Using figshare to meet Loughborough University's Research Data Management requirements

Dr Gareth Cole, Research Data Manager

Who am I?

- Research Data Manager at Loughborough – March 2015
- Data Curation Officer – University of Exeter (2011-2015)
- PhD Maritime History – Exeter (2008)
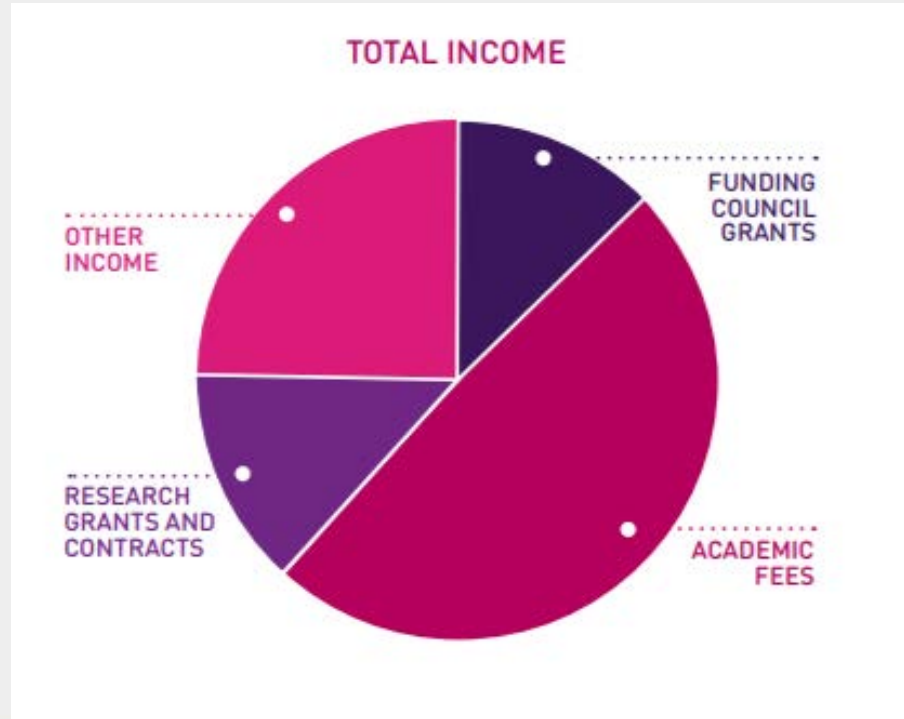

- Twitter - @DrGarethCole and @LboroRDM
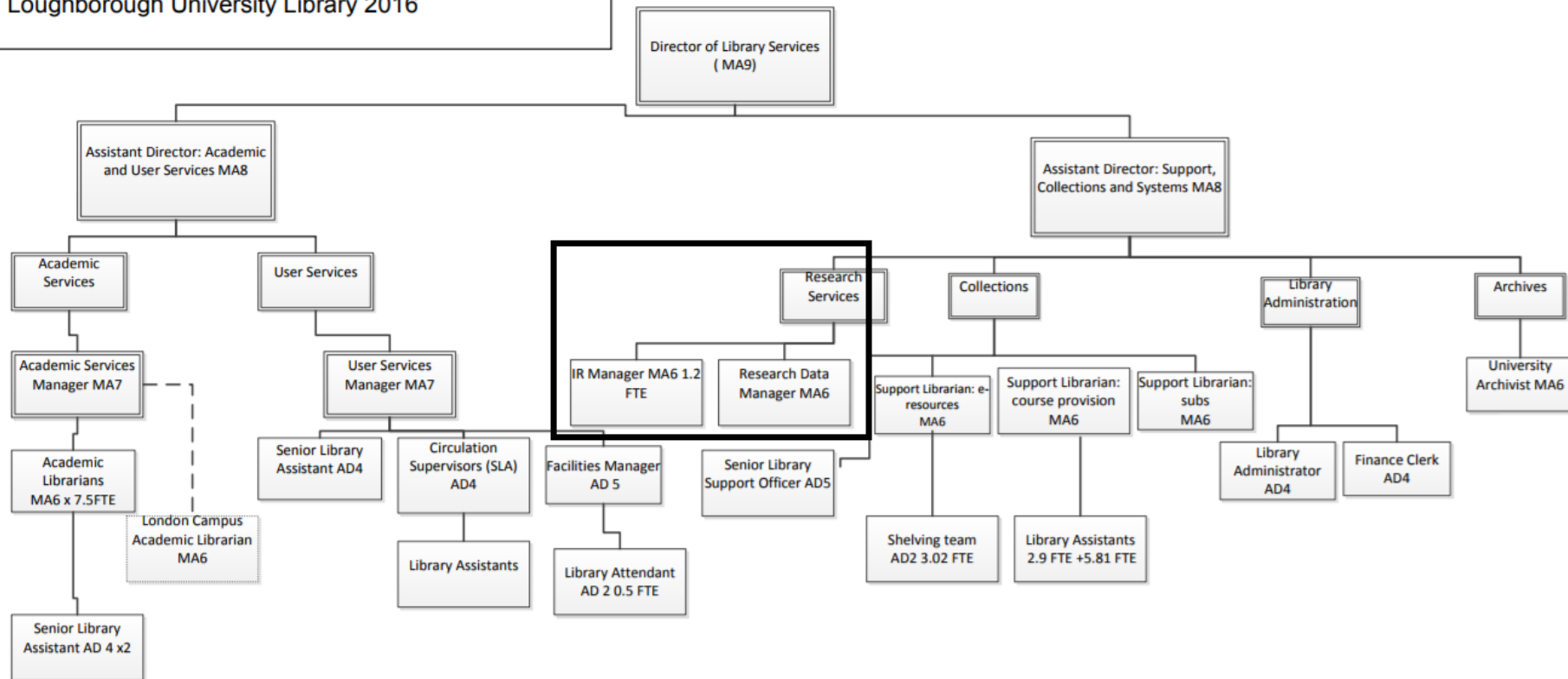- ORCID - http://orcid.org/0000-0001-7493-0137

