



FAIRsFAIR

Fostering Fair Data Practices in Europe

FAIR Certification

Eliane Fankhauser (DANS), project manager FAIRsFAIR
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The FAIRsFAIR project



www.fairsfair.eu

In a nutshell:

- Horizon2020 project on e-infrastructure
- Start: 1 March 2019
- Duration: 36 months
- Budget: 10M Euro
- 22 partners from 8 member states
- Coordinated by DANS
- 7 Work Packages
- 1 Work Package on FAIR certification

Data Archiving and Networked Services

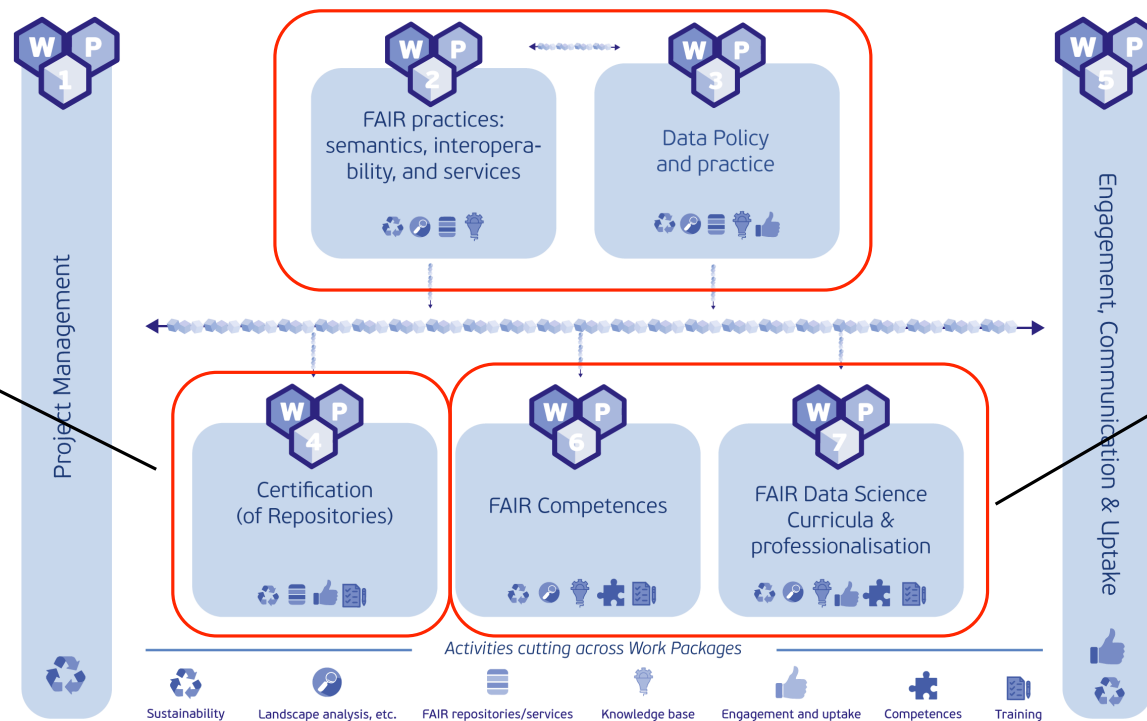
DANS



Technical requirements and policy

Certification

Training & education





Overall aim

- Development and concrete realisation of an **overall knowledge infrastructure based on the FAIR data principles** on academic quality
 - data management
 - procedures
 - certification
 - metrics ...
- Contribute to a **FAIR infrastructure of the EOSC** [European Open Science Cloud]



Trustworthy Digital repositories

- **Core level certification** for any repository
- Certification through self-assessment
- 16 requirements, including:
 - Licenses
 - Continuity of access
 - Organizational infrastructure
 - Preservation plan
 - Data discovery
- Peer review (Assembly of Reviewers)



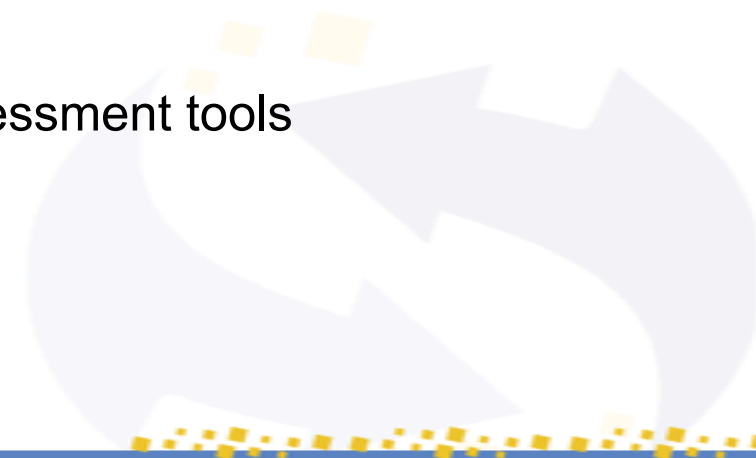
Work on certification in FAIRsFAIR

1. Development of a **FAIR certification mechanism**
 - a. Core requirements for FAIR on level of repositories and datasets
 - b. Core level certification
2. Building an **extension model to CoreTrustSeal**
3. Building a **network of FAIR trusted repositories**
4. Building a **repository finder tool**
5. Building and assessing FAIR assessment tools



