

Deep Dive on Requirements Analysis, Specifications and the Registry for long-term access and preservation services

3rd EDEN Webinar
8 April 2026, 14:00-15:00

Grant agreement 101188015

Presented by:

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the European Union**



Presentation Outline

- EOSC EDEN - WP2 (Wilko)
- Methodology & timeline (Wesley)
- Information gathering - From Considerations to Specifications
- Current work and prioritization
- EDEN Registry - MVP (Wilko)
 - Components
 - Attributes and Profiles
 - Next steps
- Q&A



EOSC EDEN in a Nutshell

Project full title	Enhancing Digital preservation strategies at European and National level
Acronym	EOSC EDEN
Call identifier	HORIZON-INFRA-2024-EOSC-01
Type of action	HORIZON Research and Innovation Actions (RIA)
Coordinator	CSC - IT Center for Science (Finland)
Grant agreement	101188015

EOSC EDEN is an EU-funded project that aims to enhance digital preservation strategies at European and national levels. It will enrich the European Open Science Cloud (EOSC) with a framework and services to preserve and access digital data for long-term, improving the sustainability of digital preservation among the European scientific community.

EOSC EDEN Objectives


Objective 1: To establish a general framework and practices to support the creation of curation, long-term preservation, and access strategies in Europe

Objective 2: To enrich EOSC with tools to store and access digital data for long periods, automate and federate certain specialised curation and preservation tasks

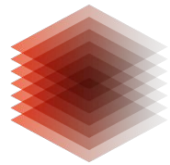
Objective 3: To increase adoption of curation, long-term preservation and access practices within different scientific disciplines

Objective 4: To boost the data curation and quality in Europe

Objective 5: To identify and consolidate a network of repositories and archives for long-term preservation within EOSC in collaboration with the HORIZON-INFRA-2024-EOSC-01-03 awarded project i.e. FIDELIS



EOSC EDEN Consortium



TIB LEIBNIZ INFORMATION CENTRE
FOR SCIENCE AND TECHNOLOGY
UNIVERSITY LIBRARY



Arkivum



Swiss Institute of
Bioinformatics

EOSC EDEN Work Package 2 - Overview

Title: Long-term Access and Preservation Services & Tools

WP lead: KNAW-DANS

Lead time: January 2025 – December 2027

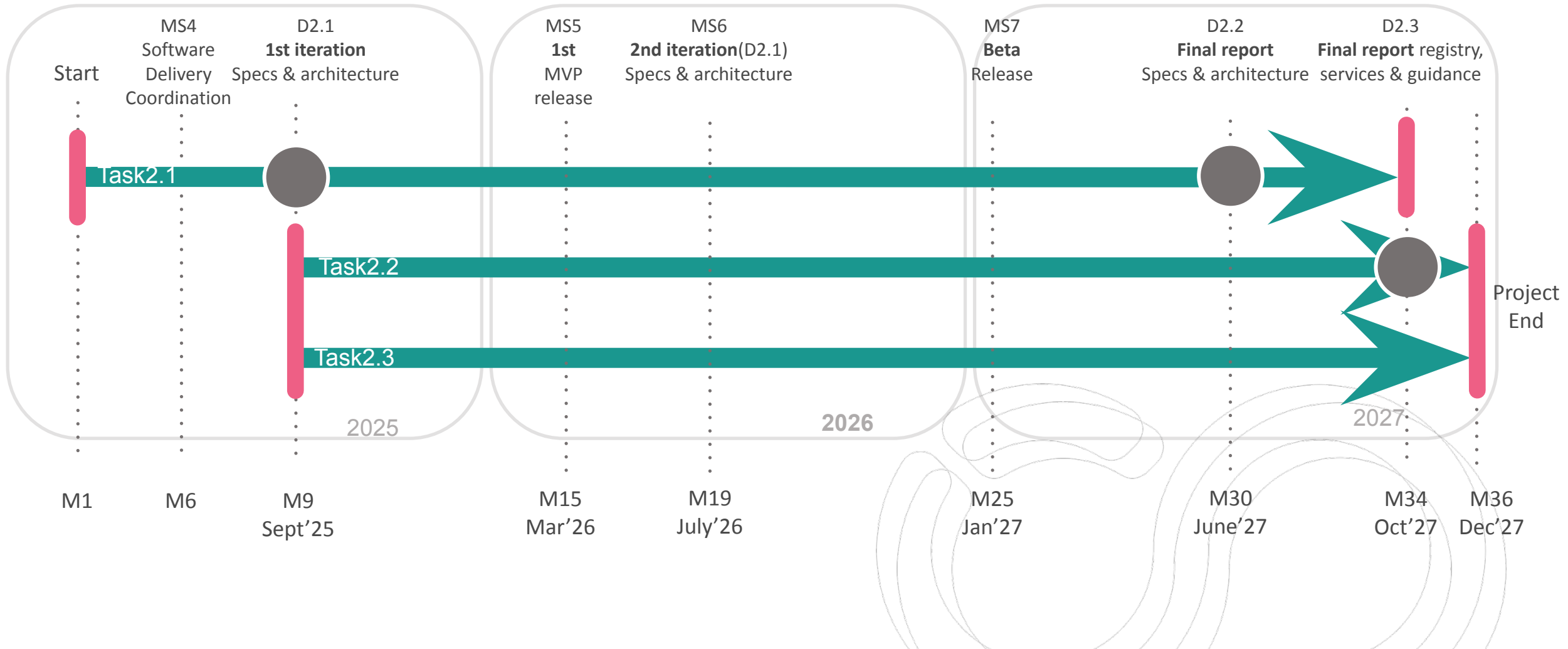
T2.1 Defining systems requirements and specifications	T2.2 Developing a registry and related selection guidance and automated curation and long-term preservation services	T2.3 Use-case implementation and integration into the EOSC EU Node
Task lead: CERN	Task lead: KNAW-DANS	Task lead: SURF
<ul style="list-style-type: none"> • CSC • TIB • KNAW-DANS • UiT • KU Leuven • SURF • UBREMEN • Arkivum • PMT 	<ul style="list-style-type: none"> • CSC • TIB • CERN • UiT • KU Leuven • SURF • UBREMEN • Arkivum • PMT 	<ul style="list-style-type: none"> • CSC • TIB • KNAW-DANS • UiT • KU Leuven • CERN • UBREMEN • Arkivum • PMT

WP2 - Objectives

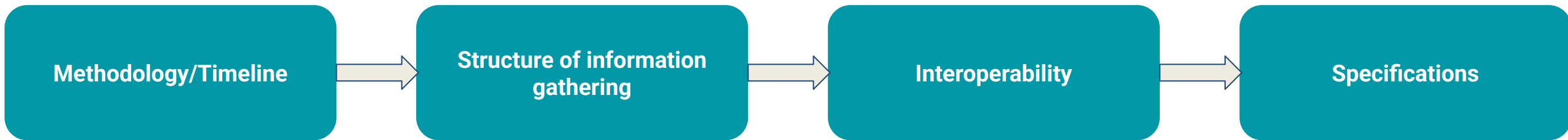
Long-term Access and Preservation Services & Tools

- **Systems Specifications:** From landscaping results and requirements (WP1 & FIDELIS)
 - Landscape analysis of existing practices for identification, selection & appraisal of data for long-term preservation
 - Requirements from user needs
- **Searchable EDEN Registry** of LTP services & tools and repositories searchable by their characteristics and features
- Publish **(OpenAPI) specifications** for curation and preservation actions
- Define **standards and protocols** to submit and exchange Information Packages

