED	December_2
43489	entry1	9	.pdf	ETD-EDITED	December_2
43493	entry1	15	.pdf	BC	
43493	entry2	76	.pdf	ETD-EDITED	December_2
43494	entry1	19	.pdf	ETD-EDITED	December_2
43494	entry2	28	.pdf	ETD-EDITED	December_2
43495	entry1	7	.pdf	ETD-EDITED	December_2
43495	entry2	17	.pdf	ETD-EDITED	December_2
43496	entry1	15	.pdf	ETD-EDITED	December_2
43496	entry2	207	.pdf	NA	BAA 338
43497	entry1	10	.pdf	ETD-EDITED	December_2
43497	entry2	15	.pdf	ETD-EDITED	December_2

# Organising Files to match Structure



LIBRARIES



```
In [7]: count=0;
for file in os.listdir(folder_path):
    filename, file_extension = os.path.splitext(file)
    newedition = file[0:4]
    year = file[5:9]
    print(year)
    month = file[10:12]
    print(month)
    day = file[13:15]
    print(day)
    pages = file[16:20]
    print(pages)
    print(file_extension)

    newfilename = newedition + '-' + year + '-' + month + '-' + day + '-' + pages + file_extension
    newdir = "/Users/sanjinm/Desktop/IXIT/IIIF/SORTED" + "/" + newedition + '_' + year + '-' + month + '-' + day
    final_path = newdir + '/' + newfilename
    print("NEW FILE")
    print("ORIGINAL FILE NAME: " + file)
    print("NEW DIR: " + newdir)
    print("NEW FILENAME: " + newfilename)
    print("NEW FILE PATH: " + final_path)
    #dir_path = dir + dir_name
    #print(f'dir_path: {dir_path}')

    #check if directory exists or not yet
    if not os.path.exists(newdir):
        os.makedirs(newdir)

    if os.path.exists(newdir):
        #file_path = dir + file
        #print(f'file_path: {file_path}')

        # move files into created directory
        #shutil.move(file_path, dir_path)
        copyfile(file, final_path)
        count += 1
    print(count)
```



# Using API to do batch uploads/publishing



LIBRARIES

	A	B	C	D	E	F	G	H	I	J
	Collection code	Catalog number	Kingdom	Division	Class	Order	Family	Genus	Specific epithet	Author
1										
2										
3	BOL	65564	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	galpinii	E.Phillips
4										
5	BOL	BOL218096	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	saligna	Harv.
6										
7	BOL	65572	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	saligna	Harv.
8										
9	BOL	65565	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	saligna	Harv.
10										
11	BOL	65594	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	macnaughtonii	E.Phillips
12										
13	BOL	65588	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	rochetiana	(A.Rich.) Chiov. ex Pic.Serm.
14										
15	BOL	65584	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	rochetiana	(A.Rich.) Chiov. ex Pic.Serm.
16										
17	BOL	65589	Plantae	Tracheophyta	Magnoliopsida	Proteales	Proteaceae	Faurea	rochetiana	(A.Rich.) Chiov. ex Pic.Serm.

## Bolus Herbarium (BOL)

[+ Follow](#) Published on 27.05.2021 - 15:30 by [Cornelia Klak](#)

The Bolus Herbarium, established in 1865, is the oldest functioning herbarium in South Africa. As part of an academic institution its primary function is to aid in the teaching and research of the diversity of the southern African flora, particularly that of the Cape Floristic Region. Research associated with the herbarium focuses mainly on taxonomy, systematics, biogeography and endemism.

With a collection of over 350,000 specimens, it is the third largest herbarium in South Africa and the third largest university Herbarium in the southern Hemisphere. The collection is recognised for its superb representation of the Cape Flora and the large number of type specimens housed.

CITE ITEMS FROM THIS PROJECT

[cite all items](#)

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search content on this project...

need help?

