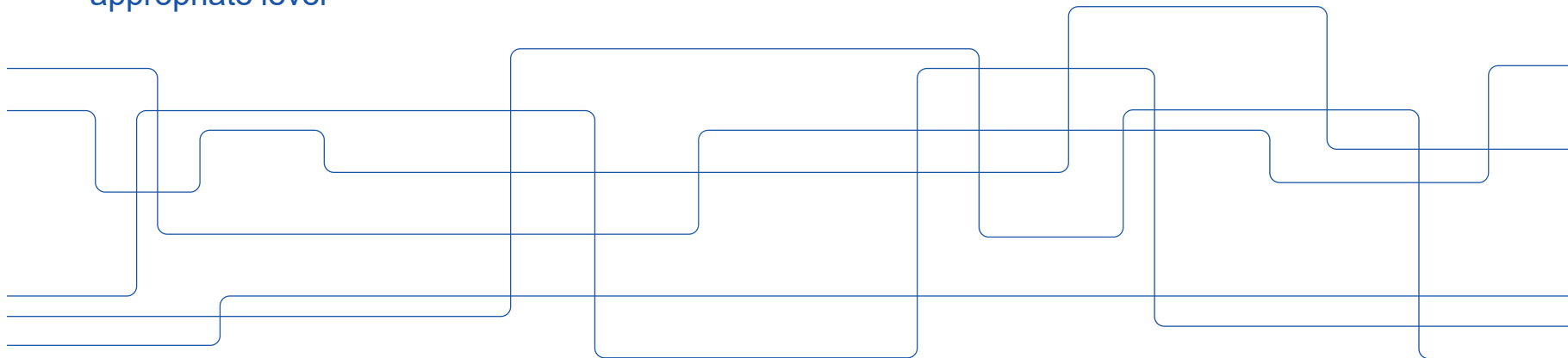


# KTH Research data – services and support

Rosa Lönneborg, research data coordinator

”Data at the right place in right time, accessible at appropriate level”





# KTH in short

## Primary responsibility for five national strategic research areas

- E-science
- IT and mobile communication
- Transport research
- Production engineering
- Molecular biosciences (Science for Life Laboratory)

Partner in another five areas.

## Lead partner in five programme areas within the European Institute of Innovation and Technology (EIT)

- EIT InnoEnergy
- EIT Digital
- EIT Health
- EIT Raw Materials
- EIT Urban Mobility

## Stockholm Trio

Largest technical university in Sweden

~5200 employees

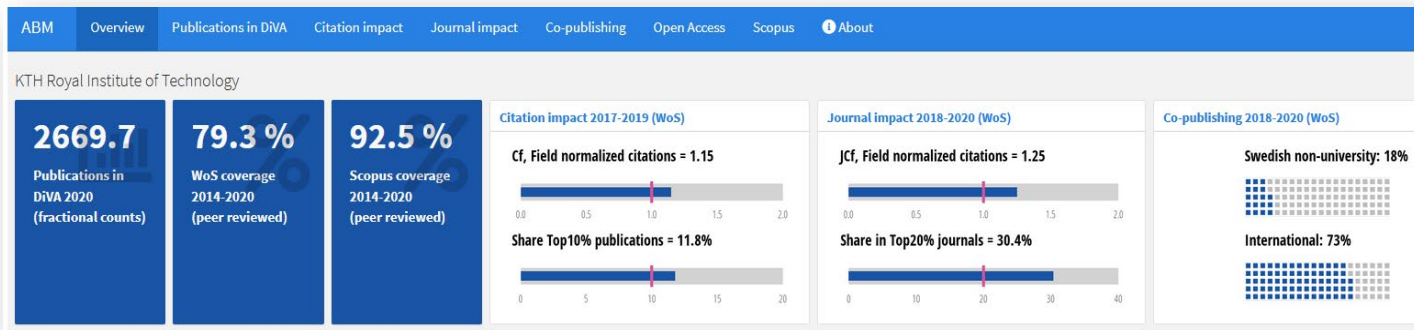
~1700 PhD students

~13000 undergraduate students in engineering and architecture

~2670 traditional publications/year

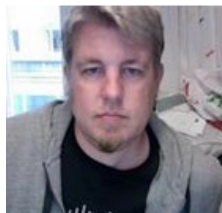
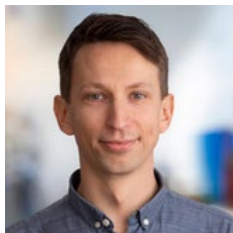
48 research centra and participation in /responsible for several research infrastructures

