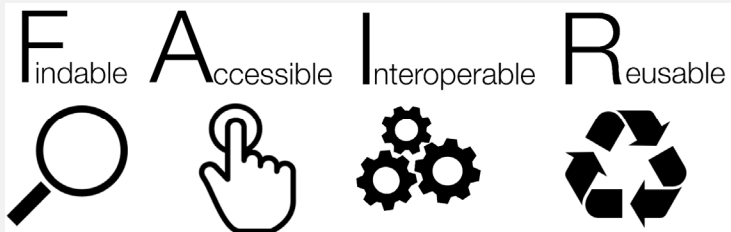


# FAIR data management

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2016\*



Implementation of FAIR data management at national, AU and department level

## Outline

- Why FAIR Data Management?
- National, AU, AGRO strategy and support
- Concrete actions
- Discussion

\*(Wilkinson, M.D. et al. The FAIR Guiding Principles for scientific data management and stewardship. Sci.Data 3:160018 doi:10.1038/2016.18 (2016))

2022

## Research Data Management (RDM)

### Comply with:

- The Danish Code of Conduct for Research Integrity
- National strategy on FAIR data management

### A must in EU projects:

- Projects generating research data **MUST** manage their data responsibly and in line with FAIR principles
- Deposit data in a trusted repository and provide open access through it: 'as open as possible as closed as necessary', via licenses
- Data Management Plan.



National strategy for data management based on the FAIR principles

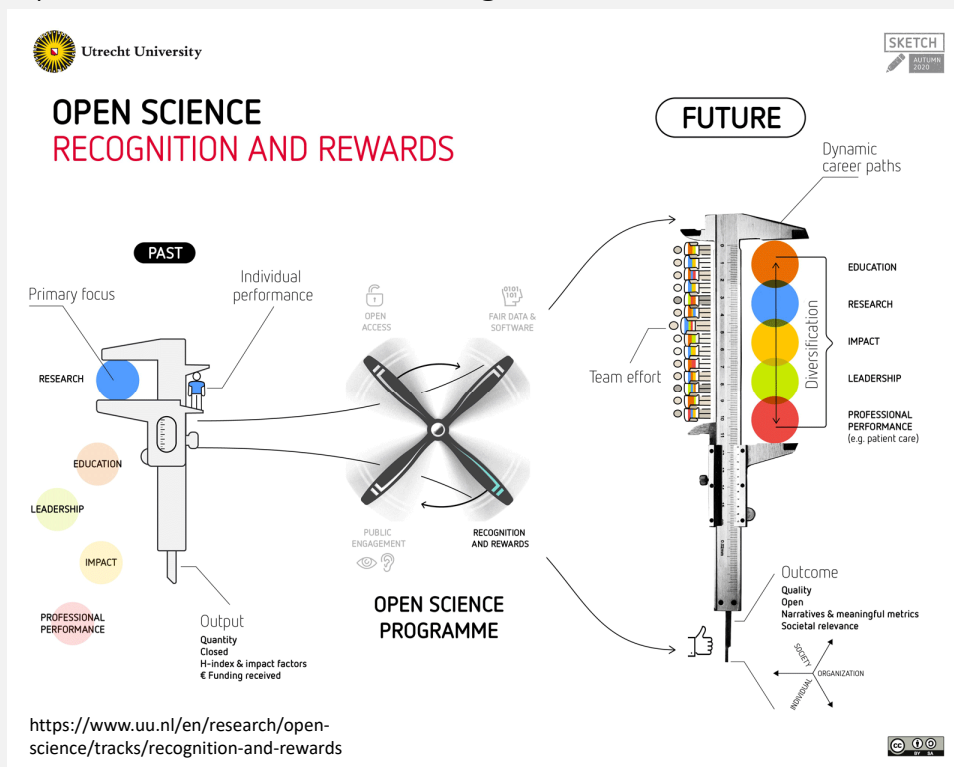


EUROPEAN OPEN SCIENCE CLOUD

# Make the DMP your best friend!

- Help to structure the work flow and data management – increase the quality of your research
- You will get recognized by other partners as a FAIR data management expert - Be an attractive partner!
- Get recognized and rewarded in a future holistic merit system

## Get recognized and rewarded! – Get ready Open Science - Utrecht's Recognition and rewards



## National strategy on FAIR DM

Transform the merit system



“work in publishing, maintaining and supporting the sharing of FAIR data is recognized and rewarded.”

## Implementation of FAIR principles, Technologies and Support is happening now, 2021-2025

### Ongoing activities:

- **National strategy for data management based on the FAIR principles, August 2021**
  - Ministry Working Groups: Identify best practices and monitor the implementation of FAIR Data Management
- **AU strategy for FAIR data management**
  - AU Open Science working group: Secure sharing of knowledge and coordination of Technical infrastructure, expertise and education (incl. Ph.D.)
- **Dept. of Agroecology strategy on FAIR data management**
  - AGRO Data Management Committee – Guide and help to manage data and tools based on the FAIR principles!