21,581 results found

sort by: Date added

**Erythrina humeana**  
(152991)  
Physical object posted on 30.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria biflora**  
(44328)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria variabilis**  
(44327)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria oleifolia**  
(44326)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria biflora**  
(44329)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria sericea**  
(44332)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria biflora**  
(44331)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

**Podalyria myrtillifolia**  
(44330)  
Physical object posted on 09.03.2022 in University of Cape Town  
[Bolus Herbarium](#)

```

In [4]: publish_list = pd.read_csv('2022-04-14_bolusBatch06.csv')
print(publish_list)
print(str(int(publish_list['articleID'][(2)])))

articleID
0    16535994
1    16535997
2    16536003
3    16536006
4    16536009
...
988   16539435
989   16539438
990   16539444
991   16539447
992   16539450

[993 rows x 1 columns]
16536003

PUBLISH

In [5]: for ind in publish_list.index:
publish_article = publish_list['articleID'][(ind)]
url = "https://api.figshare.com/v2/account/articles/" + str(int(publish_article)) + "publish"
print(url)
get_publish = raw_issue_request("POST", url, bol_token)

https://api.figshare.com/v2/account/articles/16535994/publish
https://api.figshare.com/v2/account/articles/16535997/publish
https://api.figshare.com/v2/account/articles/16536003/publish
https://api.figshare.com/v2/account/articles/16536006/publish
https://api.figshare.com/v2/account/articles/16536009/publish
https://api.figshare.com/v2/account/articles/16536018/publish
https://api.figshare.com/v2/account/articles/16536015/publish
https://api.figshare.com/v2/account/articles/16536024/publish
https://api.figshare.com/v2/account/articles/16536027/publish

```

# GeoCoding Place Names


































LIBRARIES

Aroab	-26.7984846	19.6389413	Namibian town in Keetmanshoop area.
Auob	-25.0249081	18.9001578	River
Avondskyn			Farm found along the Kuruman rivier near Drumsheugh, Eensaam Kasteel and Klein Hemelstraat.
Ballater	-26.91120687	21.16100501	Scottish Name. Found along the Kuruman rivier
Bitterpan	-26.614408	20.341025	
Black Ridge			Farm where Antjie Kassie worked picking grapes. They also worked on Meyers Island and Kanon Island.
Bloemfontein	-29.1199892	26.1531832	
Bloubos			Grondneus (-28.07279,20.7681). Name of a farm near Grondneus
Bloupan	-27.5854252	20.4854154	
Bokpootjie			Farm near Dankbaar, Haas Pan and Kraaipan. Also near Nossob (river). Could be Bokooitjie, only one recording
Bokspits	-26.9048977	20.6900908	
Boskop			Old Boskop is a farm. If you go along the black s the red dunes after Old Scholtz farm. There is a which has a big farm house. Boskop is near a fa far from Askham.
Brandvlei	-30.4979702	20.3704407	Town
Cromdale	-26.9480889	20.8445002	Scottish Name
Dankbaar			Farm near Bokpootjie, Haas Pan and Kraaipan. be Bokooitjie, only one recording



## Build Showcase sites with Omeka S

[illegible]

<input type="checkbox"/>	 Climate Change	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 Health and climate change	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	Malaria and human health	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 Teaching Human Health and Climate Change	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 Celebrate Earth Day with Climate Conversations!	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 Coronavirus: What has Covid done for climate crisis	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 Reimagining our Future: Building Back Better from COVID-19	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021
<input type="checkbox"/>	 The Covid19, Climate Change and Environmental Degradation Crises	  	Bibliographic Resource	Wendy Taylor	Jun 11, 2021

The screenshot shows a presentation slide with the following content:

- Title of Resource:** PREVENTING THE NEXT PANDEMIC: Zoonotic diseases and how to break the chain of transmission
- Identifier:** M\_0176
- Main Topic:**
  - Climate systems and extreme weather impact
  - all items with this value
  - Policy and Institutions addressing Climate Change
  - all items with this value
  - Human Health
  - all items with this value
  - Zoonotic diseases
  - all items with this value

The slide itself features the UN Environment Programme logo, the ILRI logo, and the CGIAR logo. The title 'PREVENTING THE NEXT PANDEMIC' is prominently displayed, followed by the subtitle 'Zoonotic diseases and how to break the chain of transmission'. Below the text is a graphic showing a stylized sun, a person, and a DNA helix.

