eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

How do the FC4E components improve our workflow? Perspectives from our user communities.

Fanny Adloff (DKRZ), Willem Ebers (CLARIN),
Anna-Lena Flügel (DKRZ) & WP7 partners

Funded by
the European Union

FC4E components - what it does in a nutshell

RDGraph	improves findability and re-use of research outputs and softwares.
DTR	allows machine actionable standardisation of metadata helpful to: ○ analyse, compare and validate large data volumes ○ define and register extended Mime-Types, taxonomies and subject classifications ○ improve visibility and selection of data types
MSCR	provides machine-actionable metadata transformation jobs and findability of metadata schemas and crosswalks.
RAiDs	improves visibility and allows connectivity of research project data & related entities.
PIDGraph	offers discoverability of data collections and makes research objects connections visible.
PIDMR	resolves a large amount of PID types.
RSAC	component enhances research software discoverability and long-term preservation.

Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

- Climate Change (DKRZ)
- European Integration of National-level Services (CSC)
- Mathematics (FIZ)
- Service Providers and Research Data Management Communities (EUDAT)
- Social Sciences and Humanities (CLARIN)

Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

- Climate Change (DKRZ)
- European Integration of National-level Services (CSC)
- **Mathematics (FIZ)**
- Service Providers and Research Data Management Communities (EUDAT)
- Social Sciences and Humanities (CLARIN)

FAIRCORE4EOSC project: The *mathematics case study*

swMATH
an information service for mathematical software

zbMATH Open
THE FIRST RESOURCE FOR MATHEMATICS

Funded by
the European Union

The RSAC integration

Funded by
the European Union

User story

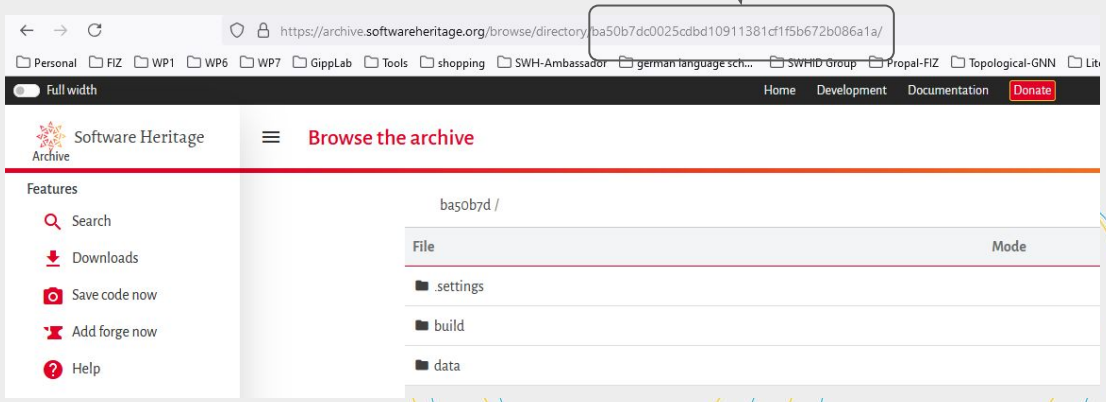
- A mathematician which using the MaRDI infrastructure wants to find mathematical software for his scientific needs and the associated source code. With Software Heritage and the MaRDI portal, he can seamlessly access to both the source code and the associated metadata.

Funded by
the European Union

The archival and referential work

swMATH id	forge link	SWHID
8779	https://github.com/appliedtopology/javaplex	swh:1:dir:ba50b7dc0025cdbd10911381cf1f5b672b086a1a

15752 archived software



Funded by
the European Union

The deposit work

- ➔ We processed a few sample of metadata deposit
- ➔ Now improving the metadata formatting with our last feedback of the SWH team

Metadata of deposit 4782

```
<entry xmlns="http://www.w3.org/2005/Atom" xmlns:codemeta="https://doi.org/10.5063/SCHEMA/CODEMETA-2.0" xmlns:swhdeposit="https://www.softwarehe
  <id>https://zbmath.org/8779</id>
  <swhdeposit:deposit>
    <swhdeposit:reference>
      <swhdeposit:origin url="https://github.com/appliedtopology/javaplex"/>
    </swhdeposit:reference>
    <swhdeposit:metadata-provenance>
      <schema:url>https://api.zbmath.org/v1/</schema:url>
    </swhdeposit:metadata-provenance>
  </swhdeposit:deposit>
  <codemeta:author>
    <codemeta:name>Vejdemo-Johansson, Mikael</codemeta:name>
    <codemeta:givenName>Mikael</codemeta:givenName>
    <codemeta:familyName>Vejdemo-Johansson</codemeta:familyName>
  </codemeta:author>
  <codemeta:author>
    <codemeta:name>Adams, Henry</codemeta:name>
    <codemeta:givenName>Henry</codemeta:givenName>
    <codemeta:familyName>Adams</codemeta:familyName>
  </codemeta:author>
  <codemeta:author>
    <codemeta:name>Tausz, Andrew</codemeta:name>
    <codemeta:givenName>Andrew</codemeta:givenName>
    <codemeta:familyName>Tausz</codemeta:familyName>
  </codemeta:author>
  <codemeta:name>javaPlex</codemeta:name>
  <codemeta:description>zbMATH Open Web Interface contents unavailable due to conflicting licenses.</codemeta:description>
  <codemeta:sameAs>http://appliedtopology.github.io/javaplex/</codemeta:sameAs>
```

Funded by
the European Union

The citation work

Click to view citation [Collapse]

```
@software{javaPlex,
  author       = {Vejdemo-Johansson, Mikael and Adams, Henry and Tausz, Andrew},
  title        = {javaPlex},
  url          = {https://zbmath.org/software/8779},
  year         = {2014},
  swhid        = {swh:1:dir:ba50b7dc0025cdbd10911381cf1f5b672b086a1a},
  repository   = {https://github.com/appliedtopology/javaplex}
}
```

Funded by
the European Union

FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

The PIDGraph and RDGraph integration

Funded by
the European Union

User story

- A mathematician is using services like the PIDGraph and the RDGraph to collect mathematics articles metadata. He can find the articles metadata referenced by zbMATH and their associated persistent identifiers, like zbMATH authors codes, zbMATH document identifiers and swMATH identifiers, exposed in standard vocabularies like the one of DataCite.