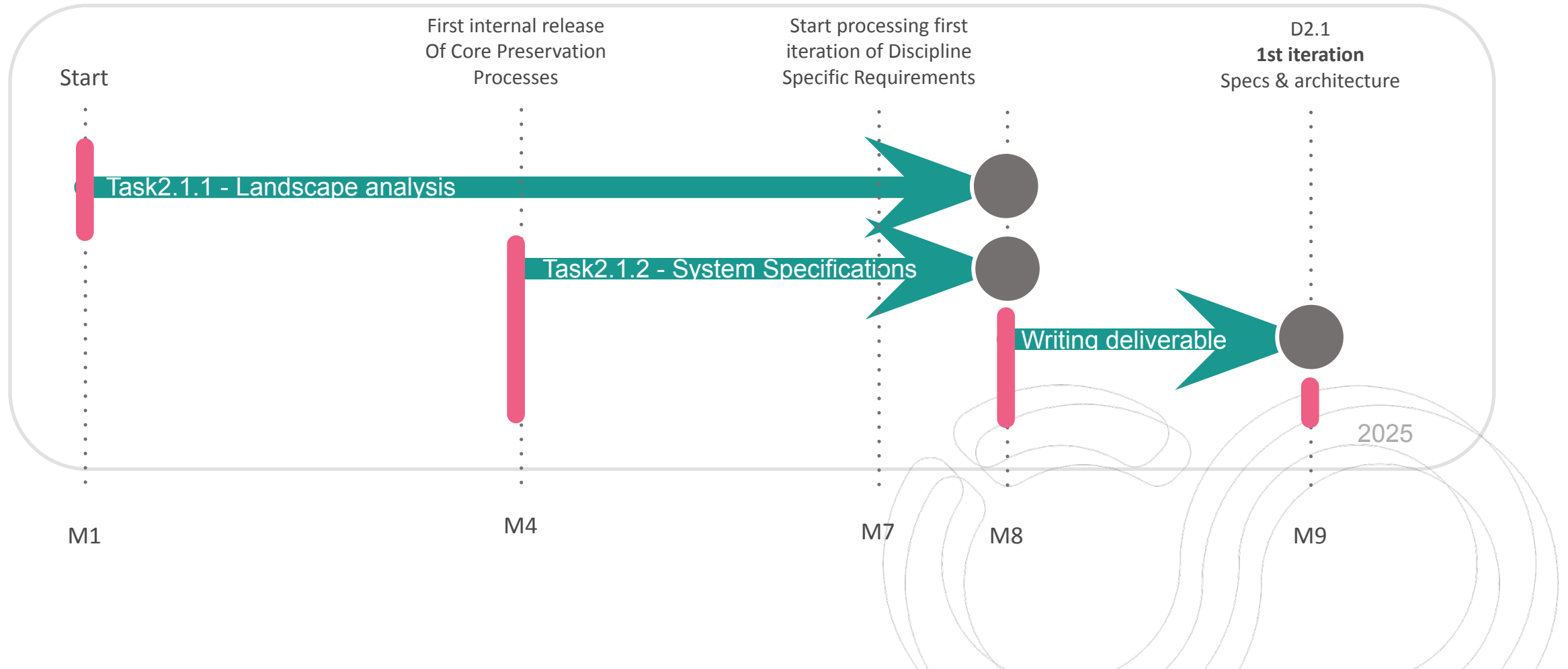
WP2 - Deliverables and Milestones



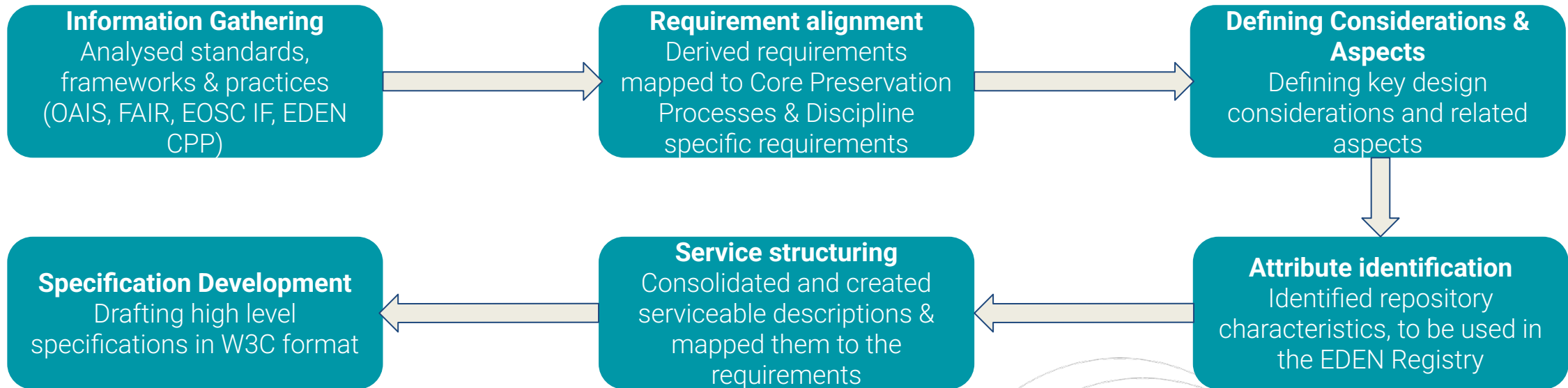
System requirements and specifications (Task 2.1)



Timeline of Task T2.1



Methodology - Six step approach



(1/2) Interoperability - Structure

- **Four layers of interoperability:** Re-use of the interoperability layers used in the EOSC Interoperability Framework
 - **Technical:** *Enables systems to exchange, validate and process digital objects without human intervention. Includes open standards, machine-actionable formats and trusted PIDs*
 - **Semantic:** *Ensures meaning of preserved data is interpreted consistently across systems*



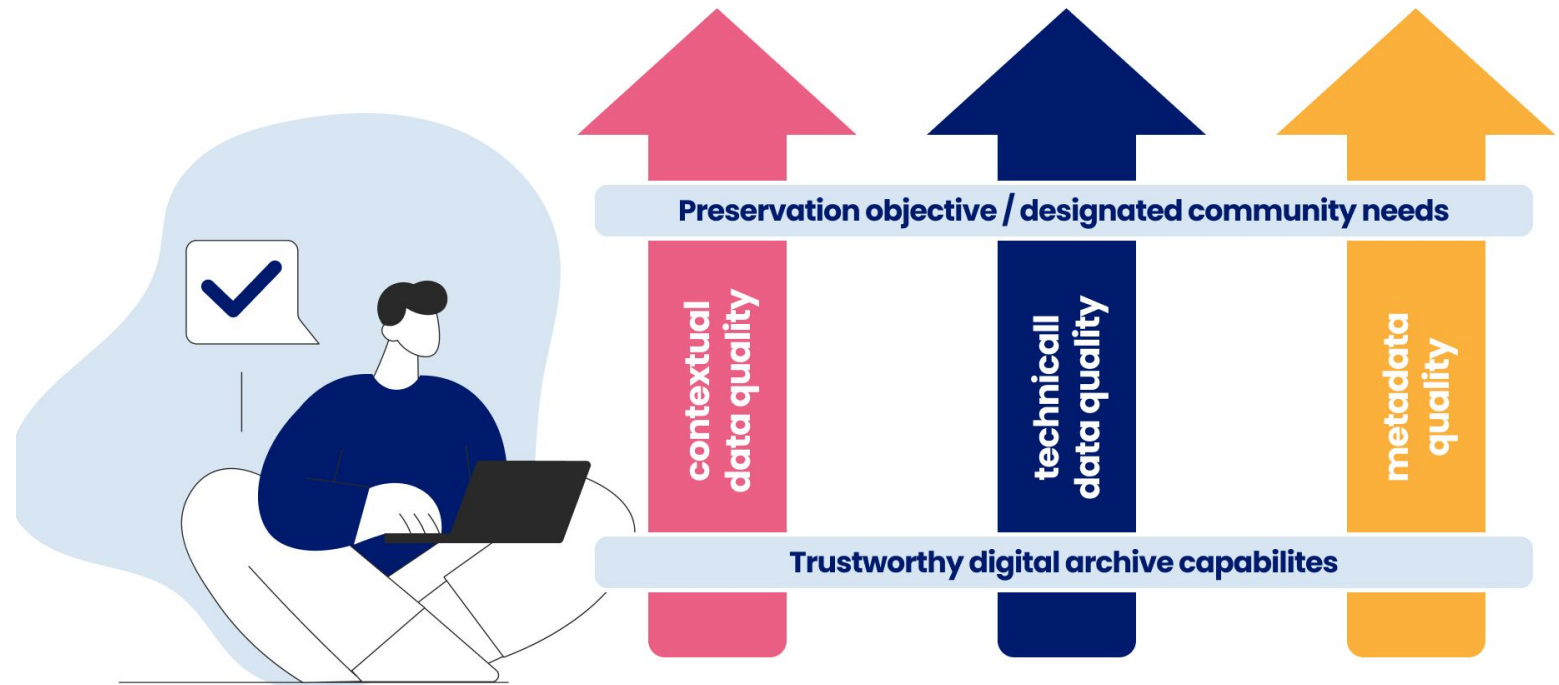
(2/2) Interoperability - Structure

- **Organizational:** *Aligning policies, responsibilities and workflows across organisations so that services and infrastructures can collaborate seamlessly*
- **Legal:** *Ensuring that access rights, restrictions, licenses associated with the data and services (such as copyright) are clearly expressed, legally compatible and machine-readable, so that digital objects can be reused and combined across borders and jurisdictions without legal issues.*



(1/2) Data Quality - Structure

- **Re-Use fitness framework:** To be inline with other work packages, it was decided to align with the Re-Use Fitness framework (RUfit)



(2/2) Data Quality - Structure

- **The three pillars:**

- **Contextual Data Quality:** *Addresses aspects of quality, that should be verified by curators on basis of best practices and standards, focusing on authenticity and integrity*
- **Metadata Quality:** *Addresses aspects of quality that support effective data discovery, access, interoperability and reuse in line with established standards and best practices such as the FAIR principles*
- **Technical Data Quality:** *Refers to properties of a research object that can be established and verified via automated or algorithmic methods.*

