



OPEN SCIENCE
AND RESEARCH

Tuuli Project

Accelerating data management planning in Finnish research organisations

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Open Science and Research Initiative (ATT) 2014–2017

- Ministry of Education and Culture initiative for the promotion of information availability and open science
- Scope includes publications, research data, and methods
 - Key actions: facilitating common effort by dialogue between stakeholders, building sustainable information infrastructures and promoting skills development on scientist, specialist and managerial levels
- External evaluation on the impact of the Open Science and Research Initiative (2016) by L. Tuomi: <http://urn.fi/URN:NBN:fi-fe2016112229504>

Tuuli Project 2015-2017

- 1.4.2015–31.3.2017
- Project funding from the Ministry of Education and Culture
- DMPTuuli as a part of the Open Science and Research Initiative's national services and tools
 - www.openscience.fi



Open data
publishing
platform

Services support stages of the research process



Data
management
planning tool

Utilising research

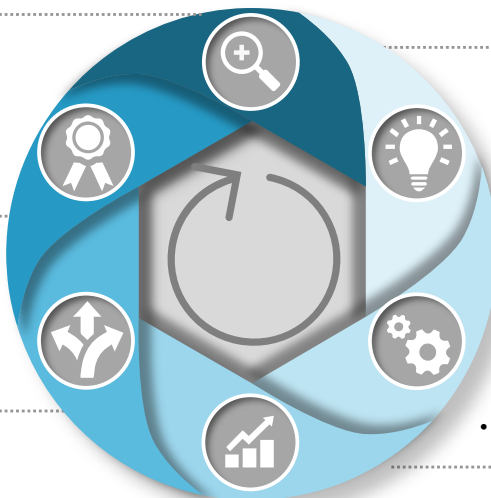
- Utilising research results
- Utilising research outputs
- Measurement
- Curating research outputs

Assessing results

- Assessing results
- Assessing preservation requirements

Publication and dissemination

- Evaluating and publishing research outputs
- Distributing research outputs
- Disseminating research results
- Ensuring long-term accessibility



Planning research

- Defining the research problem
 - Planning research
- Research environment specification
 - Funding and resourcing research
 - Organising research

Implementing research

- Choosing or developing research methods
 - Choosing and collating research data
 - Processing research data
 - Documenting research events
- Discovering and identifying research results

Generating research outputs

- Generating research outputs and describing research results
 - Storing and preserving research outputs and methods

Long-term
preservation
service for
research



Research
data finder



Research data
storage service

Goals

- Create DMP guidance to support researchers in adopting RDM best practices
 - Explore the needs of DMP guidance and training.
 - Develop a DMP tool including necessary templates, guidance and links to support services available in research organisations.
- Link guidance to research process (via grant application process)
 - To create an effective information channel to reach researchers and to inform them about RDM rules, principles and guidelines, and about available services.
- Help organisations create their own DMP guidance and raise awareness about the need for DMP reviewing and RDM services

Project implementation

- 17 organisations as partners: universities, universities of applied sciences (network), smaller research institutes
- Working groups
 - *Tool group*: testing of DMP tools & assesment
 - *Guidelines group*: general DMP template & guidance, report on available DMP guidance
 - *User group*: user tests, researcher interviews, report on user needs
 - *Peer support group*: reports on DMPs required by research funders & on data support services at Finnish research organisations

User driven approach

- Engaging researchers: workshops, interviews, testing
- Guidance created was tested by researchers in three phases
- Feedback survey after the Academy of Finland's funding call