Funded by
the European Union

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

zbMATH Open	DataCite	Matching
zbMATH Open author id	ORCIDs	35 016
zbMATH Open document id	DOI	2 616 582

zbMATH Open	Expected ingestions
zbMATH software id	> 47 K, including 300 K articles citing them
zbMATH Open document id	> 4 millions

Funded by
the European Union

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

The PIDMR integration

Funded by
the European Union

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

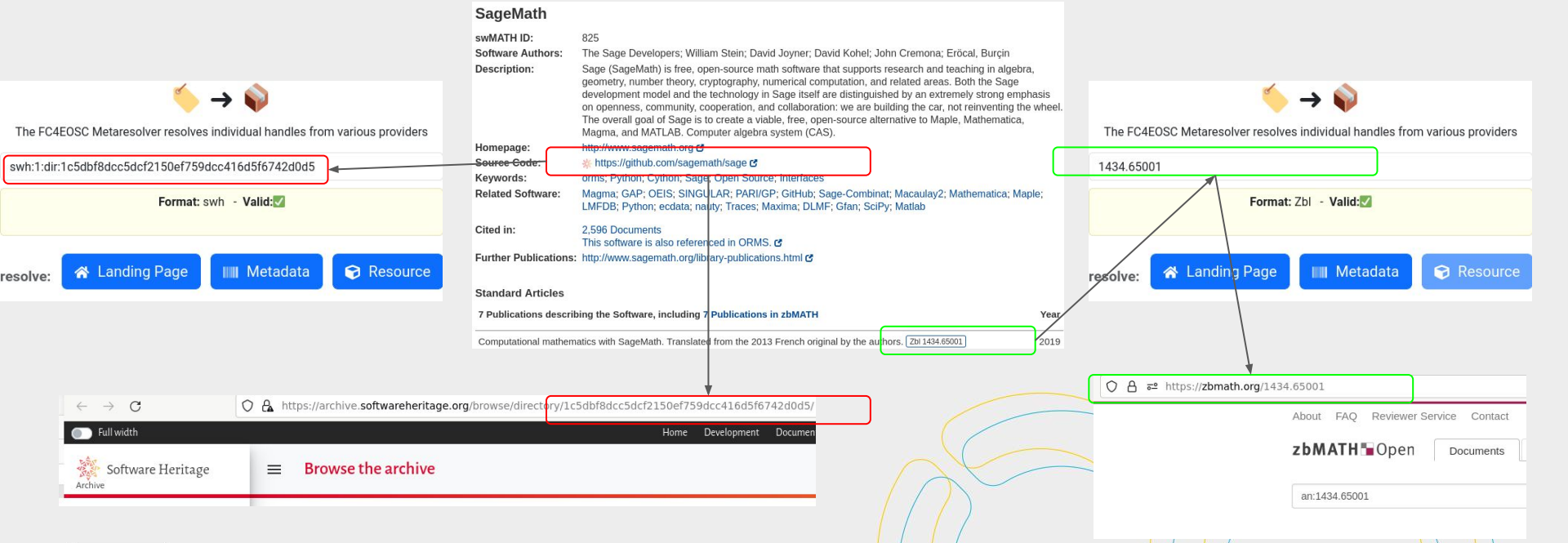
User story

- A mathematician is using a research engine service to find mathematical research articles. He finds an article identified with the zbMATH identifier and can check on the PIDMR service that the identifier is valid.

Funded by
the European Union

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

The PIDMR integration



Funded by
the European Union

Added value for Mathematicians

- **RSAC (Software and Code Access)**: Access mathematical software and source code seamlessly via **MaRDI** and **Software Heritage (SWH)**.
- **MSCR**: Map **swMATH** and **zbMATH** metadata to **CodeMeta, DataCite and OpenAire** for better understanding and interoperability.
- **PIDMR**: Validate **swMATH** and **zbMATH** identifiers to ensure metadata accuracy and reliability.
- **PIDGraph & RDGraph**: Discover mathematical articles and software in other aggregator services.
- **DTR**: Access and reference the **Mathematics Subject Classification (MSC)** that categorizes mathematical documents.

Funded by the European Union

Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

- Climate Change (DKRZ)
- **European Integration of National-level Services (CSC)**
- Mathematics (FIZ)
- Service Providers and Research Data Management Communities (EUDAT)
- Social Sciences and Humanities (CLARIN)

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

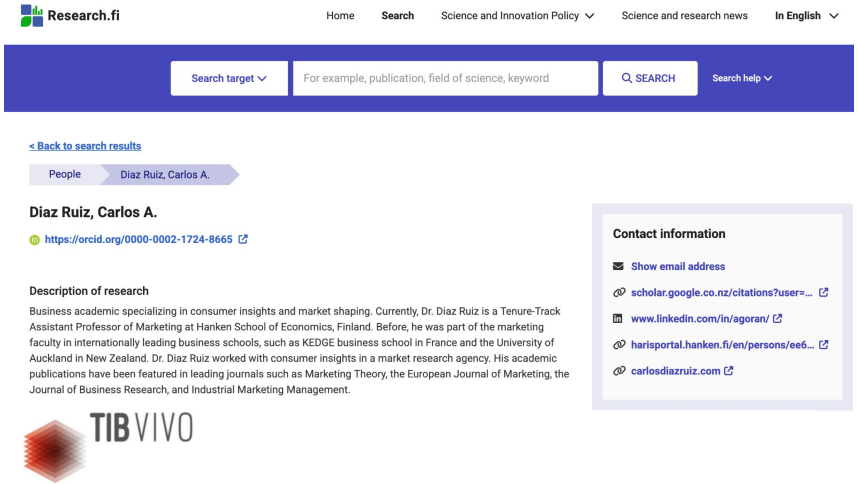
European Integration of National-level Services

