### CASE: THE PROJECT MILDRED OVERVIEW OF THE APPLICATION AND SERVICE ARCHITECTURES

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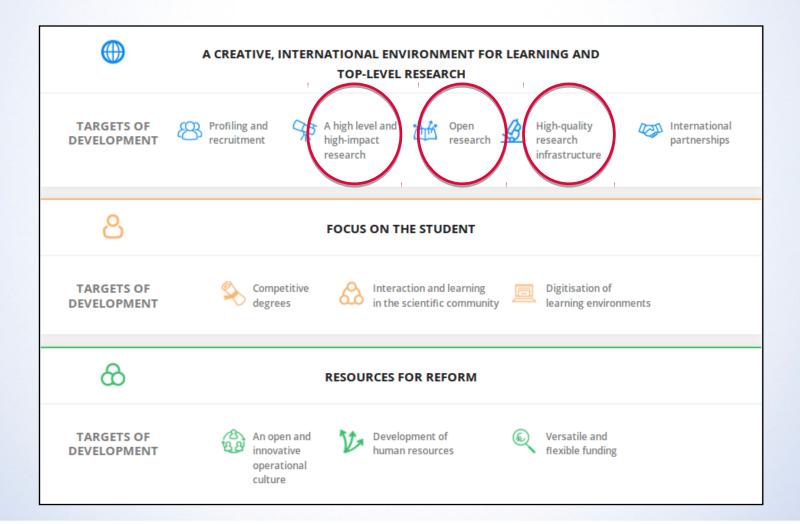
19.9.2017 RDA 10th Plenary, BoF Systems, Technologies and Data Flows of the Research Data

## THE PROJECT MILDRED?

- MILDRED is the project for updating research data infrastructure of the University of Helsinki to provide tools and services for supporting the data management, use, discoverability and sharing of data, capacity for storage, preservation, computing and processing.
- 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.



### **STRATEGY 2017-2020**

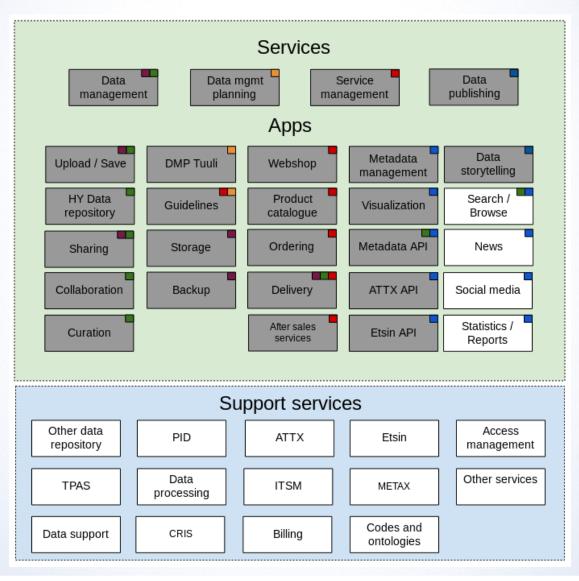


# MILDRED SUBPROJECTS

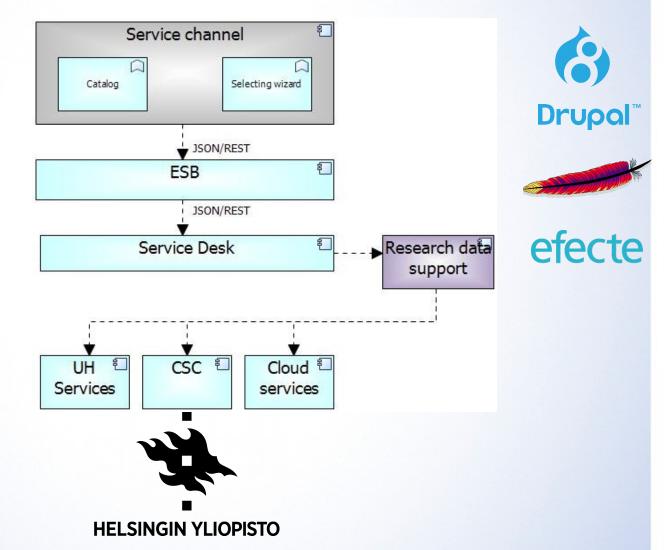
- 1. Digitalization of Research Data Services Delivery
- 2. Data Repository Service
- 3. Data Publishing and Metadata Service
- 4. Data Storage and Backup
- 5. Implementation of Data Management Planning Tool - Tuuli



