The Only Constant is Change: evolving the library support model for research @ University of Melbourne
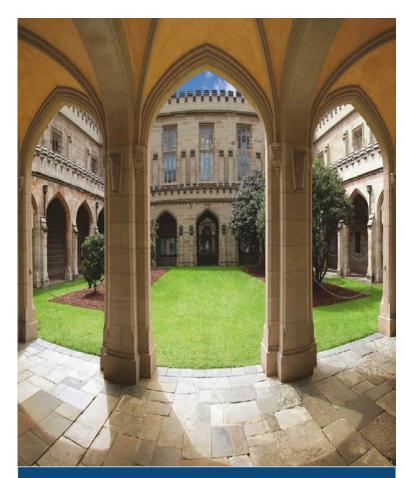

Donna McRostie

Associate Director, Research Information Management

Research and Collections (University Library)

University of Melbourne - Victoria, Australia
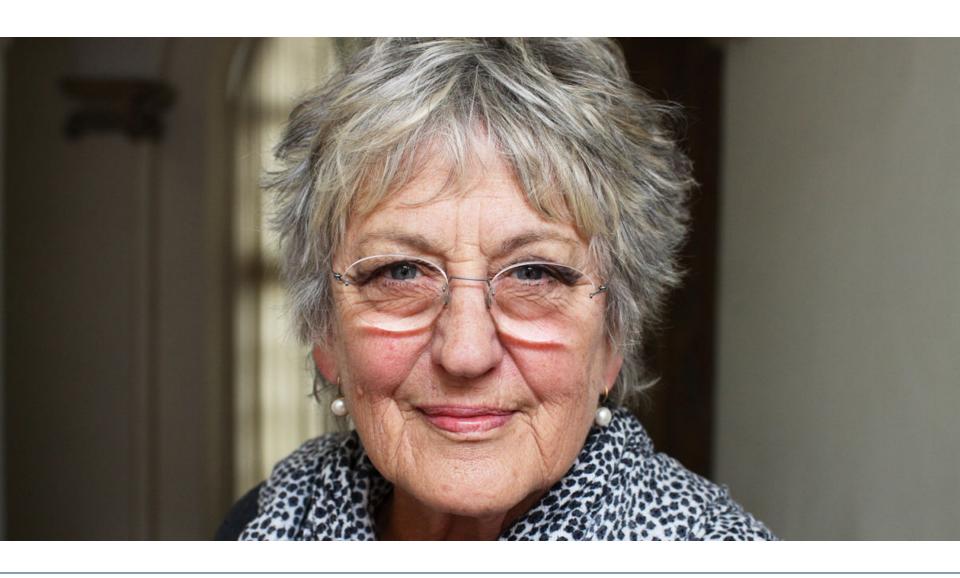
Email: mcrostie@unimelb.edu.au

THE UNIVERSITY OF
MELBOURNE

POSTERA CRESCAM LAUDE

Established in 1853, the University of Melbourne (UoM) celebrated its 160th anniversary in 2013

- Robust Student Demand
  - **45,000+ FTE students** (34% international)
- Major Employer
  - **8,000+ FTE staff** (49% professional, 51% academic)
- Commercially Focused
  - Melbourne Curriculum introduced in 2008
  - Melbourne Operating Model introduced in 2014

#1 in Australia

#33 in the world

Times Higher Education World Rankings 2015/2016

2

University Services Operations

Head of University Services

Research, Innovation and Commercialisation
- RICE Operations
- Major Initiatives, Grants & Contracts
- Teaching and Learning
- Corporate Support
- Ethics and Integrity
- Carlton Connect Initiative

External Relations
- Marketing and Communications Planning
- Market and Communications Channel Management
- Onshore Recruitment
- Offshore Recruitment
- International Relations

Academic Services
- Student Enrolment
- Academic Administration
- Student Service Delivery
- Student Success
- Wellbeing
- Learning Environments
- Scholarly Information
- Research and Collections

Infrastructure Services
- Client Services
- Campus Services
- Research Platform Services
- Space Management
- Applications and Technology Management

Finance and Employee Services
- Employee Lifecycle Services
- Capability Development
- Employee Relations
- Health and Safety
- Finance Operations
- Finance Services and Business Systems
- Research Accounting

Legal and Risk
- Legal Services
- Records and Compliance
- Audit Assurance Services

University Procurement Services
- Procurement Services
- Senior Purchasing Manager
- Procurement Services

Project Services
- Project Management Office
- Business Projects
- Business Improvement and Information Technology
- Construction – Planning and Delivery

Business Intelligence and Reporting
- Business Intelligence
- Reporting
- Data Quality

RESEARCHER @ LIBRARY

IDEAS & OPPORTUNITIES → **GETTING THE GRANT** → **MANAGING INFORMATION**

PRESERVING & ARCHIVING ← **MEASURING IMPACT** ← **PUBLISHING & SHARING**

Research Information Management

(Extreme expertise, service management, innovation in research support & services)