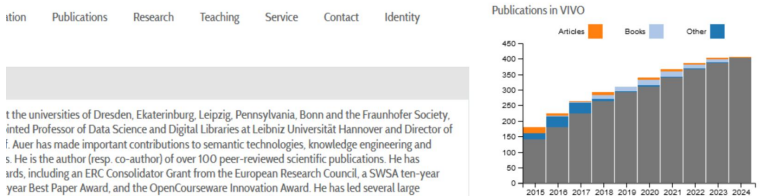
Joonas Nikkanen (CSC)

Funded by
the European Union

Starting points: CRIS'

Current Research Information Systems

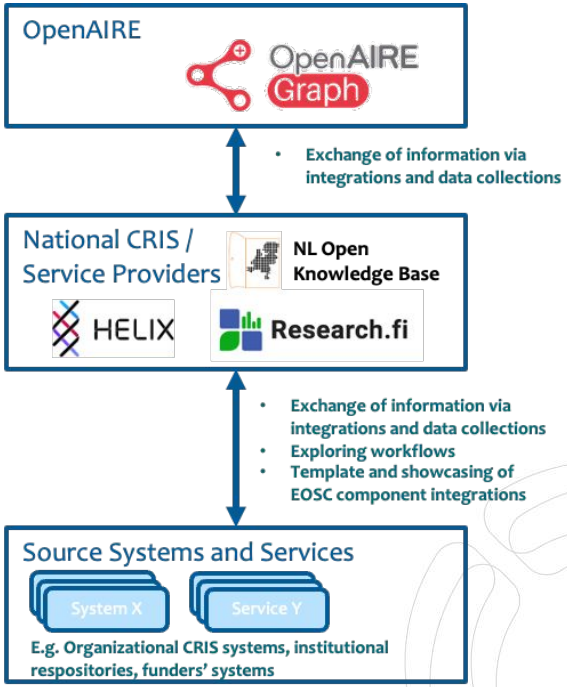


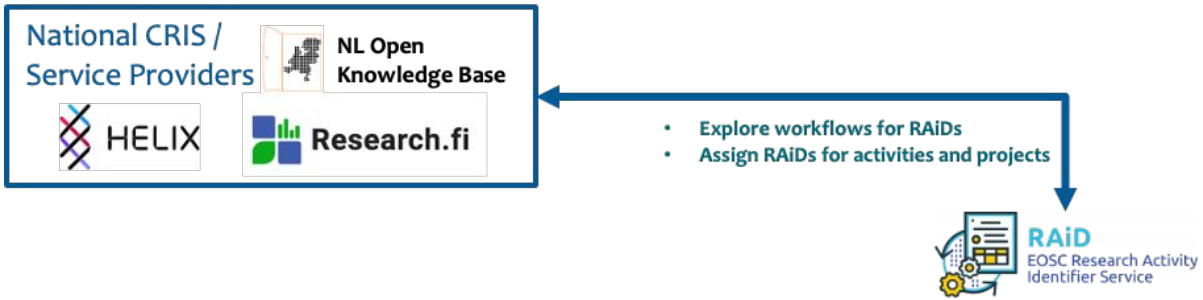


National built systems for CRIS-like information would be invaluable sources of data for research assessment, science policy-making or to highlight EOSC-related contributions if interoperability and extensive data exchange could be achieved

What are we trying to tackle?

…highlighting a few…





Research project might include information on: people, publications, funding, activities etc. -> collection of different research entities and roles within projects

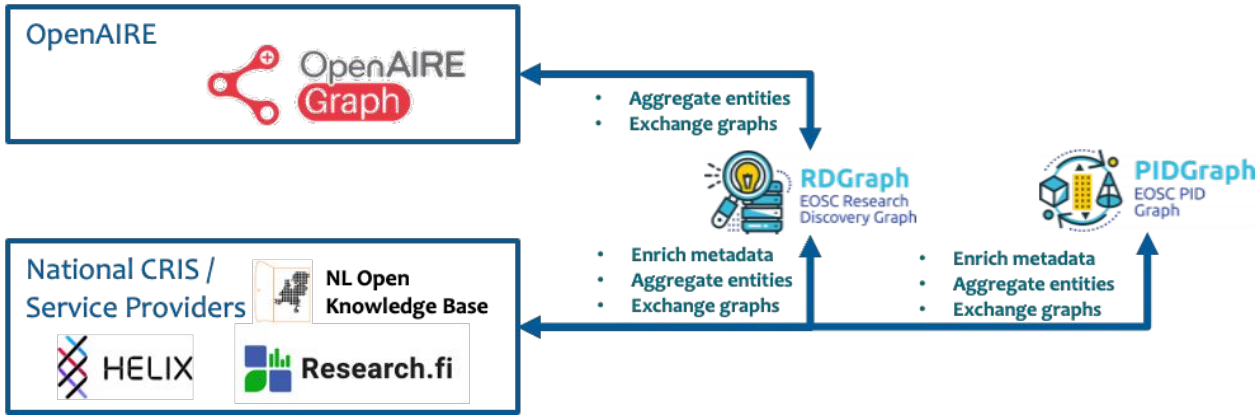
How to handle all this interlinking entities in a meaningful way and track the impact and outputs of projects?

What's in it for us?

Ability to mint RAiDs and update/retrieve metadata via European RAiD registry + ideas for RAiD governance

What's in it for researchers?

Makes it easier to follow and show project's outputs and use them in e.g. reporting



What's in it for us?

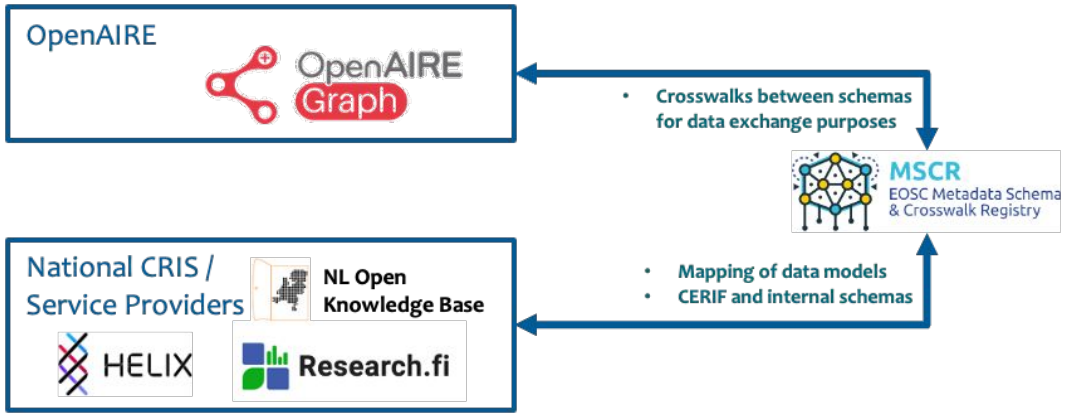
Enrichment of metadata records for nodes and links via APIs and data dumps

What's in it for researchers?

