



FAIRsFAIR

Fostering Fair Data Practices in Europe

Making your repository more trustworthy – good practices from FAIRsFAIR

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Hervé L'Hours, UKDA (The United Kingdom) has kindly contributed to this presentation (CoreTrustSeal and FAIR work).



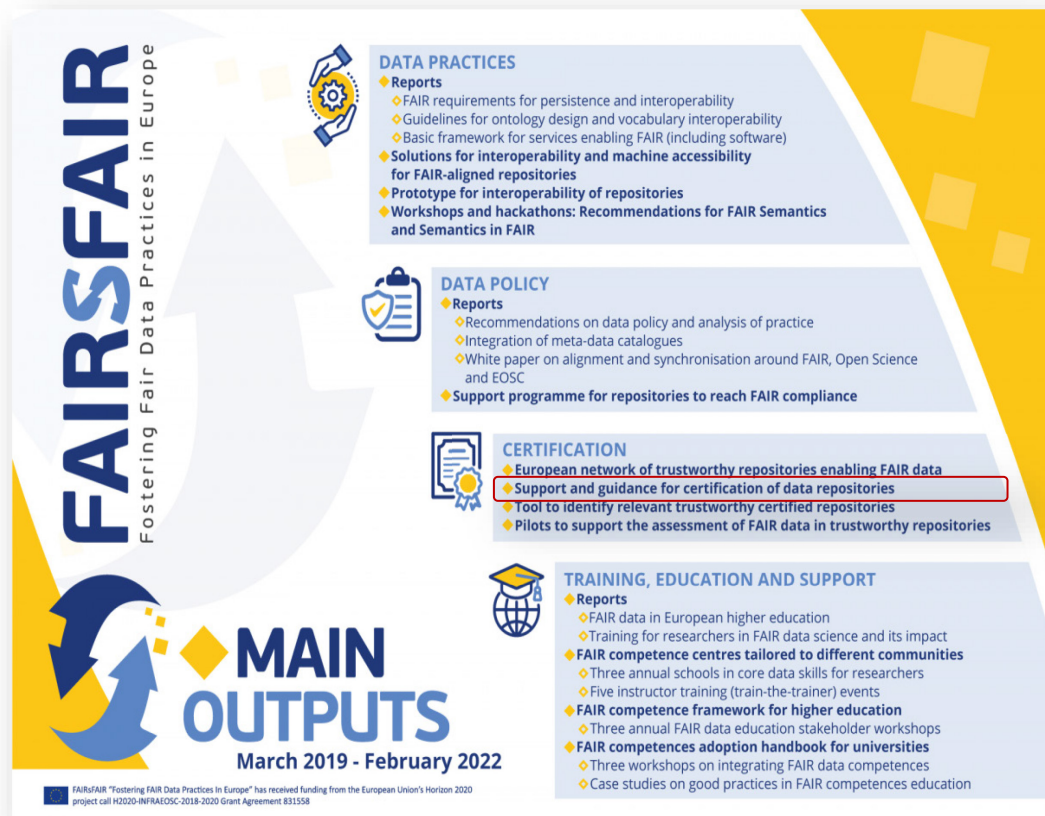
Snapshot

- CoreTrustSeal support
 - Trustworthy repository practices and FAIR data
 - CoreTrustSeal repository certification
- CoreTrustSeal and FAIR work
 - CoreTrustSeal certification process + FAIR
 - Ongoing work and next steps



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)