Facts and figures

- Students (Jan 2017):
  - UG – 14056
  - PGT – 4612
  - PGR – 1408
- Academic staff – 754.3 FTE (Jan 2017)
- Research grants and contracts income - £40.1m (2015-16) (14% of total income, of which £20.5m Research Councils and Charities)
  - Latter figure grew to c£40m in 2016-17
- Two campuses – Loughborough and London
- Top 10 in all the UK league tables

Income by type at Loughborough (2015-16)

TOTAL INCOME

FUNDING COUNCIL GRANTS

OTHER INCOME

RESEARCH GRANTS AND CONTRACTS

ACADEMIC FEES

Loughborough University Library 2016

Director of Library Services (MA9)

Assistant Director: Academic and User Services MA8

Assistant Director: Support, Collections and Systems MA8

Academic Services

User Services

Research Services

Collections

Library Administration

Archives

Academic Services Manager MA7

User Services Manager MA7

IR Manager MA6 1.2 FTE

Research Data Manager MA6

Support Librarian: e-resources MA6

Support Librarian: course provision MA6

Support Librarian: subs MA6

University Archivist MA6

Academic Librarians MA6 x 7.5FTE

London Campus Academic Librarian MA6

Senior Library Assistant AD4

Circulation Supervisors (SLA) AD4

Facilities Manager AD 5

Senior Library Support Officer AD5

Library Administrator AD4

Finance Clerk AD4

Senior Library Assistant AD 4 x2

Library Assistants

Library Attendant AD 2 0.5 FTE

Shelving team AD2 3.02 FTE

Library Assistants 2.9 FTE +5.81 FTE

Changing policy environment in UK
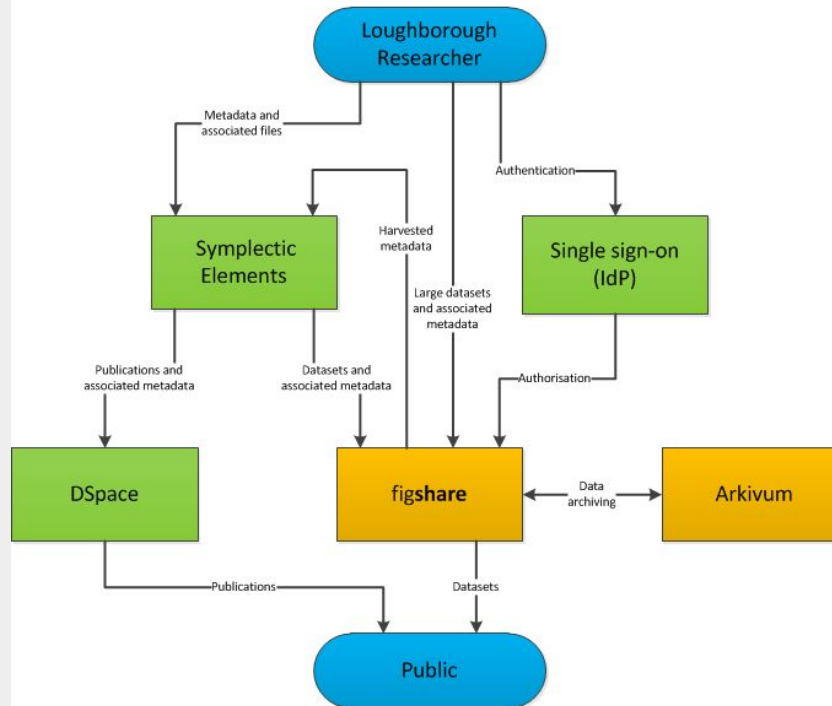
Researcher and Institution expectations