(1/2) Rights & Ethics - Structure

- **Aligned with Legal Interoperability and the expectations of FAIR, CARE and TRUST**
 - **Copyright & Law:** *Addressing legal and regulatory frameworks governing data, including privacy for example GDPR, international frameworks/agreements and data sovereignty and the balancing of Open Science and the protection of rights, for lawful and responsible use of research outputs.*
 - **Licensing & Digital Rights Management:** *Addressing clearly defined licenses, which are compatible and support reuse. Also including needs for standardized, machine-readable information of licenses and the ability to assess this information for compatibility across datasets and services*

(2/2) Rights & Ethics - Structure


- **Policy Considerations:** *Focuses on clear, transparent and standardised policies governing access, use and rights managements. Policies should be consistently defined and support both human and machine interpretation of conditions.*
- **Contract / Preservation agreement:** *Focusing on rights, responsibilities and conditions for preservation and access, between stakeholder ensuring long-term clarify and accountability.*
- **Ethics Considerations:** *Addressing ethical requirements such as protection of sensitive data and the need of ethics clearance. Ensures that data handling complies with ethical standards alongside legal obligations.*

(1/2) Interoperability - Design considerations

Example:

Inconsistent Service Workflows (Consideration)

Inconsistent or undefined service workflows across organisations hinder organizational interoperability by creating fragmentation in how services operate and interact. This is particularly evident in processes such as data deposit, onboarding, or metadata handling, which often vary between providers. The lack of clear terms, conditions, and acceptable use policies, combined with insufficient guidance in participation rules, results in misalignment of responsibilities and expectations across communities.



(2/2) Interoperability - Design considerations

Standardised Data Deposit Process (Aspect)

Whether the system supports a harmonised, community-aligned workflow for data publication and deposit. This includes ensuring that data providers follow agreed protocols for metadata generation, format selection, validation, and submission. The standardisation of deposit workflows fosters interoperability, simplifies reuse, and ensures consistent metadata quality across domains.

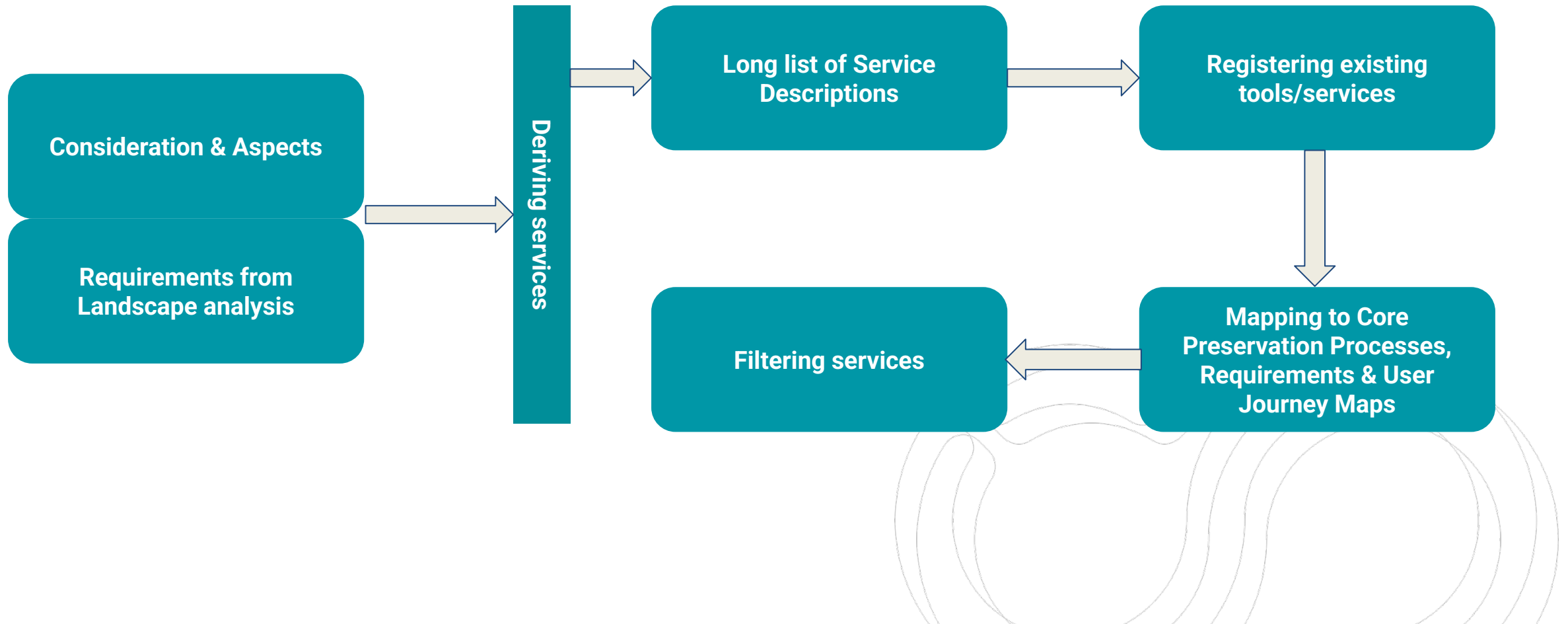


Interoperability - Attribute identification

- **Attribute** = Describes a characteristic of a repository or service
- Example:
 - **Documentation of applicable restrictions(Aspect)**: *Systems should publish documentation explaining the legal or ethical restrictions applied to datasets, ensuring transparency for end users and systems.*
 - **Justification for restriction(Attribute)**: *Metadata includes justification for the applied restriction*



(1/2) Interoperability - Service descriptions



(2/2) Interoperability - Service descriptions

Service	Description	Amount of mapped UJM services	Mentioned in UJM	CP P Map ped	Amount of partners interested	Amount of TRSP Linked Attributes	Related CPP	Related UJM
License Compatibility & Guidance Service	An EOSC-managed service that lists repository licenses, provides a machine-readable compatibility matrix, and offers interactive tools to help researchers select combinable licenses for aggregated or remixed datasets.	3	6	1	2	6	CPP-020 - Rights management	8-licensing framework, 13-license selector tool/service, 43-Licenses/embargos/limited access.

Screenshot from internal working spreadsheet



Specifications

- **5 Specifications are being written at the moment**
 - File Format Identification Service ([TRL4 published in GitHub](#))
 - Data Quality Checker Service
 - Policy Qualification Service
 - Module of the “License Compatability & Guidance Service”
 - SIP2AIP Factory



Call for help

Repository Guidance Service: A service to assist depositors, based on their context, to select the most appropriate repository.

Policy Classification Service: A service which parses and classifies policy documents based on their written content and transfers the raw policy text into a standards-compliant, structured documents.

Policy Type Vocabulary: A vocabulary containing a comprehensive selection of most frequently used policy type terms, e.g. defined as subclasses of dc:Policy, which can be used by the Policy Classification Service.

Questions

Are you a member of one of the EOSC EDEN consortium organizations?

- ☐ Yes, I am member of one of the EOSC EDEN consortium organizations
☐ No, I am not a member

Prioritization

	Service name	Reason for prioritization?
1		
2		
3		
4		
5		

Introduction

EOSC EDEN is an EU-funded project (grant agreement nr.101188015) that aims to enhance digital preservation strategies at European and national levels. It will enrich the European Open Science Cloud (EOSC) with a framework and services to preserve and access digital data for long-term, improving the sustainability of digital preservation among the European scientific community.

As part of this endeavour, the project will enhance existing services and develop new ones to automate certain preservation and curation actions. A shortlist of 29 potential services has been identified to address the needs of automated digital curation and digital long-term preservation. These proposed services respond to considerations and aspects and requirements that were identified based on the [Core-Preservation Processes](#) and the deliverables published by EOSC EDEN, while aligning with standards, such as OAIS, and FAIR principles.

Due to existing capacity and resource constraints, only five services can be developed and implemented during the project lifetime. A structured prioritisation process is therefore required to identify the services that provide the highest strategic value, strongest impact, and greatest benefit for the digital curation and digital preservation community.

This survey supports an evidence-based and transparent decision-making process.

Purpose of the Survey

The objectives of this survey are to:

- Assess the perceived importance and urgency of the proposed services



Please, help us by filling in the [survey](#) we prepared by scanning the QR code ->

EOSC EDEN Registry

A registry of long-term preservation services and tools coming from repositories and long-term archives, with support for end users to select resources appropriate to their context, by using filters and facets.

To implement a knowledge base with associated assessments, one needs a conceptual model description.

