FAIRSFAIR
Fostering Fair Data Practices in Europe

Assessing a moving target: Measuring FAIRness

@FAIRsFAIR_EU
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FAIRsFAIR Roadshow in the Netherlands

2 March 2021

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

Outline: two tools

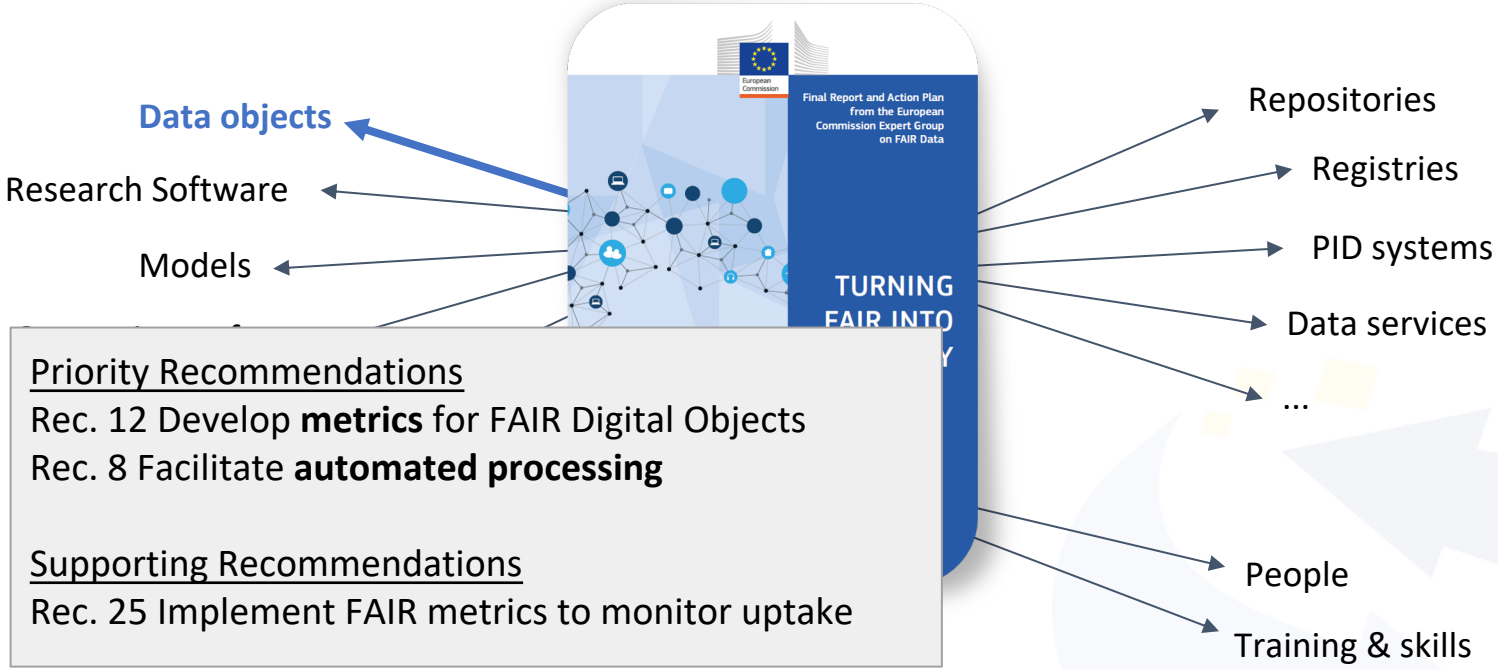
How FAIR are existing data objects?

How can you make new data more FAIR?