Foto by Mari Elisa Kuusniemi



Network

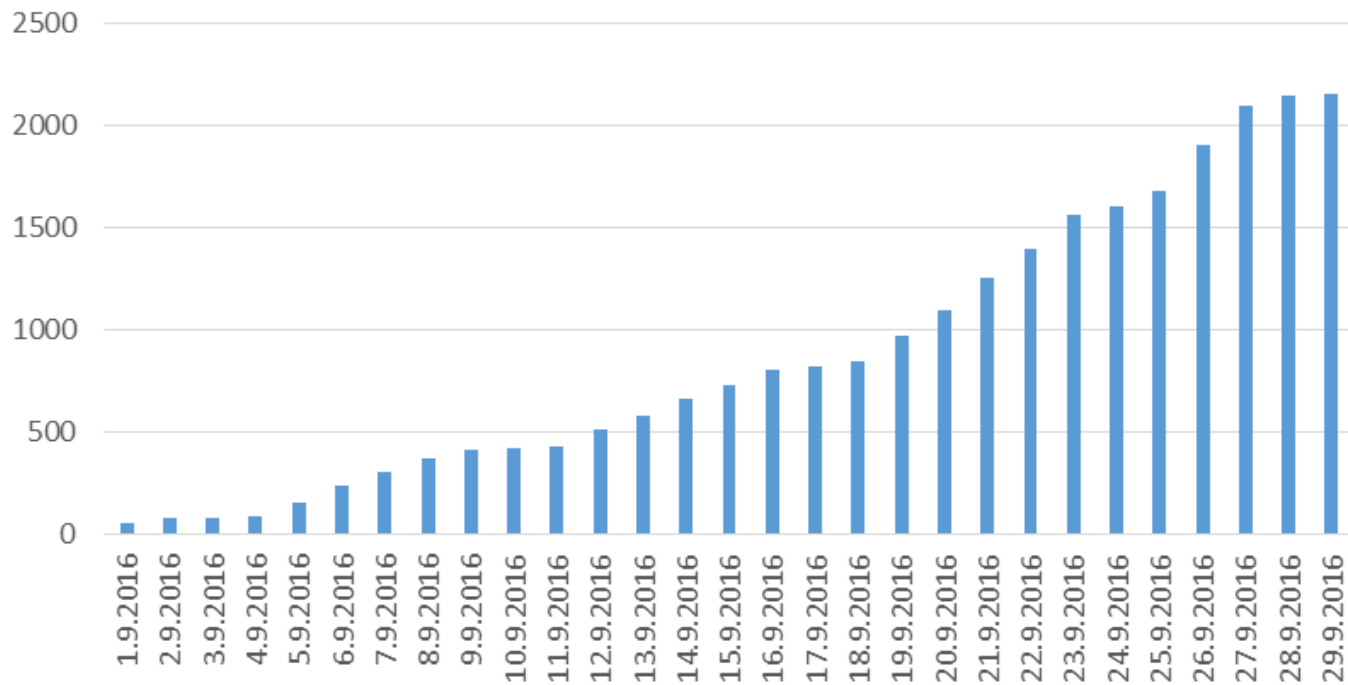
- 8 webinars + 2 seminars
 - Available DMP tools
 - DMP guidance, feedback and needs
 - DMP support in organisations (during funding calls)
 - DMPonline training for organisation administrators by DCC
 - DMPonline training for DMP trainers by DCC
 - Maintaining DMPTuuli in the future
- 20-80 participants

Foto by Jussi Männistö, University of Helsinki

Pilots

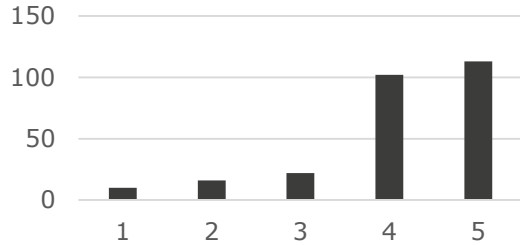
- Tekes (the Finnish Funding Agency for Innovation) funding call
 - during the summer 2016
 - limited call: 'International growth from health benefits'
- The Academy of Finland's funding call in September 2016
 - Total number of applications 3054
 - For the first time applicants had to include a data management plan (DMP) as a separate appendix
 - In 2017 Academy's overall funding for research amounts to 437 million euros

Number of user registrations in September 2016

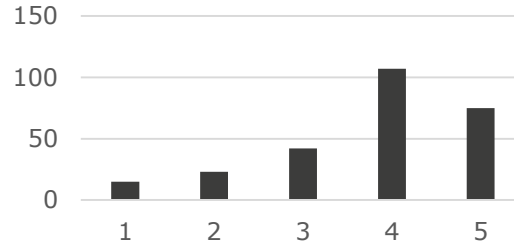


Feedback (N=265)