- EDEN Registry: [Conceptual Model](#)

High-Level Architecture and Design considerations:

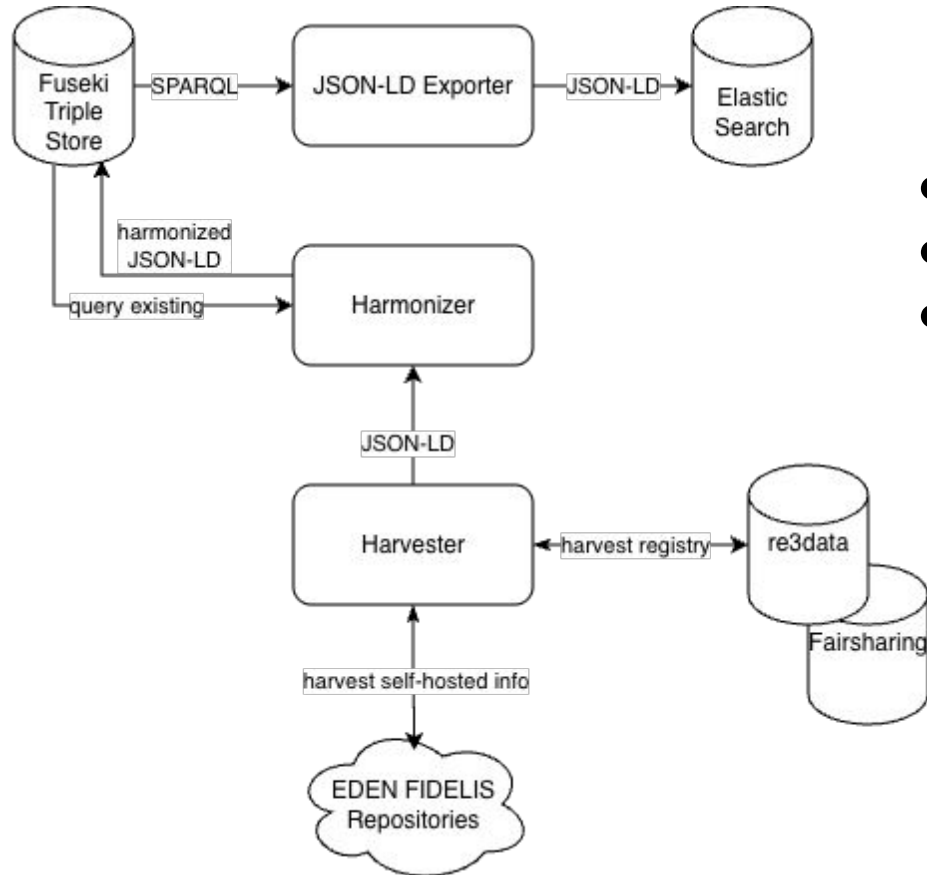
- EDEN Registry: [Requirements & Architecture](#)

Technical specifications of the registry:

- EDEN Registry: [Technical Specifications](#)



EDEN Registry MVP (March 2026): High Level Component Architecture



GitHub:

- <https://github.com/EOSC-EDEN/wp2-repo-harvester>
- <https://github.com/EOSC-EDEN/wp2-fuseki-to-elastic-exporter>
- <https://github.com/EOSC-EDEN/wp2-service-validator>



EDEN Repository Harvester

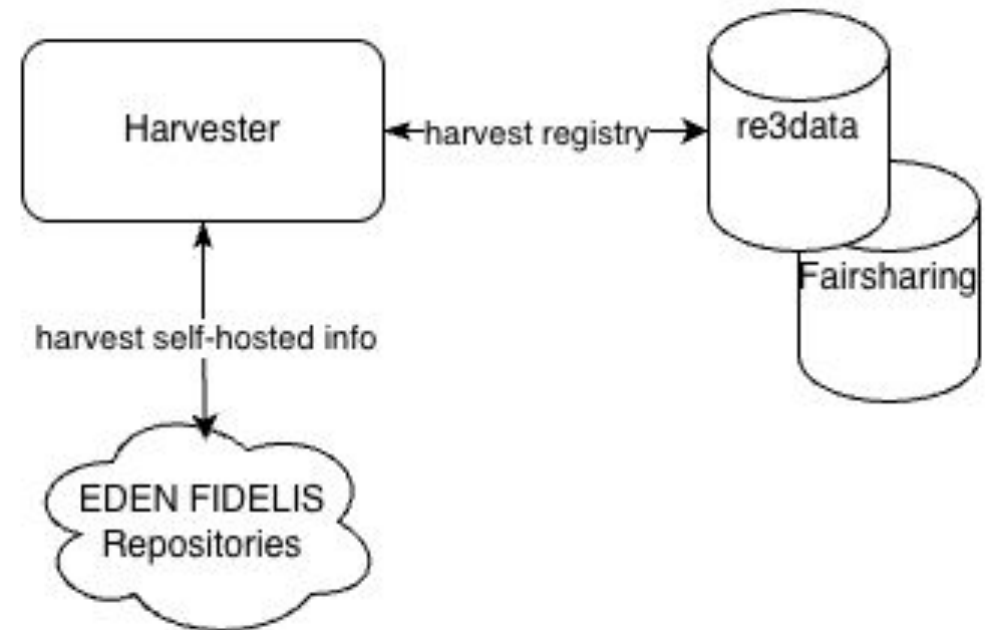
A harvester, or crawler, that collects repository properties/attributes

Self-Hosted Harvesting (landing page)

- Embedded & linked JSON-LD
- HTML <meta> tags
- RSS Feed
- Sitemaps
- Signposting
- FAIRiCat

Registry Harvesting (external)

- re3data API
- FAIRsharing API



EDEN Harmonizer

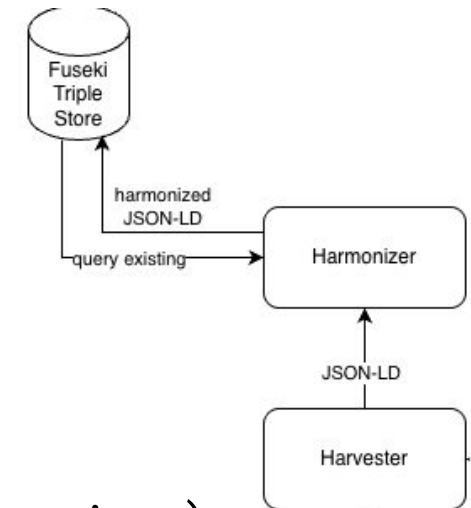
Main function: de-duplication and normalisation

Problem:

dct:title, dcat:name : PANGAEA, pangaea.de, Pangea

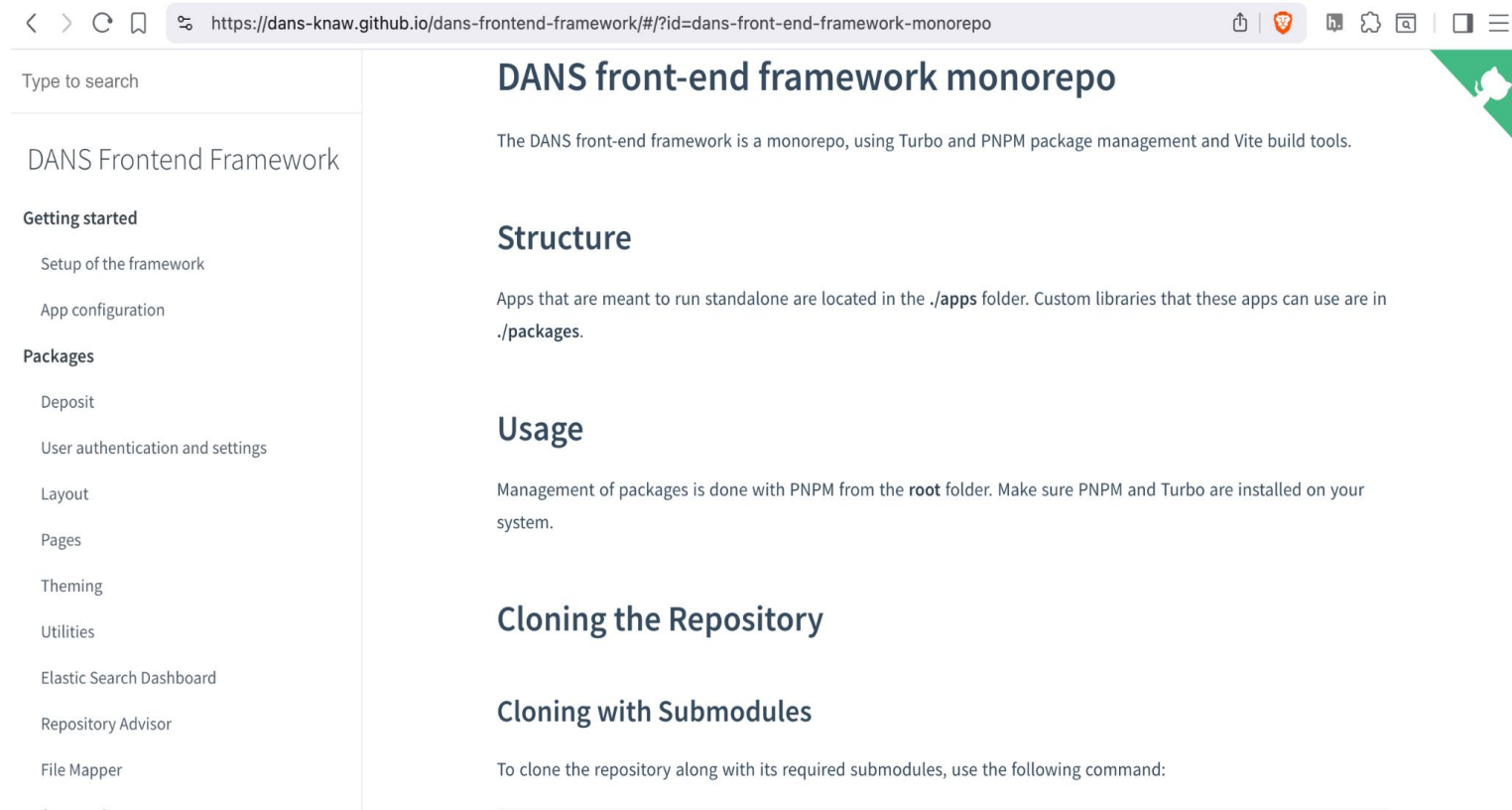
3 simple rules for determining properties precedence:

- Length of string content (priority based on length)
- Prioritisation of the source (Repo > re3data > FAIRsharing)
- “Frequencies” i.e. number count of mentions of a property

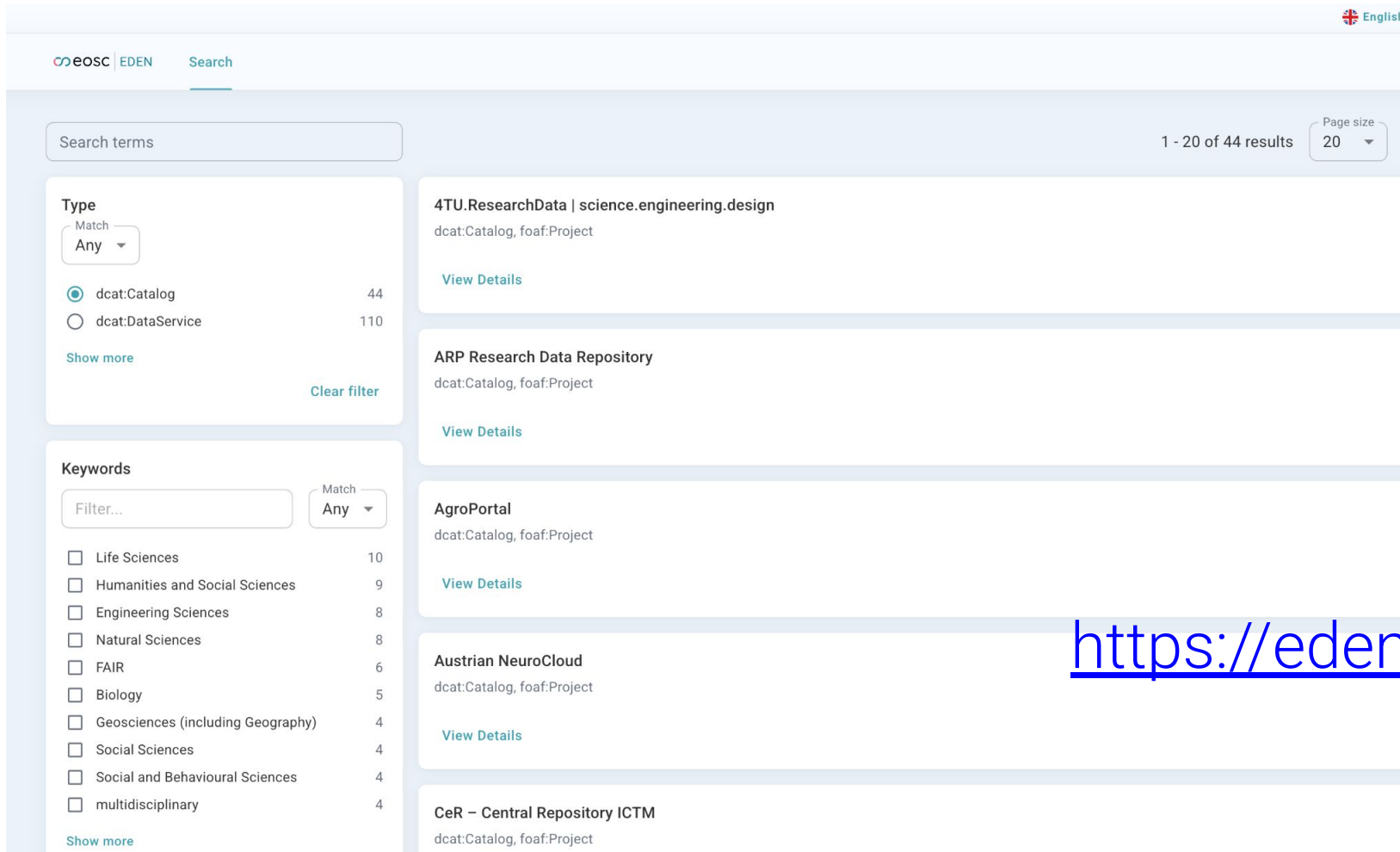


User Interface: DANS Frontend Framework (DFF)

- [Monorepo](#)
 - One repo, multiple projects:
 - RDA Knowledge Base
 - PID KB (CAT)
- [Documentation website](#)



EOSC EDEN Registry User Interface (MVP)



The screenshot displays the EOSC EDEN Registry User Interface (MVP). The interface features a search bar at the top with the text "Search terms". To the right of the search bar, it indicates "1 - 20 of 44 results" and a "Page size" dropdown set to "20".

On the left side, there are two filter sections:

- Type**: A dropdown menu set to "Any" with a "Match" label. Below it, two radio buttons are visible: "dcat:Catalog" (selected) with a count of 44, and "dcat:DataService" with a count of 110. A "Show more" link and a "Clear filter" button are also present.
- Keywords**: A "Filter..." input field with a "Match" dropdown set to "Any". Below this is a list of keywords with checkboxes and counts: Life Sciences (10), Humanities and Social Sciences (9), Engineering Sciences (8), Natural Sciences (8), FAIR (6), Biology (5), Geosciences (including Geography) (4), Social Sciences (4), Social and Behavioural Sciences (4), and multidisciplinary (4). A "Show more" link is at the bottom.

The main content area displays a list of results, each with a title, a description, and a "View Details" link:

- 4TU.ResearchData | science.engineering.design**
dcat:Catalog, foaf:Project
[View Details](#)
- ARP Research Data Repository**
dcat:Catalog, foaf:Project
[View Details](#)
- AgroPortal**
dcat:Catalog, foaf:Project
[View Details](#)
- Austrian NeuroCloud**
dcat:Catalog, foaf:Project
[View Details](#)
- CeR – Central Repository ICTM**
dcat:Catalog, foaf:Project

<https://eden.labs.dansdemo.nl>

Detailed View: Repository

Download/ Export

Repository Name	Certification Status FIDELIS Network FAIR
Identifier: EDEN Repository URI/ Compact Identifier	
Related Identifiers: re3data FAIRsharing COAR FIDELIS	
Institution(s) Other Repositories associated with the same institutions	
Body (Full) - includes name, year of first operation, keywords, full description, ...	
Dashboard Section Licences Metadata Schema PIDs Topic Coverage Spatial Coverage	
Citation and QR Code	
Services Offered (Clickable)	Services Used (Clickable)
Properties (in sortable order/ filterable - alphabetically, or by EDEN Category)	
References, Guidance and Annotations (if applicable):	

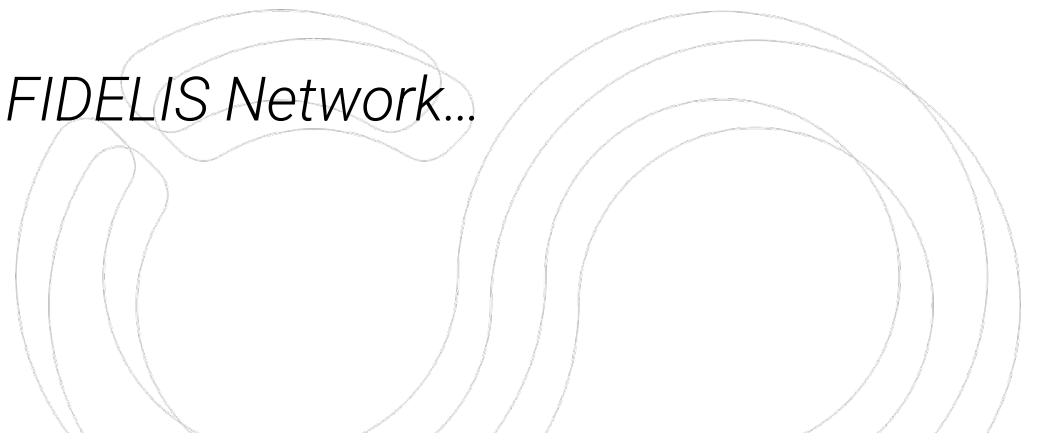
Export Repository metadata as a JSON or JSON-LD view, using DCAT or schema.org as a basis for encoding

This information is retrieved from the underlying knowledge base via an API call using the EDEN Repository URI as a parameter, and not from the Elastic Catalogue.

