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A Research Data Management Readiness Training Toolkit

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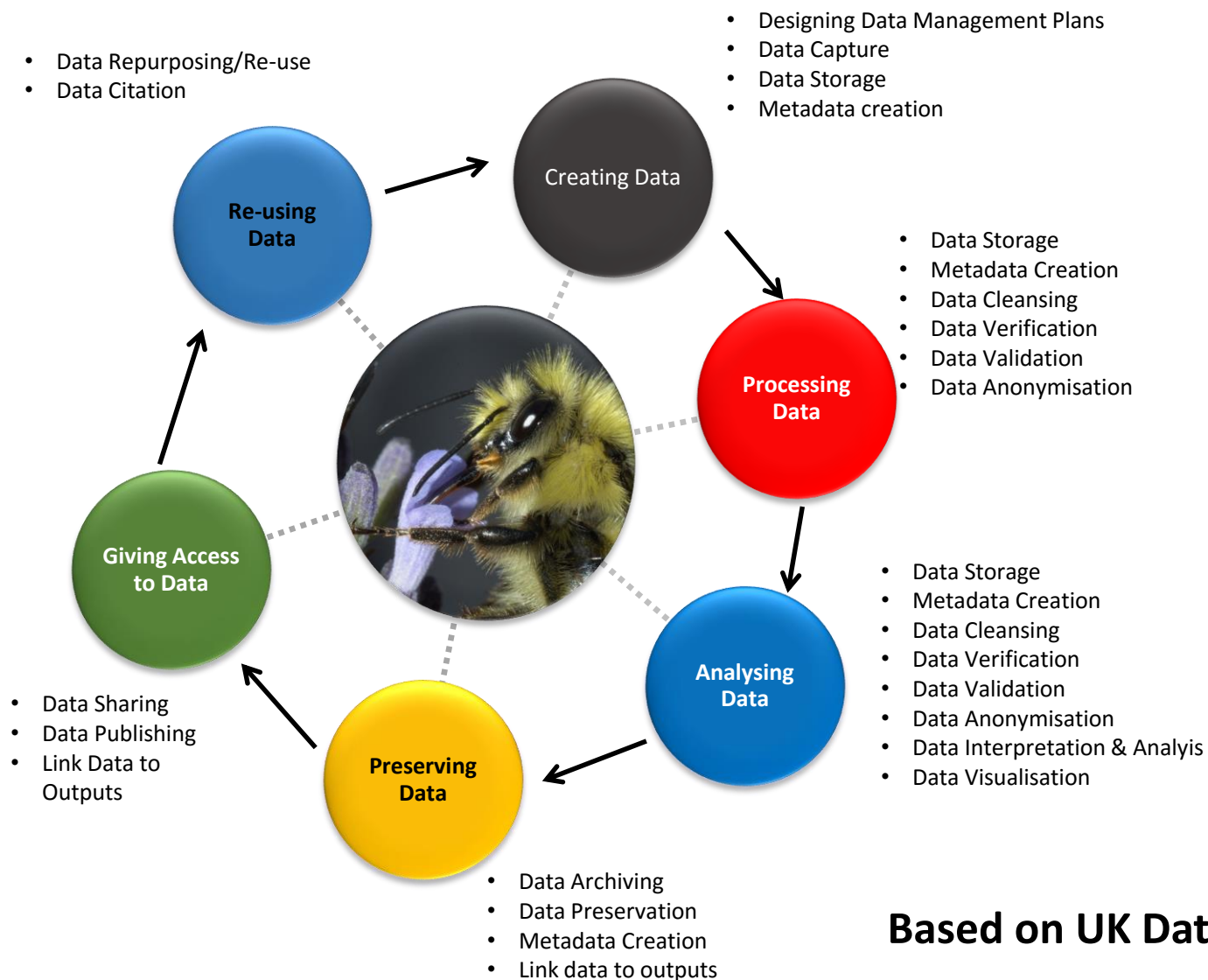
International Data Week 2018, SciDataCon 2018 Conference, 5-9
November 2018, Gaborone, Botswana.

