RDM: Advocacy, Approaches and Tools

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Today's agenda

Policy

Tools

Advocacy

Sustainability

Policy

Response to EPSRC's expectations

Approved in February 2013

Revised in 2015

Will be revised again in 2018

www.lancaster.ac.uk/library/rdm/policy

Key points from the policy

Responsibility lies with Principal Investigator

Each project will have a Data Management Plan

As a minimum, research data directly associated with publications should be archived

All research data is stored for a minimal of 10 years unless required otherwise

What can be improved further?

Impact of GDPR on research data

Whether each project must have a DMP?

Specific statements for PhD students

Add Library in the policy

Advocacy

Top down to begin with - PVC Research

ROADMaP Steering Group

Associate Deans for Research, Research Support Office,
Library and IT Services

Central trainings and departmental meetings

Surgeries and individual support

Advocacy - Lessons learnt (1/2)

Top down is temporarily effective

If engaged, research directors can play a crucial role

Research data as a central training is a boring topic

Peer progression can take a long time unless
you have lots of engaged staff

Advocacy - Lessons learnt (2/2)

Continuous mixing up of approaches

Data Champions, Data Stewards, etc

Make it about their research

Lancaster Data Conversations

Offer food (we offer Pizza, cakes, tea and coffee)

Tools

Tough decision on selection of repository

Decided to use Pure - familiar interface

Developed Mint - a DOI minting tool

Developed our own Pure data extraction software - interoperability issues

Problem

At the time, Pure did not have the capability to mint DOIs. When the capability was developed, it would mint DOIs with minimal DataCite metadata. You are not able to reserve DOIs, neither can you mint DOIs for any other research output than research data.

Tools - Mint (1/3)

Mint DataCite | Lancaster University

Status

Pure ID: `123456` **Search**

DOIs

Full-text search for minted DOIs on title, description, keywords, person name, DOI, sizes, file rights and Pure UUID. For example, using *regulat* as a word prefix would match the whole words *regulate*, *regulatory* and *Regulation*.

Word prefix: `regulat` **Search**

DOIs   DOI reservations

Tools - Mint (2/3)

Mint | DataCite | Lancaster University

Mint a DOI

Dataset for Design of 71-76 GHz Double-Corrugated Waveguide Traveling-Wave Tube for Satellite Downlink

Letizia, Rosa

218311186

Dataset

Mint

Reserve

DOIs

← Previous **1** 2 3 4 5 6 7 8 9 … 39 40 Next →

10.17635/lancaster/researchdata/198

Detail   Edit

Pure ID	218138446
Title	Supplementary Online Material
Creators	Robertson, Janet
URL	[URL](#)

10.17635/lancaster/researchdata/196

Detail   Edit

Pure ID	175333622
Title	NUTCAT data for Data-Based Mechanistic (DBM) modelling of phosphorus load
Creators	Haygarth, Philip Matthew

Tools

Alternative options for data repository in 2016

Preservation was a key requirement

Jisc Research Data Shared Service Pilot

DMAOnline for reporting and analytics

Esploro Development Partner

Problem

RDM is a complex domain. It is really difficult to see administrative data about RDM in one place aggregated from multiple systems and at different levels of detail. Reporting is also complicated.

