

Implementation of FAIR Practices in Denmark - Launch of Danish GO FAIR Office



Launch of Danish GO FAIR Office

DeiC is launching the [Danish GO FAIR office](#) to support implementation of the [FAIR Principles](#) in practice in Denmark.

Join us on Monday, 13 June 2022 at 2.30-4pm CEST to welcome GO FAIR Denmark!

[Register here](#)



Welcome

[Anders S. Conrad](#), head of DeiC Data Management Team and [René Belsø](#), Data Management Consultant



Motivation for a Danish GO FAIR Office



[GO FAIR](#) is a bottom-up member-driven international initiative, aimed at **implementing** the [FAIR principles](#) – i.e. guidelines to improve the **F**indability, **A**ccessibility, **I**nteroperability, and **R**euse of digital assets.

GO FAIR continuously develops understanding of what constitutes FAIR data, how one might archive it, and what needs to be implemented in terms of acquiring state-of-the-art data management capabilities. Moreover, GO FAIR implements, gets things done, through GO FAIR Implementation Networks assisted by the **GO FAIR International Support and Coordination Office (ISCO)**.

The DeiC Go FAIR Office

Supports long term strategic aims:

1. From international cooperation bringing home competence; and distribute competence nationally aiming at supporting all three pillars of the **Danish National FAIR Strategy implementation**:
 - Principles
 - Actions
2. Coordinate and engage national universities in international implementation cooperation, e.g. on GO FAIR Implementation Networks
3. Support GO FAIR Implementation Networks; e.g. Data Stewardship (GO Train); FAIR Infrastructure (GO Build)

Program

> Welcome

(Anders S. Conrad, head of DeiC Data Management and René Belsø, Data Management Consultant, DeiC)

> Program presentation

(Anne Sofie Fink, Data Management Consultant, DeiC)

> Introduction to GO FAIR

(Erik Schultes, International Science Coordinator, GO FAIR)

> Implementation of FAIR practices - Offers and initiatives from your Danish GO FAIR Office

— The Danish GO FAIR Office's international participation

(René Belsø, Data Management Consultant)

— The GO FAIR Office's activities to support FAIRification in Denmark 2022+

(Hannah Mihai, Data Management Consultant)

> Wrap up

(Anders S. Conrad, head of DeiC Data Management and Anne Sofie Fink, Data Management Consultant, DeiC)

Practicalities:

- *Questions & Comments*
- *Use of cameras*
- *Bio's*
- *Sharing of slides*
- *Feedback*

Introduction to GO FAIR

[Erik Schultes](#), International Science Coordinator, GO FAIR




Questions and comments for GO FAIR and Erik



Implementation of FAIR practices

- Offers and initiatives from your Danish GO FAIR Office

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- A thick, light green decorative line that starts from the left edge of the slide, curves upwards and to the right, then curves downwards and to the right, ending near the list items.
- The GO FAIR Office's international participation and contribution
 - The GO FAIR Office's activities to support FAIRification in Denmark

The GO FAIR Office's international participation

René Belsø, Data Management Consultation, DeiC

The GO FAIR International Coordination and Support Office (ISCO)

Vision:

- > Support the national GO FAIR offices with the overall goal to contribute to the EOSC in such a way that all digital research objects comply with the FAIR principles, effectively creating an Internet of FAIR Data and Services.

Purpose:

- > Concept and tool development assisting FAIR Implementation
- > Support for FAIR Implementation Network

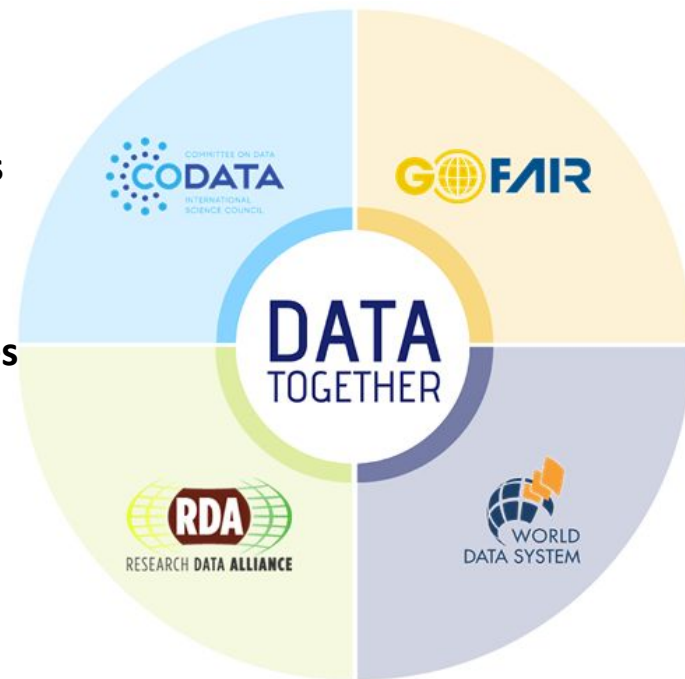
Members:

- > GO FAIR Netherland
- > GO FAIR Austria
- > GO FAIR Brazil
- > [GO FAIR Denmark](#)
- > GO FAIR France
- > GO FAIR Germany
- > GO FAIR US



DATA TOGETHER: cooperation between organisations working with FAIR data:

- Joint commitment of 4 major international data organizations to work together.
- Each 4 organizations draws on separate mandates, and advances distinct but complementary strategies and outcomes
- Regular meetings of DATA TOGETHER to achieve coordination and cooperation (often shared objectives and overlapping communities)
- Denmark has a focus on GO FAIR, Implementation, and about being operational



GO CHANGE

Culture



Socio-cultural change involving relevant stakeholders at all levels relevant for the flourishing of Open Science

GO TRAIN

Training



Training data stewards capable of designing and implementing proper data stewardship plans including FAIR data and services

GO BUILD

Technology



Designing and building standards, best practices and infrastructure components needed to create the Internet of Fair Data and Services (IFDS)

GO FAIR International Support and Coordination Office

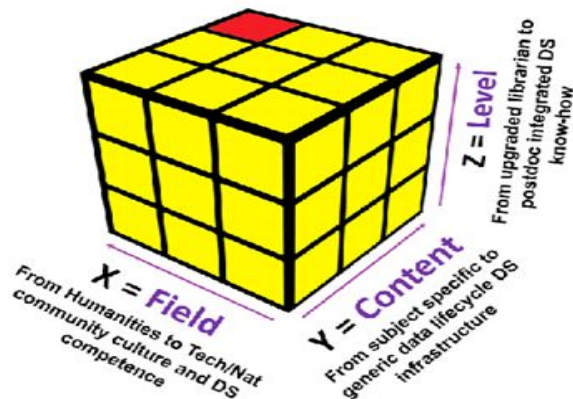
Change



Raison d'être Dualism

Change with primary focus on the **pull** from researchers, assisted by the funder **push**

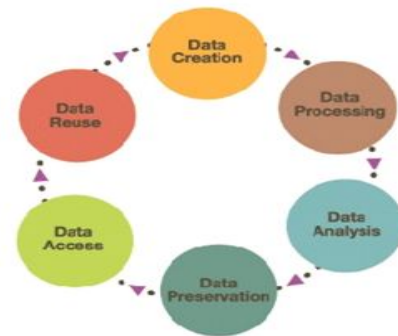
Train



Data Steward Ambiguity

Train internationally in the right **field**, with the right **content**, at the correct **level**

Build



Disconnect in Funding

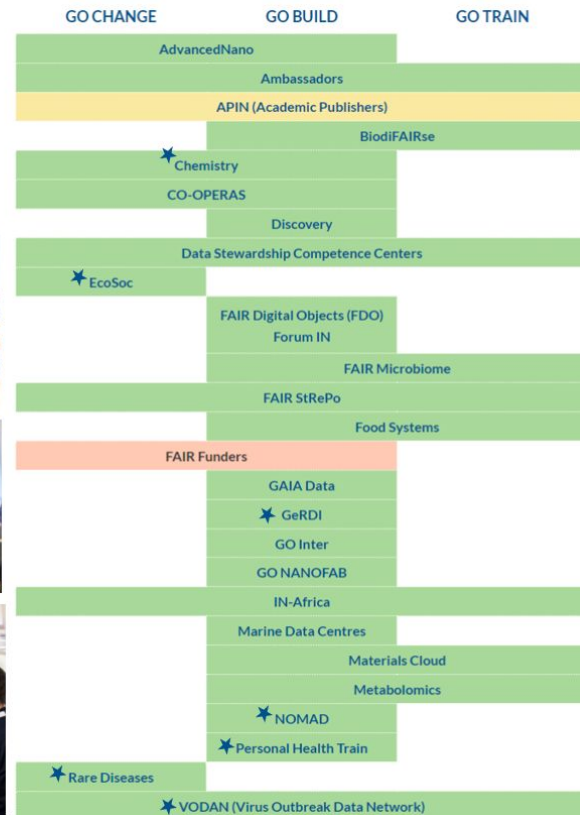
Build with **joint funding** standardised-, interoperable-, automated *generic* infrastructure