Make today matter

Introduction

- Rationale: Equip Library staff, other support staff and researchers with RDM skills
- Training should be in line with the Research Data Lifecycle
- Gained information through literature, MANTRA, Coursera
- Sent out a survey to staff to gauge their knowledge about RDM
- Brainstorming on possible approaches for RDM training

Research Data Lifecycle



Based on UK Data Archive Lifecycle

Research Data Management Training Toolkit

Two streams of modules were identified to form an RDM Readiness Training Toolkit:

RDM Fundamentals



All Library staff, support
staff and researchers

RDM Essentials



Librarians & Researchers

RDM Readiness Training Toolkit

RDM FUNDAMENTALS

Module 1 – What is RDM and RDM at UP
& Jargon Busting

Module 2 – UP RDM Policy Overview

RDM ESSENTIALS

Module 1 – Data Management Plans

Module 2 – Data Citation & Licensing

Module 3 – Metadata Standards for Data

Module 4 – Data Repositories

Module 5 – Data Curation & Preservation

Module ? – More sessions can be identified



RDM Readiness Training Toolkit

RDM FUNDAMENTALS

Module 1 – What is RDM and RDM at UP

Module 2 – UP RDM Policy Overview

Module 3 – Data Management Plans & Jargon Busting

RDM ESSENTIALS

Module 1 – Data Management Plans

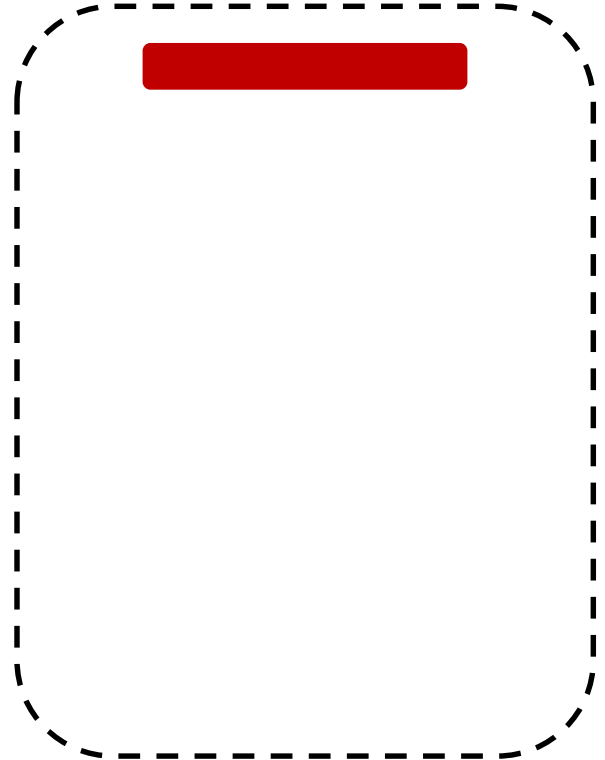
Module 2 – Data Citation & Licensing

Module 3 – Metadata Standards for Data

Module 4 – Data Repositories

Module 5 – Data Curation & Preservation

Module ? – More sessions can be identified



RDM Fundamentals

Workshops for all staff

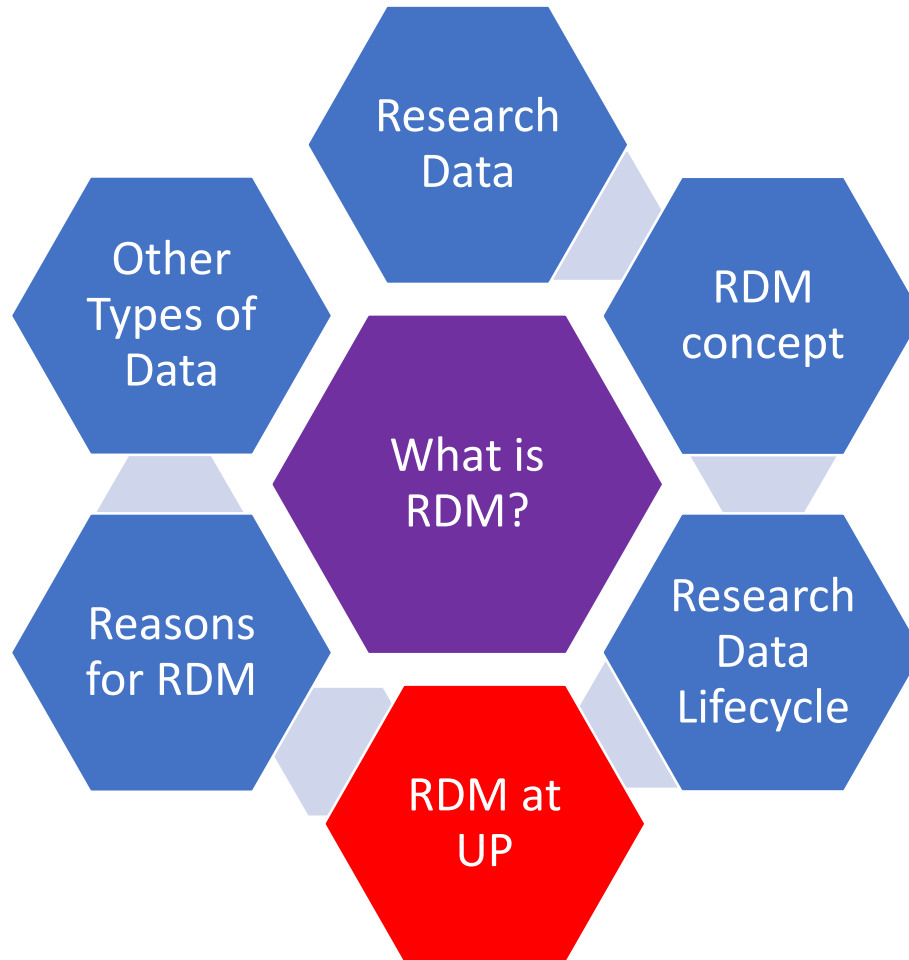
Module 1 – What is RDM and RDM at University of Pretoria

Module 2 – University of Pretoria RDM Policy Overview

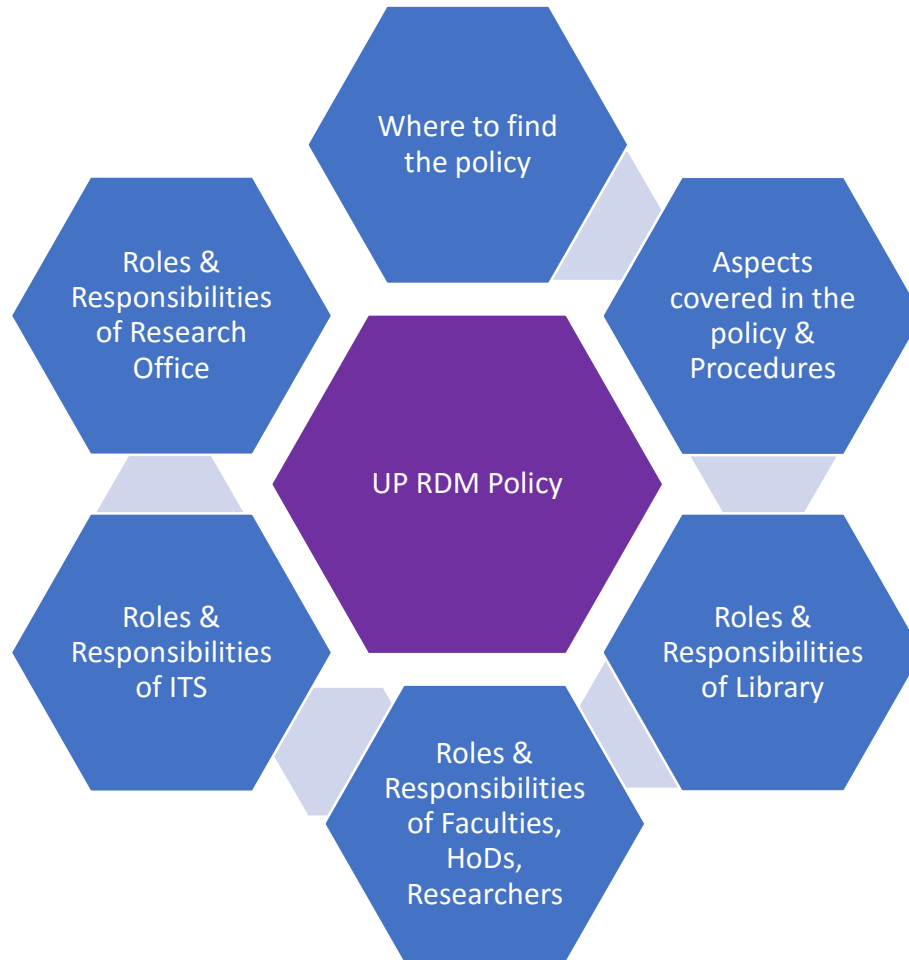
Module 3 – Data Management Plans & Jargon Busting