Makes your collaboration and datasets more visible in various systems

PIDs can provide unambiguous linking between persistent identifiers of the same type, e.g. journal articles citing other articles or linking a researcher and the datasets they produced

Datacite PID Graph tool to provide these links between research entities, but also to utilize them e.g. claiming of links between entities and following the usage metrics



How to exchange information between CRIS systems and aggregate information in a sustainable way while taking care of data quality and keeping up with inevitable updates to data models?

Refactored CERIF data model as common for doing data exchange of national CRIS systems & OpenAIRE RDGraph aggregator of CRIS information

What's in it for you?

New CERIF data model as crosswalkable schema + support for data exchanges between CRIS systems

What's in it for researchers?

Makes your contributions to local CRIS system matter as same information is available in other systems as well

FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

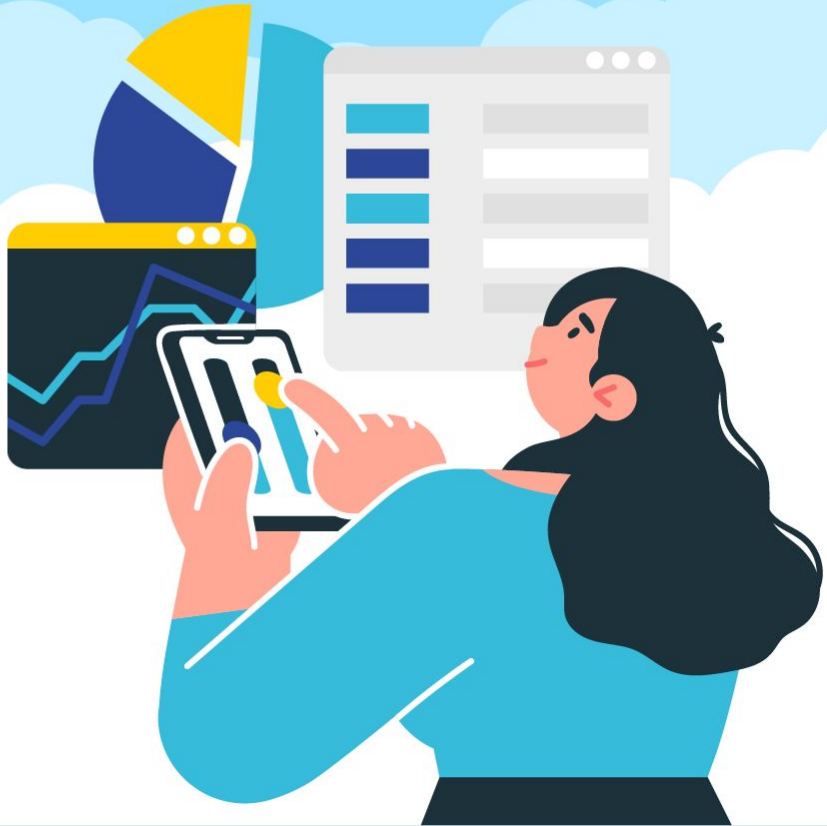
faircore4eosc.eu

@FAIRCORE4EOSC

company/faircore4eosc

FAIRCORE4EOSC

Funded by
the European Union



Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

- Climate Change (DKRZ)
- European Integration of National-level Services (CSC)
- Mathematics (FIZ)
- **Service Providers and Research Data Management Communities (EUDAT)**
- Social Sciences and Humanities (CLARIN)

The Service Providers and Research Data Management (SPRDM) Communities Story (EUDAT CDI B2SHARE)

FAIRfest, February 20th – 21st 2025

Chris Ariyo, CSC IT Center for Science

Once upon a time …

There was a research scientist, data manager and a scientific community manager.

- How can I store, share & publish my research data and make it available to other researchers easier?
- How can I make an extensive and clear description of the data for better understanding of the research?
- I have a scientific community which want to have a set of rules (metadata schemas) for publishing our research data, can you make it easier to do?
- How can I find research data relevant and / or related to my research data?
- What about related projects and their relationships?

FAIRCORE4EOSC components and services to the rescue

Metadata Schema and Crosswalk Registry (MSCR)

Provide a location where you can easily access rules (Metadata schemas) of publishing your research data

Data Type Registry (DTR)

Add typing for your research data.

Research Activity Identifier Service (RAiD)

Show you the research projects and the relationships to others.