Coordinated by the GO FAIR International Support and Coordination Office (GFISCO) and regional/national offices

GO FAIR Implementation Networks

E.g.:

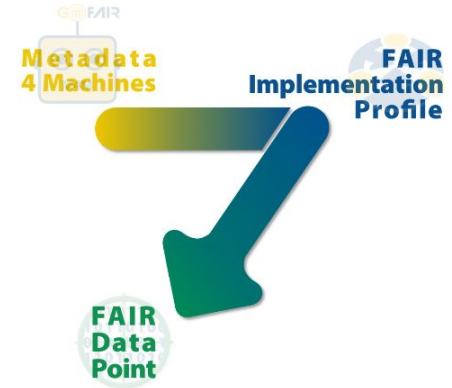
- Data Stewardship Competence Centre (DSCC) IN: Address the challenge of establishing professional, institution-wide research data stewardship
- FAIR Digital Object Forum IN: Increase interoperability of digital artifacts across disciplines With a strong emphasis on machine-actionability
- Discovery IN: Improve visibility and discoverability of research data across disciplines
- Vodan IN: Virus Outbreak Data
- ... and more INs



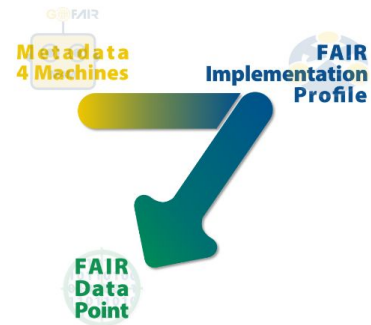
GO FAIR Implementation Networks concentrate on:

- **Convergence around existing solutions** {
Change
Train
Build
- **Advocated approach: 3-point framework for FAIRification**

- FAIR Implementation Profile (FIP)
- FAIR Data Point (FDP)
- Metadata for Machine (M4M)



Questions and comments



The GO FAIR Office's activities to support FAIRification in Denmark 2022 and beyond

[Hannah Mihaj](#), Data Management Consultant, DeiC

The FAIRification process

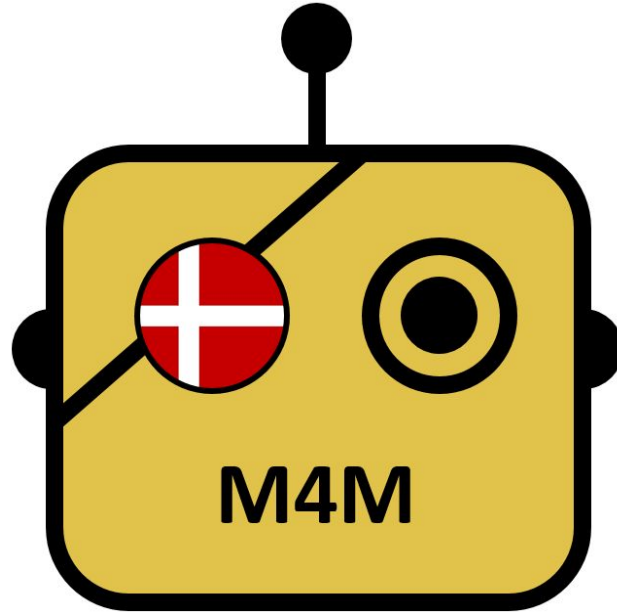


<https://www.deic.dk/en/data-management/international-cooperation/The-Danish-GO-FAIR-Office>



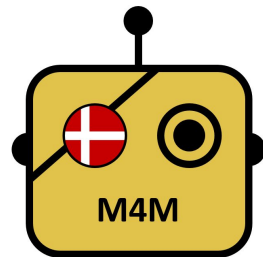
<https://www.go-fair.org/how-to-go-fair/>

Metadata 4 Machines



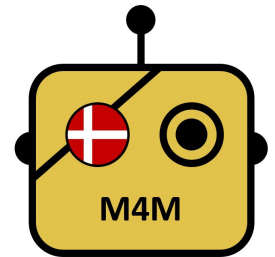
Metadata 4 Machines - what is that?