What is RDM and RDM at UP - Content



UP RDM Policy Overview - Content



Data Management Plans & Jargon Busting

- Content

DMPOnline

- Hands-on Training Session

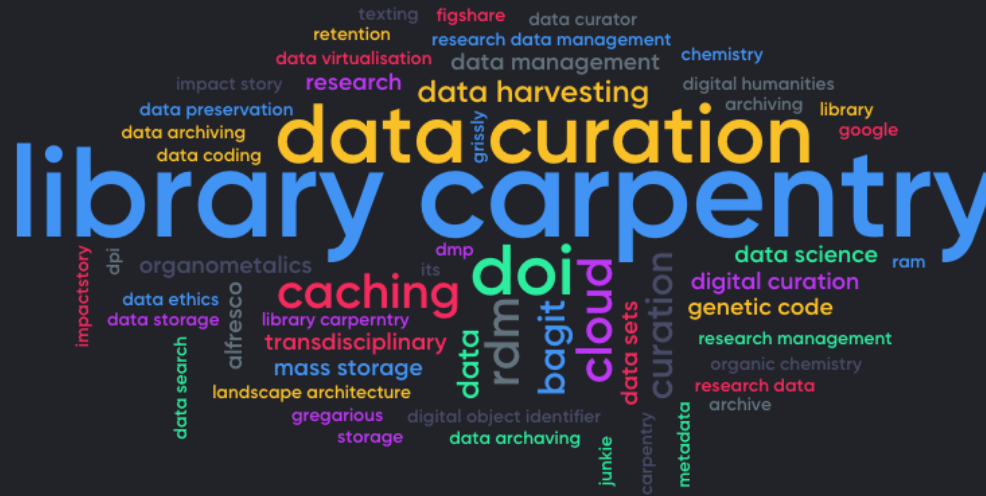
Jargon Busting

- Used Mentimeter, followed by a discussion

Jargon Busting Word Cloud

What terms are you unsure of?

Mentimeter



48

How the Training was delivered at UP



In-house Workshops

- Spread over 2 months with 2 sessions per week
- Attendees: Library Staff and staff from University Research Office
- Workshops repeated on request



Narrated PowerPoints of these workshops

- Available on our Digital Scholarship Website

RDM Essentials

For Librarians and Researchers

Data Citation

- Citation for humans and machines (Value)
- Data Citation Principles
- Citing / Referencing Datasets (in text and in reference list)
- Citing / referencing software & coding
- Harvard, APA, Chicago, MLA and other techniques

Metadata Standards

- Types of Metadata, e.g. Technical, Descriptive, Administrative, Technical, Preservation
- Schemas, e.g. Dublin Core, MODS, PREMIS, DataCite

Data Repositories

- Best Practice
- Preparing data for deposit
- Types of repositories
- Hands-on training in UP Research Data Repository

RDM Essentials (continued)