Data Management Administration Online

T
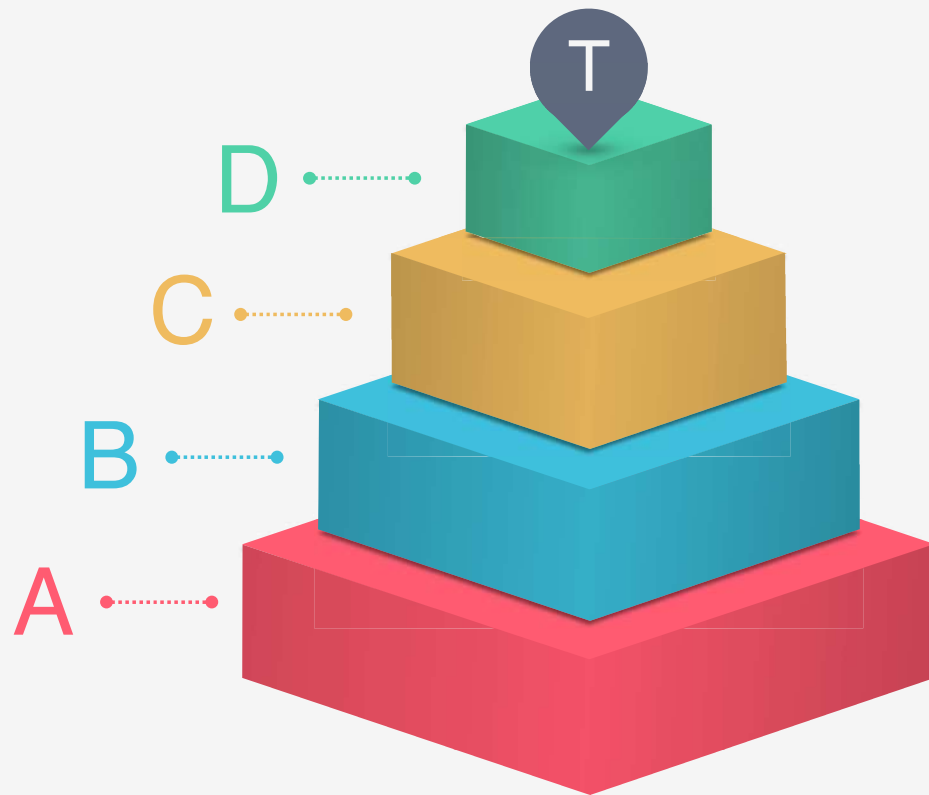
D — Dashboard for reporting or end points for Tableau

C — DMAOnline ingest engine

B — Messages and Events

A — Jisc Research Data Shared Service

Tools - DMAOnline (1/2)

Tools - DMAOnline (2/2)

Sustainability

In current form, RDM will be non-sustainable for us

Depends on academic culture shift

Lancaster Data Conversations as a key enabler

Embedding activities in departments

PRomoting Open Science PRactices - PROSPR

Lancaster Data Conversations

http://wp.lancs.ac.uk/highly-relevant/

#ludatacon
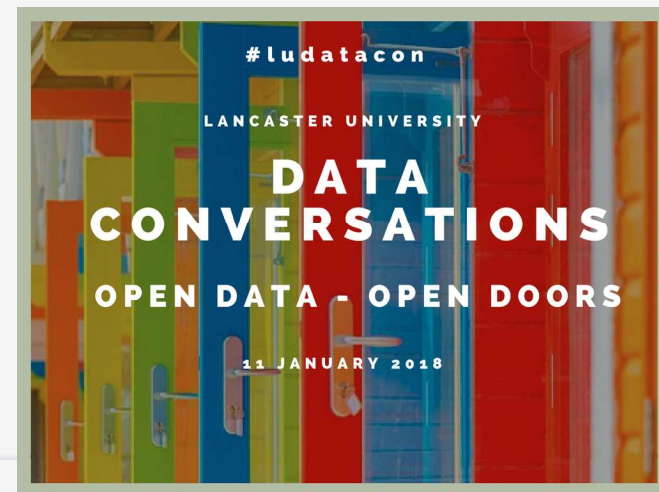
PRomoting Open Science PRactices (PROSPR)

Informal support group within Psychology

Members have been involved in:

- Registered reports

- Lab replication projects

- Study preregistrations

- Open access and open data

Showcasing the service

How good is your service for your researchers?

