

HOW THE RESEARCH DATA INFRASTRUCTURE COULD BENEFIT FROM QOS AND DATALC DEFINTIONS? CASE: MILDRED

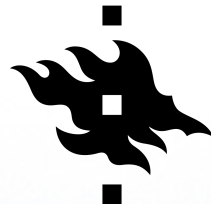
Project manager Ville Tenhunen
Helsingin yliopisto

ville.tenhunen@helsinki.fi, @vtenhunen

7.4.2017 RDA 9th Plenary, QoS-DataLC Definitions WG

WHAT IS THE PROJECT MILDRED?

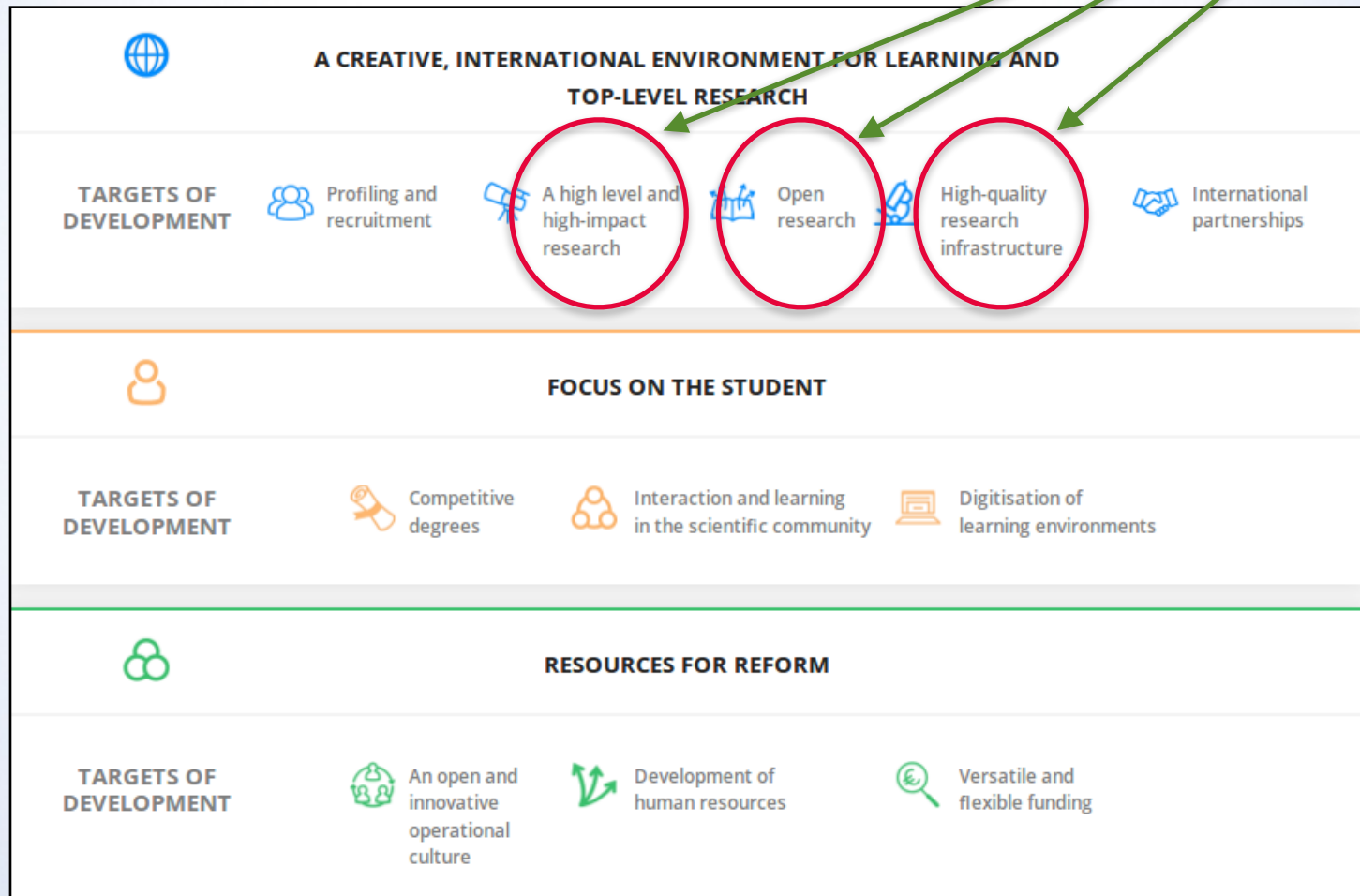
- MILDRED is the project for updating research data infrastructure of the University of Helsinki to provide tools and services for supporting the data management, use, discoverability and sharing of data, capacity for storage, preservation, computing and processing.
- The aim of MILDRED is to provide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



