Why Visit our Poster?

• To hear about the Research Data Alliance (RDA):
  • What is the RDA?
  • What benefits can RDA provide to you?
  • What would you need to invest?

• To see some case studies and examples:
  • How have others engaged with the RDA?
  • What have they gotten out of their engagement?
  • Was it worth it?

Thank You!
COLLABORATION FOR DEVELOPING AN INSTITUTIONAL CURATION LIFECYCLE MODEL
Understanding the ‘R’ in the FAIR Principles
Dr Robin Burgess, University of New South Wales
SWOT Diagram for Data Sharing in Agriculture Researcher

- Positive attitude on Sharing
- Reuse practice is occurred
- Multidisciplinary and collaboration research
- Mandate from fund agency

Lack of time and data management skill

A few acknowledgement and credit

ID208 Jirawan Sriwong
Prototype: QR Code link to Prototype (work in progress)

Collaboration: content research, promotion & tech partnerships

Collections: Digital Collections acquisition timeline since 2012

Access: QUT Digital Collections – user access to the collections

Discovery: New Data Visualisation interface - using D3 JS library

Story: A Discovered Story – updates dashboard

Input: CSV tabular data converted to hierarchy data tree model

Title/Author: Discovering Engaging Stories
Organiser instead of plan
- Supports the **whole lifetime** of a project and beyond
- Engages all **stakeholders**, not only researchers and funders
- **Tracks** all relevant information for the data management

Local instead of central
- Full **customization** of the questionnaire and the output
- **Disciplinary** context of the particular research field
- **Local** environment of the Institution
- **Open-Source**, well documented and available on Github
- ...
Embedded Data Stewardship: A community-driven agile self-assessment framework for monitoring and improving the quality of research data management. Heike Neurath, Laura Roth Fritz (University of Applied Sciences, Potsdam, Germany)
#212
Building a Medatada Framework for Social Media Data Reuse

Ming-Hsin Phoebe Chiu
National Taiwan Normal University

Detecting depression
Predicting path of sexually transmitted disease
Surveying public opinions on public health topics
Evaluating drug effect based on patient reported outcomes

Social Media Data Reuse
Medical Research
Practical challenges for researchers in data sharing: disciplinary and regional differences

1750 researchers surveyed in 2018

- Is data sharing important to researchers?
- How are they sharing their data?
- What difficulties do they have?

Data analysed

- Disciplinary differences in sharing
- Career stages
- Regional differences

Survey respondents

Breakdown by subject and region:

- Medical sciences
- Physical sciences
- Earth sciences
- Other sciences

Data sharing methods by region

- Repository
- Supplementary
- Both
- Neither
Irish organisations and their research data: policy, practice and who’s involved

11 Irish organisations were surveyed in relation to data management

- What steps are they taking to curate their data?
- Which preservation actions?
- What policies are in place?
- Who is doing this work?
COMMON DIGITAL CURATION PRINCIPLES USED BY UQ LIBRARY TEAMS

Dr Rebecca Deuble (r.deuble@library.uq.edu.au), Mandy Swingle, Dulcie Stewart, and Fei Yu, The University of Queensland Library.

https://www.library.uq.edu.au  |  https://espace.library.uq.edu.au

- Preservation
- Licenses and Copyright
- Persistent identifiers
- Storage
- Metadata
An Analysis of Research Data Management Survey Responses: Interdisciplinarity, disciplinary Differences and temporal Changes

Analyses of survey participants' responses
1. Similarity (Jaccard)
2. Differences (principal components analysis)
3. Differences of patterns (graph analysis)

Findings
1. Similar answers in different disciplines: Interdisciplinarity
2. Opinions where to archive research data differ: Different challenges in disciplines
3. Need for advice on legal issues is not related to the need for storage and self-responsibility anymore: GDPR