## Browse by Category

Click on any of the links below to see resources linked to that category.

- Target Audience**
  - Teachers (R-12)
  - Informal educators (museums, visitor centers, NGOs)
  - Teacher educators & curriculum advisors (teacher pd)
  - College or university lecturers
  - Learners grades R-3
  - Learners grades 4-6
  - Learners grades 7-9
  - Learners grades 10-12
  - Students (college/university)
  - Adult learners
  - General public
  - All Audiences
- Publication Location**
  - Africa
  - Europe
  - South America
  - North America
  - Asia

Click on any of the links below to see resources linked to that category.

### Target Audience

- Teachers (R-12)
  - Informal educators (museums, visitor centers, NGOs)
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- Asia

ibali  
Digital Collections UCT

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## Showcasing Connections Through Collections

Welcome to ibali, the digital collections showcase of the University of Cape Town (UCT), hosted by UCT Libraries. We invite you to explore an array of research topics that reflect the diverse topics of research at our university. The name ibali comes from the isiXhosa word for "story". It expresses our hope that you explore our collections.

[Browse our collections or explore featured sites below.](#)

### UCT Collections



ReTAGS

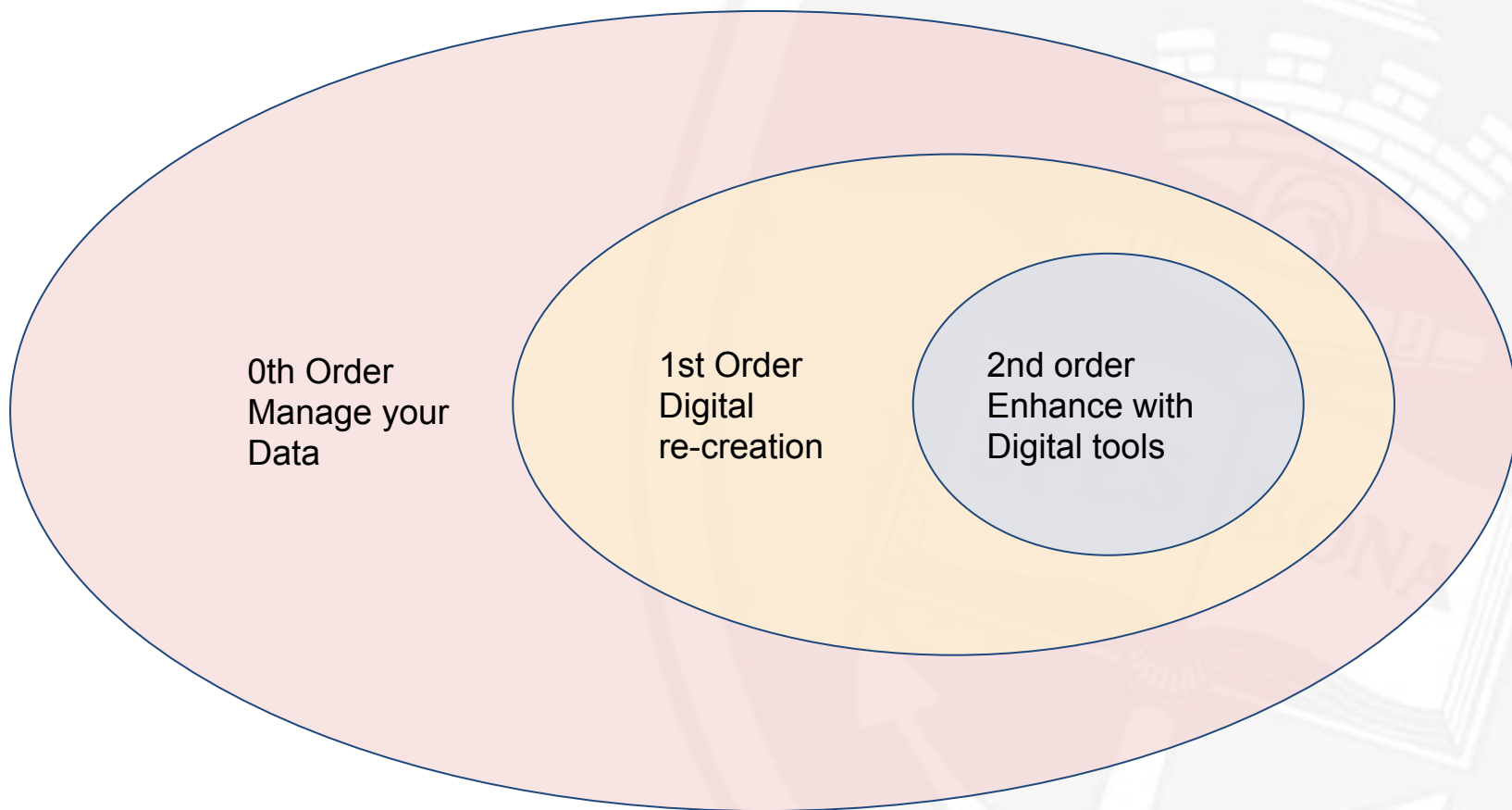


Works of Art Committee



Climate Change and Sustainability Education Digital Library (CCSEDL)

