RDM webinar series
'From Strategy to Impact
What you need is an infrastructure
(people & technology) and a mindshift'

ELSEVIER

Webinar 2 of 3:
'Needle in a Haystack:
Where is my Institution's Data?'

Monitor & report research data

16 March 2023

What will await you today?

- Host: Lorenzo Feri, Director Product Management, Research Data Management Solutions @Elsevier

- Practice examples of two well respected universities, one in the UK and one in NL

  - Bill Ayres, Strategic Lead for Research Data Management @University of Manchester

  - Wiebe van der Meer, CRIS metadata specialist & Hester Kamstra, CRIS metadata support (university library) @University of Groningen

Research Data has become a high priority

- **Funders policies**

  Most funders around the world have a policy on Research Data sharing

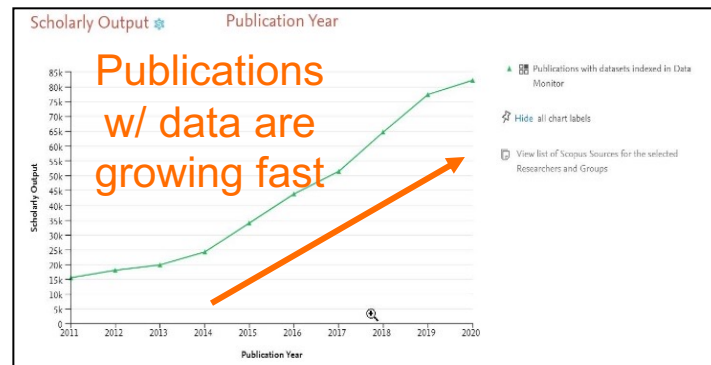- **Publishers policies**

  All the largest publishers (incl. Elsevier) have a policy on Research Data sharing

- **Government strategic agendas**

  Govts and national bodies around the world

"**No opting out** of RDM"

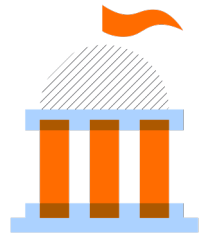Publications w/ data are growing fast

Aug 2022

US   France   Malaysia

Institutions are ramping up RDM efforts

- Hiring data stewards / data librarians

- Data Management Plans

- Data Repository

- Reporting (compliance, assessment, etc) on Data

- Showcasing Data

Challenge: Where is the institutions' research data?

Where is the institutions' Research Data?

Up to **90%**

- is deposited in any of the 1000s domain-specific / generalist repositories
- This is in accordance to community best practices and funders recommendations (e.g. NIH)

NEEDLE IN THE HAYSTACK:
WHERE IS MY INSTITUTION'S DATA?

Elsevier Webinar 16 March 2023, 14:00 CET

Bill Ayres - Strategic Lead for RDM - The Library
The University of Manchester

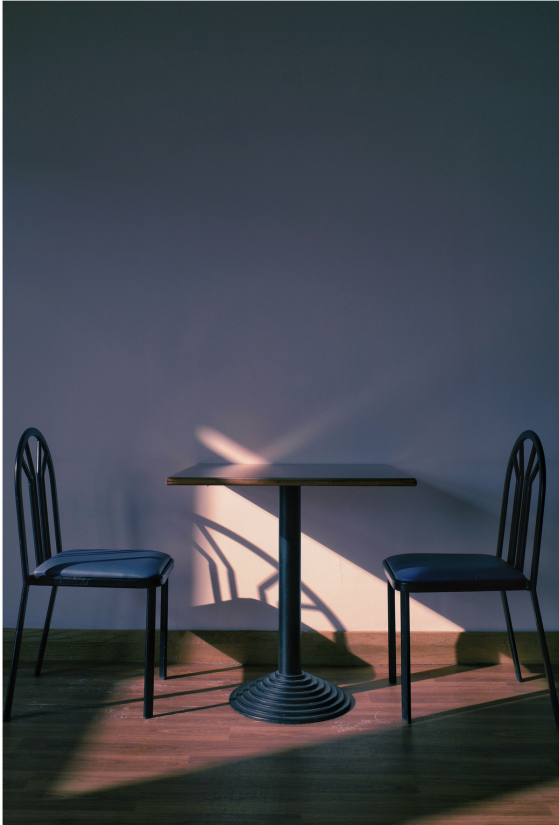bill.ayres@manchester.ac.uk

@BillAyres_UoM

Background, or "Give the people what they need"