For Librarians and Researchers

Organising Data

- File Naming Conventions
- File Versioning
- Field names and folders

Copyright, ethics Licensing & IP

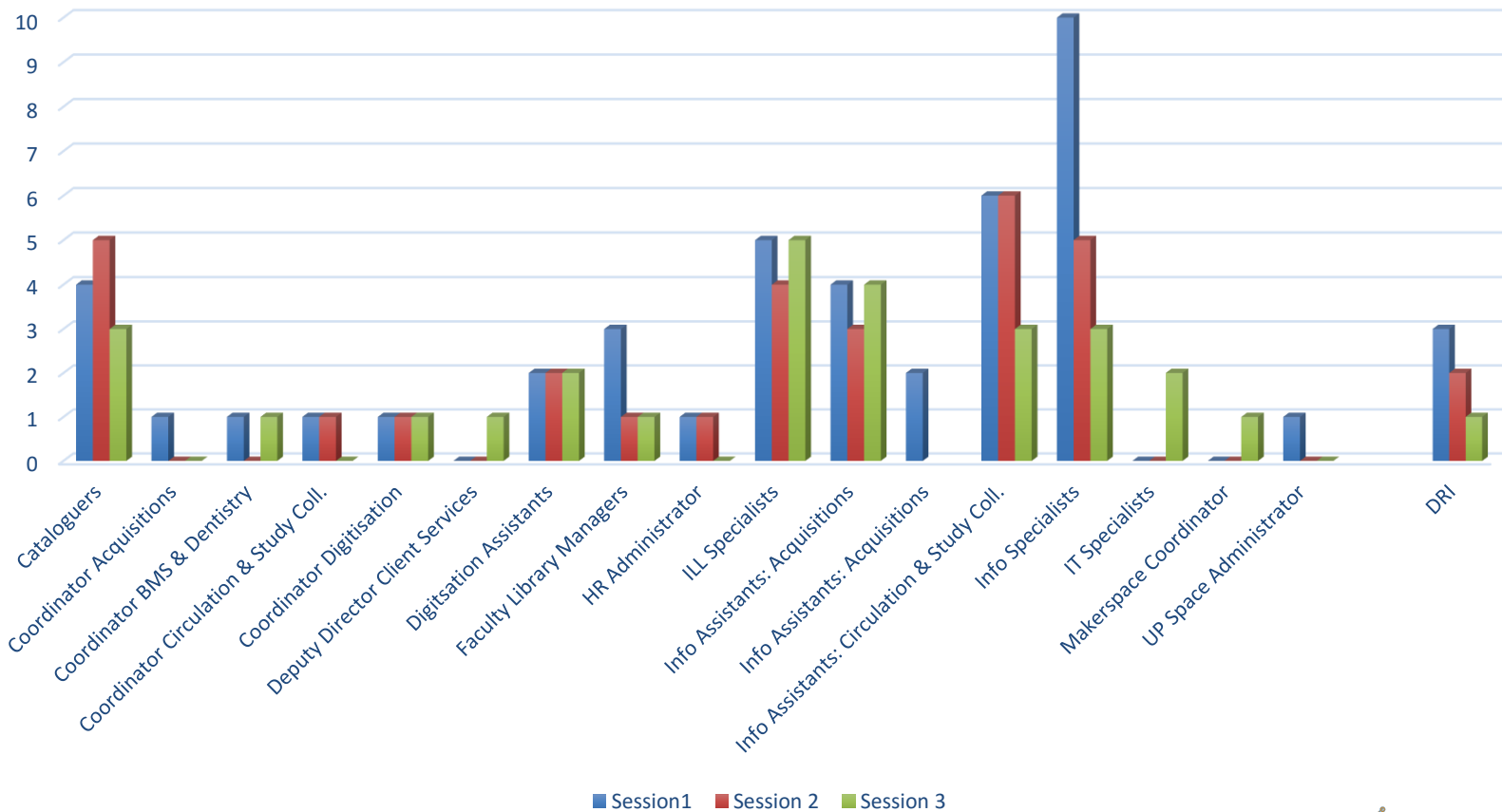
- Data Sharing and ethics
- Anonimisation of data
- Ownership & Intellectual Property
- Licensing of Data (e.g. Creative Commons Licences)

