

# FAIR-Aware:

## Assess your knowledge on the FAIR Data Principles

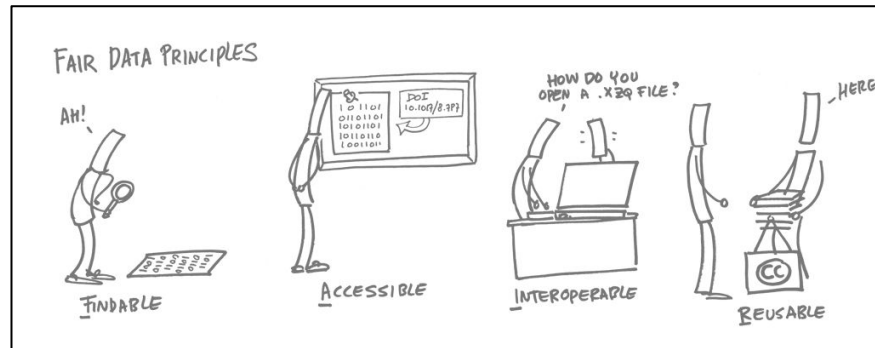
Maaïke Verburg (DANS)

NWO Life 2021 (May 27 2021)

Plan ahead: practical tools to make your data and software more FAIR

# Making data FAIR

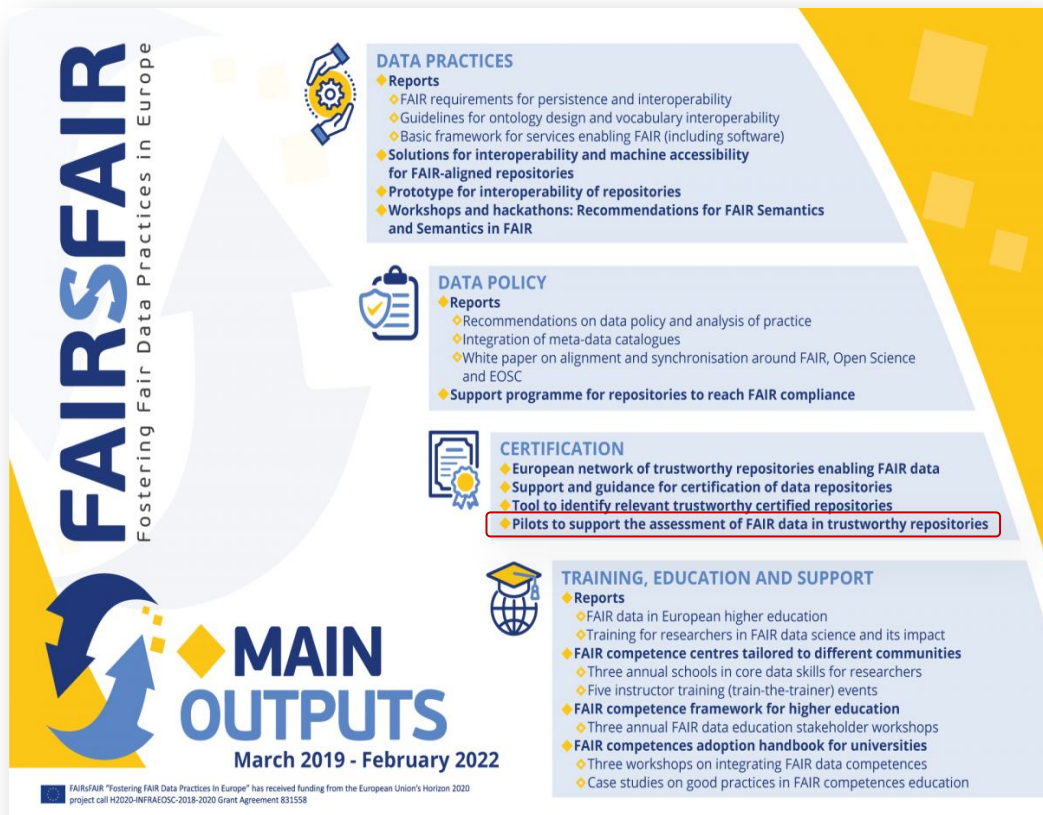
- Collaboration you ↔ repository
- Takes work!
- It's not an all-or-nothing principle
  - Any step towards FAIR reaps benefits
- It's not an one-size-fits-all solution
  - Discipline-specific standards
  - You might need tailored support
- So, what can **you** do?
  - Step 1: Educate yourself!