HELSINGIN YLIOPISTO

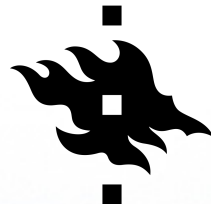
STRATEGY 2017-2020

MILDRED
supports



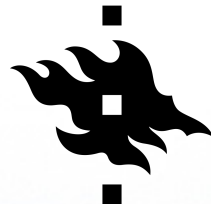
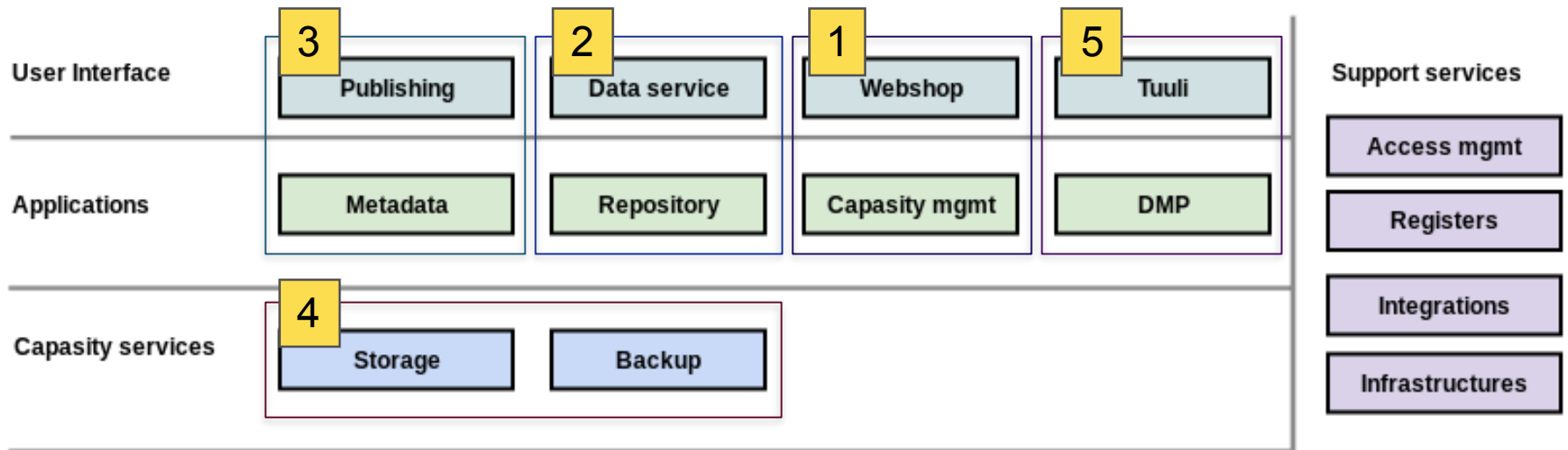
MILDRED SUBPROJECTS