- The Research Lifecycle Programme (RLP) - 2018 - ongoing

- We need our own research data repository

- For researchers who don't have an external RDR of choice

- For better support, administration and reporting

- To foster more effective data publishing

- Create a closer connection between our data outputs and institution

A new research data repository for our community

- Project to implement the RDR during 2019-21

- UoM Figshare for Institutions launched May 2021

- Owned and managed by The Library

- Training, advocacy and engagement

- Review and curation of deposits

- Reporting and administration

- Service development

- …and all the other stuff busy Librarians do :)

Can Figshare and Pure be integrated?

- Our CRIS is Pure

- Manual DOI submission process

- Something else for researchers to do

- How to present Figshare data in Pure?

- Nothing off the shelf or without a development cost

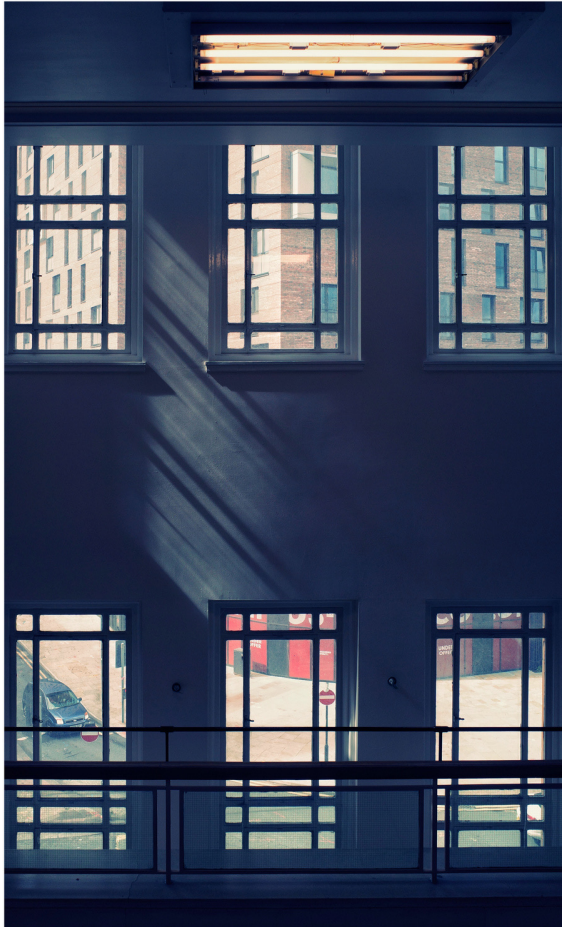- Wait a minute, "Data Monitor" ?

"Could Data Monitor be the answer?"

- An appreciation of Data Monitor's functionality

- This could be the link we need

- Let's talk about how to move forward

- Including Elsevier, RDM, Metadata and Pure Teams

- Working group assembled

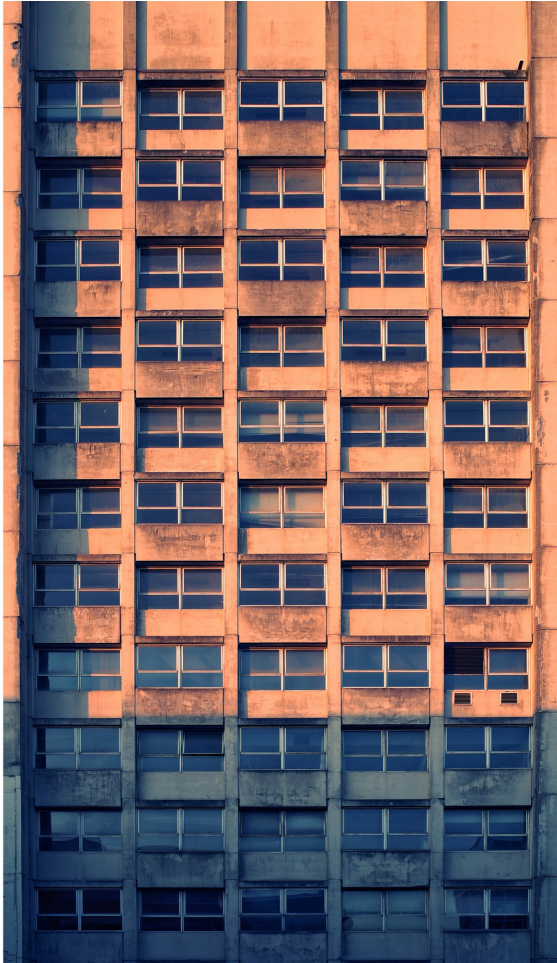- Essential to have the right people in the project group