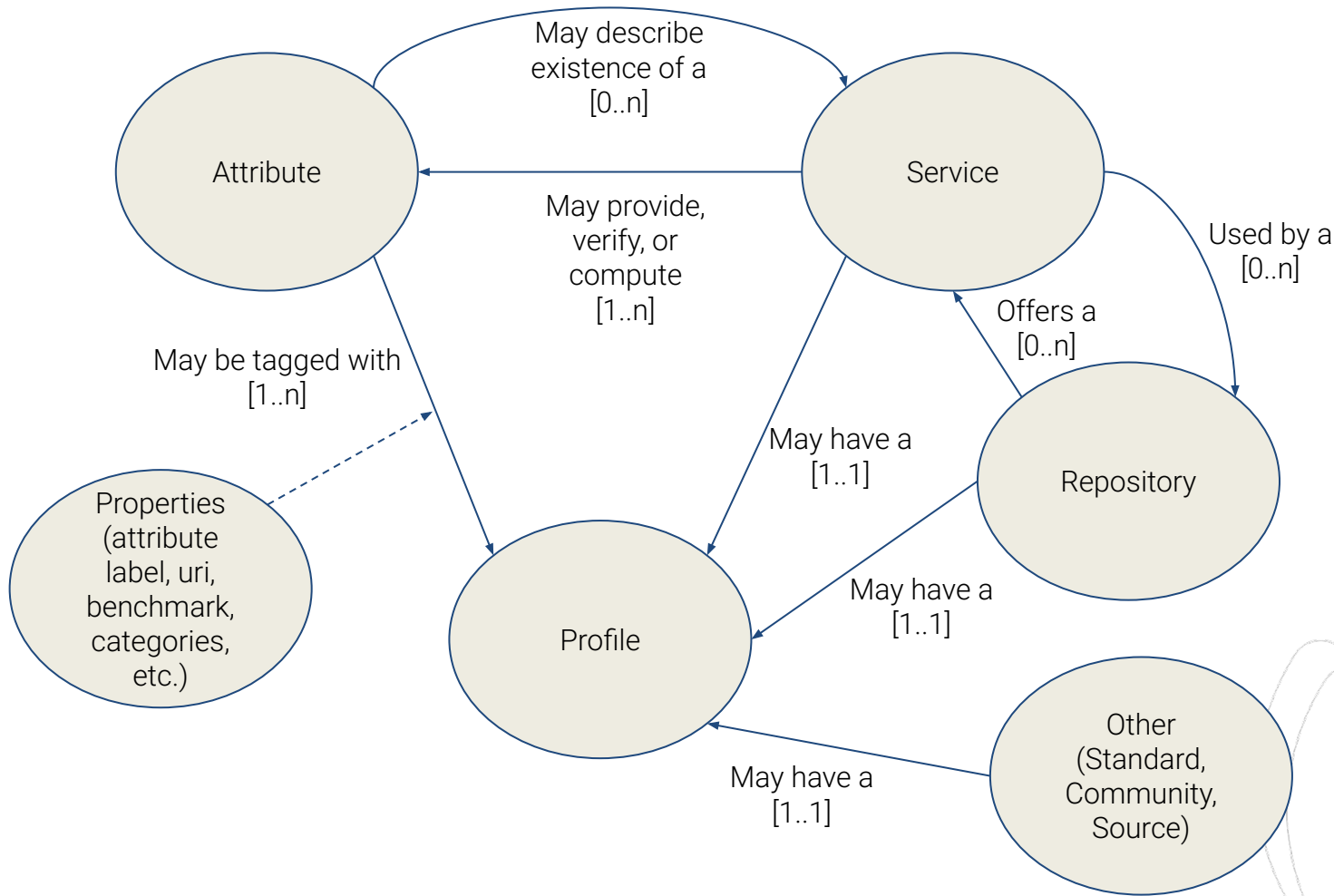
The page is available stand-alone and serves as a target for the resolution of the EDEN Repository URI.

(1/2) EDEN KB (WIP)

- An **Attribute** captures the definition of a characteristic, an action, or a function of a repository (archive) or service. Examples:
 - *A harvesting protocol supported by a repository*
 - *The name of a service*
- A **Profile** is a node that may be used to tag attributes to signify inclusion in a collection.
- A **Repository or a Service** may have profiles. But other entities can also have a profile. Examples:
 - *Source profile: TRSP WG, ...*
 - *Community profile: CTS, OpenAIRE, re3data, FIDELIS Network...*
 - *Repository profile: Dataverse.nl, Pangaea, ...*
 - *Standard profile: schema.org, ...*
 - *Service profile: OAI-PMH, DataCite DOI, ...*



(2/2) EDEN KB (WIP)

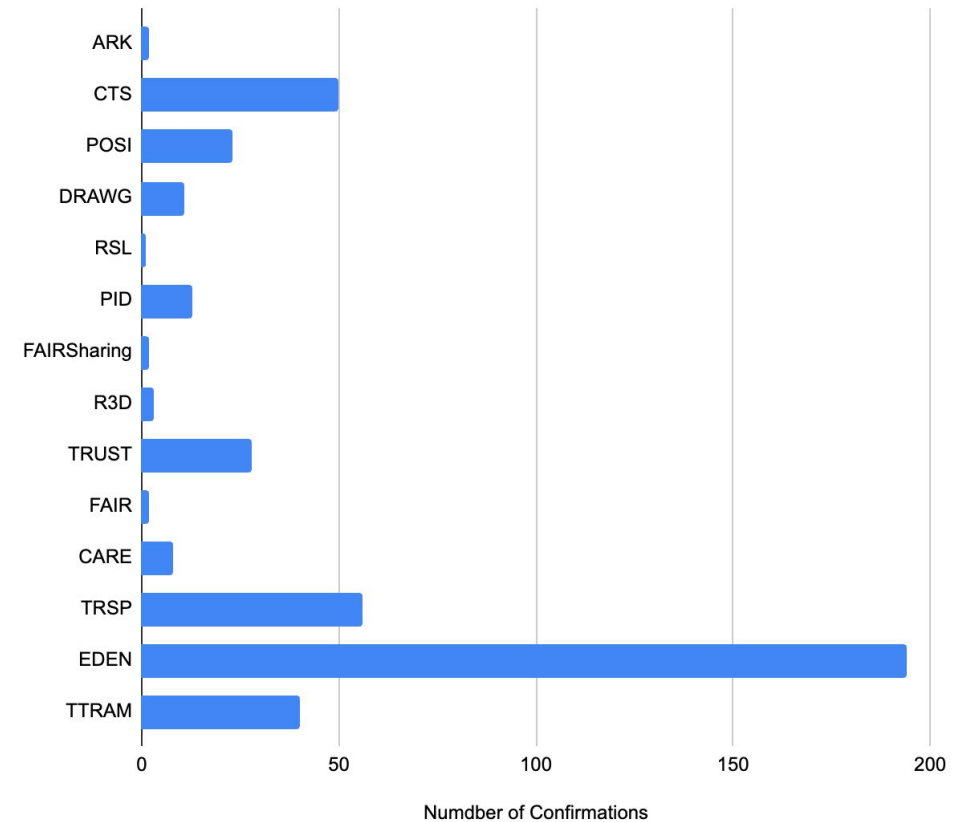


- A **service** offered by a repository can be described in an attribute. Examples:
 - *Repo supports OAI-PMH, and supports CS/W*
 - *Repo offers File Verification Service*
- The **properties** of the relation between an attribute and a profile, allows a profile to define its own attribute label and URI and to define a benchmark

Repository Attributes (± 375)

ProfileAttributeIRI	ProfileAttributeLabel
eden.att:00017A	Linked Peer-Reviewed Publication
eden.att:000111	Machine-Actionable File Format Templates
eden.att:000149	Machine-actionable licences used
eden.att:0000B3	Machine-Readable Access and Usage Conditions
eden.att:0000C5	Machine-readable access policies
eden.att:000004	Machine-readable API documentation available
eden.att:0000B0	Machine-readable license format
eden.att:00006B	Machine-readable representation of terms
eden.att:0000CE	maDMP Availability and Linking
eden.att:000001	Makes use of API standards
eden.att:00007A	Makes use of URIs to reference terms
eden.att:0001A4	Malicious content check
eden.att:000165	Metadata and PID Change Logging
eden.att:0000E3	Metadata available
eden.att:000161	Metadata can be retrieved via machine-accessible services or A
eden.att:0001C5	Metadata contains explanation
eden.att:00016B	Metadata Crosswalk Support Publication
eden.att:0001BE	Metadata field vocabulary usage
eden.att:000182	Metadata Language Tagging
eden.att:00002C	Metadata levels
eden.att:000061	Metadata localisation
eden.att:000077	Metadata file format