Many international collaborations and collaboration with industry





# KTH "research data office" -Who are we?



- Cross-functional group coordinated by KTH Library
- Collaborative effort including KTHB, IT, RSO och PDC (centre for High-performance computing)
- **Vision:** Research data at KTH:s is available according to FAIR principles so that KTH researchers know how to get access to high quality data for research
- **Mission:** Offer good support and services to KTH researchers on how to manage research data

+Sam och Therese, it-consultants

# What do we currently offer?



- Advice, training and support in data-related matters throughout the research process
- Guide you to the current digital services for managing research data
- Responsible for the KTH guidelines for research data management
- Projects in order to develop better digital services and organisational support in active research

# What are the pilot projects this year?

**INVENIO RDM**

**Research Complete**

- Preserving
- Giving Access
- Re-using

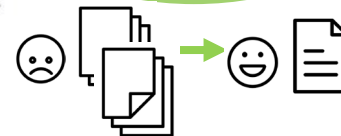


**maDMPs**

**Research Planning**

- Funding agencies requirements
- Legal framework and ethical issues
- Re-using existing data

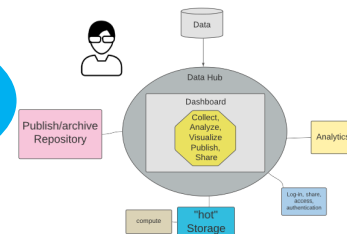
**Pilot 1  
maDMP's**



**Active state of research**

- Collecting
- Processing
- Analysing
- Tracking
- Sharing

**Pilot 2  
Datahub**



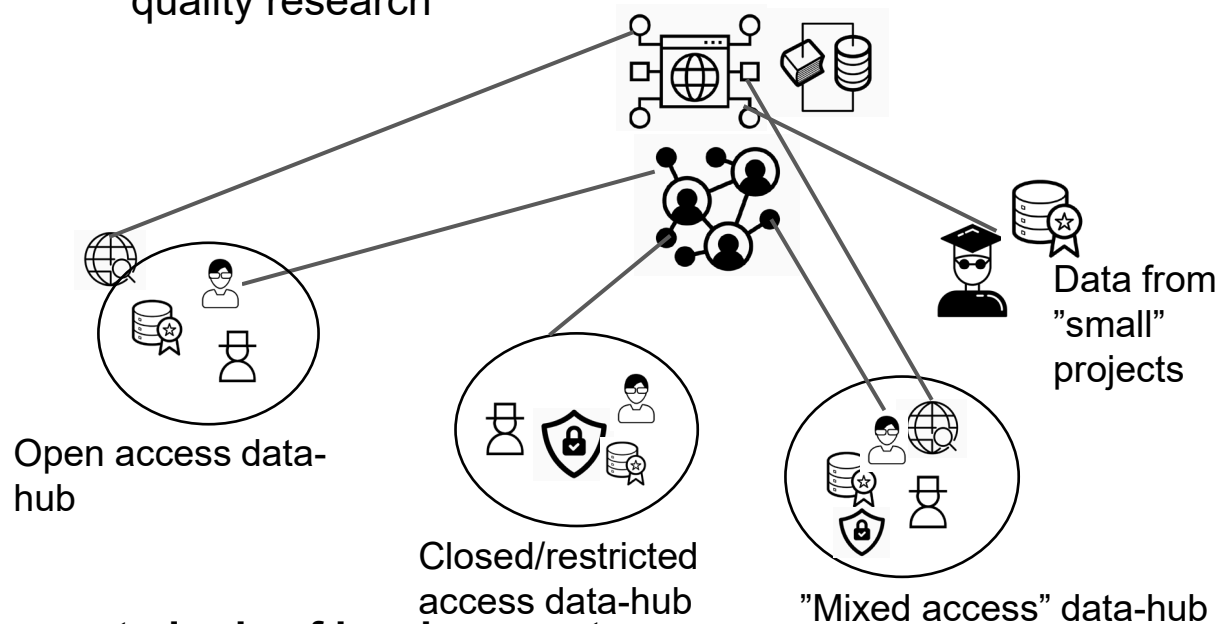
**Pilot 3  
Publish&archive  
platform**

- Pilot DMP: machine actionable data management plans for re-use of information –more efficient admin.
- Pilot Datahub & Data stewardship: How can a data-steward help researchers to ensure that high quality data is available to researchers over time in a data-driven research environment? And what digital services are needed in a data-driven research environment in order to become an efficient datahub?
- Pilot Invenio: Test and evaluate a candidate for a KTH platform to Publish&Archive research material (data, code, models, publications, presentations, posters etc)