Making it Work

- Training and familiarisation

- Implementation and testing

- Connecting our Figshare

- 15K data resources "in the wild" !

- Workflows and process

- Bugs and technical support

Ready, Let's Go

- Activation in live environments

- ~600 data resources to import

- Working through the list

- Becoming a standard task

- Unexpected behaviour and support fixing

"What about the rest...?"

- Returning to data resources in the wild

- Working group is assessing this

- Maybe the "big" RDRs first?

- Or should we aim for under represented data?

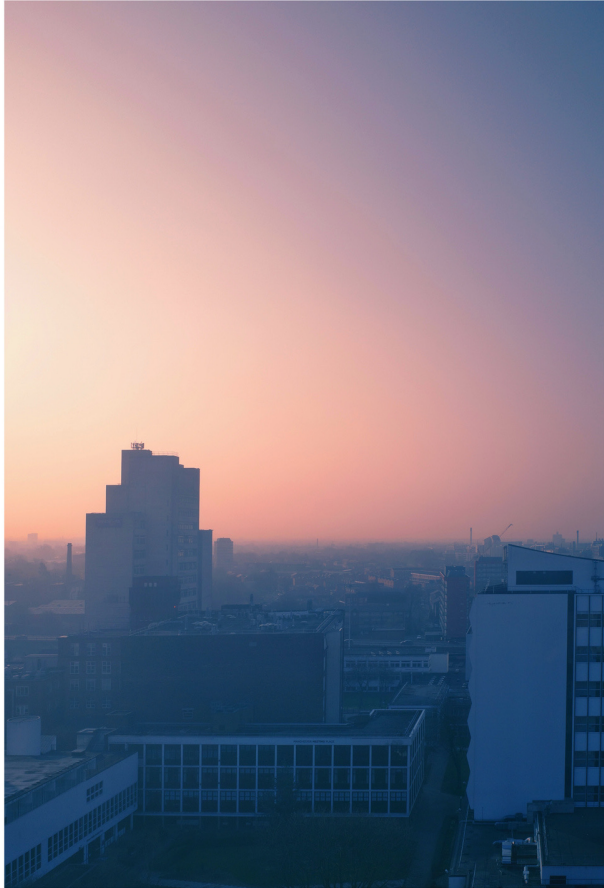- Resourcing questions

- To be continued...

The wider open research picture and unexpected benefits

- Priorities from our Open Research Strategy

- The "Open Research Tracker"

- Data Monitor as a part of this

- Unexpected benefits

- Open code and software

- Data stewards at UoM

Where are we now and where are we going?

- Data Monitor fulfils a crucial role in our infrastructure

- Removes a manual process for researchers

- Potential to work with other services in development

- Sustainable resourcing

- The wider community and our experience: talk to us!

