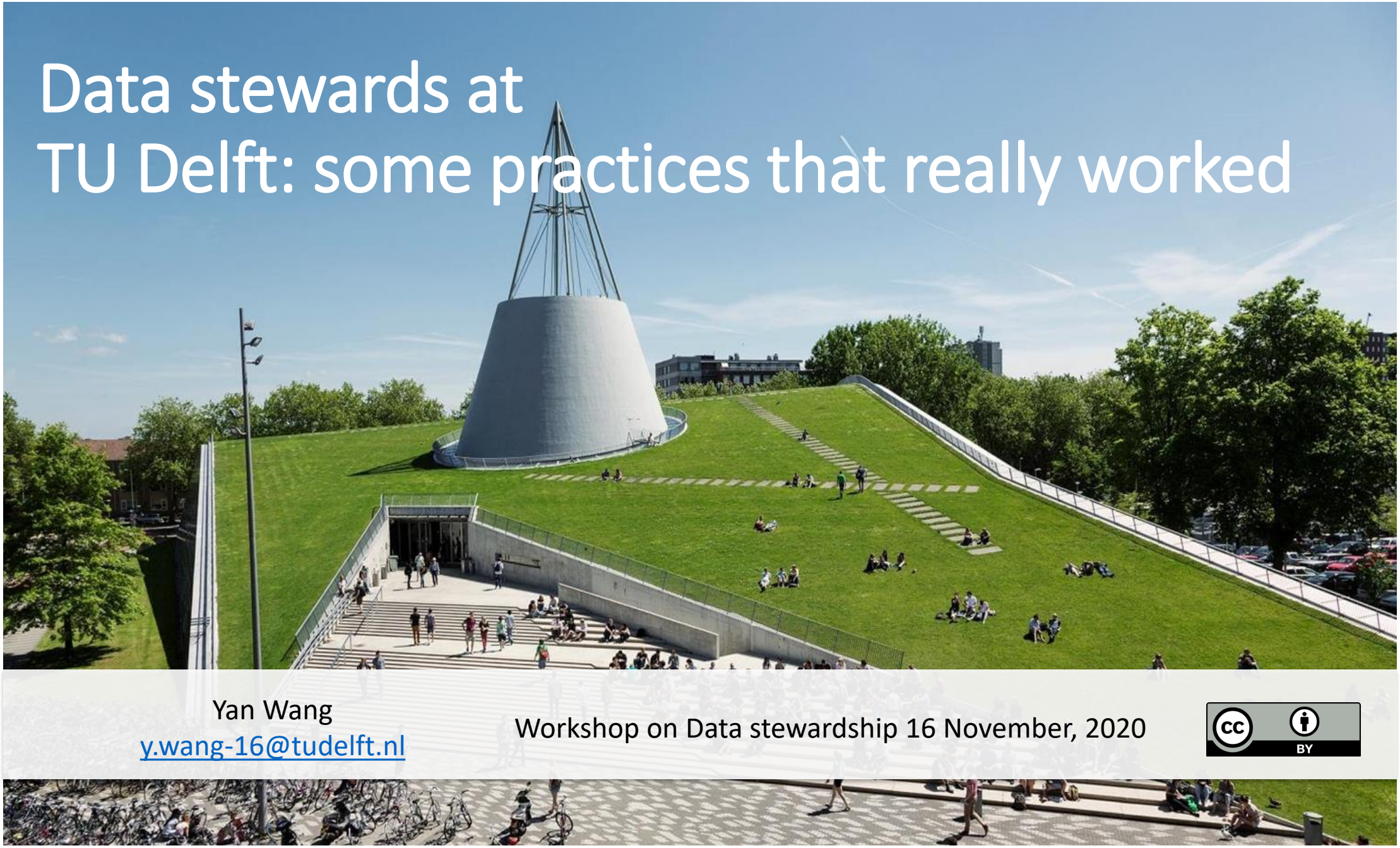
Data stewards at TU Delft: some practices that really worked