FAIRSFAR
Fostering Fair Data Practices in Europe

MAIN OUTPUTS
March 2019 - February 2022

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

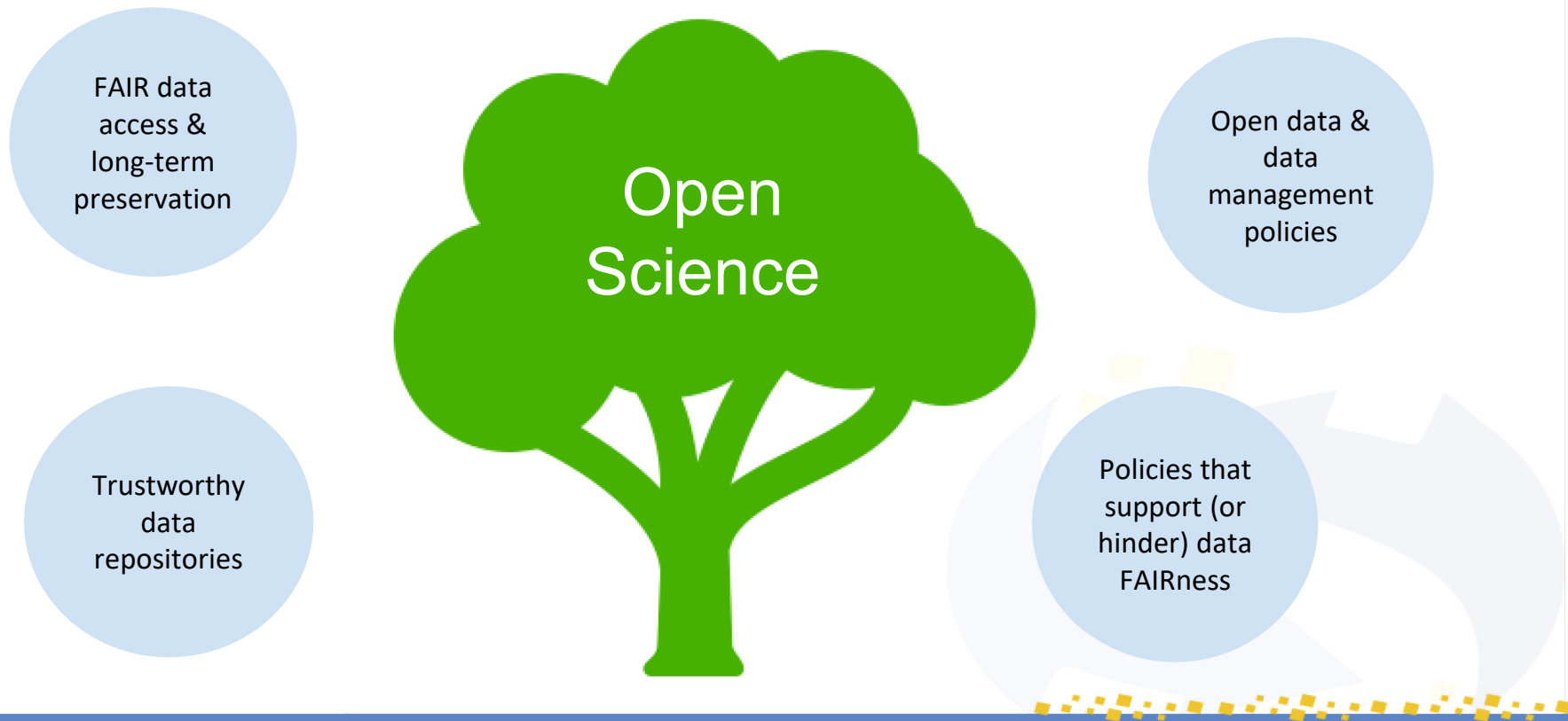
FAIRsFAIR "Fostering FAIR Data Practices in Europe" has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-2018-2020 Grant Agreement 831158

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

CoreTrustSeal support



Trustworthy repository practices and FAIR data



A journey towards becoming trustworthy and FAIR-enabling



Research data repositories

Support with CoreTrustSeal certification



Trustworthy repository practices and lessons learnt



CoreTrustSeal repository certification programme

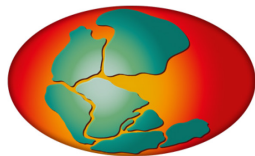
Our support team

Data Archiving and Networked Services

DANS

**UK • DATA
ARCHIVE**

INES



PANGAEA.