(image after [Beziak et al. 2018](#).)

# FAIRsFAIR - Fostering FAIR data practices in Europe

- Goal: Practical solutions for the use of FAIR principles throughout the research data life cycle
- Budget: €10 million
- Duration: 2019-2022
- Who?: 22 partners from 8 EU member states
  - DANS (project coordinator)



**FAIRSFair**  
Fostering Fair Data Practices in Europe

**DATA PRACTICES**

- ◆ Reports
  - ◆ FAIR requirements for persistence and interoperability
  - ◆ Guidelines for ontology design and vocabulary interoperability
  - ◆ Basic framework for services enabling FAIR (including software)
- ◆ Solutions for interoperability and machine accessibility for FAIR-aligned repositories
- ◆ Prototype for interoperability of repositories
- ◆ Workshops and hackathons: Recommendations for FAIR Semantics and Semantics in FAIR

**DATA POLICY**

- ◆ Reports
  - ◆ Recommendations on data policy and analysis of practice
  - ◆ Integration of meta-data catalogues
  - ◆ White paper on alignment and synchronisation around FAIR, Open Science and EOSC
- ◆ Support programme for repositories to reach FAIR compliance

**CERTIFICATION**

- ◆ European network of trustworthy repositories enabling FAIR data
- ◆ Support and guidance for certification of data repositories
- ◆ Tool to identify relevant trustworthy certified repositories
- ◆ Pilots to support the assessment of FAIR data in trustworthy repositories

**TRAINING, EDUCATION AND SUPPORT**

- ◆ Reports
  - ◆ FAIR data in European higher education
  - ◆ Training for researchers in FAIR data science and its impact
- ◆ FAIR competence centres tailored to different communities
  - ◆ Three annual schools in core data skills for researchers
  - ◆ Five instructor training (train-the-trainer) events
- ◆ FAIR competence framework for higher education
  - ◆ Three annual FAIR data education stakeholder workshops
- ◆ FAIR competences adoption handbook for universities
  - ◆ Three workshops on integrating FAIR data competences
  - ◆ Case studies on good practices in FAIR competences education

**MAIN OUTPUTS**  
March 2019 - February 2022

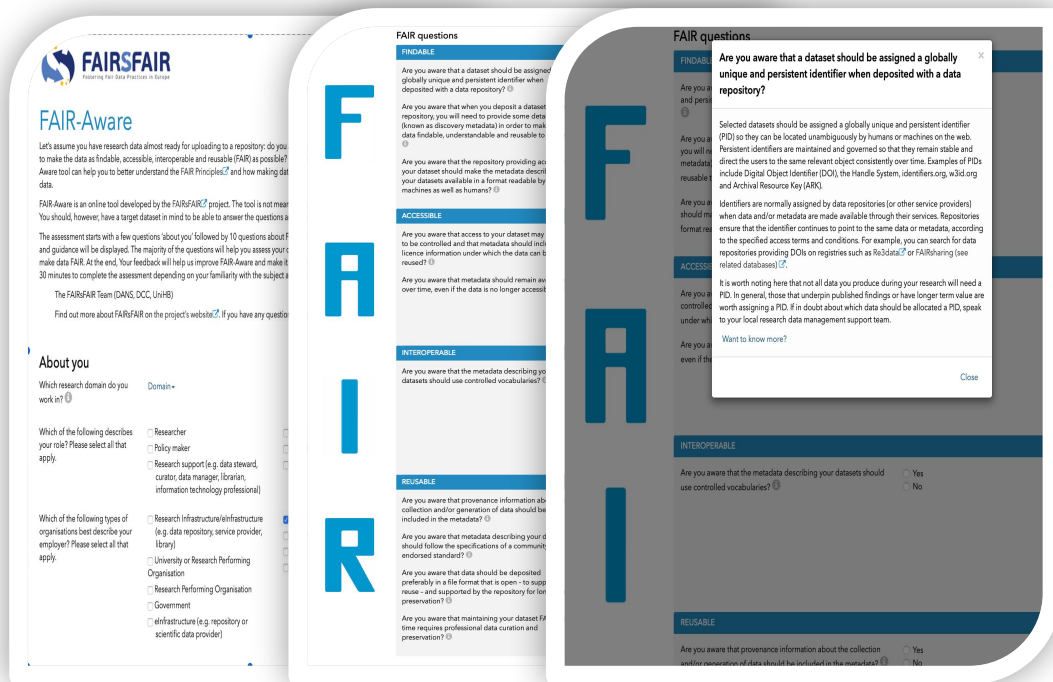
FAIRsFAIR "Fostering FAIR Data Practices in Europe" has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-2018-2020 Grant Agreement 831558