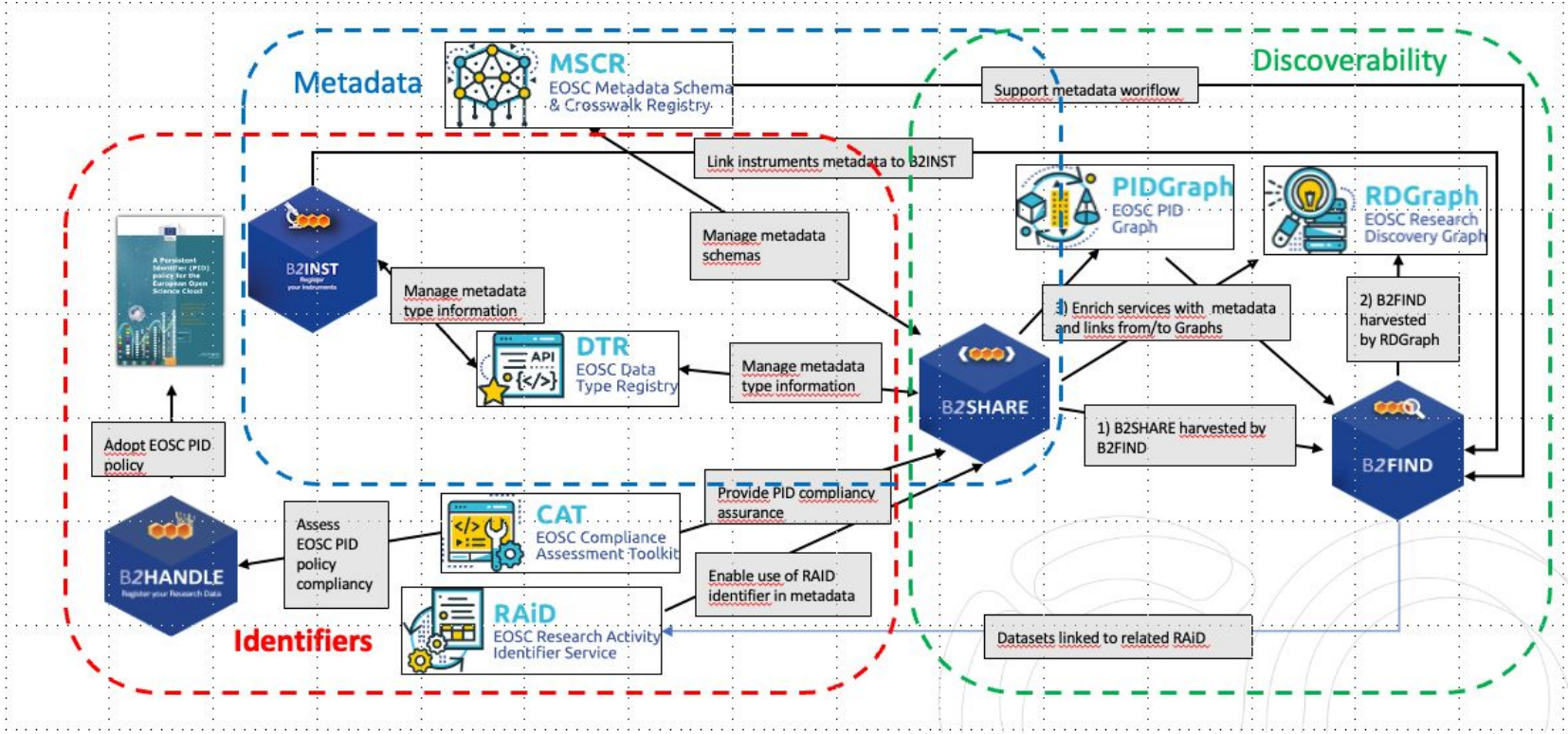
Research Discovery Graph (RDGraph) and PID Graph (PIDGraph)

Visualise the relationships of different research data

Compliance Assessment Toolkit (CAT)

Just a moment

The connections



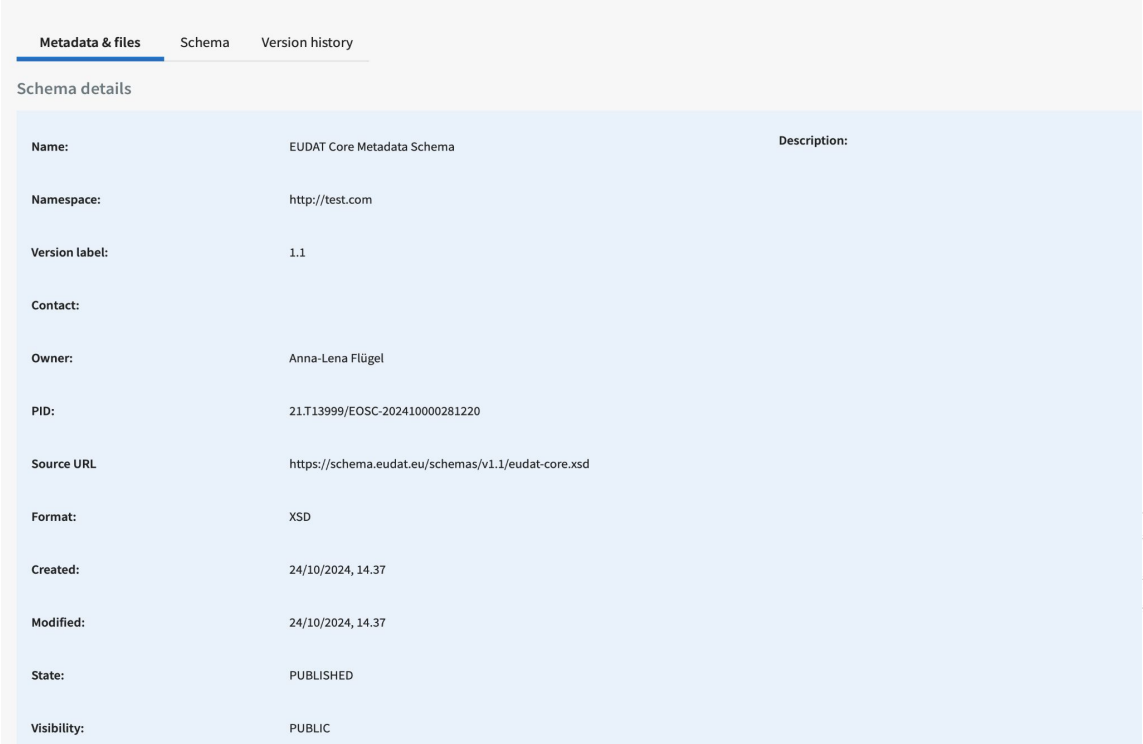
The Service Providers and Research Data Management (SPRDM) Community.

- We have made available metadata schemas in MSCR & DTR so it is easier for you to register, store, publish and share you research data.

- We have incorporated into B2SHARE necessary metadata handles to make the presentation of your research data better to visualize and to see the relationships to other research data and projects for RAiD, RDGRAPH, & PIDGRAPH.

- And while at it, even succeeded to show the use of CAT for EOSC PID Compliance Policy assessment.