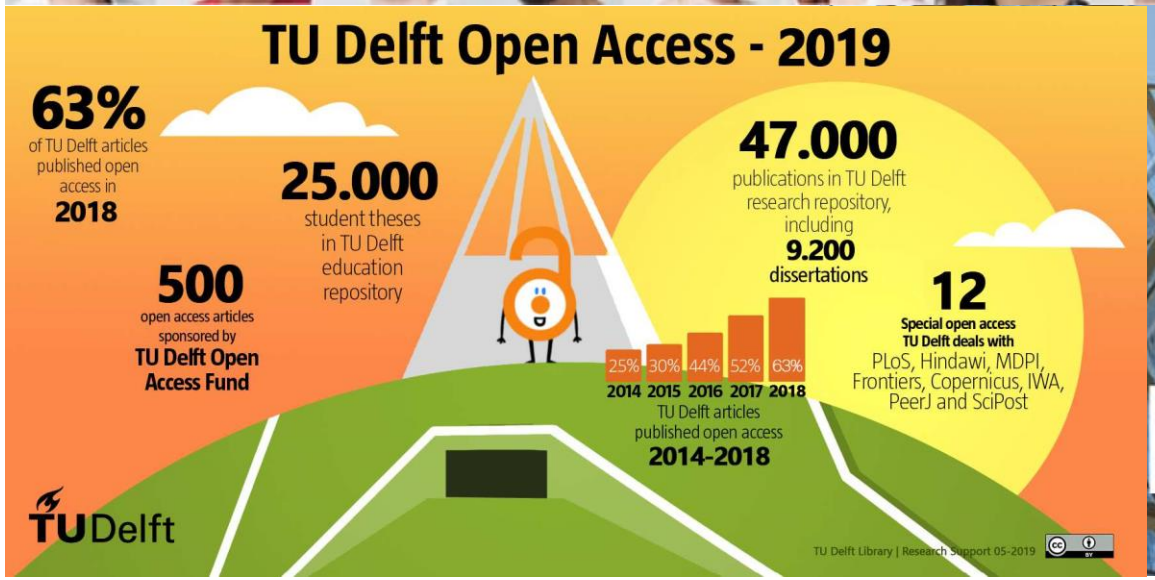
Yan Wang
y.wang-16@tudelft.nl

Workshop on Data stewardship 16 November, 2020

CC BY

Impact for a better society
TU Delft Strategic Framework 2018-2024

Research and Education in the Open Era
TU Delft Strategic Plan Open Science 2020-2024