Image source: <https://www.fairsfair.eu>

# The FAIR-Aware tool



- For researchers and data stewards
- Online tool to raise awareness and educate on the FAIR data principles
- 10 simple questions with practical tips to improve data FAIRness before deposit



# The FAIR-Aware tool

- Use the resources presented in the tool to increase your knowledge and develop FAIR skills
- Leave feedback about your experience and how the tool can improve
- Spread the word!

## Feedback

Please answer the four questions below to help us improve the tool and make it even more relevant for the community.

- Which of the following issues do you find hard to understand and/or to answer?

1. Globally unique persistent identifier (PID)



2. Metadata for citation and discovery

Thank you for your participation!

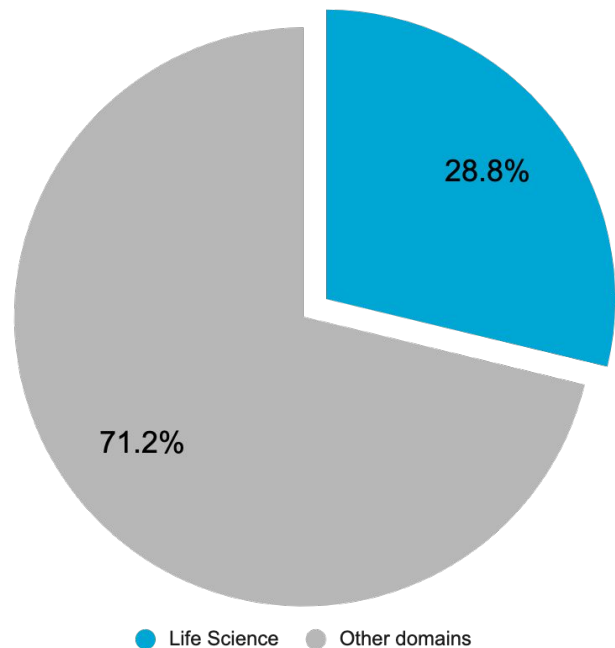
The FAIR logo is displayed in a blue, blocky font. Each letter has a horizontal bar extending from its top, resembling a progress bar or a container. The bars are filled with a light blue color.

Awareness:  
High (8/10)

The FAIR logo is displayed in a yellow, blocky font. Each letter has a horizontal bar extending from its bottom, resembling a progress bar or a container. The bars are filled with a light yellow color.