EUDAT Core metadata schema has been made available in MSCR



EUDAT B2SHARE provides information to PIDGraph, RAiD & RDGRAPH

Alternate identifier :: `alternate_identifiers`

The alternative identifiers for this resource such as a URN, URI or an ISBN number.

`alternate_identifier (required)`	`string`
Type :: `alternate_identifier_type (required)` The type of the identifier.	`enum [ARK, arXiv, bibcode, DOI, EAN13, EISSN, Handle, ISBN, ISSN, ISTC, LISSN, LSID, ORCID, PMID, PURL, UPC, URL, URN, w3id, RAiD]`

Related identifiers :: `related_identifiers`

The identifiers of other resources related to the resource such as a URN, URI or an ISBN number.

`related_identifier (required)`	`string`
Resource type :: `resource_type_general` The type of the resource.	`enum [Audiovisual, Book, BookChapter, Collection, ComputationalNotebook, ConferencePaper, ConferenceProceeding, DataPaper, Dataset, Dissertation, Event, Image, InteractiveResource, Journal, JournalArticle, Model, OutputManagementPlan, PeerReview, PhysicalObject, Preprint, Report, Service, Software, Sound, Standard, Text, Workflow, Other]`
Type :: `related_identifier_type (required)` The type of the identifier.	`enum [ARK, arXiv, bibcode, DOI, EAN13, EISSN, Handle, ISBN, ISSN, ISTC, LISSN, LSID, ORCID, PMID, PURL, UPC, URL, URN, w3id, RAiD]`
Relation :: `relation_type (required)` The relation type of the described reference.	`enum [IsCited… …ites, IsSupplementTo, IsPublishedIn, IsSupplementedBy, IsContinuedBy, Continues, HasMetadata, IsMeta… …, IsNewVersionOf, IsPreviousVersionOf, IsPartOf, HasPart, IsReferencedBy, References, IsDocumentedBy, …ents, isCompiledBy, Compiles, IsVariantFormOf, IsOriginalFormOf, IsIdenticalTo, IsReviewedBy, Revi… …DerivedFrom, IsSourceOf, Describes, IsDescribedBy, HasVersion, IsVersionOf, Requires, IsRequiredBy, Obs… …IsObsoletedBy]`
Scheme :: `scheme` The scheme used for the identifier.	
Scheme URI :: `scheme_uri` The URI pointing to the scheme.	

Type :: `related_identifier_type (required)` `enum [ARK, arXiv, bibcode, DOI, EAN13, EISSN, PURL, UPC, URL, URN, w3id, RAiD]`

The type of the identifier.

https://trng-b2share.eudat.eu/communities/EUDAT-FC4E

Thank you

EOSC PID Compliance Policy
Assessment Results
Compliance:
pass
Details
fields.actor: PID Manager (Role)
Organisation: National Infrastructures for Research and Technology - GRNET S.A
Subject: b2share / service
Latest Update:2024-11-15
eosc | FAIRCORE4EOSC
Compliance Assesment Toolkit
B2SHARE
Compliance Policy: EOSC PID Policy
Statistics
Principles: 8
Criteria: 13
• Mandatory: 9/9
• Optional: 4/4
PASSED
PASSED
PASSED

Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

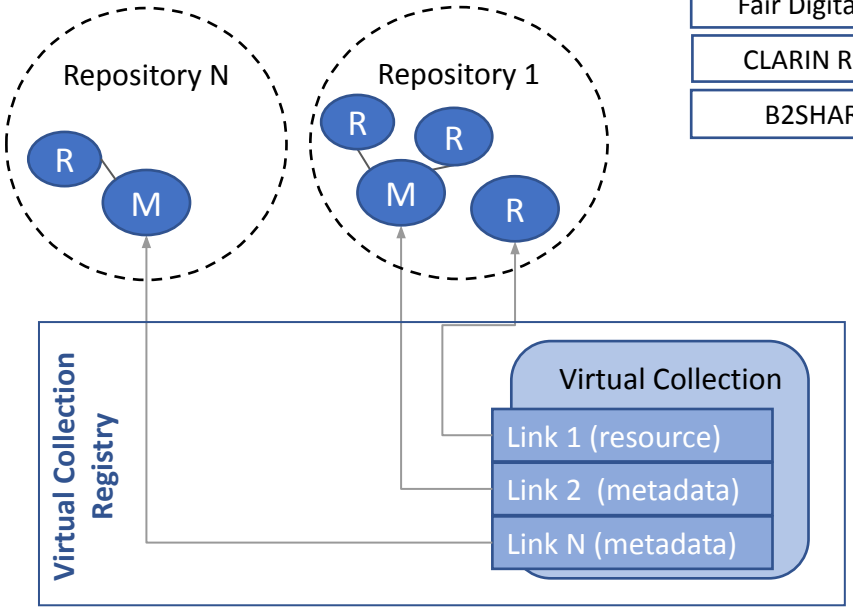
- Climate Change (DKRZ)
- European Integration of National-level Services (CSC)
- Mathematics (FIZ)
- Service Providers and Research Data Management Communities (EUDAT)
- **Social Sciences and Humanities (CLARIN)**

FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

SSH Case Study

Willem Elbers (CLARIN ERIC)
FairFest, The Hague
February 20 2025

Funded by
the European Union



Zenodo PID
Handle
Humanum PID
DOI
Fair Digital Object
CLARIN Repo PID
B2SHARE PID