Data Preservation

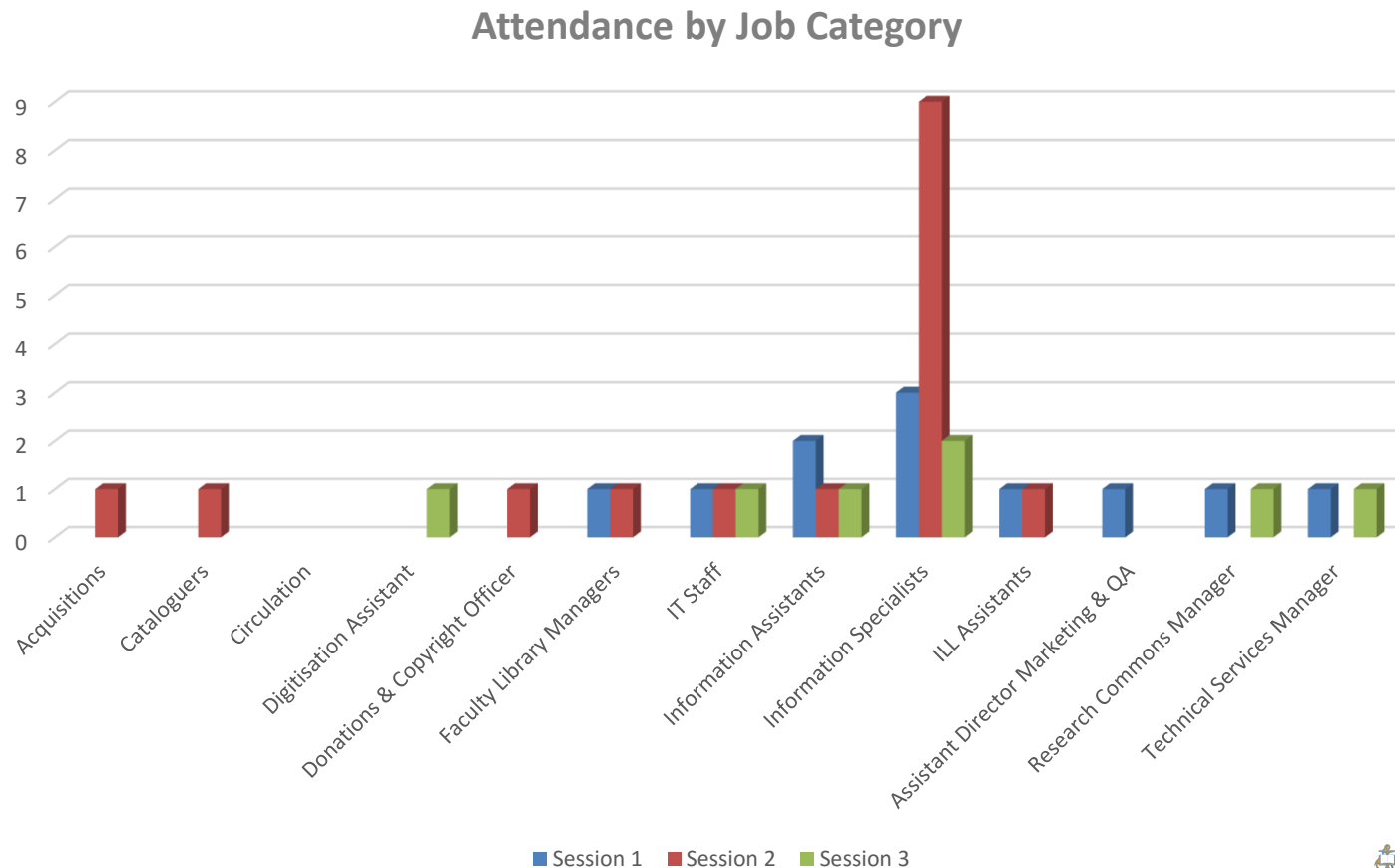
- Preservation File Formats
- BagIt specification
- Preservation systems
- Roles, Responsibilities & processes