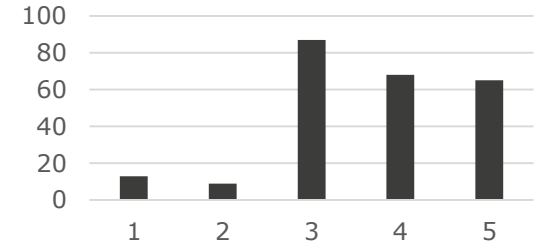
It was easy to start using the tool



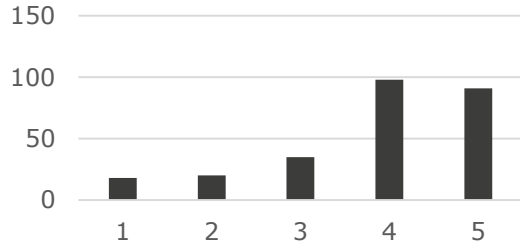
It was easy to find guidance



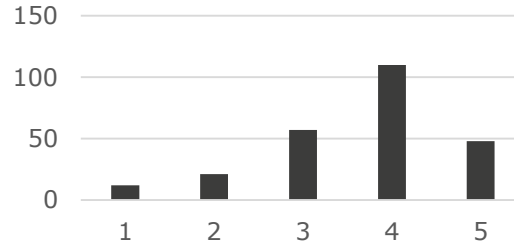
It was easy to share the plan



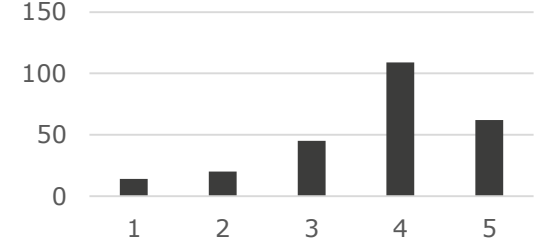
Tool worked smoothly enough



The guidance offered in DMPTuuli was sufficient.



The examples of answers were useful.



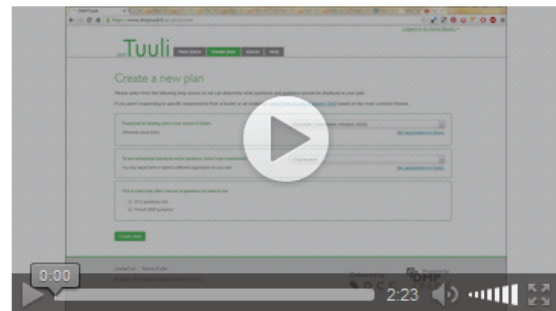
Project outcome

- DMPTuuli in active use in 15 research organisations
 - have organisation admin rights and have created or are preparing organisational guidance
- Organisations offered DMP support during the Academy's funding call (info, training, workshops, DMP reviewing service)
 - Only one organisation offered DMP support before Tuuli project
- In University of Helsinki 80% of applicants used DMPTuuli in Academic of Finland call

Welcome.

Data management planning tool Tuuli will help you write data management plans.

Screencast on how to use DMPTuuli



Log in

[Forgot your password?](#)

Remember me

Log in

Sign up

New to DMPTuuli? Sign up today.

What next

- Funding from the Ministry for the year 2017:
 - Tool & service delivery from DCC
 - Coordination of the Finnish Tuuli network – reorganization
- A new business model is needed from January 2018 onwards

What next

- DMP glossary
- Example of answers bank
- DMP library
- Material bank for DMP training
 - Material targeted to trainees/administrators
 - Material targeted to researchers
- New version of DMPonline – new features
 - New user guidance for end users and administrators
- Marketing the idea of DMPs to all Finnish research funders
- Translation of the interface and general guidance
 - Finnish and Swedish
- Training for new organisations
- Webinars continuing
- DMP guidance for
 - art, design and architecture
 - graduate students
- Developing of the process for giving administrator rights

Conclusions

- Tuuli project accelerated data management planning support in Finland
- User driven approach enabled us to identify the needs, challenges and common obstacles
- Networking is the key to the success!

Thank you!

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