- Digital Scholarship
- Institutional (Open Access) Repository
- University Digitisation Centre
- Graduate Research Training & Engagement

Liaison Librarian (Research) – Scholarly Information

(Front Line Service Delivery)

- Research Consultations
- Research Impact
- Research data management planning (in collaboration with Digital Scholarship team)

http://library.unimelb.edu.au/research

- Established in 2013

- Currently consists of:
  - Manager, Digital Scholarship
  - Research Data Curator
  - Project staff

- Small team, many connections:
  - University Digitisation Centre
  - Escholarship Research Centre
  - University Melbourne Archives
  - Research Platform Services (Infastructure)
  - Office Research Ethics Integrity
  - Academic faculties/divisions
  - Melbourne Research
  - Library groups

http://library.unimelb.edu.au/digitalscholarship

Research Data Management:

- support researchers in managing their research data

- Data Management Planning

- Support for grant applications

- Consultation and advice on:

  o Policy and good practice

  o Procedures and guidelines

  o Local rules for management of research data and records

  o Tools and resources

http://library.unimelb.edu.au/digitalscholarship

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Doing Data Better @ Melbourne is the hub for RDM activity at the University of Melbourne
- Collaboration between Digital Scholarship, Research Platform Services, Office of Research Ethics and Integrity
- Established mailing list for communication and collaborative problem solving research-data@unimelb.edu.au
- Organisation of events and activities

http://researchdata.unimelb.edu.au/

DMPOnline

- Produced by the UK's Digital Curation Centre

- Online tool to help researchers create, manage and maintain data management plans

- Establishes compliance with local UoM RDM rules/policy and requirements from funding bodies

- Ability to export "Management of Data" statement for grant applications

- First version due 2016

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Melbourne_MANTRA

- online training pilot for Graduate Researchers on Research Data Management.

- UoM version of acclaimed program developed by the University of Edinburgh.

- Version 1.0 due in 2016

- Pilot version available online

Research Data Curation & Preservation:

- ongoing, structured processes for capturing and providing stewardship for research data

- Our data curation services aim to:

  - o enable data discovery and retrieval

  - o maintain quality

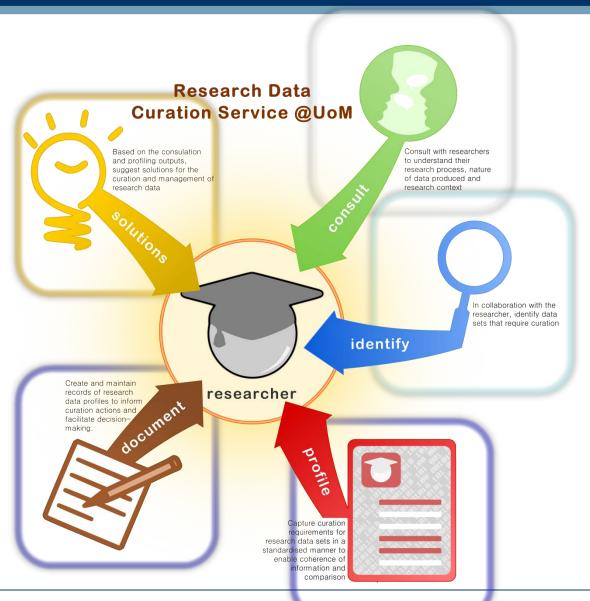 - o add value, and

  - o provide for re-use over time

- Fee-for-service basis

- Research-focussed services:

  - o Tailored requirements capture

  - o Data Curation Profiles

  - o Advice and guidance for completing Data Management Plans.

  - o Curatorial solutions for data presentation, dissemination and security; organisation & cataloging; data citation and discovery; and preservation planning and action.

http://library.unimelb.edu.au/digitalscholarship

Research Data Curation Service @UoM

Based on the consultation and profiling outputs, suggest solutions for the curation and management of research data

solutions

Consult with researchers to understand their research process, nature of data produced and research context

consult

In collaboration with the researcher, identify data sets that require curation

identify

researcher

Create and maintain records of research data profiles to inform curation actions and facilitate decision-making.

document

Capture curation requirements for research data sets in a standardised manner to enable coherence of information and comparison

profile

Five-step process:

1. **Research data consultation**

2. **Identification of research datasets**

3. **Profiling of identified datasets (requirements capture)**

4. **Documentation**

5. **Curatorial Solutions**
   - Presentation and dissemination
   - Accessioning, organisation & cataloguing
   - Forensic Analysis
   - Discovery
   - Preservation planning & action

Research Data Forensics:

- services for examining, analysing, recovering, re-using and preserving data stored in digital media in a forensically sound manner