Attendance by Job Category – 1st Round of Workshops

Attendance by Job Category



Attendance by Job Category – 2nd Round of Workshops

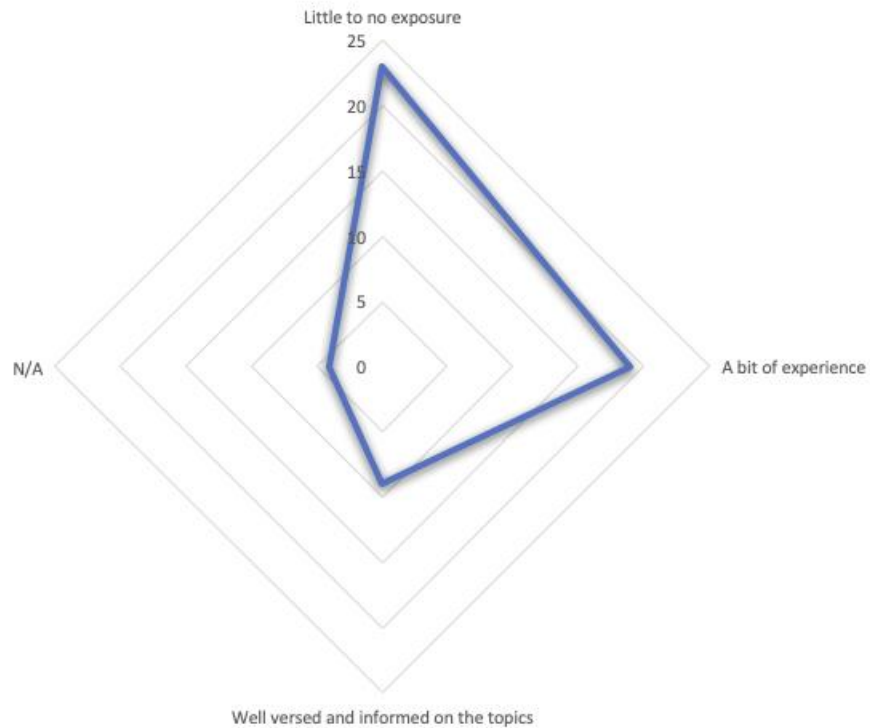


Impact of Training

Radar graph on experience before and after training

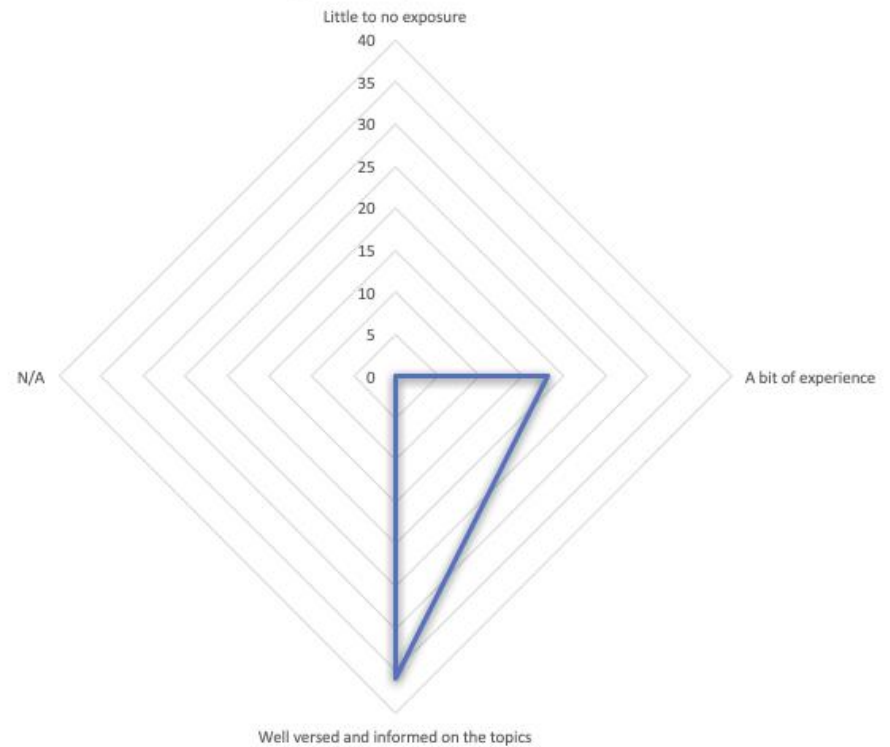
March 2018

Type of Experience



Nov 2018

Type of Experience



What's next ?