Attribute Identification Sources



Profiles

1	URI	Label	Description	Description_	ProfileType
2	profile.644301C176	COAR	COAR	Next Generation Repositories.	Source
3	profile.661B6E0023	re3data.org	re3data.org	Strecker; D.; Axtmann; A.; Bertelmann; R.; Cousijn; H.; Elger; K.; Ferguson; L. M.; Fichtmülle	Source
4	profile.09D755CCE9	FAIRsharing	FA	https://fairsharing.gitbook.io/fairsharing/additional-inform	Source
5	profile.757212C93C	COAR	CC	positories. (2022). COAR Community Framework for Good	Source
6	profile.1081174E05	TRUST	TR	The TRUST Principles for digital repositories. Sci Data 7; 14	Community
7	profile.68F0A22CB5	DRAWG	DRAWG	Witt; M.; Cannon; M.; Lister; A.; Segundo; W.; Shearer; K.; Yamaji; K.; & Research Data Allia	Source
8	profile.3FE210C50F	CTM	CTM	Sansone; S.-A.; McQuilton; P.; Cousijn; H.; Cannon; M.; Chan; W. M.; Callaghan; S.; Carneval	Community
9	profile.697647043E	CTS	CTS	CoreTrustSeal Standards and Certification Board. (2022). CoreTrustSeal Requirements 2023	Community
10	profile.6EBCF639D3	EOSC PID	EOSC PID	European Commission; Directorate-General for Research and Innovation; Hellström; M.; He	Community
11	profile.635C7081B0	POSI	POSI	Bilder G; Lin J; Neylon C (2020); The Principles of Open Scholarly Infrastructure; retrieved O	Community
12	profile.6AE564BF52	CARE	CARE	Carroll; S.R.; Garba; I.; Figueroa-Rodríguez; O.L.; Holbrook; J.; Lovett; R.; Materechera; S.; P	Community
13	profile.47A2ACE9A8	NDSA	NDSA	Levels of Digital Preservation.	Source
14	profile.74820191F5	DPC RAM	DPC RAM	Digital Preservation Coalition (2024). Digital Preservation Coalition Rapid Assessment Mode	Community
15	profile.1E05B8E77F	DPC CRPS	DPC CRPS	Digital Preservation Coalition (2022). Core requirements for a digital preservation system. f	Community
16	profile.4AFF1332EF	GORC	GORC	Woodford; C.; Treloar; A.; Leggott; M.; Payne; K.; Jones; S.; Lopez Albacete; J.; Madalli; D.; G	Source
17	profile.6B38C46111	CESSDA	CESSDA	CESSDA; CESSDA Trust and Landscape Report 2024	Source
18	profile.2B58B8DBB59	RISK	RISK	Frank; R.D. (2024); "Constructing risk in trustworthy digital repositories"; Journal of Docum	Source
19	profile.76BC362CF1	TRUST WG	TRUST WG	RDA/WDS Trust Principles Outreach and Adoption WG	Source
20	profile.25E02CC352	ELIXIR	ELIXIR	Durinx C; McEntyre J; Appel R et al. Identifying ELIXIR Core Data Resources [version 2; peer	Community
21	profile.2BBC8312C3	ERC-HE	ERC-HE	OAPEN; 2024. ERC Open Access requirements for FP7; Horizon 2020 and Horizon Europe gr	Community
22	profile.546FD5B0D8	GREI	GREI	Sonia; Lisa; & Helena. (2023). Generalist Repository Ecosystem Initiative Introductory Broch	Source
23	profile.719B779075	ISO	ISO	International Organization for Standardization. Audit and certification of trustworthy digital	Community
24	profile.0C1A1A6FE2	STATUS	STATUS	Donaldson DR. Certification information on trustworthy digital repository websites: A conte	Source
25	profile.43E99F8D75	SDSBB	SDSBB	Noardo; Francesca; Rob Atkinson; Lucy Bastin; Joan Maso; Ingo Simonis; Alejandro Villar; M	Community
26	profile.700C58D59C	Gen Repo IG	Gen Repo IG	RDA IG on generalist repository landscape (in planning) - RDA P23 BoF	Source
27	profile.4841BDEC9E	DINI	DINI	DINI AG Elektronisches Publizieren (E-Pub) (2023). DINI Certificate for Open Access Publicat	Community
28	profile.370B8EC563	TRAC	TRAC	(Page not found)	Community
29	profile.114F0465C3	nestor	nestor	nestor criteria : Catalogue of Criteria for Trusted Digital Repositories; Version 2; 2009; Frank	Community
30	profile.1EE89F448D	TRSP	TRSP	The Trusted Repository Service Provider (TRSP) Research Data Alliance (RDA) Working Grou	Standard
31	profile.61E7538E10	EDEN	EDEN	The EOSC EDEN project seeks to understand the current digital preservation landscape; ide	Community
32	profile.6C825F4502	CPP	CPP	Molloy; L.; Lindlar; M.; Benauer; M.; Andreassen; H. N.; Presser; K.; & Anu; M. (2025). EOSC	Community
33	profile.3C2D6C1C37	FIDELIS	FIDELIS	The FIDELIS project will establish and consolidate a European network of FAIR-enabling trus	Community
34	profile.668467EC38	TTRAM	TTRAM	The Transparent Trustworthy Repository Attributes Matrix (TTRAM) is derived from a review	Community
35	profile.03C39F30F2	RDA/ WDS IG	RDA/ WDS IG	RDA/WDS Certification of Digital Repositories IG	Source
36	profile.02C745403B	JISC DPS	JISC DPS	JISC Digital preservation systems dynamic purchasing system (DPS) 2024. Similar to DPC co	Source
37	profile.745403B02C	schema.org	schema.org		Source
38	profile.03B02C7454	DCAT-AP	DCAT-AP		Community
39	profile.4DD6232782	OPENAIRE	OPENAIRE	Hugo; W.; & Manghi; P. (2025). Case Study: Principles for high-quality data sources in Open	Community

Currently **39 profiles** identified in EDEN knowledge base.

A profile is composed of a subset of attributes, that can be benchmarked.



TRSP Profile with linked attributes

	A	B	C	D	E	F	G	H	I	J
1	ProfileIRI	ProfileName	#	ProfileClass	ProfileAttributeIRI	ProfileAttributeLabel	AttributeCategory	AggregationType	Benchmark	BenchmarkType
2	profile.1EE89F448D	TRSP	137	Standard	att.3E85A87190	User-focused Access	Responsibility Typical Value-added Services Community	None	Brokering Crosswalks Mediation	Checklist
3	profile.1EE89F448D	TRSP	138	Standard	att.0C3FB3218D	Usage Metrics	Responsibility Typical Value-added Services Metrics U	None	Citations Page Views Download	Checklist
4	profile.1EE89F448D	TRSP	59	Standard	att.22D6F28F7C	Sensitive Data Protection Measures in Place	Responsibility Stewardship Confidentiality and Ethics	None	Policy Licence Monitoring	Checklist
5	profile.1EE89F448D	TRSP	148	Standard	att.0F78D12691	Inventory of Considerations	Transparency Benefits and Constraints Legal and Regul	None	Terms of Use Privacy Statement	Checklist
6	profile.1EE89F448D	TRSP	172	Standard	att.34D1282F11	Spatial Coverage	Transparency Benefits and Constraints Context Covera	None	Feature OR Vocabulary: Country	Feature, Vocabulary
7	profile.1EE89F448D	TRSP	1	Standard	att.7C68DBB456	Governance Description	Sustainability Social Sustainability Governance Goverr	None	Evidence URL	Evidence
8	profile.1EE89F448D	TRSP	2	Standard	att.247C3C5849	Stakeholder Representation	Sustainability Social Sustainability Governance Stakeh	None	Evidence URL	Evidence
9	profile.1EE89F448D	TRSP	3	Standard	att.1FC6BCD089	Periodic Expert/ External Review	Sustainability Social Sustainability Expert Guidance Pe	None	Evidence URL	Evidence
10	profile.1EE89F448D	TRSP	4	Standard	att.42D7C2C3A4	Public Statement of Wind-Down	Sustainability Social Sustainability Living Will Public St	None	Evidence URL	Evidence
11	profile.1EE89F448D	TRSP	5	Standard	att.7495ADA28B	Public Continuity Plan	Sustainability Social Sustainability Planning/ Continuity	None	Evidence URL	Evidence
12	profile.1EE89F448D	TRSP	6	Standard	att.04DC5770C9	Documentation on Community Engagement	Sustainability Social Sustainability Community Engager	None	Evidence URL	Evidence
13	profile.1EE89F448D	TRSP	8	Standard	att.2758AC32B8	Justification of Income	Sustainability Financial Sustainability Revenue Justifia	None	Evidence URL	Evidence
14	profile.1EE89F448D	TRSP	12	Standard	att.6F306E2CEA	Publicly Available Accounts	Sustainability Financial Sustainability Adequacy of Stru	None	Evidence URL	Evidence
15	profile.1EE89F448D	TRSP	13	Standard	att.6EDF9A999F	Defined and predictable funding regime	Sustainability Financial Sustainability Adequacy of Stru	None	Evidence URL	Evidence
16	profile.1EE89F448D	TRSP	14	Standard	att.52A2A122AF	Base operations structurally funded	Sustainability Financial Sustainability Adequacy of Stru	None	Evidence URL	Evidence
17	profile.1EE89F448D	TRSP	15	Standard	att.269758D5A0	R&D is Possible	Sustainability Financial Sustainability Adequacy of Stru	None	Evidence URL	Evidence
18	profile.1EE89F448D	TRSP	16	Standard	att.5CB2FB5B4C	Content is available free	Sustainability Technical Sustainability Data Continuity	None	Evidence URL	Evidence
19	profile.1EE89F448D	TRSP	17	Standard	att.608B9C73BB	Open Data	Sustainability Technical Sustainability Data Continuity	None	Evidence URL	Evidence