### ARCHITECTURE

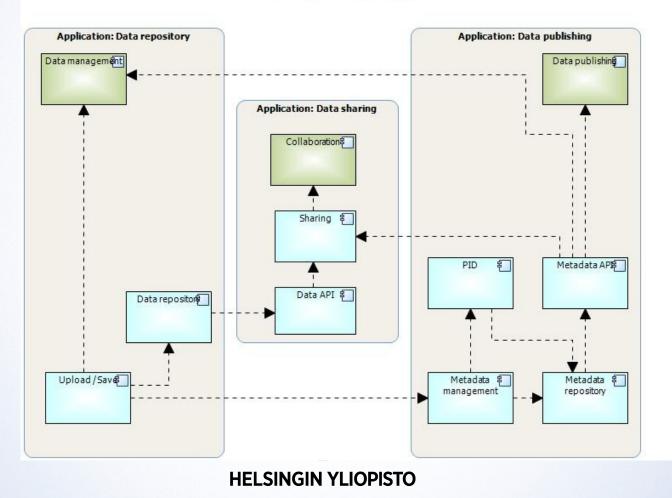


### **SERVICE CHANNEL**



### **DATA SERVICE**

MILDRED 2 data flow

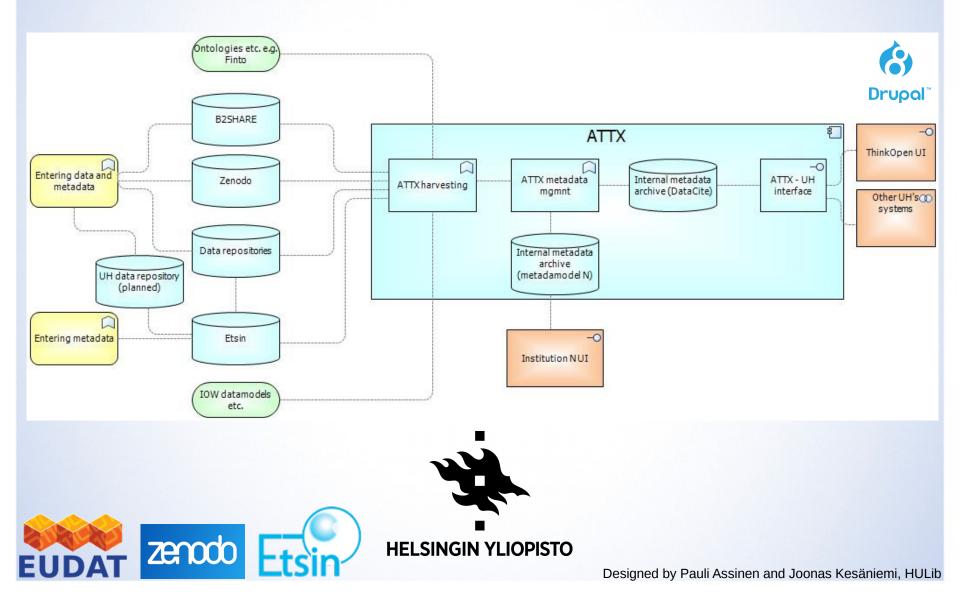


## EUDAT

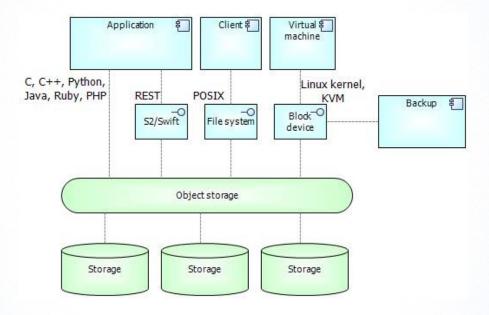
#### B2DROP Network of trust among authentication **B2ACCESS** and authorization actors **B2SHARE** B2HANDLE Identity Locations Integrity Authenticity DZJAFE **B2SAFE B2STAGE** Replicate Research Data Safely $\infty$ DZJIAGE Get Data to Computation B2DROP B2SHARE B2FIND Find Research Data In Aggregated EUDAT meteolata domain Data inventory B2FIND **B2HANDLE** External community - Deta metadata store B2ACCESS metadata NEW B2NOTE **Generic Execution Framework** DATA TYPE REGISTRY WORKSPACE **HELSINGIN YLIOPISTO**

### **B2** Service Suite

### **METADATA AND PUBLISHING**



### **STORAGE AND BACKUP**







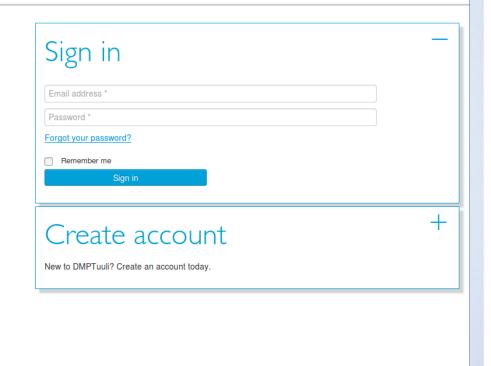
### DMP



#### Welcome.

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

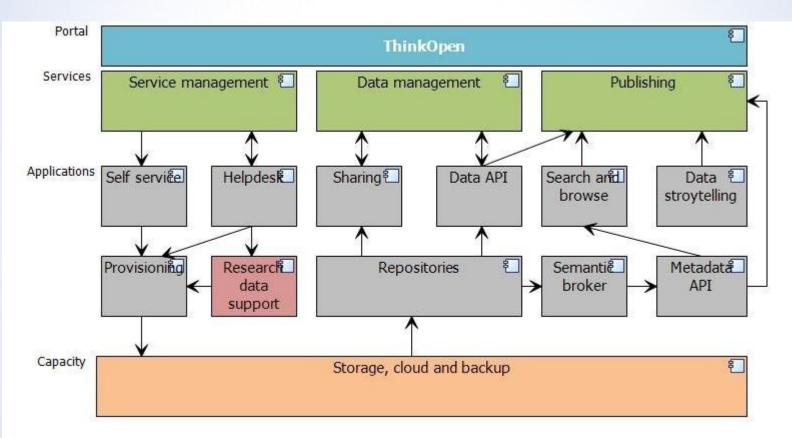
8	sists researchers in the data management planning.	
Create a new plan		
Before you get started, we need to ask a few questions to set you up with the be	st DMP template for your needs.	
What research project are you planning?		
Project title		
Ϋ́		
If applying for funding, state the title exactly as in the proposal.		
Primary research organisation		
Select the primary research organisation responsible		
University of Helsinki	0	
My research organisation is not on the list or no research organisation is a	ssociated with this plan	
Fill in the name of your plan and select		
<ul> <li>your organisation from the list.</li> </ul>	0:00 / 2:23	





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## **ONE PICTURE**





# MAIN CHALLENGES

- Seamless workflows and automated processes
- Semantic interoperability
- Service interoperability
- Technical interoperability



# **MORE INFORMATION**

- Blog: https://blogs.helsinki.fi
- ThinkOpen: https://www.helsinki.fi/en/research/think-open
- @ProjectMildred