Data driven - We use CSAT for evaluating this

Reporting

Overview   Leaderboard   Knowledge Base   Community   Search   Satisfaction   **Insights**   Learn more
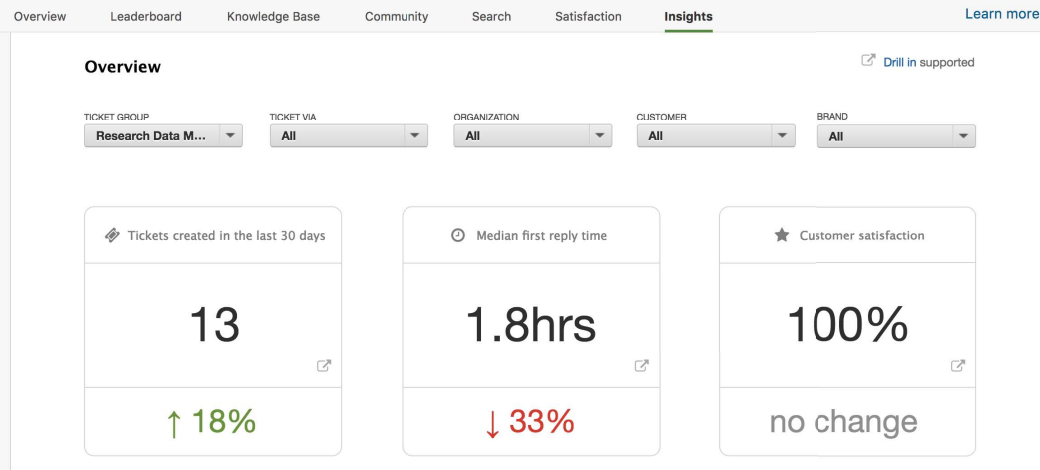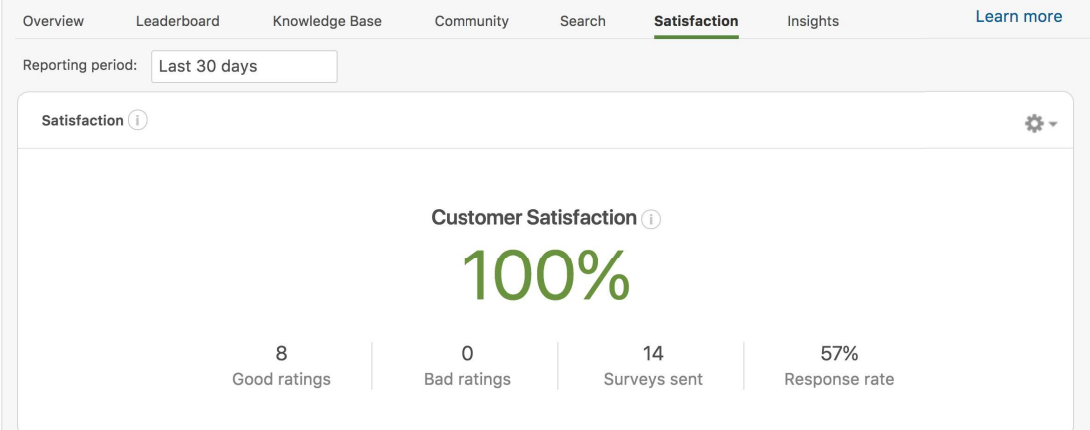
Overview
⬈ Drill in supported

TICKET GROUP	TICKET VIA	ORGANIZATION	CUSTOMER	BRAND
Research Data M... ▾	All ▾	All ▾	All ▾	All ▾

🏷 Tickets created in the last 30 days	⏱ Median first reply time	★ Customer satisfaction
13	**1.8hrs**	**100%**
↑ 18%	↓ 33%	no change

Reporting

Overview   Leaderboard   Knowledge Base   Community   Search   **Satisfaction**   Insights   Learn more

Reporting period: Last 30 days

Satisfaction ⓘ   ⚙ ▾

Customer Satisfaction ⓘ

100%

8	0	14	57%
Good ratings	Bad ratings	Surveys sent	Response rate

Moving forward

Impact of GDPR on research data

Implementation of Research Data Shared Service

Discovery and reuse of research data

Data citations and software citations

Impact of Machine Learning and Linked Data

Thank you

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