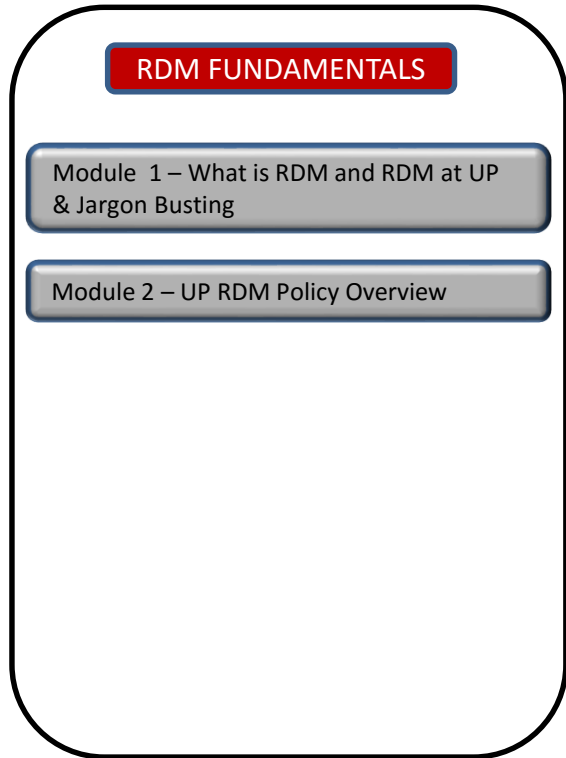
Data Intensive Stream

- Aimed at equipping specific library staff and researchers with digital scholarship skills
- This will be done through:
 - The Digital Scholarship Centre
 - Training and workshops
 - Access to required infrastructure and software
 - Guidance and consultation

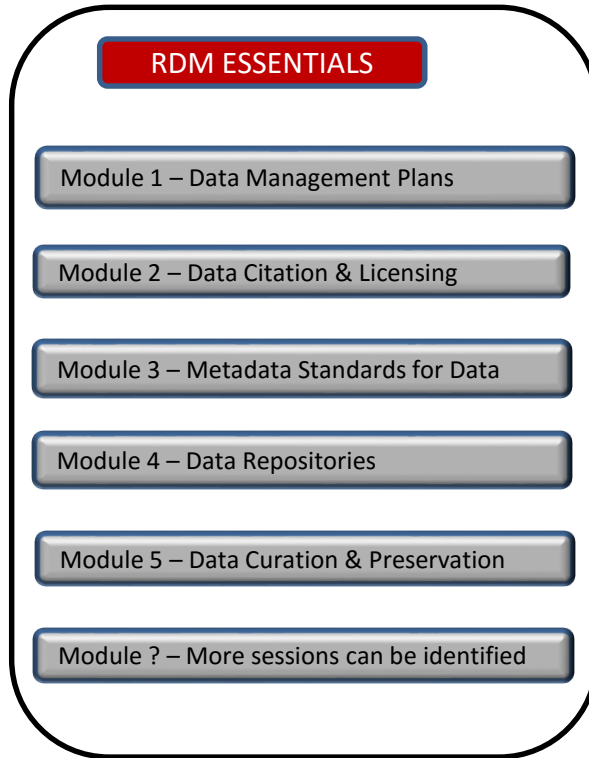


Data Intensive Stream

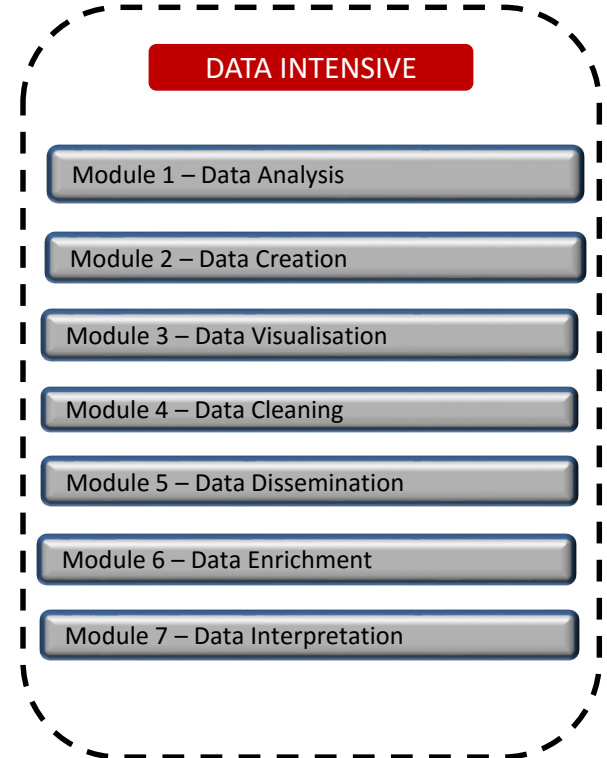
RDM Readiness Training Toolkit



All Staff



Librarians & Researchers



Specialists in Library & Researchers

Thank You