# Scales of Digital Scholarship

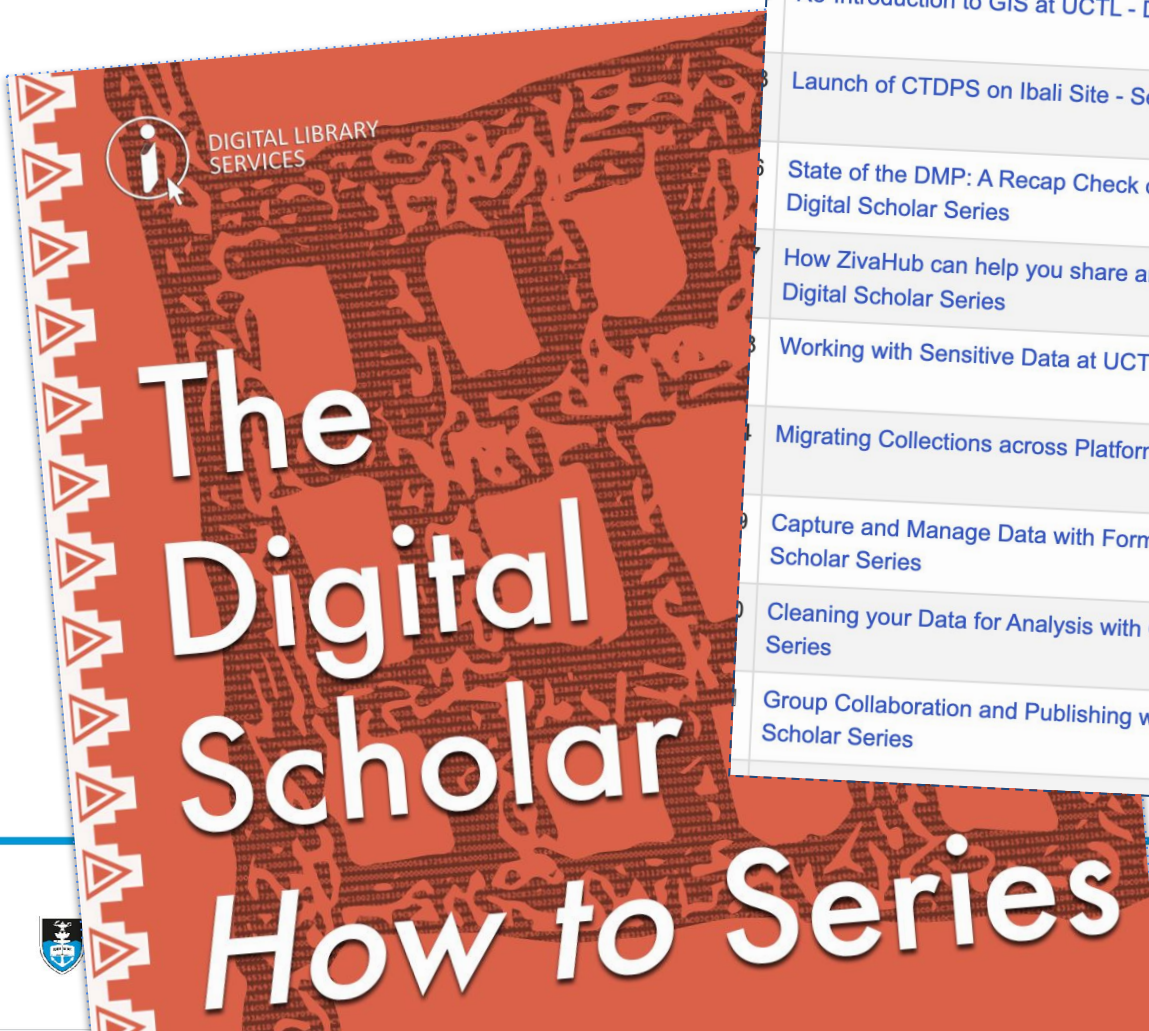


Source: Hartsell-Gundy, A., Braunsten, L., Golomb, L. (Eds.), 2015. Digital Humanities in the Library. American Library Association.