Maximum Jaccard-Similarity between Survey Participants’ Responses

Franziska Weng (weng@rz.uni-kiel.de), Stella Thoben (thoben@rz.uni-kiel.de) and Thilo Paul-Stüve (paul-stueve@rz.uni-kiel.de), Project SynFo - Synergy Creation on the Operational Level of Research Data Management (www.synfo.uni-kiel.de), Computing Centre, Kiel University, Germany

Jaccard-Similarity:

\[ J(A, B) = \frac{|A \cap B|}{|A \cup B|} \]
**Travel Destination**
- Defining purpose and goal: planning institutional RD-support
- Monitoring development in technology, practices, policies

**Finding Companions**
- Forming a group: university staff, multi-stakeholder approach
- Project FDMentor: 5 Universities in Berlin/Brandenburg

**Supplies & Means**
- Inputs: RISE v1.1, CAF, CARDIO, DINI/ZKI, HRK, LEARN, LERU
- Financed by BMBF and University of Potsdam

**At the Crossroads**
- RISE framework: adapting it to German university context
- Deciding on the route:
  - 3 levels of capability in 8 support service areas

**Roadmap Points the Way Ahead**
- Decisions made: RISE-DE & roadmap complete
- Sharing experiences with the community
- Next journey: institutional implementation of RD-Services
A software for the realisation of an online collection of biographical data about university teachers

- Catalog entries contain information on the biography, the academic profile and the social activities of the teaching and research staff
- Developed in the framework of project Kiel Directory of Scholars
  - Department of regional history with focus on Schleswig-Holstein in the Middle Ages and early Modern Times
  - Research group for Communication systems
- Linked Open Data
- Semantic Web
- RDF / SPARQL
- Soon release as Open Source project
- gelehrtenverzeichnis.de
Collaborative project turns Finland into a LEADING DMP NATION

Data management planning is the first step towards FAIR!

TUULI PROJECT

Tuuli Project (2015-2018) matched together a community of over 40 data management experts from over 20 Finnish research organisations. Matchmaking was done by organising working groups, webinars and workshops. The expert community provided comments on the project plan, concepts, data contents as well as the functionalities of the system. Furthermore, members of the community participated in system conceptualisation, implementation and piloting, as well as in the collection of feedback.

Tuuli Project was funded by Ministry of Education and Culture.
RESULTS

Network of experts

Finnish instance of DMPonline

National DMP requirements

DMP Guidance

*Sosiogram at the beginning and after the project

Mari Elisa Kuusniemi, University of Helsinki, mari.elisa.kuusniemi@helsinki.fi
Anne Sunikko, Aalto University, anne.sunikko@aalto.fi
Minna Ahokas, CSC IT Center for Science, minna.ahokas@csc.fi

IDCC 2019, Melbourne
EXPLORING MOTIVATIONS OF MOBILE APPLICATION DEVELOPERS USING OPEN GOVERNMENT HEALTH DATA
A CASE STUDY IN TAIWAN

Wei-Chung Cheng / Ming-Hsin Phoebe Chiu / Sanghee Oh

1 PURPOSE
Investigate motivations of the software developers applying OGHD to mobile APPs for suggesting the government to optimize the policies and services.

2 METHOD
OGHD-based mobile APP
40-minute semi-structured interview

3 FINDING
FIVE factors motivate OGHD-based APP developers
- occupation
- functionality of the APP
- specific expectation
- external requirement
- safety

4 IMPLICATION
- Improve the qualities of OGHD such as metadata
- Promote the utilization of OGHD with reward
- Understand the civic communities’ needs
Purpose of accurate referencing
Requirements for references

In textual form:

In URN form:

Eld Zierau
elzi@kb.dk
Royal Danish Library

iDCC 2019
Melbourne, Australia
Repository Finder, a pilot project of the Enabling FAIR Data Project led by the American Geophysical Union (AGU) in partnership with DataCite and the Earth, space and environment sciences community, can help you find an appropriate repository to deposit your research data. The tool is hosted by DataCite and queries the re3data registry of research data repositories.