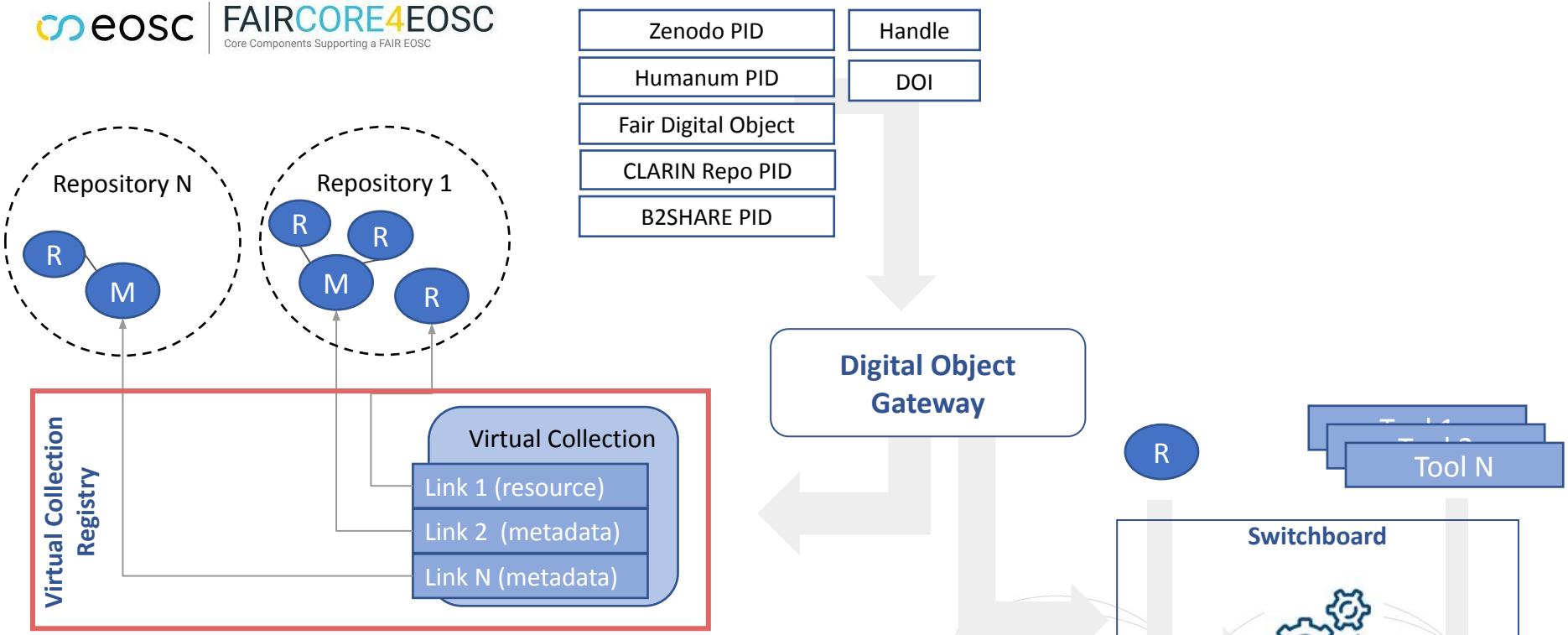
Digital Object Gateway

R

Tool N

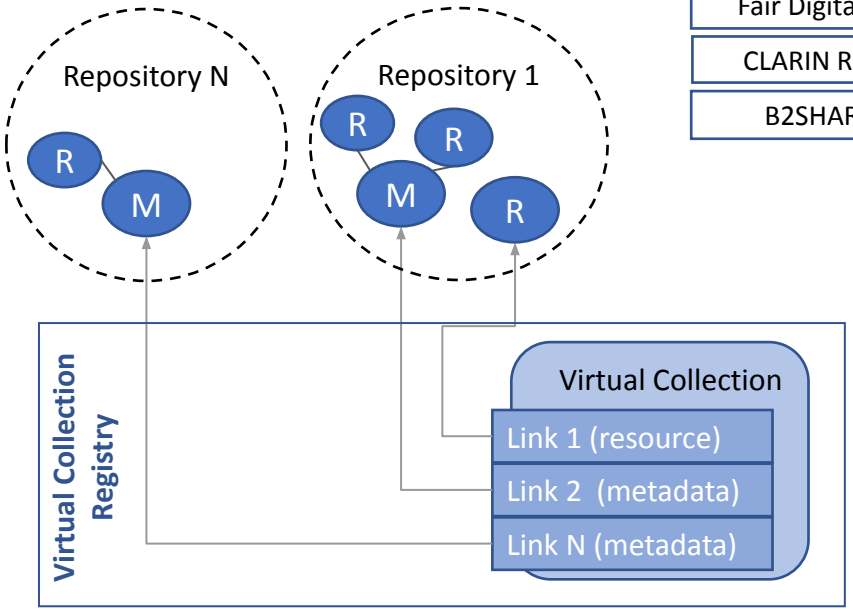
Switchboard

Suggestions



The Virtual Collection Registry allows a user to create collections of links pointing to resources, such as landing pages, metadata files or bit streams.

This provides easy citation, sharing and processability of resources spread across various repositories.



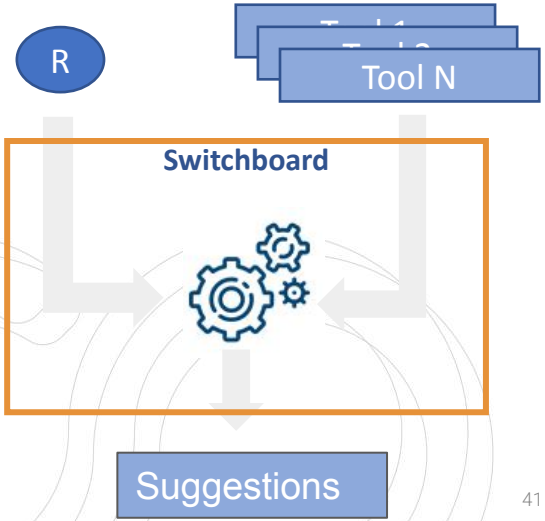
Zenodo PID | Handle
Humanum PID | DOI
Fair Digital Object
CLARIN Repo PID
B2SHARE PID