# Digital Scholar Series



LIBRARIES

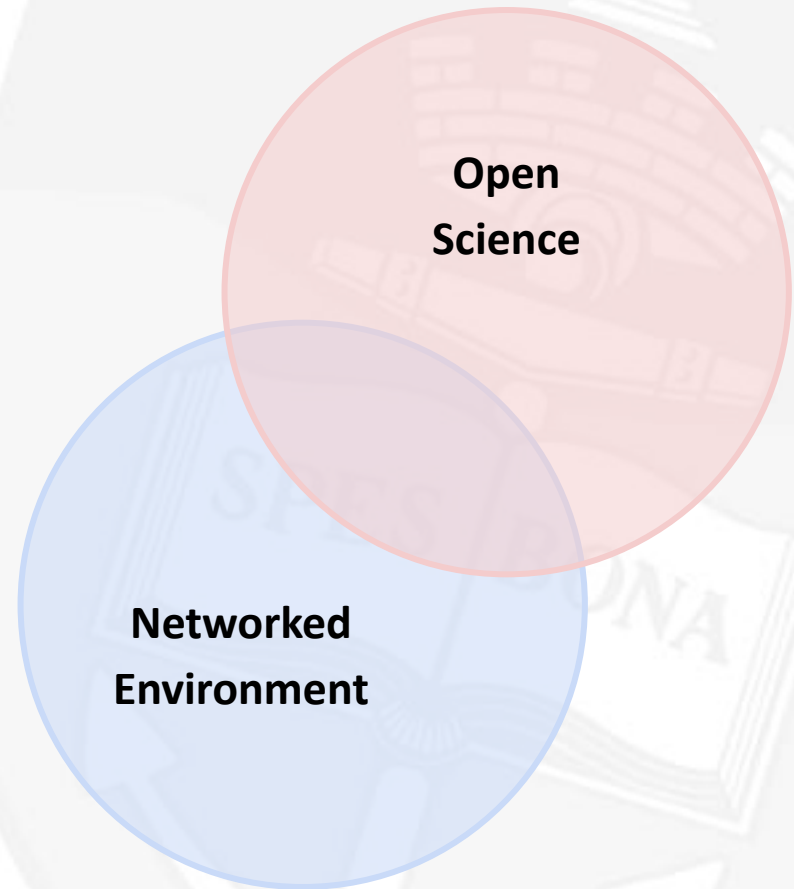


Getting your Items in Order - Session 05 of 2022 - Ibali Indaba	Wednesday 22 June 2022	1
How ZivaHub can help you share and publish your thesis data - Digital Scholar Series Bonus	Wednesday 29 June 2022	1
Re-Introduction to GIS at UCTL - Digital Scholar Series	Wednesday 27 July 2022	1
Launch of CTDPS on Ibali Site - Session 07 of 2022 - Ibali Indaba	Wednesday 3 August 2022	1
State of the DMP: A Recap Check on your RDM for your project - Digital Scholar Series	Wednesday 10 August 2022	1
How ZivaHub can help you share and publish your thesis data - Digital Scholar Series	Wednesday 24 August 2022	1
Working with Sensitive Data at UCT - Digital Scholar Series	Wednesday 31 August 2022	1
Migrating Collections across Platforms - September Ibali Indaba	Wednesday 7 September 2022	1
Capture and Manage Data with Forms and Spreadsheets - Digital Scholar Series	Wednesday 14 September 2022	1
Cleaning your Data for Analysis with Open Refine - Digital Scholar Series	Wednesday 21 September 2022	1
Group Collaboration and Publishing with OSF and ZivaHub - Digital Scholar Series	Wednesday 28 September 2022	1

Thursday, 3<sup>rd</sup> November 2022

# How do we figure this out

- Search the internet/forums
  - Somebody has had the same problem and some of those have either asked the question or share the solution
- Improve skills through online courses and sites (such as <https://www.freecodecamp.org/learn>)
- Document the process and leave the SOP behind you