Steadily increase competences and support functions, - and Data Management infrastructure and digitalization

Key Methods: Work on use cases, networking and sharing of expertise at Faculty level, Data Stewards network by domain

**Change in Practice (Cultural change) – Time and resources - Funding**

## AU support this transition by securing:

- A. Technical infrastructure** (ERDA-SIF, DeIC Dataverse)
- B. Expertise, training and education** (Single point of Contact SPOC)
- C. FAIR DM is recognized as research-relevant activities**
- D. Data's value - long-term preservation**

# New data storage for Research data (File archive with folders like O:Drive)

- ERDA (Electronic Research Data Archive) and ERDA-SIF (Sensitive Information Facility)
- are AU's new digital solution for all types of research data.
- Researchers can store and share research data in a secure, efficient and responsible way
- Including research data that contains sensitive (GDPR) personal data
- SIF also makes it easy to share data between the research institutions.
- Integrates with DeiC Dataverse, a new metadata platform

↓  
**Trusted Data Repository**

INTERNE SIDER FOR MEDARBEJDERE PÅ AU

## Forskere får ny digital løsning til forskningsdata ultimo 2022

Til efteråret får forskere adgang til ERDA/SIF – en ny digital løsning, som gør det nemmere at opbevare og dele forskningsdata på en sikker, effektiv og ansvarlig måde – også forskningsdata, der indeholder følsomme personoplysninger.



En ny opbevaringsløsning til forskningsdata rykker tættere på, og efter planen kan alle AU-forskere forvente, at den nye løsning er klar til brug i løbet af november 2022. Løsningen hedder ERDA/SIF og er udviklet specifikt til at opbevare alle typer af forskningsdata.

Brian Winter, produktchef for forskning på Technical Sciences, står i spidsen for indsatsen, som er forankret i Forskningsudvalget. Han kalder det en vigtig brik i det samlede arbejde med at understøtte forskerne i at håndtere forskningsdata.

### Milepæle for udrulning

- September/oktober: Pilottest med inddragelse af forskere
- Oktober/november: Afholdelse af de første kurser og workshops
- Medio november: ERDA/SIF er klar til brug

# AGRO - Data Management committee (Start sept. 2021)

- Tasks**
- Implementing the FAIR principles in our research
  - Data management plan
  - Data storage
  - Effective data flow

INSTITUT FOR AGROØKOLOGI – MEDARBEJDERPORTAL

## Data management udvalg

**Baggrund og formål**  
Udvalget er ansat af AGRO's institutledelse. Udvalget refererer til institutledelsen. Data udgør en meget vigtig og ressourcerende del i AGRO, hvorfor en løbende optimering af området er central. Datahåndtering er samtidig en central del af de enkelte forskeres forskningsindsats og af instituttets generelle forpligtelser. Udvalgets opgave er at understøtte institutledelsen i at sikre, at instituttet lever op til gældende regler for data management, datasikkerhed, GDPR, o.l.

**Kommissorium**

**Referater**

**Links til relevante sider på AU og andre steder**

**Formand for udvalget**  
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## Next concrete actions

- **Increase knowledge and competences about FAIR data management in AGRO**
  - Work on AGRO use cases regarding FAIR data Management
  - General information and training at all levels in the institute
  - Educate one person in Foulum and one in Flakkebjerg to the level of Data steward and form a network of “data managers” in AGRO
  - AGRO and Cross Tech Institute workshops in Spring 2023 to broaden out, coordinate and aligning to AU Policy
- **Explore potentials in the new data storage facilities and meta database (ERDA-SIF and DeiC Dataverse)**
  - Offer AGRO use cases for the implementation of ERDA-SIF (January 2023) and DeiC Dataverse (June 2023)
  - Training course in ERDA-SIF(February 2023)
  - Start using the new facilities for all relevant projects spring 2023
- **Funding**
  - Increase budget for FAIR data management in larger projects – identifying new funding opportunities
- **Comply with EU, National and AU regulations, strategies and utilize new facilities**
  - Jens G. Hansen feed AGRO needs about FAIR DM into AU, and ministry committees, Maria Knadel active in the Tech **Digital Infrastructure Committee** (Big data & High Performance Computing).

## Key messages

1. Why FAIR Data Management? Increase the quality of your research and be an attractive partner in the future
  - - Besides that the ability to build your research on FAIR-principles will be part of a more holistic evaluation in a future merit-system
2. There are many concrete work tools and help both at National, AU, AGRO level, so please just contact the AGRO Data Management Committee to get started
3. There will be continuous activities and training – So if you have specific needs, ideas or maybe yet a use case to be involved in testing ERDA/SIF please contact Jens or me.