TU Delft Open Access - 2019
63%
of TU Delft articles published open access in 2018
25.000
student theses in TU Delft education repository
500
open access articles sponsored by TU Delft Open Access Fund
47.000
publications in TU Delft research repository, including 9.200 dissertations
12
Special open access TU Delft deals with PLoS, Hindawi, MDPI, Frontiers, Copernicus, IWA, PeerJ and SciPost
25% 30% 44% 52% 63%
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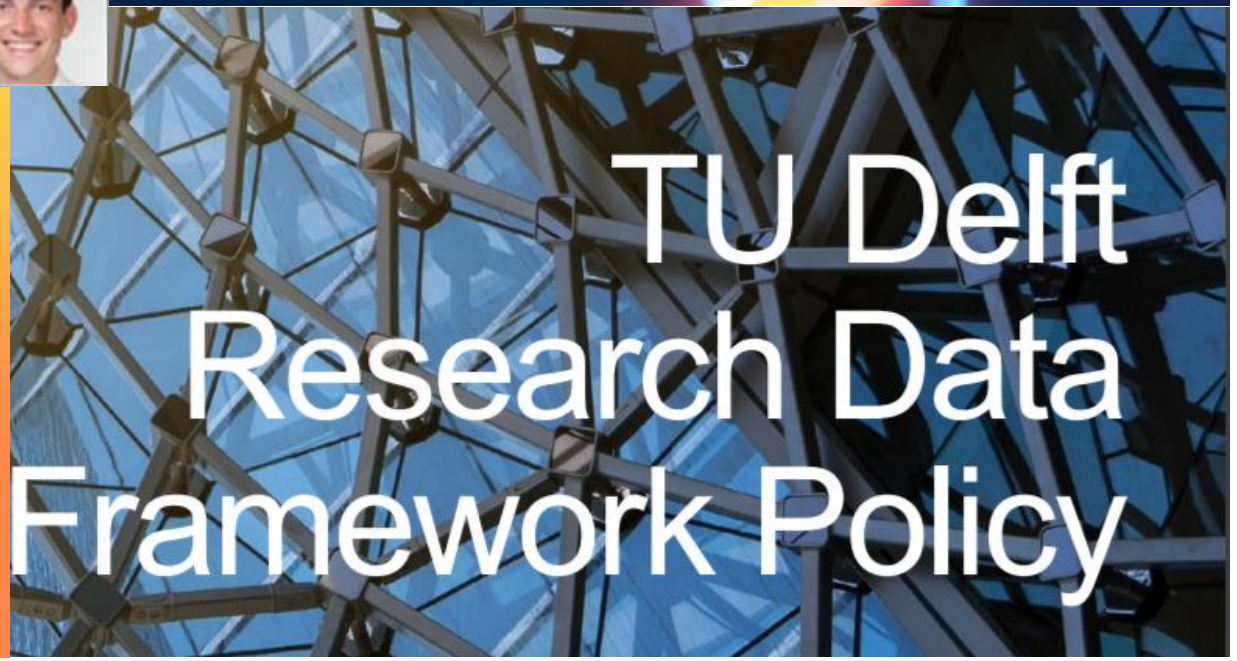
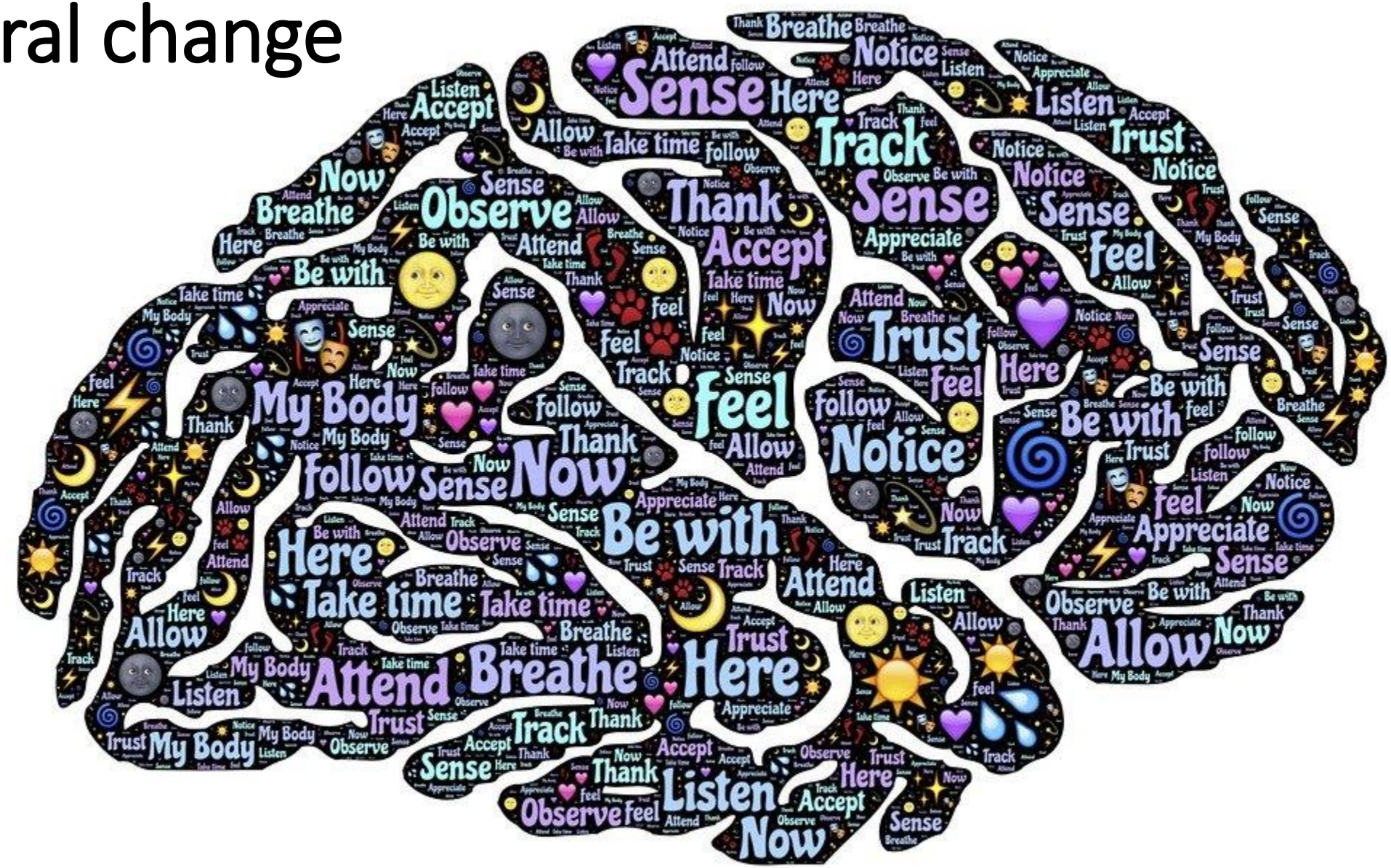