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



HELSINGIN YLIOPISTO

ARCHITECTURE

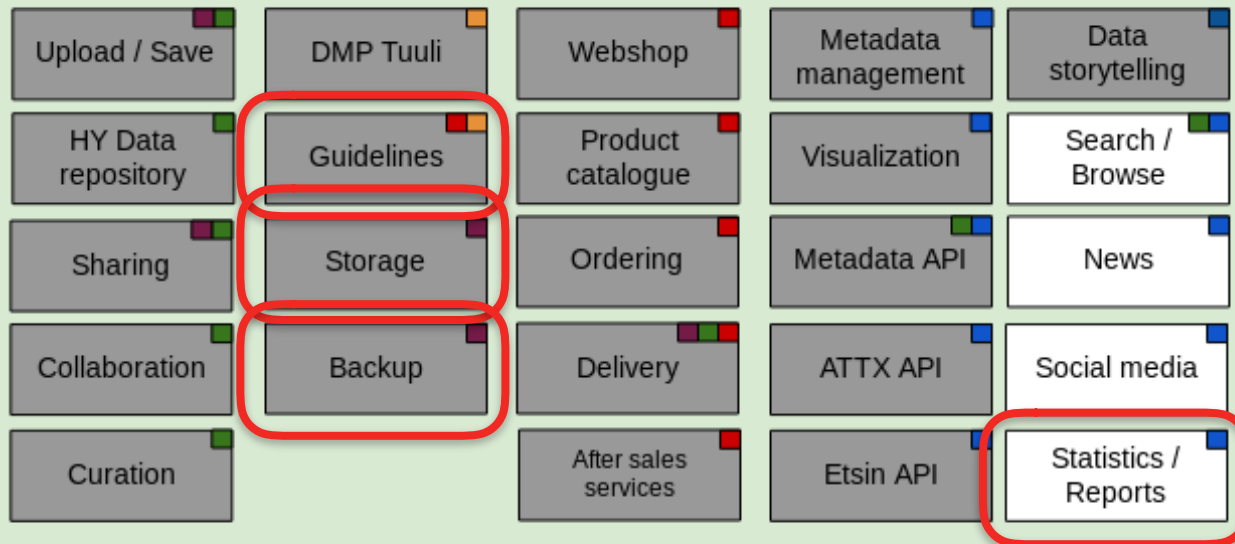


HELSINGIN YLIOPISTO

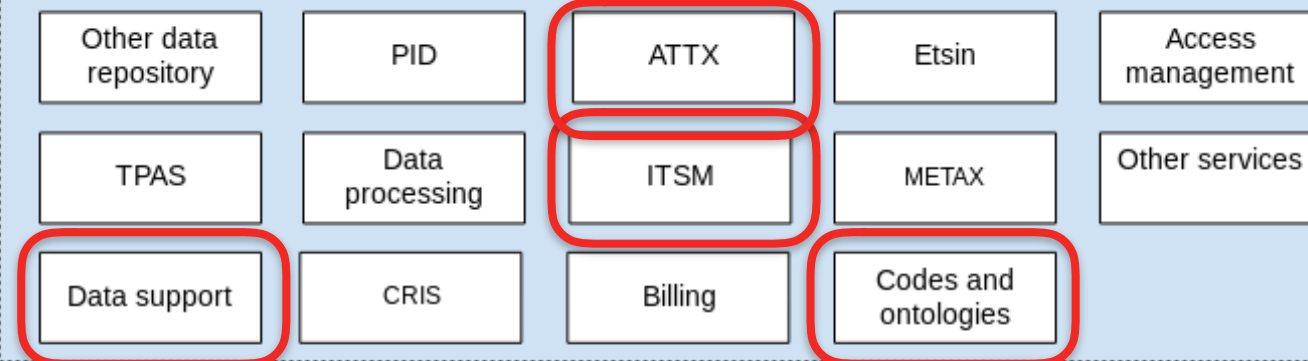
Services



Apps

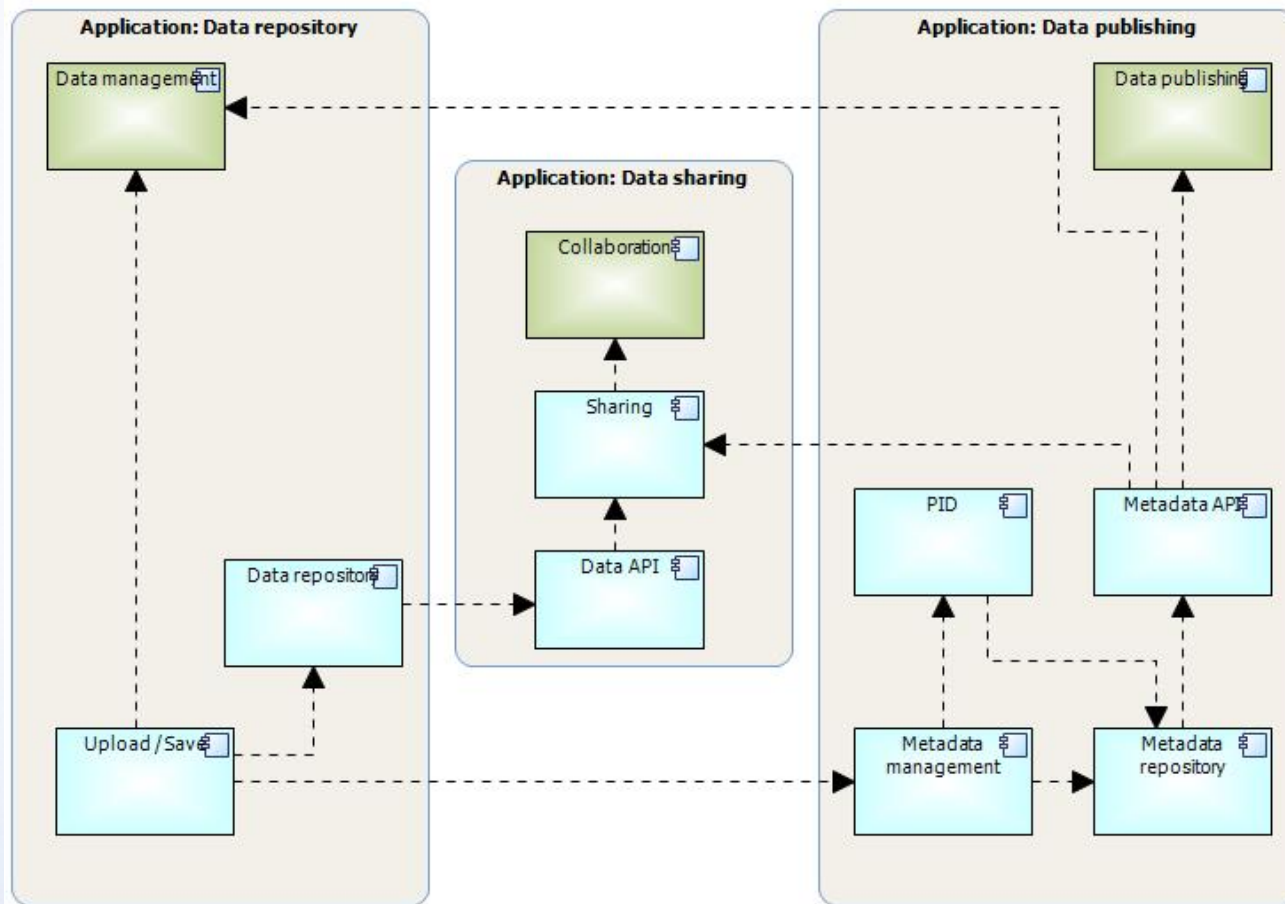


Support services



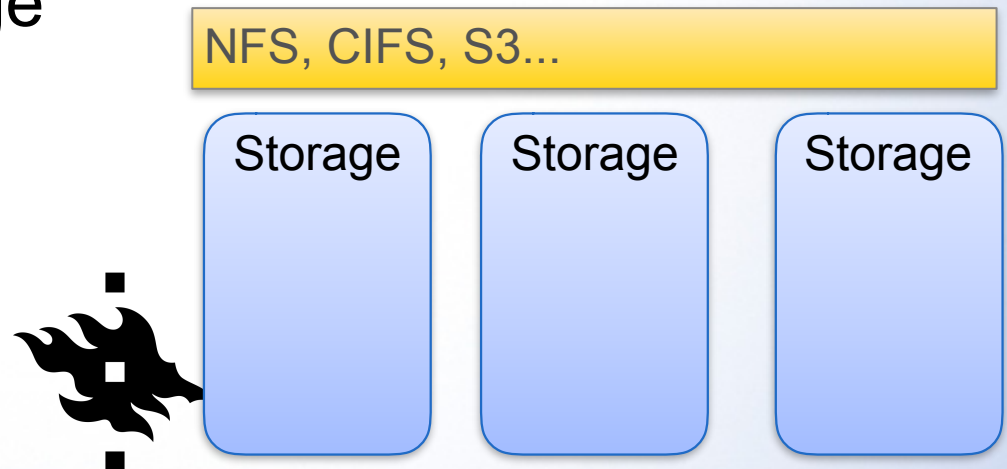
EXAMPLE: DATA FLOWS OF THE MILDRED REPOSITORY

MILDRED 2 data flow