- Researcher
  - All RCUK funded articles should have a data availability statement
  - Deposit all articles within three months of acceptance/publication
  - Make data: "As open as possible. As closed as necessary"
- Institution
  - Archive and preserve data for 10+ years
  - Advocate to research community
  - Provide a Data Repository?

How this affected Loughborough?

- Or "How we got the cash from senior management"
- EPSRC expectations – c75% of research income at the time
- Fitted with the University Strategy priorities
  - Increase research visibility
  - Increase research income
  - Increase citation counts
- Led to:
  - Recruitment of Research Data Manager (in Library)
  - Work with figshare (front end) and Arkivum (back end) to create the Loughborough Data Repository
  - Establishment of a Research Data Service

RDM – the Loughborough Solution

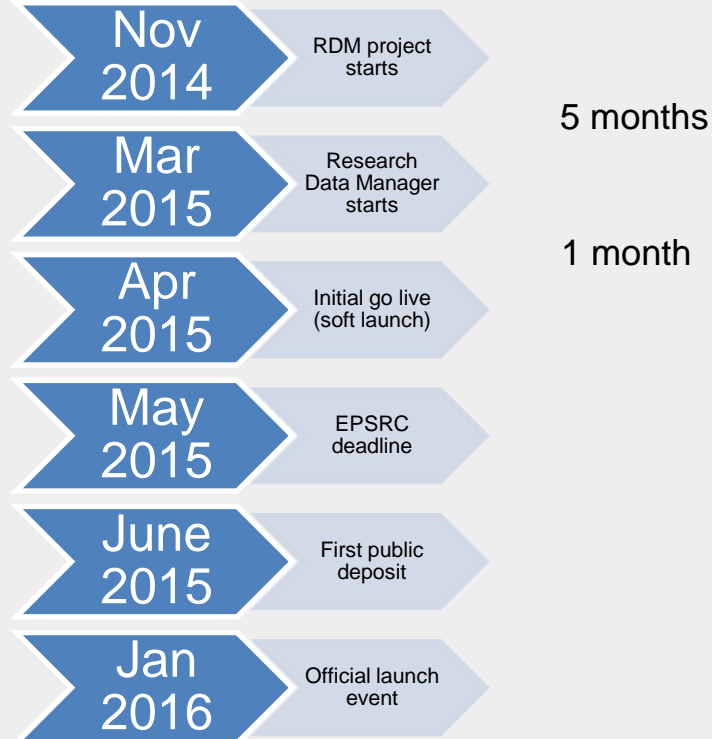Publications and Research Data Management systems and their interactions

https://doi.org/10.6084/m9.figshare.1604781.v1

Implementation Timeline

Nov 2014	RDM project starts
Mar 2015	Research Data Manager starts
Apr 2015	Initial go live (soft launch)
May 2015	EPSRC deadline
June 2015	First public deposit
Jan 2016	Official launch event

5 months

1 month

How is figshare used by researchers?

- Open records
- Embargoed records
- Confidential records
- Reserving DOIs
- Private records
- Projects
- NOT JUST FOR COMPLIANCE ☺

Deposits

- Over 180 so far and counting
- Not just compliance based
  - Researchers who want to increase their visibility
  - Researchers with non-text based outputs: https://lboro.figshare.com/Urban_Graphic_Object_Archive
- Data related to PhDs

Supporting Research

- Data repository named in grant applications
  - Major element within one application i.e. not just in the DMP!
- RD Manager a named advisor in a number of applications
- RD Manager a co-author on a number of conference papers

Challenges

- Culture change
- Reaching the academic community
- What data?
  - Raw
  - Processed
  - What format?
  - How much documentation…
- Language:
  - Is there data in Humanities?
  - What is metadata…?

The future

- Increase PhD engagement and use
  - Posters
  - Thesis data
- Increase academic take up
- UG work
  - Final year project data
- Digital Preservation

Get in touch

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  - Twitter: @LboroRDM or @DrGarethCole
- Scholarly Communications webpages:
  http://www.lboro.ac.uk/research/scholcomms/

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