D | C | C



Who we work with



→ a country with a selected repository

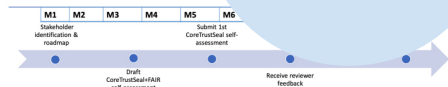
Repository support: services

Test reviews



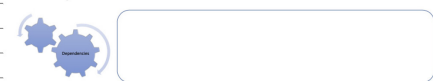
4 support workshops

Roadmap



- Activity/task 1: _____
- Activity/task 2: _____
- Activity/task 3: _____
- Activity/task 4: _____
- Activity/task 5: _____

Roadmap



Risk	Risk level



Practical tools



1:1 support and advice

Preservation Policy Planning - Worksheet

This exercise has been developed to support selected repositories in the FAIRFAIR repository support programme in getting ConTrustSeal certified. It is part of a variety of resources prepared by FAIRFAIR to support services and individuals in their FAIR data practices. Depending on your situation, it may take around 60 minutes to complete the exercise. The worksheet has been partially adapted from the Digital Preservation Coalition's (DPC) policy guide and the [Conceptualisation/ConTrustSeal writing guide](#). This worksheet is not endorsed by the ConTrustSeal Board and will not guarantee repository certification.

Objectives

- To identify the status of relevant policy commitments to have a preservation policy in place.
- To structure and plan the writing process of

Keep in mind that the construction of a preserva content, format and style of your policy accordin

Instructions

- To start, indicate the status of each policy cc (defined and forms part of an integrated ma the below mentioned components are relev some of the most challenging. You may also wish to)
- Identify the people within your organisation not need to share this information with us), an answer.

Component	Guiding question	Status	Comment/question	Expert	Responsible person for test writing	Duration	Deadline
1. Summary	Is the summary of your policy concise and easily digestible for the reader?						
2. Purpose (R0)	Why has the policy been developed and what does it aim to achieve?						
3. Organisational Strategy Alignment (R0)	How does the policy support the overarching purpose and objectives of your organisation?						
4. Mandate (R1)	What are the drivers for the policy and why do they necessitate digital preservation?						
5. Scope (R0)	What is the scope of the policy in terms of the organisational context and the digital content to be preserved?						
6. Policy Principles	What is the agreed framework and directions for how your organisation approaches digital preservation in a consistent way?						

Other relevant tools

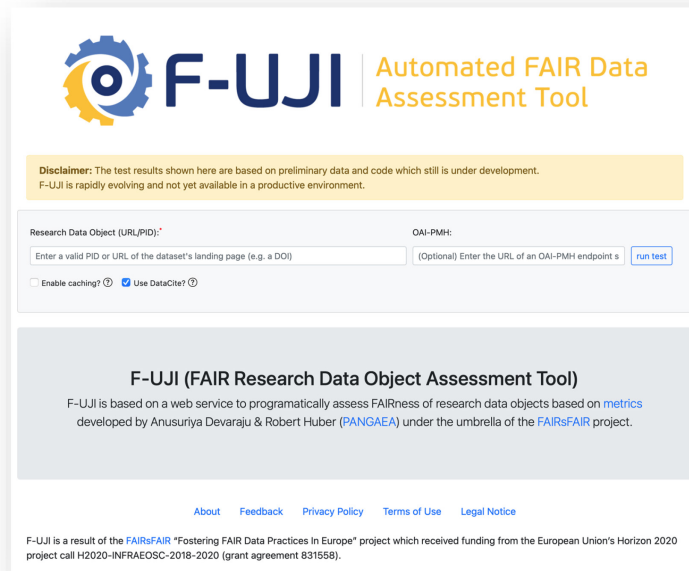
Data publication

Before



The screenshot shows the FAIRSFAR website with the 'FAIR-Aware' tool. The tool is described as an online tool developed by FAIR4EU that allows users to assess their data against FAIR principles. It features a 'FAIR questions' section with categories like FINDABLE, ACCESSIBLE, INTEROPERABLE, and REUSABLE. A pop-up window titled 'FAIR questions' is open, asking: 'Are you aware that a dataset should be assigned a globally unique and persistent identifier when deposited with a data repository?' and providing information about PIDs and DOIs.

