Pilot evaluations - DataMonitor

Data Monitor - Evaluation summary

- Overall, positive evaluation: majority of participants is satisfied:
  - 73% is satisfied or very satisfied
  - 27% wants a higher metadata quality before committing
- The great majority of participating institutions saw an improvement of their research data tracking processes
  - 7 participating institutions had no research data import process in place prior to the Data Monitor pilot
  - 75% of respondents with a process in place prior to the pilot (6 out of 8) found their new process with Data Monitor more or significantly more efficient
  - Overall satisfaction score of 7 out of 10 from 13 respondents
- Most participating institutions saw a strong increase of the number of research datasets in their systems
  needs more data points
  - Incomplete picture: recent data can only be seen for portal subscribers
  - Figures from December 2022 show positive increases
- Requested improvements have been identified and should be implemented before the end of the summer
  - Better author and affiliation disambiguation
  - Improve data quality (better identifying “real” data)
  - Better integration with Pure (for Pure customers)

Data Monitor - Evaluation questionnaire

Data Monitor pilot evaluation

The Data Monitor pilot was launched in April 2021.
As part of the overall UVN-NFU-NWO-Elsevier agreement, all pilots need to be evaluated after a period of time to assess how successful the pilot was and whether it should transition into a "service". If so, the service then runs until the end of the UVN-NFU-NWO-Elsevier agreement (i.e. December 2024).
This survey is one of the inputs used to evaluate the Data Monitor pilot.

Section 1

Tell us about you

1. Name of your institution? *

Entrez votre réponse

2. Your name and email address? *

Entrez votre réponse

Section 2

Evaluation of Data Monitor

3. How would you compare your current dataset import process (involving Data Monitor) vs. the one you had in place before? *

- ○ Significantly more efficient
- ○ More efficient
- ○ Similar in terms of efficiency
- ○ Less efficient
- ○ Significantly less efficient
- ○ We had no process in place before

4. How happy are you with Data Monitor? (from 1, extremely unhappy to 10, extremely happy) *

1	2	3	4	5	6	7	8	9	10

5. How happy are you with Data Monitor's integration with Pure? (from 1, extremely unhappy to 10, extremely happy; simply skip the question if you are not a Pure customer or are not making use of this integration)

1	2	3	4	5	6	7	8	9	10

Section 3

Improving Data Monitor

How important are the following improvements to make the service more usable? (from 1 star, not important to 5 stars, crucial)

6. Improve author identification (to simplify matching persons during import in your CRIS) *

☆ ☆ ☆ ☆ ☆

7. Improve cleanup of non-research data content (eg papers, spam) *

☆ ☆ ☆ ☆ ☆

8. Improve research data linking to publications *

☆ ☆ ☆ ☆ ☆

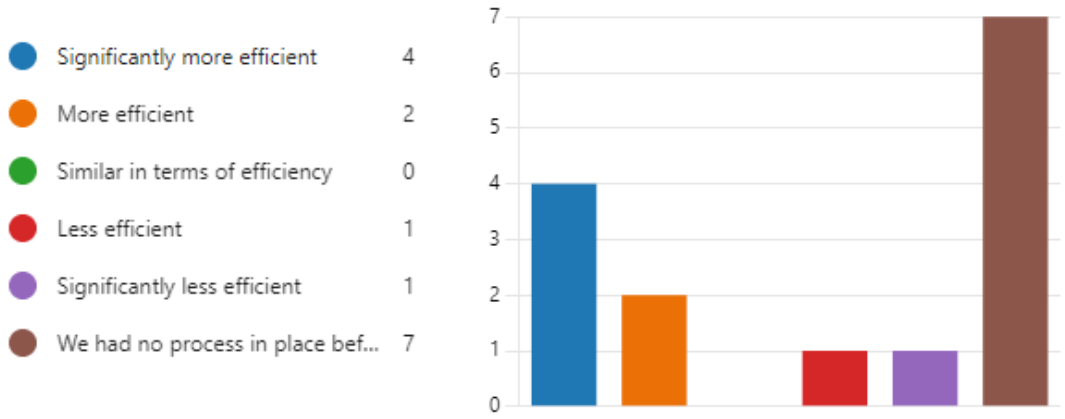
9. Do you have any improvement suggestions for Data Monitor or its integration with Pure?