- Forensics lab set up in 2014

- Forensic investigations include:

  o Acquisition and imaging of data from one or more storage media.

  o Investigation and examination of all information

  o Data curation, including forensic accessioning of digital media

  o identification of storage media; characterisation of file formats; and preservation action (e.g. migration of obsolete file formats)

  o A full, detailed forensic report

http://library.unimelb.edu.au/digitalscholarship

Training and outreach:

- Workshops that educate on Digital Scholarship-related tools and best practices
    - Modular program: basics to advanced
- Events that equip researchers and information professionals with global knowledge of trends in the area of technology and scholarship

http://library.unimelb.edu.au/digitalscholarship

Social and Cultural Informatics Platform

Social & Cultural Informatics Platform (SCIP)

- Collaboration between Faculty of Arts, Melbourne School of Graduate Education and Research Platform Services (IT infastructure)

- employs innovative sociotechnical methods, practices and protocols for collecting, managing, re-using and curating valuable research data in the Humanities, Arts & Social Sciences (HASS) and the Visual & Performing Arts (VPA).

http://scip.unimelb.edu.au

Research Data Management

From inception of your research project to completion and beyond, the SCIP can help you comply with funding requirements and make the most of your valuable research data.

Research Tools & Services

Enhance your research methodologies and innovate via a range of tools and services for capturing, analysing, visualising and presenting research materials.

Training and Events

Participate in training, events, and outreach activities, which promote awareness and understanding of the issues relevant to social & cultural informatics.

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SCIP Social and Cultural Informatics Platform

New role: socio-informatician

- Two socio-informatician roles within SCIP

- Roles involve the application of a broad **range of data management, archiving and technical skills** in HASS and VPA research.

- liaise and **work closely with researchers** from the faculty partners

- identify and **report on gaps in research support** provisions

- assist in **organising, processing and analysing research data**

- explore and **implement informatics solutions**

- Consists of:
  - UDC Coordinator
  - Technical, Comms and Imaging officers
  - Support staff

Our objectives:

- Create a 'centralised' digitisation facility equipped with state of the art capture and conversion equipment.

- Provide relevant support infrastructure and training facilities to enhance the University e-research, learning and teaching and knowledge engagement strategies.

- Meet the digitisation demands in the corporate operations of the University

https://digitisation.unimelb.edu.au/

2D Digitisation:

Books, Large Format, Documents, Re-born digital and OCR, Self-service

3D Digitisation:

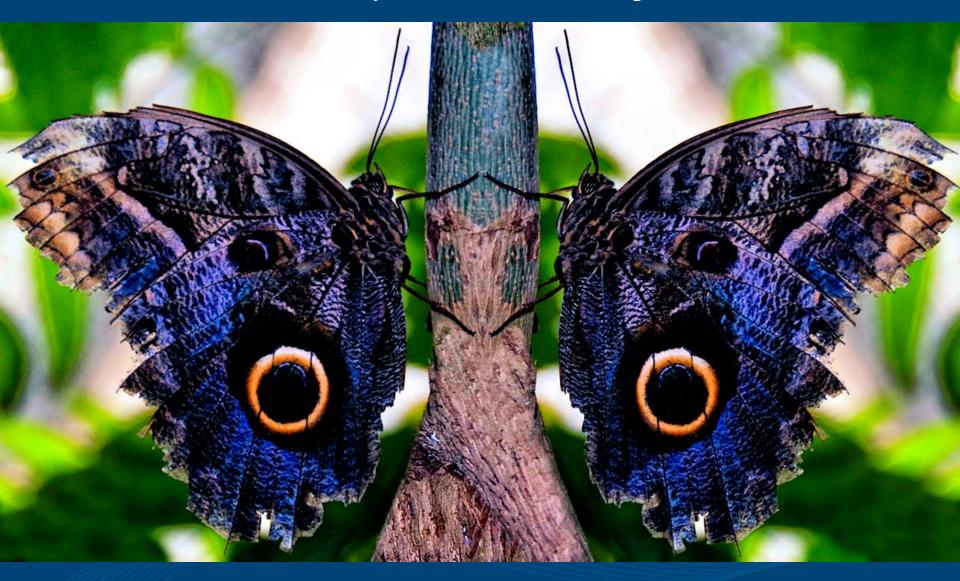- 3D scanning, Photogrammetry https://sketchfab.com/uomdigitisation

Consultations:

- Equipment purchasing, Budgeting and costing for digitisation, Advice on out-sourcing

Training:

- Digitisation 101 – an introduction to digital images, their creation, uses and common pitfalls

- Digitisation Boot Camp – a hands-on session at UDC where participants will be able to have hands-on experience of digitising a variety of materials using a variety of equipment

https://digitisation.unimelb.edu.au/

The only constant is change

Keep our eyes on the horizon..