Search re3data for a repository to upload your data

See the repositories in re3data that meet the criteria of the Enabling FAIR Data Project.

http://repositoryfinder.datacite.org
Processes, Collaboration, Partnerships, Community Participation and Development

Australian Colonial Engineering Journals, Proceedings, Transactions (prior to 1920)

Digitisation
- Identify, locate, catalogue, scope, sponsor, digitise.

Hosting
- Agreement to host and manage digital repository.

Cataloguing
- Article level

Meta-Datasets
- Article meta data with links to digital resources

Digitised Membership Lists
- Membership lists provide basic details about who “qualified” at what “level” and “when”.
- Data extracted for further use in Family History library indexes and in other online resources.

Archived Membership Records
- Membership applications provide a wealth of verified primary biographical information, detailing an applicants education, career, sponsors, supporters and colleagues.
- Locate, identify, create finding aids, catalogue to folio/item level.

Other Primary Records
- About the history of Australian Society Membership Lists, Records, Publications
- Royal Societies, AAAS / ANZAAS, State Royal Society, other similar
- Engineering a new way of researching
- Articles, biographies, archives, registrations.
- Scientists, Engineers: manuscripts, in libraries, archives. Might not be catalogued / referenced to item / other secondary records

Current Progress
- Australian Engineering Learned Societies
  79% done, 8% in progress, 13% to be scoped.
  Most of the membership lists have been extracted.
- Other similar: Engineering Journals & Periodicals
  Only 1 of 5 done
- Collaboration with libraries that hold these serials is continuing.
- Other Australian Learned Societies
  50% of Australian Surveyor and Architect society done
  95% of the Australian Mining Engineering Institute done, but not readily discoverable
  100% of the State Royal Society and AAAS/ANZAAS done, but not readily discoverable

Lessons Learnt
1. For success you need:
   - Good collaboration,
   - Good team building skills,
   - Good project management skills
   - plus enthusiasm, drive and determination.
2. A flexible approach is needed for each digitisation task because:
   - Each publication
   - Each repository, and
   - Each host is different.

Further Collaboration
Ken McInnes
kmcinnes1@unimelb.edu.au
Crosswalk 4.0 does R (and more)

Florio Arquilla, Ph.D. and William Black, Ph.D.
Cornell Institute for Social and Economic Research (CISSER)

Corresponding author’s e-mail: fas2@cornell.edu

ABSTRACT

Crosswalk, formerly Setup Files Creator, which makes it easy for archivists, curators, programmers, and non-programmers to create SAS, SPSS, and STATA setup files for ASCII dataset that do not have programs to read them, made its debut as a Demo presentation at this 2017 ICDC in Edinburgh. Since then, original features were improved and new features were added including: a) re-engineered code structure to accommodate programs beyond the three leading proprietary software packages mentioned above, b) expanded DDI Cookbook 2.5 metadata that includes documents, study, and file descriptions; c) ability to write setup files for ASCII data with multiple records per case and binary data with multiple punches per column; and d) its latest addition, ability to write setup files for R matrix variable and value labels because R does not have variable and value label commands similar to the other three packages. This poster will take attendees to the inputs, the "back end," output, and improvements to Crosswalk since its debut in Edinburgh.
Investigating and supporting professional LIS/preservation education about digital forensics tools and methods.

Two primary research questions:

RQ1: What are the primary institutional and technological factors that influence adoption of digital forensics tools and methods in LIS classes in different educational settings?

RQ2: What are the most viable mechanisms for sustaining collaboration among LIS programs on the adoption of digital forensics tools and methods?

Christopher (Cal) Lee
International Digital Curation Conference
4-7 February 2019
Melbourne, Australia
Flexibility and partnership

Jenny Evans, University of Westminster
Tom Renner, Haplo

What is the Haplo repository, how does its flexible architecture work?

What are the benefits of using this repository software?

How does the University of Westminster use the repository as part of a wider research information management system?

How are the FAIR principles embedded in the repository?

How did institution and supplier collaborate, and use the repository software, to enable engagement with our research community, particularly those in practice-based creative arts and architecture at the University of Westminster?
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