Entrez votre réponse

15 respondents from 14 institutions (out of 18 participating institutions)

Data Monitor – Results from the questionnaire *(1/3)*

Q3: How would you compare your current dataset import process (involving Data Monitor) vs. the one you had in place before?



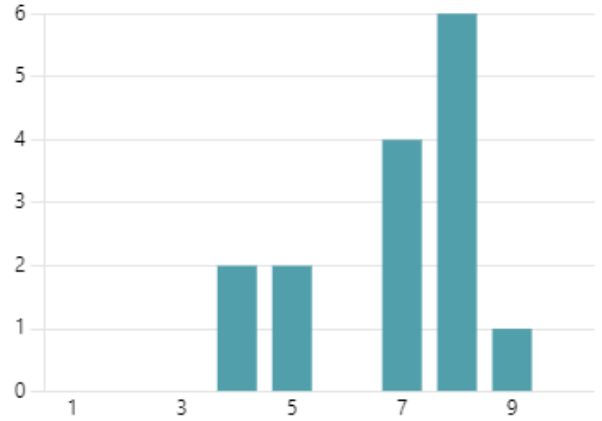
- **75% of respondents** with a process in place prior to the pilot (6 out of 8) found their new process with Data Monitor **more or significantly more efficient**
- When adding institutions that had no process in place before, **87% of respondents saw an improvement with Data Monitor** (13 out of 15)

Number of respondents: 15

Q4: How happy are you with Data Monitor?

1- extremely unhappy

10- extremely happy



- **Average score of 6.9**
- Median score of 7

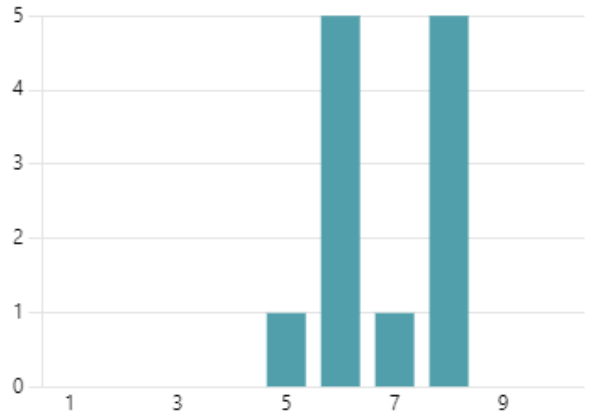
Number of respondents: 13

Data Monitor – Results from the questionnaire *(2/3)*

Q5: How happy are you with Data Monitor's integration with Pure?