FAIR metrics and assessment

European Commission Expert Group on FAIR Data, 2018. https://doi.org/10.2777/1524

FAIR metrics and assessment



Priority Recommendations

Rec. 12 Develop **metrics** for FAIR Digital Objects

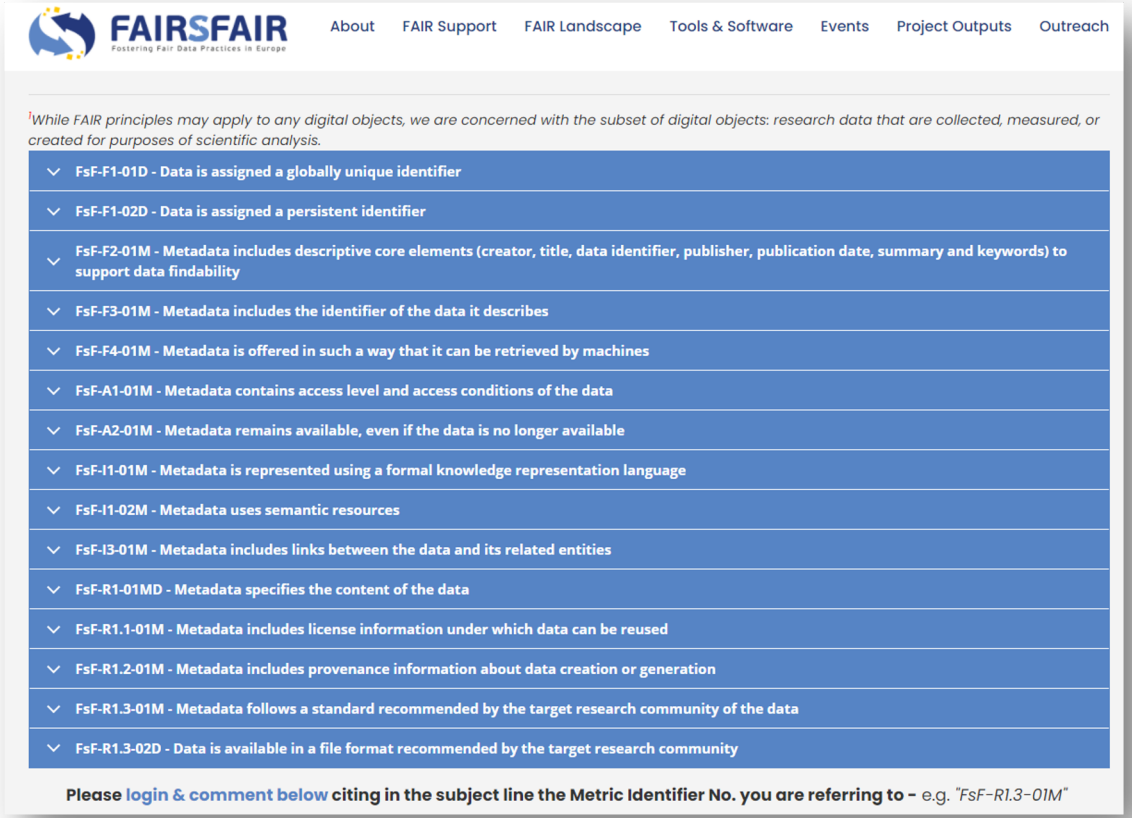
Rec. 8 Facilitate **automated processing**

Supporting Recommendations

Rec. 25 Implement FAIR metrics to monitor uptake

European Commission Expert Group on FAIR Data, 2018. https://doi.org/10.2777/1524

FAIR | Data Object Assessment Metrics



RDA
RESEARCH DATA ALLIANCE

Building on prior global indicators & initiatives

Refine and revise metrics through iterations (v0.4)

https://fairsfair.eu/fairsfair-data-object-assessment-metrics-request-comments

FAIRsFAIR Data Object Assessment Metrics: https://doi.org/10.5281/zenodo.4081213

Repositories

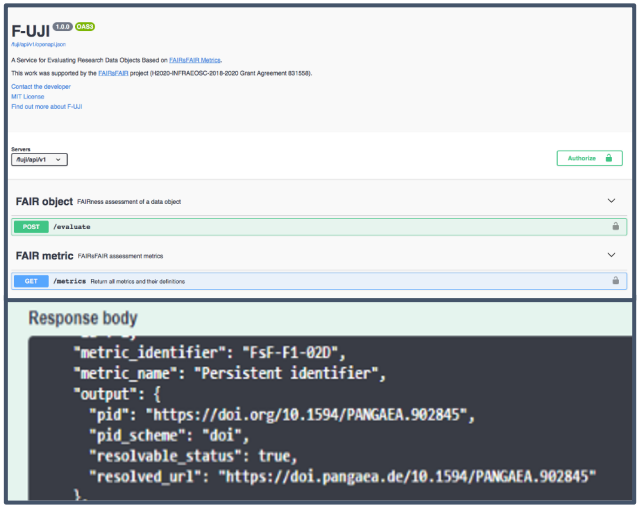
Existing web standards and external registries and resources

https://www.fairsfair.eu/f-uji-automated-fair-data-assessment-tool

Practical tests implemented against metrics

Programmatic assessment for published datasets

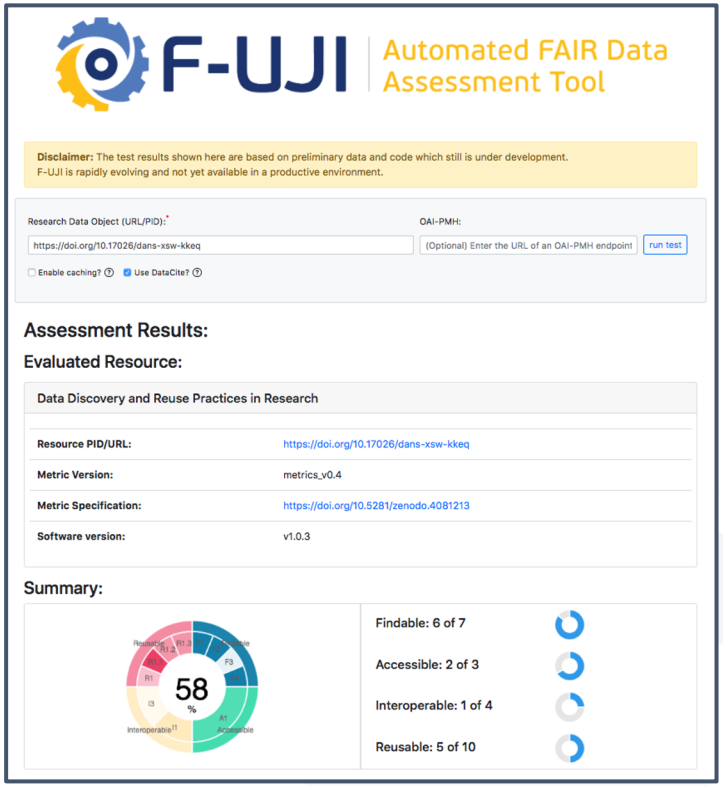
Machine-actionable **assessment tool**



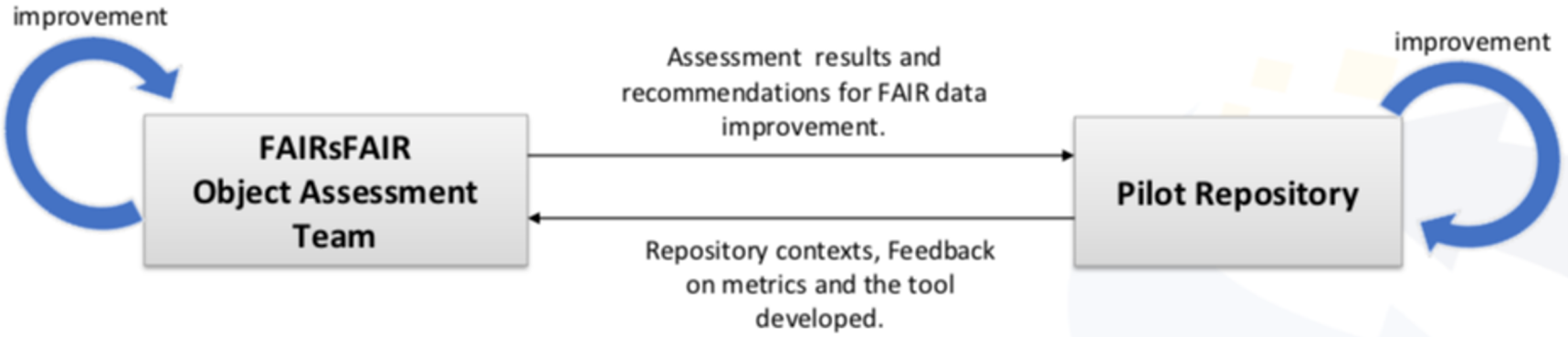
https://github.com/pangaea-data-publisher/fuji

Pilot under development

Graphical user interface / www.f-uji.net

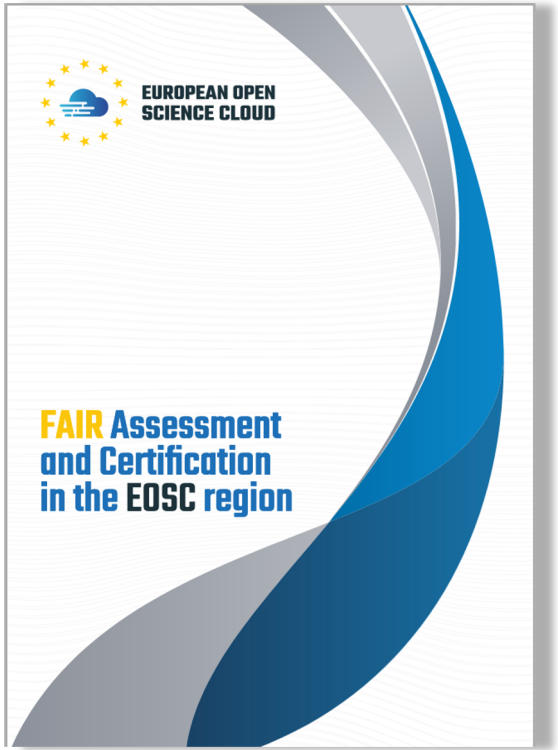


Continuous process: iteration and improvement



Alignment of FAIR data assessment initiatives

Avoid
duplicate efforts



https://www.fairsfair.eu/news/fair-assessment-and-certification-eosc-region-report-available

Find synergies

Disciplinary practices

Are we assessing a moving target?

- FAIRness is a moving target
- A FAIR assessment is a snapshot in time
- Automated FAIR assessment needs human mediation

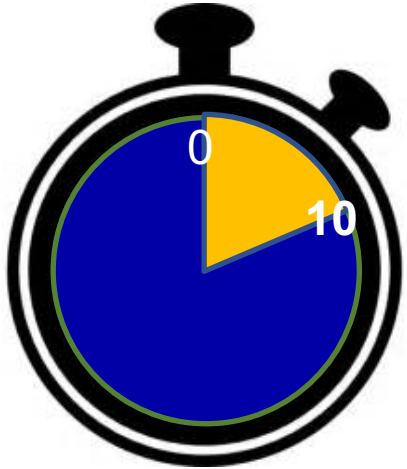
"Numbers need a narrative."

FAIR Aware

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

https://fairaware.dans.knaw.nl/

Hands-on with FAIR Aware



1. Think of a dataset:
   a. Either a dataset you know,
   b. or one of these:
      i. https://bit.ly/CycloneData
      ii. https://bit.ly/BirdsData
2. Go to https://fairaware.dans.knaw.nl/ and check the FAIRness of the dataset.
   - If you use i-ii, replace “Are you aware that...” with “Do you think that the data creator was aware that…”

Fun fact: i. won a Dutch Data Award and ii. won an incentive Dutch Data Award, see https://bit.ly/DutchDataAward

Thank you for listening!

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www.linkedin.com/company/fairsfair/

www.youtube.com/channel/UCE4wSBnNIBfu6SqlBaIMfNg

Join the FAIRsFAIR Week 2021!

https://fairsfair.eu/events/fairsfair-week-2021

Join us on Tuesday 13th April in the public workshop, or in other events.

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