After

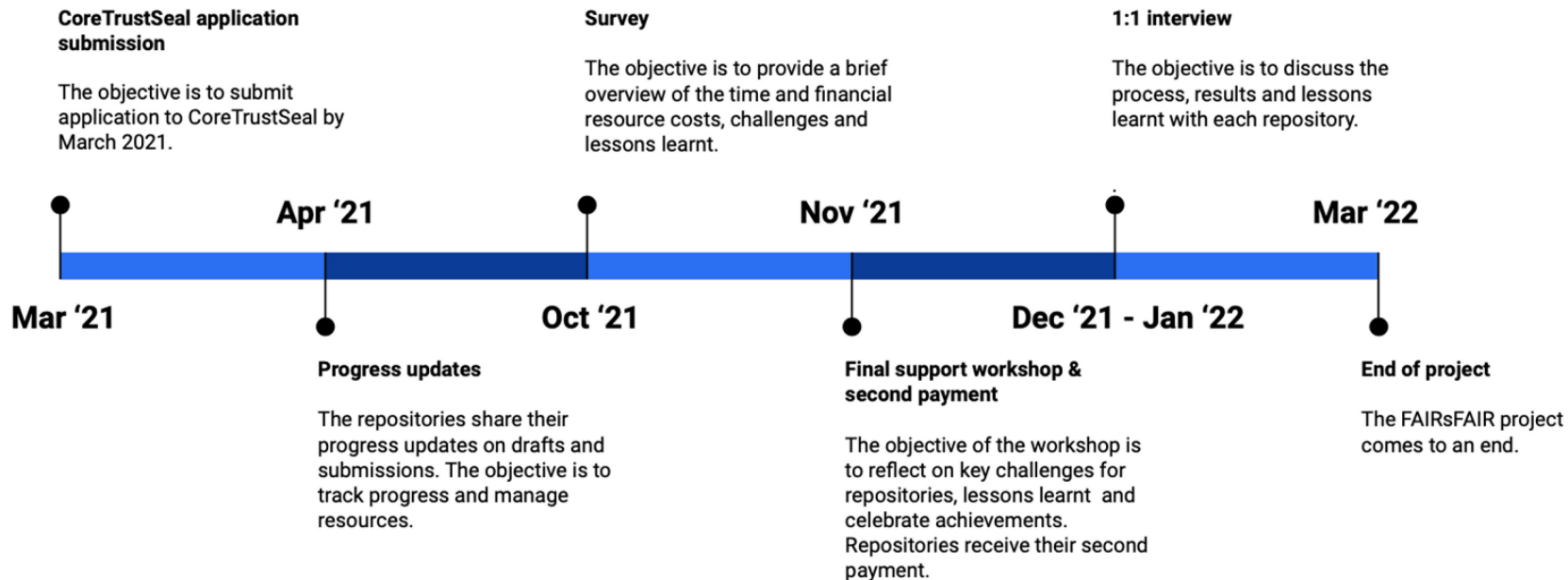


The screenshot shows the F-UJI Automated FAIR Data Assessment Tool interface. It features the F-UJI logo and the text 'Automated FAIR Data Assessment Tool'. A disclaimer states: 'Disclaimer: The test results shown here are based on preliminary data and code which still is under development. F-UJI is rapidly evolving and not yet available in a productive environment.' Below this, there is a form to enter a 'Research Data Object (URL/PID):' and an 'OAI-PMH:' endpoint. A 'run test' button is visible. The tool is described as 'F-UJI (FAIR Research Data Object Assessment Tool)' and is based on a web service to programmatically assess FAIRness of research data objects based on metrics developed by Anusuriya Devaraju & Robert Huber (PANGAEA) under the umbrella of the FAIRSFAR project. Navigation links for 'About', 'Feedback', 'Privacy Policy', 'Terms of Use', and 'Legal Notice' are provided at the bottom.