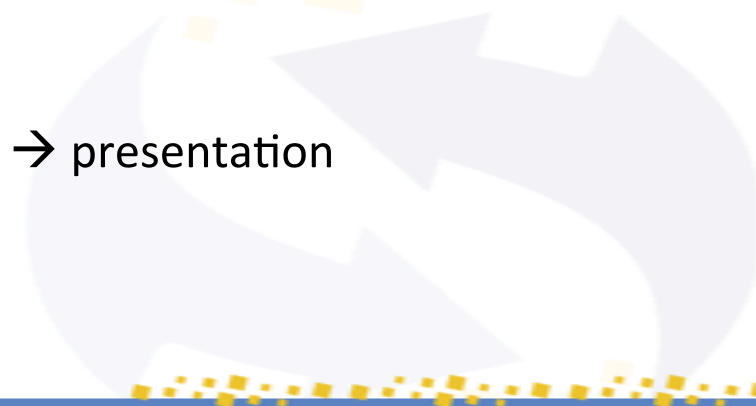
FAIRsFAIR's 5 steps to a FAIR(er) certification

1. Capability maturity model and extending the CTS Requirements
2. Building and extending the network of trustworthy repositories
3. Providing training materials to support the certification process
4. Build a FAIR repository finder
5. On level of datasets: FAIR assessment assessment tools



Making certification FAIR: **Capability maturity model**

- Look at existing maturity models in scientific infrastructures and implications of CTS guidelines on maturity modelling
 - Extension of 16 core requirements to align FAIR maturity where necessary
 - Mapping FAIR Principles and CTS requirements → presentation
- Mustapha Mokrane at iPres in Amsterdam

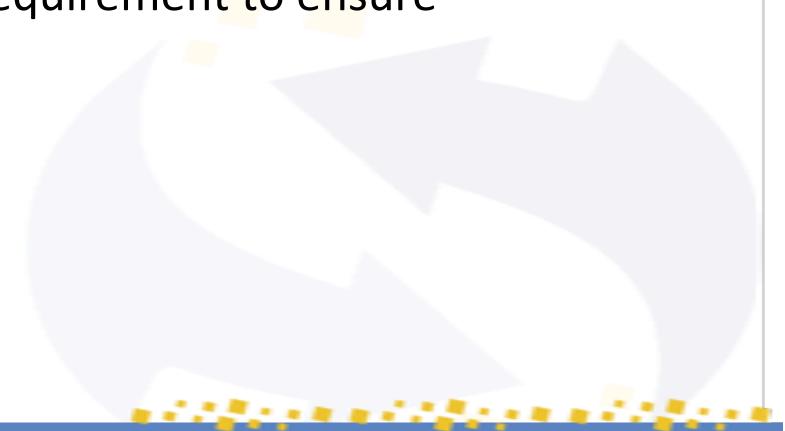


Build a European **network** of FAIR trusted digital repositories

- Identify a network of Trusted Digital Repositories
- Expand the network through an open call
 - Financial support for repositories which aim for a CTS certificate
 - Publication of open call mid June on www.fairsfair.eu

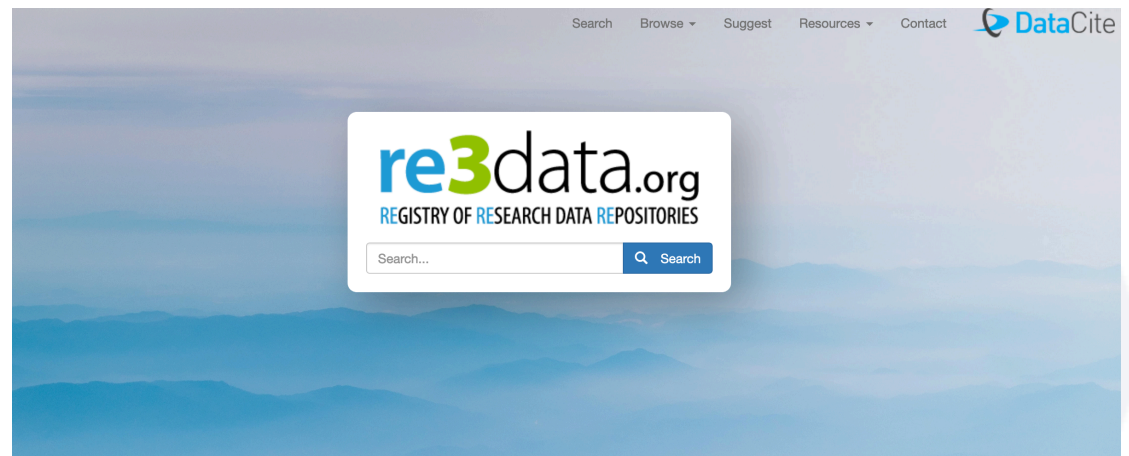
Training and advise on FAIR certification

- Supporting repositories in the process of getting certified by providing materials, training and advice
- Make known the extend and FAIR-aligned CTS requirement to ensure uptake in the communities



Repository finder tool for FAIR repositories

- Building a tool to find trustworthy repositories
- Re3data service by DataCite



Pilots for **FAIR data** assessments

- Definition of Core level FAIR certification
- Pilots to define requirements to support the assessment of data and repositories as FAIR
- Support measuring of data fitness for use



Summary: How do we tackle FAIR certification?

- Making certification FAIR (capability maturity model)
- Building a network of FAIR repositories
- Providing training and advise on FAIR certification
- Building a repository finder tool
- Building FAIR assessment tools (on the level of datasets)



Collaboration with other projects and initiatives

- FAIR data maturity model working group (Research Data Alliance)
- Certification of Digital Repositories (interest group of the RDA)
- Collaborating with the EOSC Working Group on FAIR (chair: Sarah Jones)





Thank you for your attention!

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