Uses for Profiles

- Repositories or services that have defined profiles can **verify** measured **attribute values** against that profile
- Repositories or services that wish to meet multiple benchmarks (e.g. apply to CTS, join FIDELIS, publish to re3data) can compose a profile that supports all of these and their benchmarks.
- Assessment, appraisal, certification, etc.: compares measured values for a repository or service to benchmarks for a specific profile.
- Select/ filter for all repositories or services that satisfy the benchmarks for a profile. (f.i. EDEN Registry UI)

Profile/ Attribute Relations and Benchmarks

Benchmarks model the constraints for an attribute, and can form the basis of comparison, selection, or assessment. An example:

Profile

Example repository

Registry Attribute

Metadata (Harvesting) API

Profile (Repository) Attribute Label

Same as above

Profile (Repository) Attribute Value

OAI-PMH Endpoint URL

COMPARED TO:

Profile

OpenAIRE

Registry Attribute:

Metadata (Harvesting) API

Profile Attribute

Validation of full OAI-PMH compliance

Repository Attribute Benchmark

Validated OAI-PMH v2.0 protocol

Test

Verify that OAI-PMH Endpoint corresponds to the v2.0 protocol

Verify that repository
attributes comply with
OpenAIRE quality
expectations

Next Steps: FAIRiCat integration to support M2M interoperability

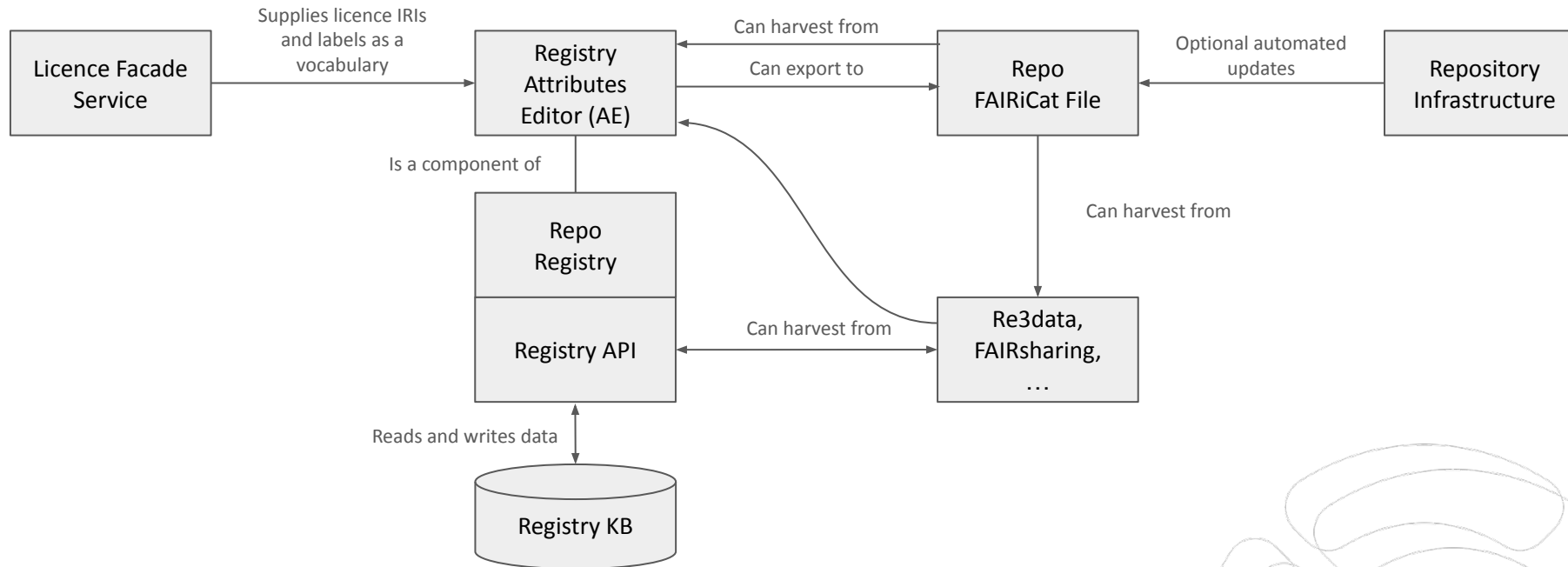
FAIRiCat: Supporting Discovery of a Repository's Interoperability Affordances.

Repositories can advertise the interoperability affordances they provide (Link a service to a URL)

```
< > ↺ https://rdr.kuleuven.be/.well-known/api-catalog
{
  - linkset: [
    - {
      anchor: "https://rdr.kuleuven.be/oai",
      - service-doc: [
        - {
          href: "https://www.openarchives.org/OAI/2.0/guidelines-static-repository.htm",
          type: "text/html",
          title: "Open Archives Initiative - Protocol for Metadata Harvesting - v.2.0"
        },
      ],
      - service-meta: [
        - {
          href: "https://rdr.kuleuven.be/oai?verb=Identify",
          type: "application/xml"
        },
      ],
    },
    - {
      anchor: "https://rdr.kuleuven.be/robots.txt",
      - service-doc: [
        - {
          href: "https://datatracker.ietf.org/doc/rfc9309/",
          type: "text/html",
          title: "RFC 9309 - Robots Exclusion Protocol"
        },
      ],
    },
    - {
      anchor: "https://rdr.kuleuven.be/sitemap/sitemap.xml",
      - service-doc: [
        - {
          href: "https://www.sitemaps.org/protocol.html",
          type: "text/html",
          title: "sitemaps.org - Protocol"
        },
      ],
    },
  ],
}
```



Registry Attribute Editor for maintenance



T2.3: FAIRiCat Framework implementation Dataverse

EOSC-EDEN / wp2-FAIRiCat-implementation

Type to search

<> Code

Issues

Pull requests

Agents

Actions

Projects

Wiki

Security

Insights

Settings

wp2-FAIRiCat-implementation

Public

Edit Pins

Watch 0

Fork 0

Star 0

main

1 Branch

0 Tags

Go to file

Add file

<> Code

About

PaulBoon

More improvements

eea8f62 · yesterday

6 Commits

ansible

Completed the descriptions and some rearrangement of f...

yesterday

README.md

More improvements

yesterday

README

wp2-FAIRiCat-implementation; an example

While implementing FAIRiCat for our repositories (Dataverse archives at DANS) it became apparent that the way we solved some of the issues we encountered might be helpful for others that would need to implement FAIRiCat for their repositories.

Information about FAIRiCat can be found here: <https://signposting.org/FAIRiCat/> And the 'Linksets' format, which it is based on (it is about links): <https://www.rfc-editor.org/rfc/rfc9264.html>

Decisions made up front

Decisions we made before starting to implement.

- Support the catalog part (Repository-level affordances) and not the objects part. The main omission in our machine readable information exposure is the repository level information. The objects, in our case Datasets, already have exposure of metadata in several formats and also we support signposting (Schema.org) Dataset

About

No description, website, or topics provided.

Readme

Activity

Custom properties

0 stars

0 watching

0 forks

Audit log

Report repository

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Languages

Jinja 100.0%



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linkedin.com/company/eosc-eden



[@eosc-eden.bsky.social](https://eden.fidelis.eu/@eosc-eden.bsky.social)



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github.com/EOSC-EDEN



[EOSC EDEN Zenodo Community](https://zenodo.org/communities/eosc-eden)

Thank You

Please, help us by filling out the 'Services' survey! Scan the QR code:

