

11 May Pillar 1: Concepts for FAIR implementation

Concepts for FAIR implementation
(Pillar 1)

Rec. 1: define FAIR for
implementation

D3.3 Policy enhancement recommendations

<https://zenodo.org/record/3686901>

D3.4 Recommendations for FAIR practice

<https://doi.org/10.5281/zenodo.3924132>

D3.5 Description of transition support for repositories

<https://doi.org/10.5281/zenodo.4058340>

D2.1, D2.4 & D2.10 reports on FAIR requirements for
persistence and interoperability,

<https://doi.org/10.5281/zenodo.3557381>

D2.3 Set of FAIR data repositories features,

<https://doi.org/10.5281/zenodo.3631527>

D2.7 Framework for assessing FAIR services

<https://doi.org/10.5281/zenodo.3688762>

M2.15, (Milestone) Assessment report on FAIRness of
research software <https://doi.org/10.5281/zenodo.4095092>

Updated (above). NEW:

**D2.4 2nd Report on FAIR requirements for persistence and
interoperability** <https://doi.org/10.5281/zenodo.4001631>

Rec. 2: Implement a model for
FAIR digital objects

Rec. 3: develop components of a
FAIR ecosystem

D3.3 Policy enhancement recommendations

<https://zenodo.org/record/3686901>

D3.4 Recommendations for FAIR practice

<https://doi.org/10.5281/zenodo.4095092> D3.5

Description of transition support for repositories

<https://doi.org/10.5281/zenodo.4058340>

D2.3 Set of FAIR data repositories features,

<https://doi.org/10.5281/zenodo.3631528>

D2.6 1st reference implementation of the data repositories
features <https://doi.org/10.5281/zenodo.4501202>

D2.9 Framework for assessing FAIR services, March 2022 Draft
recommendation for machine readable policies planned. Early
discussions with FAIRsharing and RDA groups but keen to
work with others who are working on this.

	<p>Rec. 16: Apply FAIR broadly</p> <p>Rec. 17: Align and harmonise FAIR and Open data policy</p>	<p>D3.3 Policy enhancement recommendations https://zenodo.org/record/3686901</p> <p>D3.3 Policy enhancement recommendations https://zenodo.org/record/3686901 ; Policy Support Programme 2021-2022</p>
19 May Pillar 2: FAIR culture		
	<p>Rec. 4: Develop interoperability frameworks</p> <p>Rec. 5: Ensure data management via DMPs</p> <p>Rec. 6: recognise & reward FAIR data & stewardship</p> <p>Rec. 18: Cost data management</p>	<p>D3.6 recommendations on integration of metadata catalogues https://doi.org/10.5281/zenodo.4134788 , D2.5 FAIR semantics recommendations (2nd set https://doi.org/10.5281/zenodo.4314321) & D2.8 (3rd set Jan 2022) Recommendations for FAIR Semantics https://doi.org/10.5281/zenodo.3707985 ; Implementation stories on Interoperability Frameworks Updated (above). NEW: D2.4 2nd Report on FAIR requirements for persistence and interoperability https://doi.org/10.5281/zenodo.4001631 D2.6 First reference implementation of the data repositories features (through FAIR Data Point) https://doi.org/10.5281/zenodo.4501202 D3.6 Proposal on integration of metadata catalogues to support cross-disciplinary FAIR uptake https://doi.org/10.5281/zenodo.4134788 plus pilot with ESFRI clusters</p> <p>D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901 and related Policy Support Programme; D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132 Updated</p> <p>D3.5 FAIR's Transition Support to Data Repositories https://doi.org/10.5281/zenodo.4058340 , D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901 , D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132 , Data Stewardship training WP6 Updated</p> <p>D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901 , D3.4</p>

	Rec. 19: Select and prioritise FAIR digital objects Rec. 20: Deposit in Trusted Digital Repositories	Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132 Updated D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132 Updated D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901 , D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132 , D3.5 FAIRsFAIR's Transition Support to Data Repositories https://doi.org/10.5281/zenodo.4058340 Practical support of ten repositories towards CoreTrustSeal certification 2019-2022 Updated (above). NEW:M4.7 and M4.8 integration of the Repository Finder into DataCite Commons to enable researchers to identify FAIR-enabling repositories: https://doi.org/10.5281/zenodo.4590298 Tool for researchers and data stewards to assess their knowledge of FAIR (outreach, Action 20.4): https://www.fairsfair.eu/fair-aware
	Rec. 21: Incentivise reuse of FAIR outputs	D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901
20 May Pillar 3: FAIR Ecosystem		
FAIR ecosystem (Pillar 3)	Rec. 7: support semantic technologies	D2.2 1st set of Recommendations for FAIR Semantics https://doi.org/10.5281/zenodo.3707985 , D2.5 2nd set of Recommendations for FAIR Semantics https://doi.org/10.5281/zenodo.4314321 and D2.8 3rd set (Jan 2022) of Recommendations for FAIR Semantics, D2.6 https://doi.org/10.5281/zenodo.4501202 First & D2.9 (Feb 2022) Second reference implementation of the data repositories features
	Rec. 8: Facilitate automated processing	D4.1 Draft recommendations on requirements for FAIR datasets in certified repositories: https://doi.org/10.5281/zenodo.3678716 D4.5 (Aug 2021) Report on FAIR data assessment toolset and badging scheme and D4.7 (March 2022) Tool for finding and selecting certified repositories for researchers and other stakeholders (Initial

	<p>Rec. 9: Certify FAIR services</p> <p>Rec. 22: Use information held in DMPs</p> <p>Rec. 23: Develop components to meet research needs</p> <p>Rec. 24: Incentivise research infrastructures to support FAIR data</p>	<p>release of the tool as part of DataCite Commons released by the end of 2021)</p> <p>D2.7 Framework for assessing FAIR services (Aug 2021),</p> <p>D4.2 Repository certification mechanism: a recommendation on the Extended Requirements and Procedures https://doi.org/10.5281/zenodo.3835698</p> <p>D4.3 Report on certification support and guidance for repositories and reviewers (Aug 2022), D4.6 Report on a maturity model towards FAIR data in FAIR repositories (Feb 2022)</p> <p>D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132</p> <p>D3.5 FAIRsFAIR's Transition Support to Data Repositories https://doi.org/10.5281/zenodo.4058340</p> <p>D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3686901 ,</p> <p>NEW:</p> <p>Tool for researchers and data stewards to assess their knowledge of FAIR: https://www.fairsfair.eu/fair-aware</p> <p>D3.4 Recommendations for FAIR practice https://doi.org/10.5281/zenodo.3924132</p> <p>D3.5 FAIRsFAIR's Transition Support to Data Repositories https://doi.org/10.5281/zenodo.4058340</p> <p>D4.4 Coordination plan for a sustainable network of FAIR Trusted Digital Repositories (Aug 2022)</p>
18 May Pillar 4: Skills for FAIR		
Skills for FAIR (Pillar 4)	Rec. 10: Professionalise data science & stewardship roles	<p>D6.2 Initial Core Competence Centre Structures https://doi.org/10.5281/zenodo.3732889</p> <p>D6.5 report on annual schools in core data skills (Feb 2022) . D6.6 Report on instructor. D3.4 Recommendations on practice to support FAIR data principles training events (Feb 2022), D6.7 report on additional franchised events (Aug 2020 & Feb 2022). Report on Data stewardship pilot event at https://doi.org/10.5281/zenodo.3609205 ; 2 data science annual schools held (one in person Aug 2019, virtual summer 2020) third virtual school summer 2021. Data stewards train-the-trainer events held and in planning in collaboration with</p>

Rec. 11: Implement curriculum frameworks and training

Higher Education Institutions. D3.4 Recommendations on practice to support FAIR data principles
<https://zenodo.org/record/3924132>
D7.1 FAIR in European Higher Education
<https://doi.org/10.5281/zenodo.3629683> and D7.2 Briefing on FAIR Competences and Synergies
<https://doi.org/10.5281/zenodo.4009007> **Updated**
D7.3 FAIR Competence Framework for Higher Education
<https://doi.org/10.5281/zenodo.4562089> D7.4 “FAIR Competences Adoption Handbook for Universities” (Dec 2021) D7.5 “Good Practices in FAIR Competence Training” (Dec 2021) A good practices report is in development and will be built in large part on three university workshops hosted by the University of Minho (held in May 2021), the University of Amsterdam (September 2021) and the University of Goettingen (October 2021). The report will analyse good practice examples coming from different European higher education institutions, drawing conclusions and recommendations for universities that aim to start or improve their own training activities related to RDM and FAIR. The report will complement the adoption handbook when both are published in December 2021. **Updated**

12 May Pillar 5: Incentives and metrics for FAIR data and services

Incentives and metrics for FAIR data and services (Pillar 5)

Rec. 12: Develop metrics for FAIR digital output

D4.1 Draft recommendations on requirements for FAIR datasets in certified repositories:
<https://doi.org/10.5281/zenodo.3678716> ;
D4.2 Repository certification mechanism: a recommendation on the Extended Requirements and Procedures
<https://doi.org/10.5281/zenodo.3835698>
F-UJI - An Automated FAIR Data Assessment Tool
<https://doi.org/10.5281/zenodo.4063720>
FAIR Assessment and Certification in the EOSC region
<https://doi.org/10.5281/zenodo.4486280> **[NEW]**
D4.5 (Aug 2021) Report on FAIR data assessment toolset and badging scheme, D4.3 (Aug 2021) Report on certification support and guidance for repositories and reviewers, D4.4 (Aug

		2021) Coordination plan for a sustainable network of FAIR-enabling Trusted Digital Repositories. Alignment of projects, activities, actors (people and repositories) and intensify and extend these relationships for a minimum of three years after the project, D4.6 (Feb 2022) Report on a maturity model towards FAIR data in FAIR-enabling repositories
Rec. 13: Develop metrics to certify FAIR services		M2.7 Assessment report on FAIRness of services https://doi.org/10.5281/zenodo.3688762
Rec. 25: Implement and monitor metrics		D2.7 Framework for assessing FAIR services (Aug 2021) M4.9 Report on FAIR data assessment mechanisms to develop pragmatic concepts for FAIRness evaluation at the dataset level. https://doi.org/10.5281/zenodo.4118405
Rec. 26: Support data citation and next generation metrics		[NEW] F-UJI - An Automated FAIR Data Assessment Tool https://doi.org/10.5281/zenodo.4063720 D4.5 (Aug 2021) Report on FAIR data assessment toolset and data badging scheme
21 May Pillar 6: Investment in FAIR		D3.4 Recommendations on practice to support FAIR data principles https://doi.org/10.5281/zenodo.3924132 (see recommendation A2 : Build a culture of data citation)Updated
Investment in FAIR (Pillar 6)		Yes
Rec. 14: Provide strategic and coordinated funding		The project enables indirectly strategic and coordinated funding with the following activities: D3.3 Policy enhancement recommendations https://doi.org/10.5281/zenodo.3558173 and D3.8 Changes in data policy and practice - an updated analysis (March 2022). D4.4 Coordination plan for a sustainable network of FAIR Trusted Digital Repositories (Sept 2021) and D1.6 Sustainability Plan (Feb 2022) [Some funding is available for repositories to undertake CoreTrustSeal certification].Also, activities in all WPs extensively build on existing work and standards i.e form the basis of Rec 14 to enable and support co-ordinated and strategic funding. Leveraging existing investments. Community approval is important in this context: WP5 and other work with stakeholders across WPs.
Rec. 15: provide sustainable funding		The project enables indirectly sustainable funding for FAIR data ecosystem components with the following activities: WP2 and 4 activities cover FAIR certification of data services including

Rec. 27: Open EOSC to all providers but ensure services are FAIR

repositories and FAIR data assessment in trustworthy data repositories. The requirements and assessments defined and tested in the project can inform funders to sustain a FAIR data ecosystem. Relevant deliverables: D2.7 Framework for assessing FAIR services (Aug 2021) D4.5 : Report on testbed of FAIR metrics and data assessment badging scheme (Aug 2021), D4.6 : Report on a maturity model towards FAIR data in FAIR repositories (Feb 2022)

FAIRsFAIR activities focus on how to ensure policy and services support FAIR data and that uptake and endorsement by the community is effective. WP activities related to FAIR practices, policy and certification inform the development of EOSC RoP.