Thank you, and some more information

- www.figshare.manchester.ac.uk

- www.openresearch.manchester.ac.uk/support/tracker/

- www.openresearch.manchester.ac.uk/projects/data-stewardship/

- www.library.manchester.ac.uk/services/research/research-data-management/sharing/

- bill.ayres@manchester.ac.uk

Webinar Data Monitor (Elsevier)

Wiebe van der Meer & Hester Kamstra (University of Groningen Library)
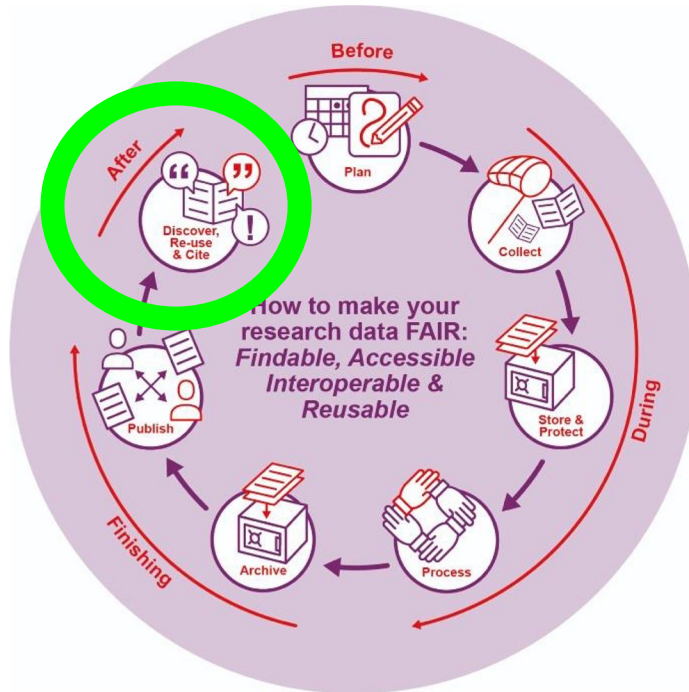
Dutch research infrastructure

Requirements by NWO (Dutch Research Council)

"NWO therefore expects researchers to: [...] Deposit research data in a trusted repository in such a way that the data are as findable, accessible, interoperable and reusable (FAIR) as possible."
(https://www.nwo.nl/en/research-data-management)

FAIR @ University of Groningen

"Place the spotlight on datasets and software from the UG research portal"

But… Only a very small percentage of datasets are stored in an institutional repository

1.Looking back
(Help, a haystack:
first datasets into CRIS)

Where to start looking?

- Known databases, manual query

- Link to data attached to publications

☺ Showing the datasets on our research portal

🙂 Filling in the metadata as completely as possible

😐 Incomplete information at the external repository

🙁 Defining the right query to find the right dataset

☹ Copying the metadata of a dataset with >50 authors

Considering our options

Case Study:
University of Groningen
How Groningen is drawing on the insights gleaned
from Data Monitor to shape strategic thinking

Research Intelligence

Data Monitor
Track and analyse your institutional research data

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> Lots of work for an incomplete picture

> API connection with Dataverse (but Dataverse was also included in DM)

> <u>Data Monitor pilot</u> (2019, 12-months)
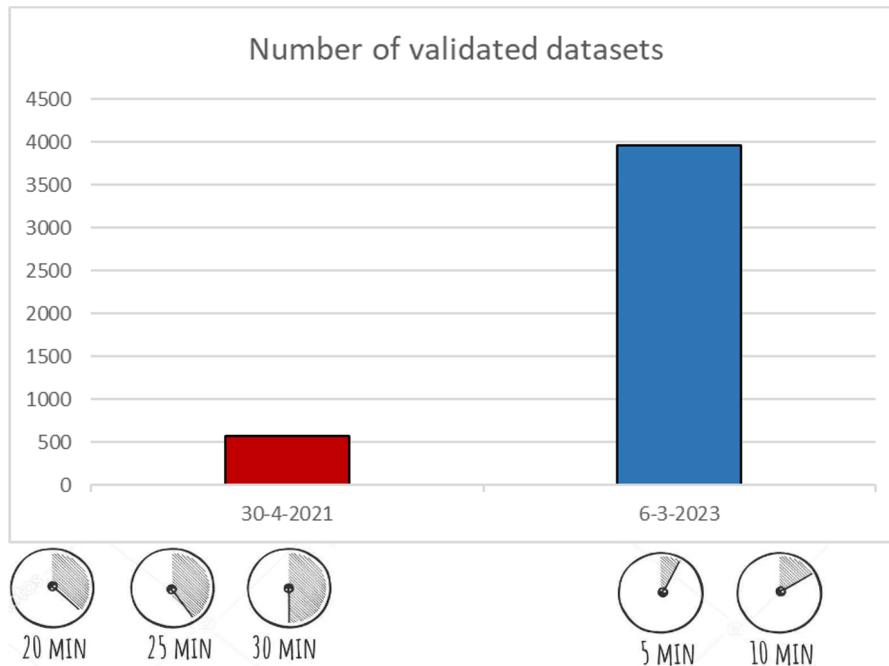
2. Current situation
(Systematically collecting needles from the haystack)