- A workshop that helps to create machine-actionable metadata
 - Creation of a machine-actionable ontology using GoogleSheets, GitHub and DeiC's ontology server
 - Creation of a machine actionable metadata template in CEDAR
 - Publishing machine actionable metadata by using the newly created ontology in the template in CEDAR
- The workshop itself:
 - Homework (creating accounts, finding datasets, familiarizing about FAIR)
 - 1 hour pre-WS meeting (in order to avoid technical issues during the WS)
 - 1 day online or physical workshop



M4M - concrete plans

- Preparations for a Train the Trainer workshops
 - ongoing discussions with data stewards
 - Development of user friendly interface for easier workshop setup
 - Publication of M4M Train-the-Trainers format
- Open call for M4M TtT workshop in winter 2022



FIP - FAIR Implementation Profile



FAIR Implementation Profile - what is that?

- A FIP is a collection of FAIR implementation choices made by a community of practice for each of the FAIR principles.
- Tool: FIP wizard <https://fip-wizard.ds-wizard.org/dashboard>
- Can be used to increase convergence between groups or to help making implementation choices based on already published FIPs



FIP - concrete plans

- Workshops for research groups that want to produce a FIP in order to
 - increase convergence
 - increase re-use of data
 - be in line with the national FAIR strategy
- Create a FIP for the new national Trusted Data Repository in order to support future development towards FAIR

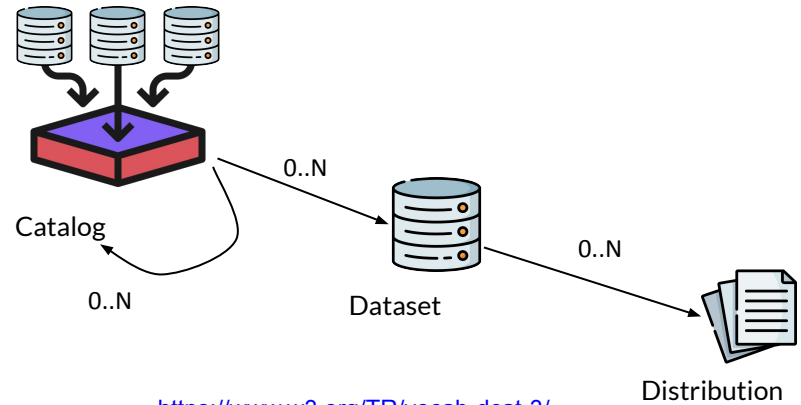


FDP - FAIR Data Point



FAIR Data Point - what is that?

- Metadata repository following the DCAT organization
- Machine-actionable metadata in RDF format
- Used by VODAN Africa and dutch academic hospitals
- Setup can be done manually by a technically-skilled person
- More information:
<https://www.fairdatapoint.org/>



<https://www.w3.org/TR/vocab-dcat-3/>

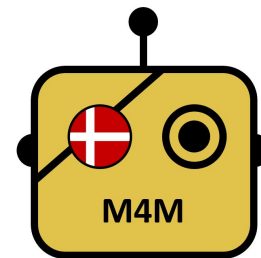


FDP - concrete plans

- Possibility for workshop to explore a FAIR data endpoint in collaboration with GO FAIR
- Input for discussions with the national infrastructure providers
- Connection of CEDAR and FDP
 - Export of metadata directly from CEDAR without manually setting up an FDP
 - Requires someone with programming experience



Questions and comments



Wrap up of the launch event

[Anders S. Conrad](#), Head of DeiC Data Management Team
and [Anne Sofie Fink](#), Data Management Consultant



<https://www.niehs.nih.gov/research/supported/translational/implementation/index.cfm>

Wrap Up

The offers by the Danish National Office aims at being...

- Inclusive and inviting
- Straight forward and manageable
- With low entrance barriers
- Flexible and adaptable

The GO FAIR Toolbox offers will be...

- Based on cooperation
- Under continuous development
- Exploiting synergies between international and national efforts

The value of the office is to be proven by cooperation, shared development and FAIR implementation, implementation, implementation ...



<https://preventioncentre.org.au/research-projects/implementation-and-scale-up/>

Stay tuned for invitations, suggestions, cooperation etc. from the Danish GO FAIR Office



Questions and comments



Thank you:)

Resources:

Danish GO FAIR Office:

<https://www.deic.dk/da/data-management/internationalt-samarbejde/Det-danske-GO-FAIR-kontor>

National Strategy for Data Management based on FAIR Principles:

<https://doi.org/10.48715/ea59-tp35>

GO FAIR initiative: <https://www.go-fair.org/>

GO FAIR Foundation:

<https://www.gofair.foundation/>



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@GO FAIR foundation:

<https://www.gofair.foundation/about>