TU Delft Research Data Framework Policy

Cultivate Open & Good Research via RDM

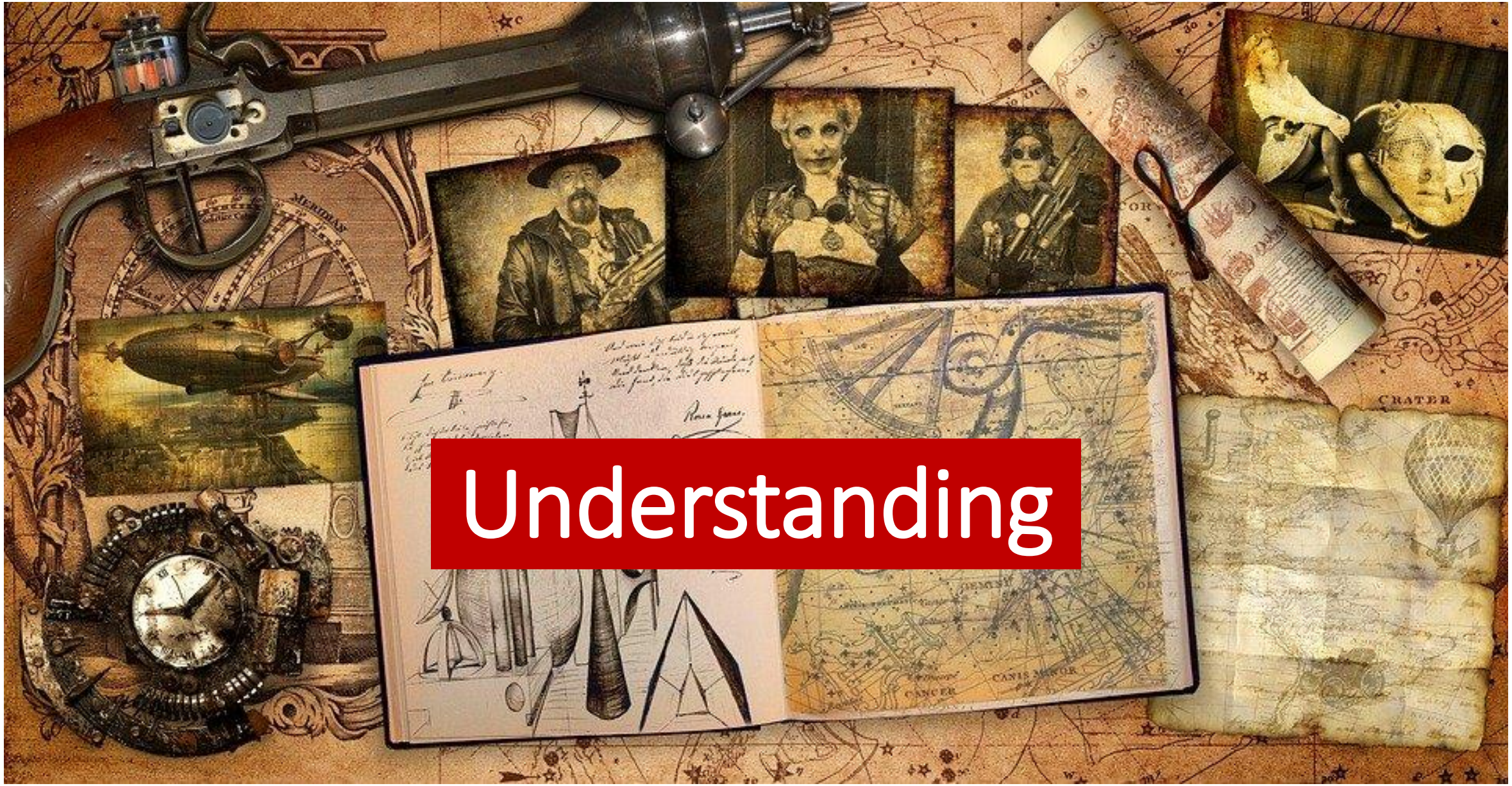
	Objective	Focus	Approach	Outcome
Institution	Open & Good Research	Way of Rewarding	Policy Making & Evaluation	Data Management Policy
Research	Data Management Practices	Way of Researching	Research planning & training	Open & Good Research
Infrastructure	Secure & Available Datasets	Way of Curating	ICT facilitation	Sustainable system solution