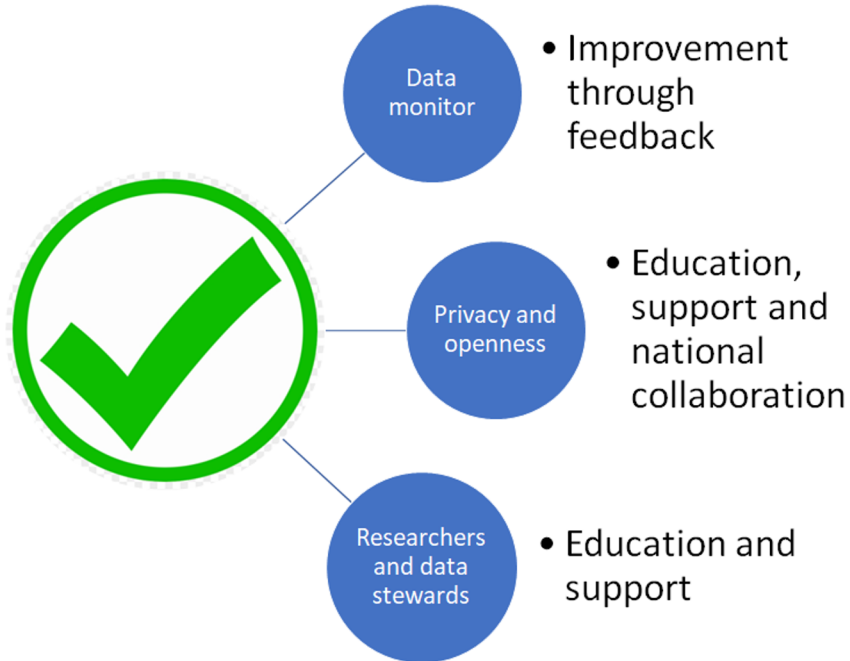# Manually vs DataMonitor

A wide range of sources

Issues

Solutions

3. Looking forward
(Monitoring (and adding to) the haystack)

Looking towards the future

- Monitoring and reporting (open science, FAIR - including datasets)
- Importing from own RDMS
- Role of data stewards (Groningen Digital Competence Center): education and support
- Continued cooperation with other Dutch institutions

Things we wish we'd known

› Starting to add datasets into CRIS before having a strategy (to look for them) = not a good idea

› Some fields of research have their own (very specific) relevant repositories (and therefore do not use DataverseNL)

› Completeness and data quality varies a lot among repositories

Please join us for more

Webinar 1

Your Institution's Research Data Deserves a Great Home: Publishing, archiving and preserving data

Guest speakers:

- DataCite
- Erasmus University Rotterdam
- ETH Zurich

Webinar 2 today

Needle in a Haystack: Where is my Institution's Data? Monitor & report research data

Guest speakers:

- The University of Manchester
- University of Groningen

Webinar 3 on 23 March 2023, 14:00 CET

RDM is a Team Sport, Not a Single Player Mission: Best national practices and future outlook

Guest speakers:

- Swedish National Data Service
- Technopolis Group

Sign up here: https://bit.ly/RDMWeb1

Where is your research data? How to find your institution's research data and monitor compliance?

Join our webinar
'Research data served fresh daily - How our customers find their research data in external subject repositories on 2 June 2023 11:00 CTE

Please register here: bit.ly/3mKhyEk

save the date®

How to organize the research data of my institute with Elsevier?

Floortje Flippo

Regional Director Research Intelligence Europe
Elsevier
f.flippo@elsevier.com