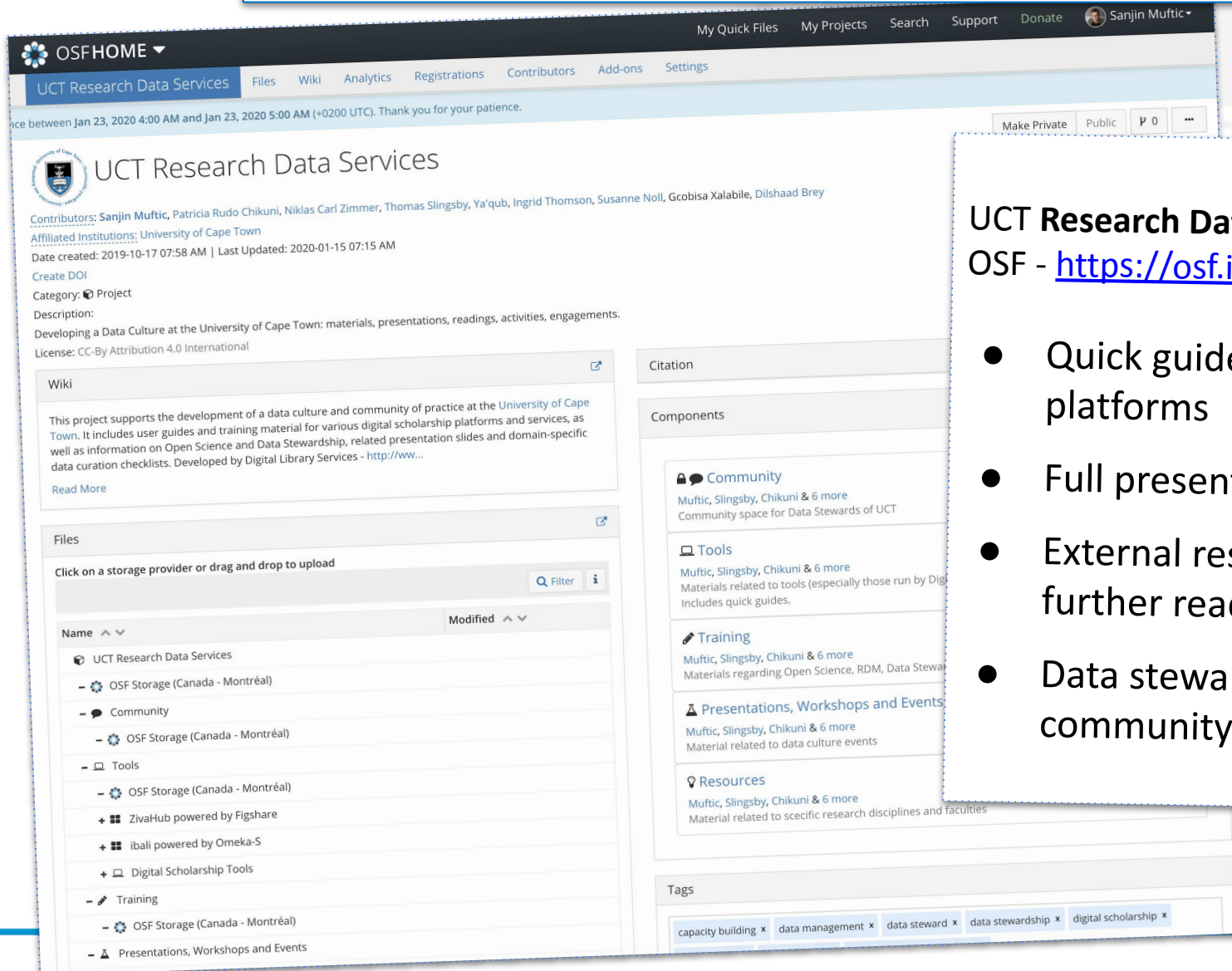


- Volume of Data / Digital Assets Increasing
  - More action with fewer keystrokes/mouse clicks
- Breaking Problems down into manageable repetitive steps that can be reproduced
- Getting comfortable with command line tools
- Finding solutions that do not require you to pay for software (free coding libraries to make pdfs from command line)
- Harnessing machines to do the boring stuff

Thank you!

Any questions?

# Openly accessible RDS resources



The screenshot shows the OSFHOME interface for the 'UCT Research Data Services' project. The top navigation bar includes 'My Quick Files', 'My Projects', 'Search', 'Support', 'Donate', and a user profile for 'Sanjin Muftic'. Below this, a secondary navigation bar lists 'Files', 'Wiki', 'Analytics', 'Registrations', 'Contributors', 'Add-ons', and 'Settings'. The main content area features a project header with the UCT logo, the title 'UCT Research Data Services', and a list of contributors. A description box states the project's goal of developing a data culture at the University of Cape Town. Below the description is a 'Files' section with a table listing various resources, including 'OSF Storage (Canada - Montréal)', 'Community', 'Tools', 'Training', 'Presentations, Workshops and Events', and 'Resources'. A 'Wiki' section on the left provides additional context. On the right, a 'Citation' and 'Components' section are visible, along with a 'Tags' section at the bottom listing terms like 'capacity building', 'data management', 'data steward', 'data stewardship', and 'digital scholarship'.

UCT Research Data Services on OSF - <https://osf.io/5avhm/>

- Quick guides for UCT platforms
- Full presentation slides
- External resources and further reading
- Data steward community engagement

Let's change  
what we value  
in research.



# UNIVERSITY OF CAPE TOWN

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[Data Stewards Community](#)

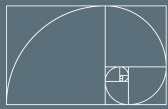


DIGITAL LIBRARY  
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<http://www.digitalservices.lib.uct.ac.za/>



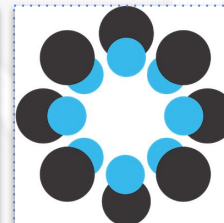
UCT DMP



omeka s



arkivum  
Bringing archived data to life



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Thursday, 3<sup>rd</sup> November 2022