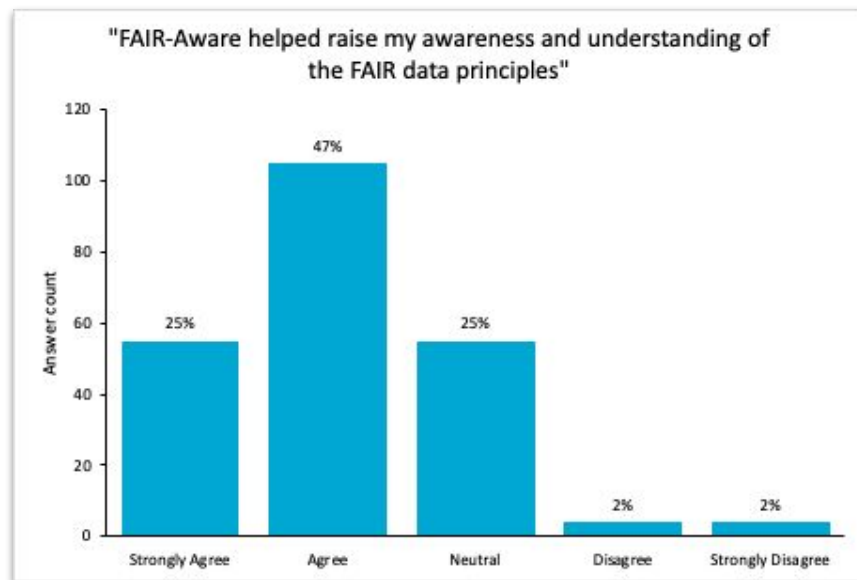
Willingness to comply:  
Low (27/50)

# Results so far



*"The FAIR principles were not familiar to me at the time when I was trying to get published. The FAIR-Aware tool is informative and easy to use as a point of reference for my further publication career"*

- Researcher from the life science / medicine domain



# A closer look

## Question 8 (Reusability):

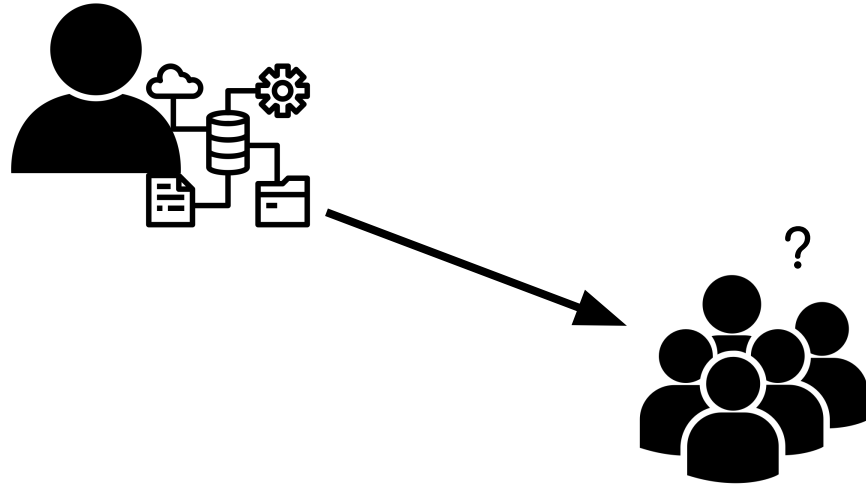
Are you aware that **metadata** describing your data should follow the specifications of a **community-endorsed standard**?



# FAIR-Aware guidance

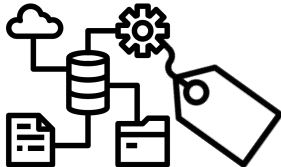
- Community-endorsed standards are important for communication and sharing within your domain
- Find a community-endorsed standard in a metadata registry: [RDA](#) | [DCC](#)
- Choose a repository that is specific to your domain or discipline on [Re3data](#)
- Is your domain lacking standards? (e.g., very limited, still in development)
  - Contact a research data management expert to identify possible solutions

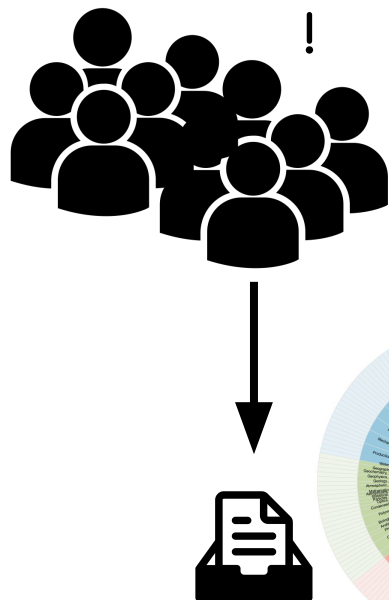






**Metadata**  
RDA | Metadata Directory





# Metadata

RDA | Metadata Directory



re3data.org



# Thank you!

Back to the main room for wrap-up.

## Get in contact!

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