# What is the long-term goal?

”A more connected data-infrastructure with well-developed data-hubs where scientists can use high-quality data efficiently within their research community to produce high-quality research”



## Suggested role of central support:

Support for capabilities needed during the research data life cycle at different research communities/ "data-hubs" via network of data stewards

Offer digital services with **automated** processes for compliance

Sustainable cost-model for data stewardship and data management

Provide a digital research repository where you can archive and find high quality data

Facilitate sharing of open data

Provide services for working with confidential data

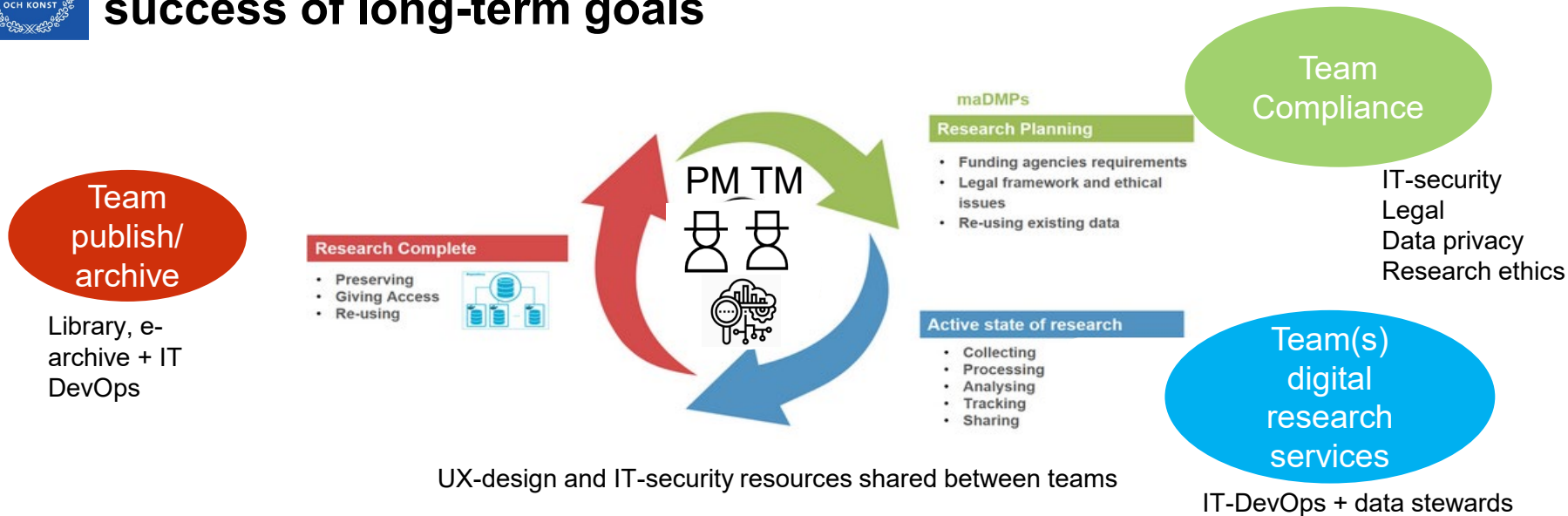
Keep track of and maintain DMPs

Data from "small" projects

## Suggested role of local support:

Data stewards maintaining **adaptive local** digital research environment. **Connecting** it to open research services for data when appropriate

# Summary of proposal for 2023 to overcome barriers and ensure success of long-term goals



- Establish a governing model for digital services for research data management and data assets in research
- Establish cross-functional agile teams in all three areas
- Employ the staff needed and ensure they have time devoted to work in teams
- Decide on cost-model for long-term funding of digital research services



# Do you want to know more?

- Web:

<https://www.kth.se/en/biblioteket/publicera-analysera/hantera-forskningsdata>

- Contact – support and advice:

[researchdata@kth.se](mailto:researchdata@kth.se)

- Online-course in Open Science and research data management:

<https://canvas.kth.se/courses/29371>

- KTH:s guidelines for managing research data:

[https://intra.kth.se/polopoly\\_fs/1.1037531.1608134528!/Guidelines-on-managing-research-data.pdf](https://intra.kth.se/polopoly_fs/1.1037531.1608134528!/Guidelines-on-managing-research-data.pdf)

- Do you want to test the system we're evaluating as publish&archive platform?

<https://invenio-test3.sys.kth.se/>