1- extremely unhappy

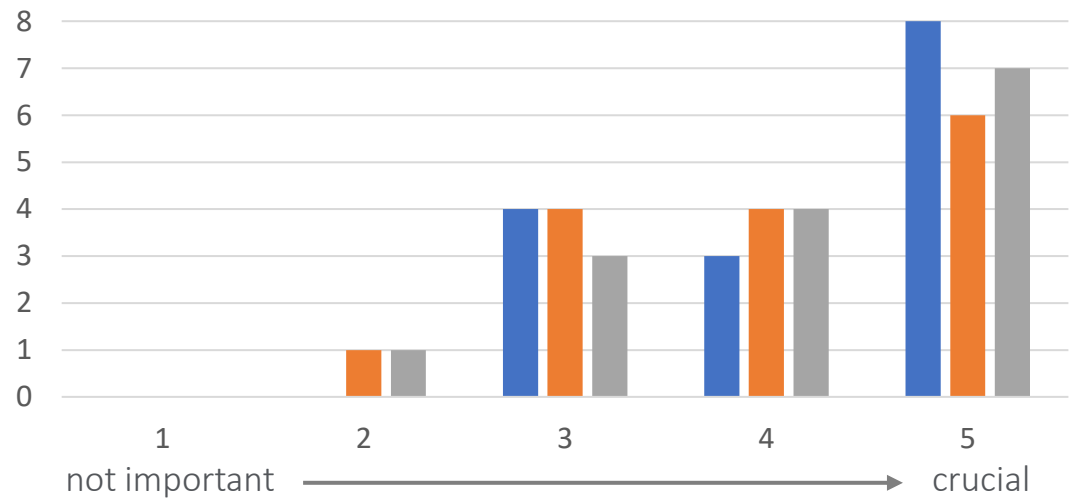
10- extremely happy



- Average score of 6.8
- Median score of 6

Number of respondents: 12

Q6-8: How important are the following improvements to make the service more usable?



- Improve author identification => **average score of 4.3**
- Improve clean-up of non-research data content => **average score of 4.0**
- Improve research data linking to publications => **average score of 4.1**

Number of respondents: 12 (for question 6) to 14 (for questions 7 and 8)

Data Monitor – Results from the questionnaire *(3/3)*

Q9: Do you have any improvement suggestions for Data Monitor or its integration with Pure?
• Integration of OSF database • Also considering in finding EMA/Ct.gov registered trials associated with our institution • Referring to integration with Pure: it would be a big improvement if Tilburg University is not automatically linked in newly found datasets as an external affiliation (with a parenthesis added). Also affiliations with other external organizations are always newly created with parenthesis added. This leads to 'pollution' of our Pure instance • On the web browser it would be great to be able to select authors affiliated with our institution and see datasets related to them. It would be nice to be able to 'more' data intensive datasets. Many of the results we get are publication packages which are nice, but it'd be nice to get results that have much more detailed data. • Improve the metadata enrichment (authors and affiliations) functionality. • Link between dataset and publication when the dataset is mentioned in the publication, but the publication is not mentioned in the dataset. Add datasets with accession number (and no DOI). • See report (Leiden University) • We have the Content and Validation team looking at the quality of metadata for datasets. They mention the affiliations are crap; affiliate to all active affiliations would be an improvement. I assume unique IDs are not used in the dataset data bases yet?! Ideally, the related publications would be linked to the dataset record (by a script) while the dataset record would be editable. • Recognising duplicates; We want to set a time stamp from which date we want to import updates and new datasets, but are not sure if that is possible and how to do that; We are aware that some sources make life hard (type of material, backup-platforms like Dryad/Zenodo), how can we communicate bad FAIR practices with these platforms effectively?
Number of respondents: 11 (2 of which had no suggestion to share at this moment)

Data Monitor – Success criteria tracking

	RUG	VU	UvA	AMC	VUmc	Leiden*	TU D	TU/e	UT	UM	UU	UMCU	WUR	OUNL	Tilburg	EUR	UvH
Implem. status																	
Environment	Prod.	Prod.	Prod.	Prod.	Test	Test	Test	Prod.	Prod.	Prod.	Test	Test	Prod.	Prod.	Prod.	Test	Prod.
# datasets before (Date)	729 (Apr 21)	100 (Jan 21)	431 (Dec 21)	0 (Dec 21)	5 (Dec 21)	NA	1,040 (Dec 21)	0	331 (Dec 21)	30 (Dec 21)	79 (Dec 21)	6 (Dec 21)	1,954 (Dec 21)	3 (Dec 21)	0	NA	0
# datasets with DM	4,062	2,606	-	-	-	NA	1,475	265	439	1195	129	-	3,359	37	194	-	3
% increase	X5.6	x26	-	-	-	NA	Not from DM	∞	+33%	x40	+63%	-	+72% *(+18% from DM)*	x12	∞	-	∞

Source: Monitor dashboard (data until December 2022)

List of participating institutions is excluding DANS (use of the API only) and the Amsterdam University of Applied Sciences (joined in May 2023)