→ <https://fairware.dans.knaw.nl>

→ <https://www.f-ujj.net>

Certification support: next steps





Growing together

Global repository support initiatives, e.g.

- ‘Enabling FAIR Data CoreTrustSeal cohort’
- ARDC, Australia
- Portage Network, Canada

Share
experiences
and lessons
learned

Explore
collaboration

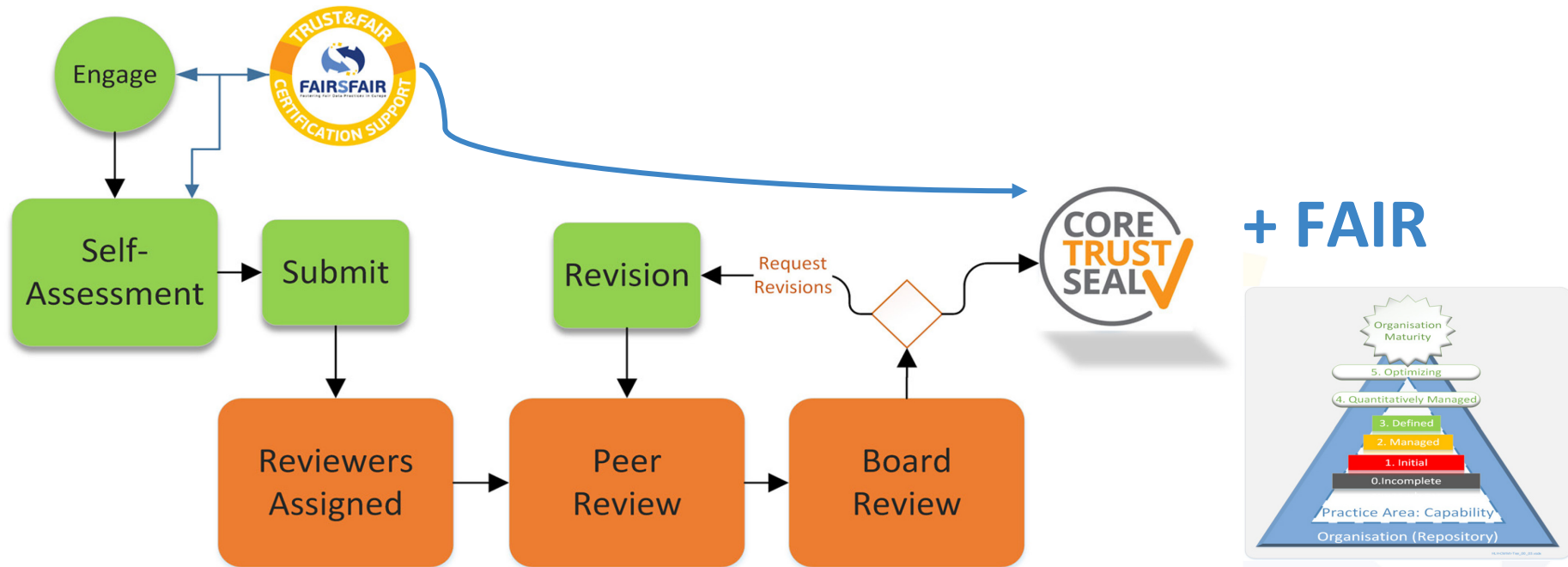
Trust
and
FAIR



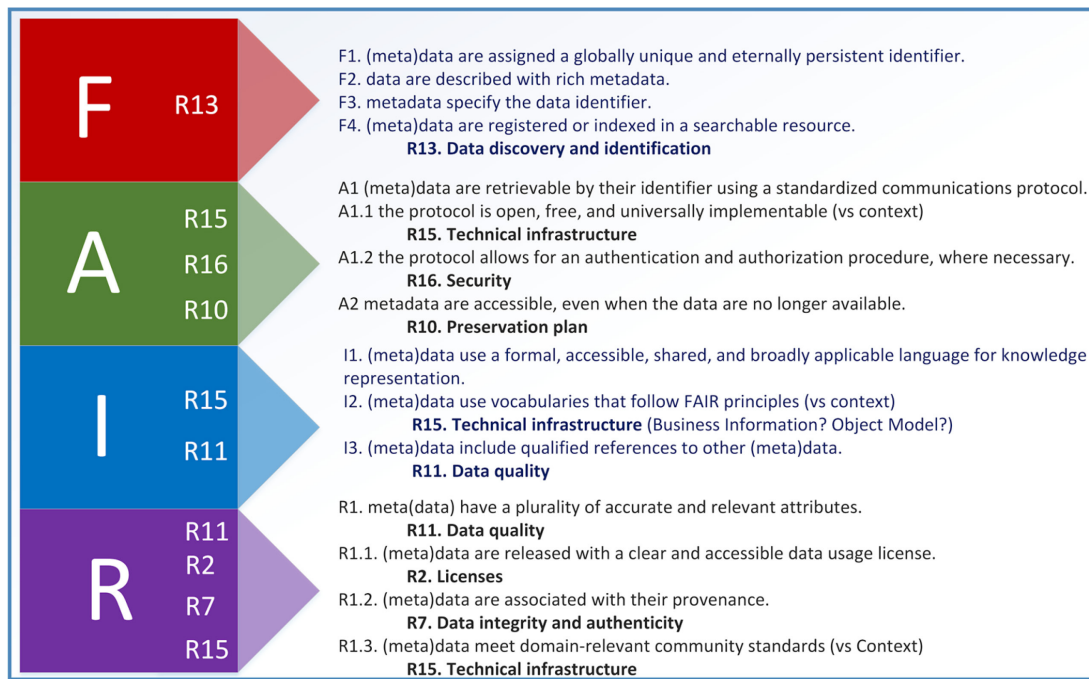
CoreTrustSeal and FAIR work



CoreTrustSeal+FAIR



Mapping CoreTrustSeal and FAIR

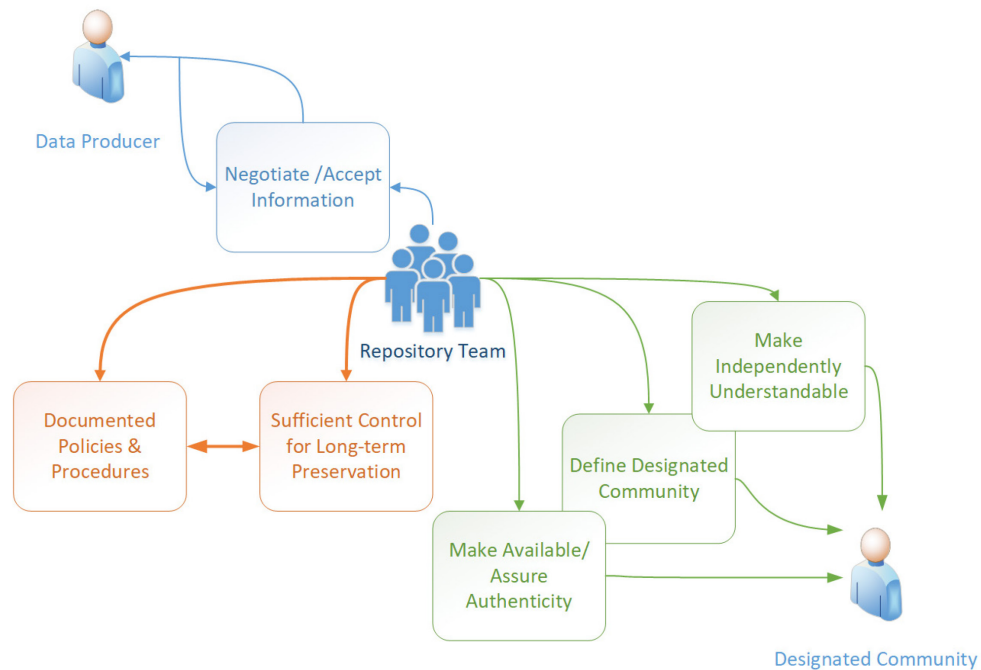


HLH-CoreTrustSeal-FAIR-Map_02_00v04r

New ideas: integration and elaboration



TDR: responsibilities



Ongoing work and next steps

Statement on
Capability-Maturity
(& Engagement)

Three tier Capability
levels for
CoreTrustSeal (draft)

M4.3 Iterations of
the maturity mode,
with change logs

Revised mapping
based on areas of
'focus' (draft)

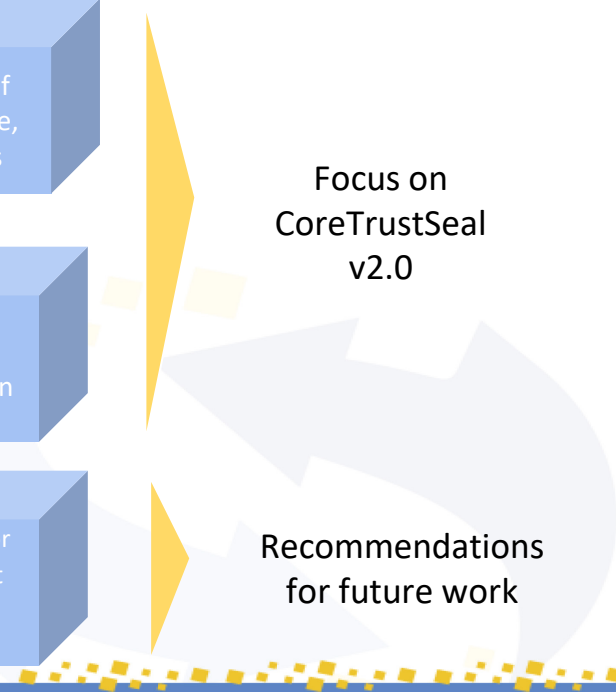
Consultation with
CoreTrustSeal to
align ongoing work
(summer)

D4.6 Report on a
maturity model
towards FAIR data in
FAIR repositories

Recommendations for
amendments to next
version of
CoreTrustSeal

Focus on
CoreTrustSeal
v2.0

Recommendations
for future work



Further information

Practical tools

- Ilona von Stein, Linas Cepinskas, Hervé L'Hours, Kevin Ashley, Tina Dohna, Patricia Herterich, ... Joy Davidson. (2021, February). Certification Support Workshop: Preservation Planning and Preservation Policy Planning Worksheet (Version 1). Zenodo. <http://doi.org/10.5281/zenodo.4541415>
- Herterich, Patricia. (2020, April 6). FAIRsFAIR support towards achieving CoreTrustSeal certification - roadmapping exercise. Zenodo. <http://doi.org/10.5281/zenodo.3741693>

Certification support programme

- FAIRsFAIR support programme for repositories <https://www.fairsfair.eu/application-results-open-call-data-repositories>
- Frans Huigen and Ilona von Stein (8 October 2020). How is FAIRsFAIR supporting the repositories selected for CoreTrustSeal Certification? <https://www.fairsfair.eu/articles-publications/how-fairsfair-supporting-repositories-selected-coretrustseal-certification>

(Draft) maturity model

- Hervé L'Hours, Ilona von Stein, Frans Huigen, Anusuriya Devaraju, Mustapha Mokrane, Joy Davidson, ... Robert Huber. (2020). M4.2 Draft Maturity Model Based on Extensions and-or Additions to CoreTrustSeal Requirements (Version 1.0). Zenodo. <https://zenodo.org/record/4003598#.YHWVmRQzbIE>

Thank you

For further questions:

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