Data Stewardship TU Delft

Ellen Verbakel
Outline of the presentation

• Short history
• Achievements in 2017
• RDM survey
• Plans for 2018
“Recent advances (…) required thousands of scientists to collaborate on ideas and, crucially, on data.”

Carlos Moedas, the Commissioner for Research, Science and Innovation

“5% of research expenditure should be spent on properly managing and stewarding data” – Realising the European Open Science Cloud

“500,000 Data Stewards will be needed in Europe to ensure effective research data management”

Barend Mons, Chair of European Commission’s high level expert group on European Open Science Cloud
Achievements in 2017

August 2017

- Three faculties appointed Data Stewards (0.5 fte)
- TU Delft Library appointed Data Steward Coordinator

Data Stewards are researchers, scientists with experience in conducting research

Data Stewards started in August 2017 at 3 faculties, other faculties to follow in 2018
Achievements in 2017

In weekly meetings the Data Stewards were educated in the following topics:

• Internal training (30 min – 2h sessions):
  – Introduction to data management for researchers
  – Data Management Plans
  – 4TU.Centre for Research Data
  – Open Access and Pure at TU Delft
  – ICT services at TU Delft
  – SURF services
  – Open Science online course

This training was provided by 4TU.Centre of Research Data
External training:
  – Essentials for Data Support, datasupport.researchdata.nl/en
  – Big Data workflows/solutions (CERN webinar)
Activities 2017 - numbers

- 34 interviews with researchers
- RDM survey with 425 responses
- blog posts and newsletters + 4 reports
- Presentations at 6 external conferences
- Infographic about Data Stewardship & creative design ideas
Creative ideas

What if I stole your laptop right now?
Creative ideas

Data Stewardship at Faculty of Aerospace Engineering

IF YOU WANT TO AVOID THIS...
Problems going back to old data

Data loss

AND YOU WANT HELP WITH

CRY NOW

Problems sharing data

Long term data access
Linking datasets to your publications
And much more!!!

YOU BETTER CONTACT
THE DATA STEWARD

Heather Andrews

H.E.AndrewsMancilla@tudelft.nl
Office Tue 13:00-18:00
NB 1.60 Wed,Thu 10:00-17:00
Research Data Management (RDM) Survey

• In collaboration with EPFL and Cambridge
• Short questionnaire
• Re-do every year – monitor behavioural changes

• 425 responses
Challenge: How to know if the approach is working?
RDM survey - some results

Is your research data automatically backed up?

425 responses

- Yes: 46.6%
- Not sure: 12.9%
- No: 40.5%
RDM survey - some results

Did you lose any research data in the past year?

425 responses

- 80% No
- 14.4% Not sure
- Yes
RDM survey - some results

Do you know who owns the research data that you are creating?

425 responses

- Yes: 43.8%
- Not sure: 39.3%
- No: 16.9%
RDM survey - preliminary results

Are you aware of funders’ expectations for Findable, Accessible, Interoperable and Reusable (FAIR) data?

425 responses

- 52.7% Yes
- 24.7% Not sure
- 22.6% No
RDM survey - preliminary results

Who do you think is responsible for the stewardship of research data resulting from your project?

425 responses

- Myself: 356 (83.8%)
- My supervisor: 147 (34.6%)
- My unit's IT manager: 41 (9.6%)
- My university/institution: 156 (36.7%)
- My funding agency: 53 (12.5%)
- Project partner: 64 (15.1%)
- Not sure: 29 (6.8%)
- Master student: 1 (0.2%)
- Impossible to answer: 1 (0.2%)
- I do not have a PhD: 1 (0.2%)
- What do you mean?...: 1 (0.2%)
- The company I work for: 1 (0.2%)
- All those who...: 1 (0.2%)
- My PhD student: 1 (0.2%)
- I do not know: 1 (0.2%)
- No research data exists: 1 (0.2%)
- What does this mean?: 1 (0.2%)
- SSC-IT: 1 (0.2%)
- Colleagues: 1 (0.2%)
RDM survey - preliminary results

Please indicate if you (or related staff / students) would be interested in any potential training on research data management

425 responses

- General introduction: 236 (55.5%)
- Organising folders: 145 (34.1%)
- Data management: 144 (33.9%)
- Data backup and recovery: 209 (49.2%)
- How to use research data: 185 (43.5%)
- Data ownership: 163 (38.4%)
- Using version control: 138 (32.5%)
- Funders' requirements: 77 (18.1%)
- Working with collaborators: 118 (27.8%)
- Data carpentry: 78 (18.4%)
- Software carpentry: 79 (18.6%)
- Data café information: 52 (12.2%)
Conclusions from the survey:

• Survey results (+ re-doing it yearly) might help prioritization and evaluation of efforts
• Survey results might also help gaining interest and support for policy implementation
Plans for 2018 and beyond

- Awareness raising and presentations
- Policy development
- Data Champions programme
- Recruitment new people joining: Summer 2018?
- RDM survey analysis and dissemination
- Reports on qualitative interviews
- Faculties to decide on top priorities and develop and action plan
Data Stewardship – coordination from the Library

TU Delft Library:
The Research Data Services team leads the Data Stewardship project to encourage more researchers to manage, share and publish their data.
Questions???

More information:
https://openworking.wordpress.com/
Paper: Data Stewardship - addressing disciplinary data management needs, Wednesday 12.30-12.50

Join the 3rd group after coffee break!