Cultural change



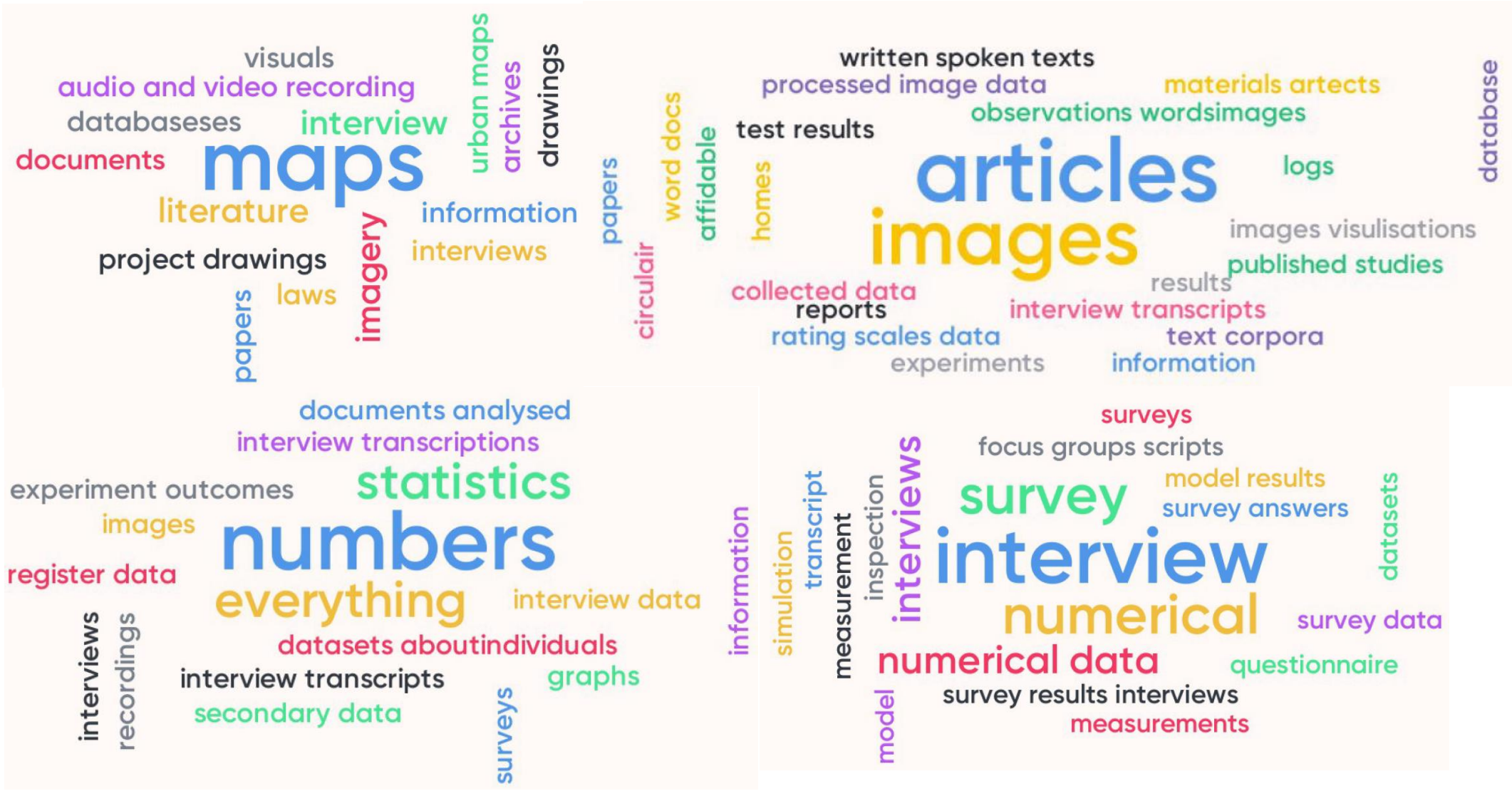
Data Steward Team

structuring preparing suggest timetadatable university projects getting destruction definitions performance institutional collaborators monitoring pilot existing using reports online obligations archaeology ownership introduction external funding organisation links preserving registration wireless videos remote records looking GSK backup documentation retention development collect FAQs internationally supervisors steering giving glossary control think restrict copyright NHSHTA change related informed policies organise archival accessing citing additional requests software funders mailing NIHR usage integrity plagiarism intro effective useful passwords research access digital project EPSRC code good implementation agreements media roles sets browse show bootcamp cons lists choosing curation WCRF reviews publishing guide stipulations metadata preserve secure commercial invitation benefits campus locate web table within draft open curate write FOI naming atoz need ESRC overview requirements create citation template selection roadmap consultancy devices PGR appraisal tool one work team bid back studies practice image sftp license creating NERC version anonymising rights legal sources resources outputs proxy repositories training refs mean DFID managing social specific architecture announcements best area email management BBSRC short library business blogs safe events reuse UK selecting MRC VRE storing support storage expectations licence protection use term cite Jisc DMP store processing kept keeping docs drop share common IPR info longterm base websites tools funder appraising describe ethics CKAN information public blog AHRC AMRC needs collaboration unpublished keep services archiving national service issues guidance plan policy file STFC id repository deletion depositing chart google Health contact bidding pros non nonRCUK states example staff news long encryption planning formats sharing help advice find case ethical TRAIN nutshell describing consent read DNDI publish reusing page researcher files CRUK process choose WellcomeTrust gates delivery Twitter others group internal bids proposal responsible references preservation principles wikis security checklist finding discipline supporting responsibilities organising champions analysing guides appropriate centres researchers documenting DMPonline lifecycle catalogue collaborative unique restricting Department engagement literature deposit impact manage governance feedback leaflet advisory publication intellectual confidential publications classifications interoperability workshop working professional terms promote eScience local costing discovery concerns drive NC3RS affects want options maintain resource finishing licensing students systems sample purpose legislation foundation folders technical advocacy


Understanding

Strategy Innovation
Vision
Creativity
Support
Solution

Diversity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audio and video recording
databaseses
interview
documents
maps
literature
information
project drawings
interviews
laws
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imagery
urban maps
archives
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papers
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observations wordsimages
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logs
database
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statistics
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numbers
register data
everything
interview data
datasets aboutindividuals
interview transcripts
graphs
secondary data
interviews
recordings
surveys
information
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focus groups scripts
simulation
transcript
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inspection
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numerical data
questionnaire
survey results interviews
model
measurements

