PROJECT MILDRED
DEVELOPING RESEARCH DATA INFRASTRUCTURE
AT THE UNIVERSITY OF HELSINKI

VILLE TENHUNEN 30.8.2016
THE PROJECT MILDRED

MILDRED is the two-year (2016-2017) project for updating research data infrastructure of the University of Helsinki to provide tools and services for supporting

- the data management,
- use of the data
- discoverability and
- sharing of data,
- capacity for storage,
- preservation,
- computing and
- processing
AIM OF THE PROJECT

• The aim of MILDRED is to provide researchers with a state-of-the-art infrastructure and design data related services to help researchers

• The infrastructure will be developed for and with researchers and user groups are pivotal in the development process and together with national and international parties
WHY?
Open science
"All kind of crazy stuff"
Fourth paradigm of the research

Theoretical, experimental, computational, data intensive
"Data-intensive science consists of three basic activities: capture, curation, and analysis"*

(But there is also need for communication and publication infrastructure)

WHERE IS OUR RESEARCH DATA NOW?

56% of the respondents* did not have their data deposited in any specific digital repository.

43% used one or more repositories.

*) Survey of the Helsinki University Library (N=258),
DATA STORED ALSO ON...

- PC hard drive: 68%
- Externel hard drives: 58%
- UH's network: 53%
- Commercial cloud services: 34%
- National data services: 19%

*) Survey of the Helsinki University Library (N=258),
CURRENT SERVICES ARE NOT ENOUGH

Approximately 5% of respondents explicitly stated that the current hard drive resources are sufficient in data management

*) Survey of the Helsinki University Library (N=258),
DATA IS ESSENTIAL FOR RESEARCH

Only 8% of respondents answered that they have small amounts of produced data as a reason for not using digital repositories

*) Survey of the Helsinki University Library (N=258),
MORE AND MORE DATA
### STRATEGY 2017-2020

#### A CREATIVE, INTERNATIONAL ENVIRONMENT FOR LEARNING AND TOP-LEVEL RESEARCH

<table>
<thead>
<tr>
<th>TARGETS OF DEVELOPMENT</th>
<th>A high level and high-impact research</th>
<th>Open research</th>
<th>High-quality research infrastructure</th>
</tr>
</thead>
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#### FOCUS ON THE STUDENT

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<tr>
<th>TARGETS OF DEVELOPMENT</th>
<th>Competitive degrees</th>
<th>Interaction and learning in the scientific community</th>
<th>Digitisation of learning environments</th>
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#### RESOURCES FOR REFORM

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<th>TARGETS OF DEVELOPMENT</th>
<th>An open and innovative operational culture</th>
<th>Development of human resources</th>
<th>Versatile and flexible funding</th>
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WHAT?
MILDRED SUBPROJECTS

1. Digitalization of Research Data Services Delivery
2. Data Repository Service
3. Data Publishing and Metadata Service
4. Data Storage and Backup
5. Implementation of Data Management Planning Tool - Tuuli
PLANNED OUTCOMES

• Centralized channel to reach data services and in the future more automatic service provisions
• DMP tool
• Data sharing and collaboration services
• Discoverability, metadata and data publishing services
• Repository, storage and backup services
WHO?
ORGANIZATION

Steering group

Architecture group

User group

1: Webshop
   - PM
   - Project group

2: Repo
   - PM
   - Project group

3: Metadata
   - PM
   - Project group

4: Storage
   - PM
   - Project group

5: Tuuli
   - PM
   - Project group

HELSINGIN YLIOPISTO
HOW TO PARTICIPATE?

• User group
  • Development ideas and initiatives
  • Comments on requirements
  • Evaluations
• Events
  • The user group will have some events, next on early autumn
• Blog - Project MILDRED
  • Visiting writers are welcome
HOW TO REACH THE PROJECT?

- Email: project-mildred@helsinki.fi
- Twitter: @ProjectMildred
THANK YOU!

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