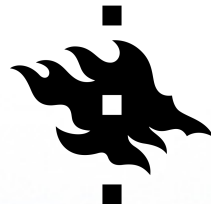
EXAMPLE: BUSINESS MODEL OF THE STORAGE SERVICE

- IT Center operates infrastructure and its key components
- Researchers and research groups have possibility to purchase own capacity to the infrastructure
- Common framework agreements with storage vendors
- Software defined storage



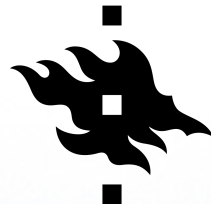
MAIN CHALLENGES

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

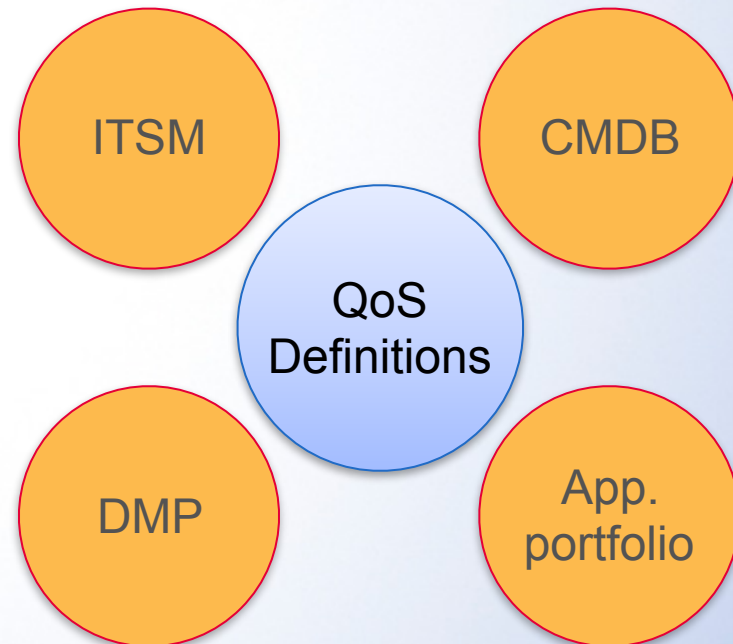


WHERE QOS DEFINITIONS ARE USEFUL?

- Data support and guidelines
- IT service management, ITSM
- Purchasing storage and backup
- Codes and ontologies
- Statistics and reports
- ATTX



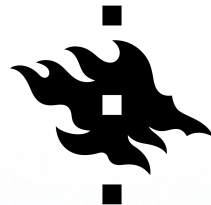
HELSINGIN YLIOPISTO





THANK YOU!

ville.tenhunen@helsinki.fi



HELSINGIN YLIOPISTO