University services

Operational synergy

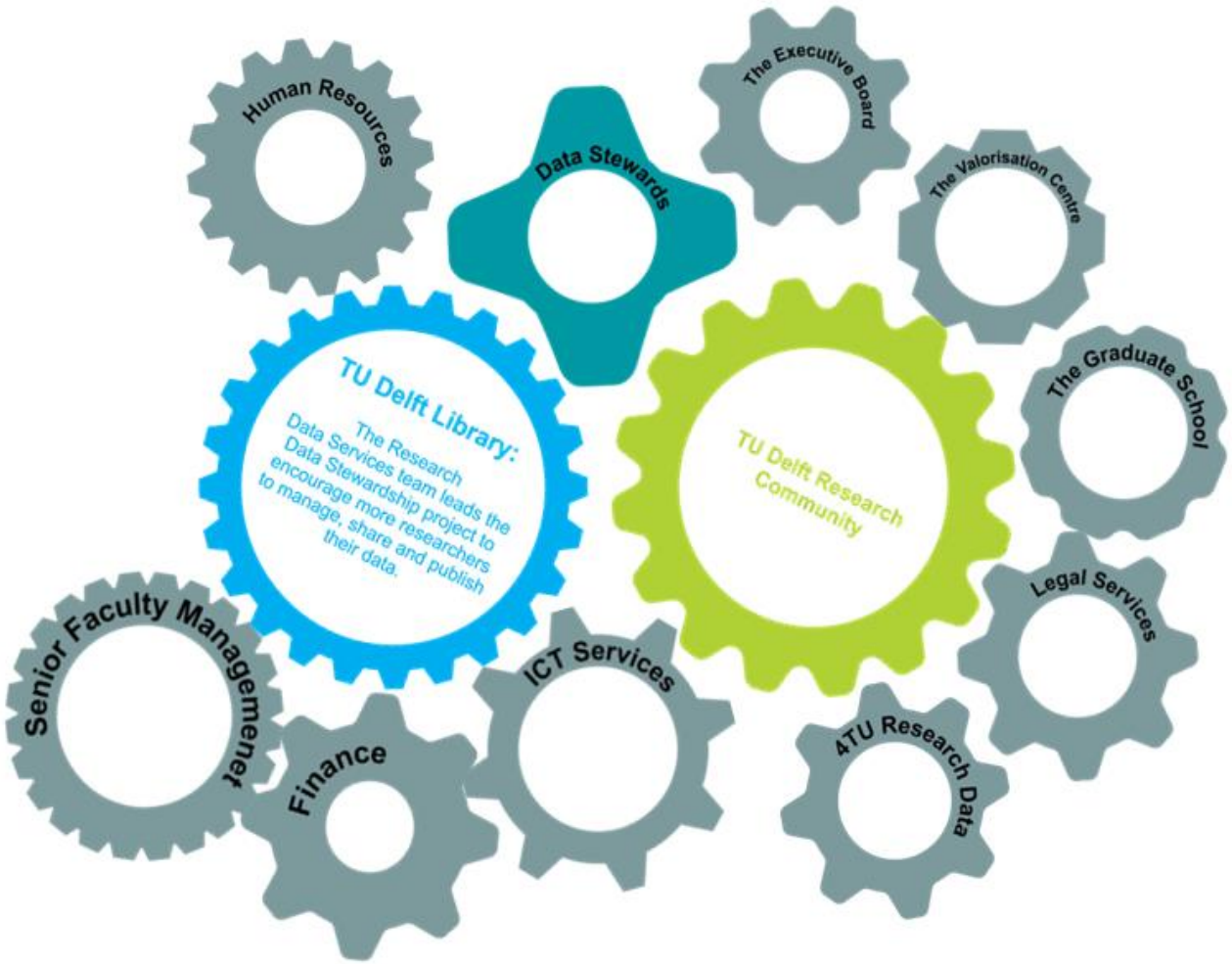


Illustration by Esther Plomp

Listening & Communicating

Trust Establishing

Can’t do it alone

Building the community

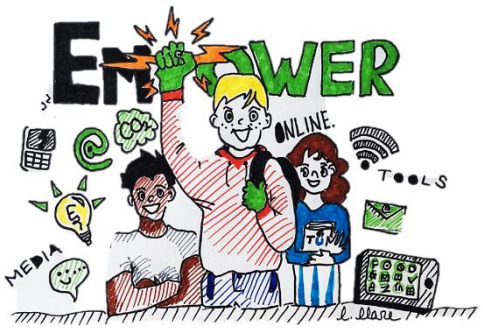
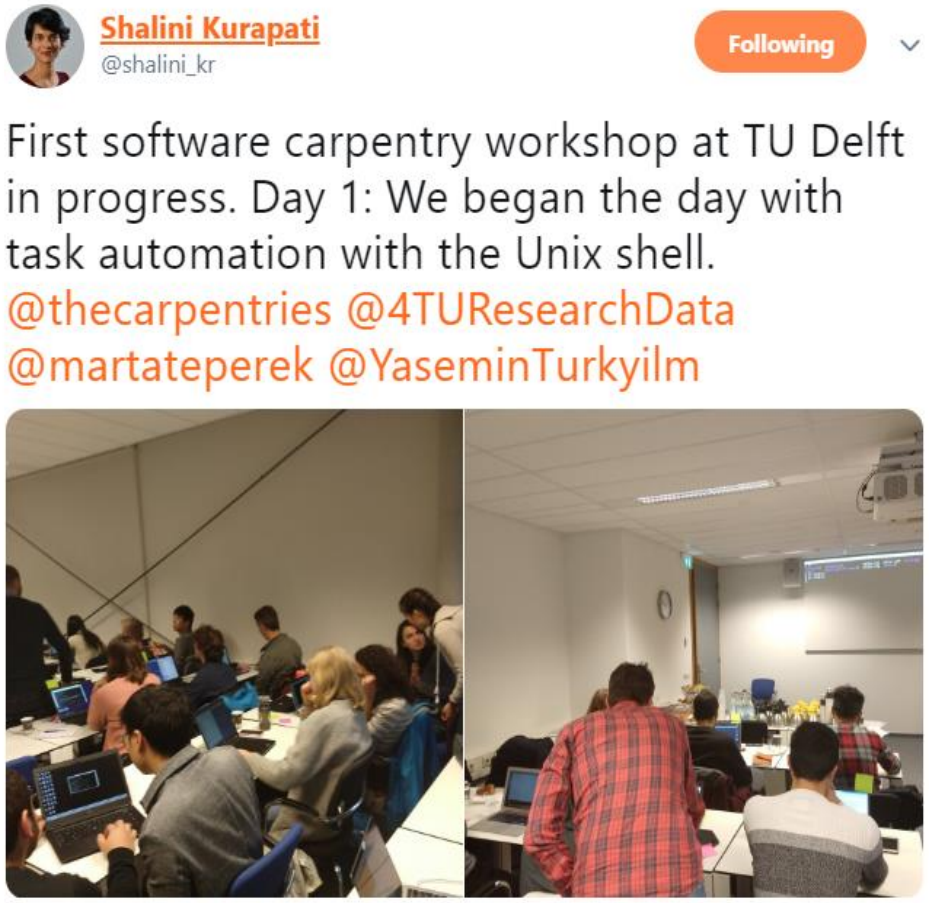


Illustration by Connie Clare


Shalini Kurapati
@shalini_kr
Following
First software carpentry workshop at TU Delft in progress. Day 1: We began the day with task automation with the Unix shell. @thecarpentries @4TUResearchData @martateperek @YaseminTurkyilm
12:53 AM - 29 Nov 2018
2 Retweets 12 Likes
2
12

Coding Lunch & Data Crunch
Walk-in coding and data sessions
Data Stewards and Data Champions can help you with your code and data management issues while sharing some lunch!
27th of June 2019 from 12:00 – 14:00 hrs
Faculty IDE, Studio 23/24
TUDelft
Five selfish reasons to work reproducibly
Future forward: Science in the open era
25 Sept 2019, 16.00-17.00
Orange Room, TUD Library
Dr Florian Markowetz
TUDelft

Examples of disciplinary specific outreach (1)

Discipline:

- Experimental research in life sciences and engineering

Challenges:

- Need for electronic lab notebooks (ELNs):
  - Searchable & traceable
  - Digital documentation, & linking of data, methods & samples

Esther Plomp
Data Steward, TU Delft

Yasemin Türkyilmaz
Data Steward, TU Delft

Outreach activities:

- Collected researchers' needs & expectations from ELNs
- Recruited researchers to ELN pilot and collected their feedback
- Regular communication (emails & events)

Outcome:

- ELN Working Group (DS, library, ICT Innovation)
- Successful pilot
- Currently two ELNs offered to researchers
- Regular user meetings
- User mailing list

Examples of disciplinary specific outreach (2)

Discipline:

Design, Architecture & Built Environment (humanities)

Challenges:

- Scattered across faculties
- Data sharing is not a tradition
- Lack of proper infrastructure

Jeff Love
Data Steward, TU Delft

Yan Wang
Data Steward, TU Delft

Outreach activities:

- Engagement workshop on specific research topics (maps, geospatial data etc.)
- Community building: collaboration, data tooling pilot

Outcome:

- TUD DH community
- Grant theme for collaboration
- Data expert groups

Keep the wheels turning!