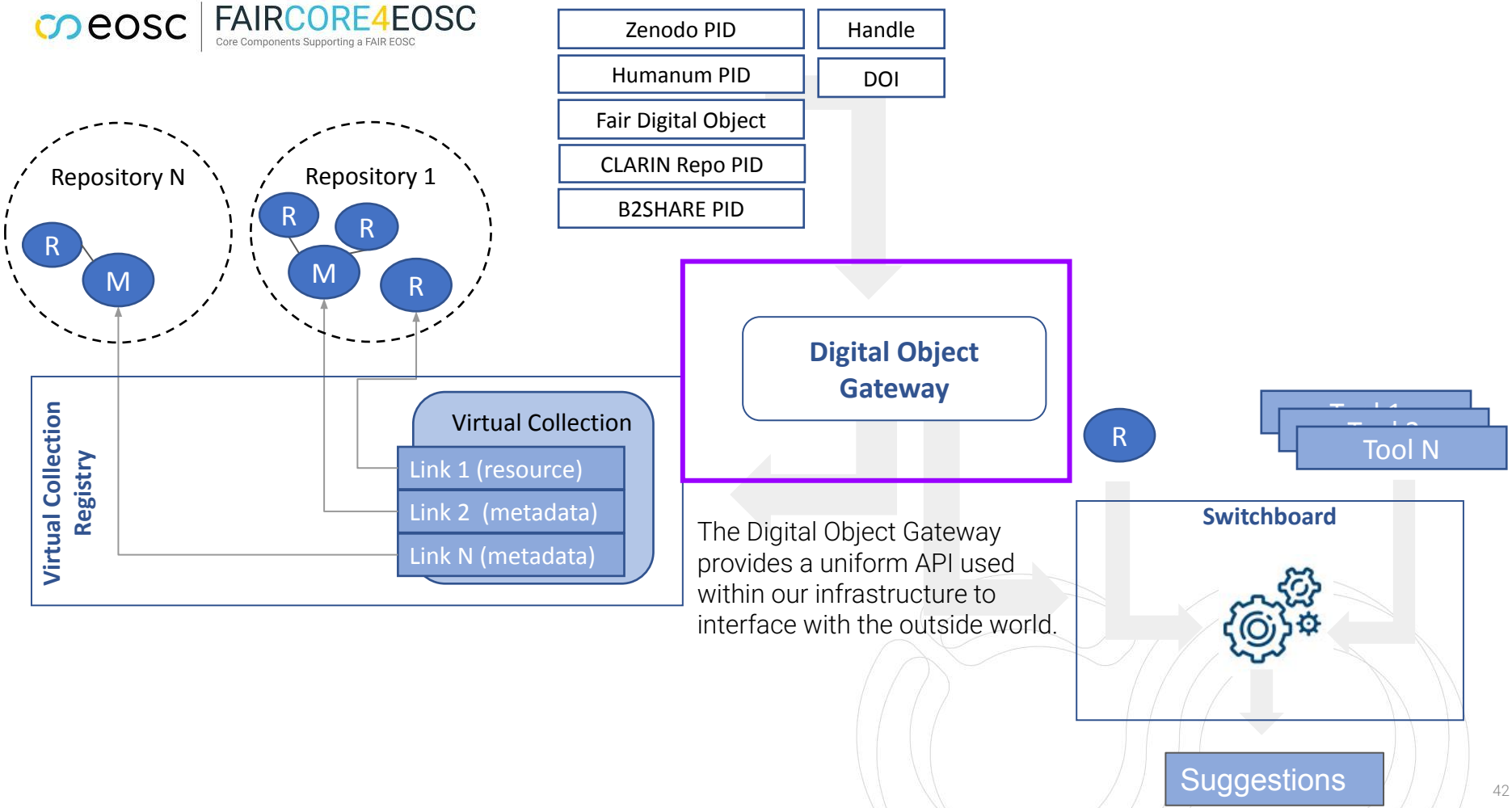
Digital Object Gateway

The Switchboard is a broker between resources and processing tools.

A user presents a (link to a) resource and the Switchboard returns a list of tools that can process the given resource.

This allows the user to explore what tools are available for his/her data in our domain.





The Digital Object Gateway provides a uniform API used within our infrastructure to interface with the outside world.

Use case

A typical workflow for a user, a teacher in this example, in our domain is:

1. Create a virtual collection of links pointing to various resources used in a lecture.

E.g. Create a collection to bundle works by and secondary sources about Henrik Ibsen (http://hdl.handle.net/11372/VC-1002).

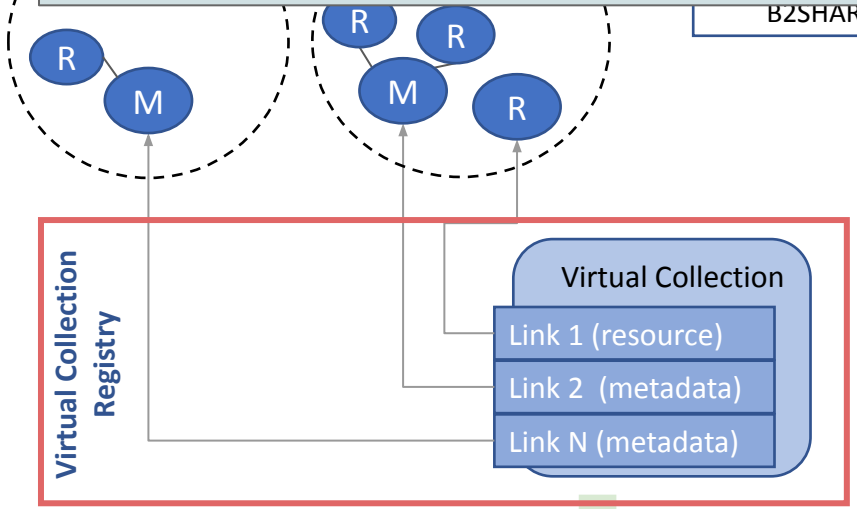
2. Use this collection to send it to the switchboard to get suggestions on available tools to process the resources linked in this collection.

When creating a collection some basic metadata is collected. This metadata must be added manually for each link added to the collection.

This workflow can be improved by getting as much relevant metadata as possible in an automated way. This will reduce the amount of work required to add links to a collection.

The integration with the PID Meta Resolvers allows us to support other PID systems such as ark and urn:nbn.

The user can add a link using one of these PID systems and resolve the PID to the underlying resource.



B2SHARE PID

PID Meta Resolver

Data Type Registry

Metadata Schema and

Identifier System	DOG	PIDMR
HDL (with registered CLARIN repository)	L,M,R'	
HDL, EPIC (21.*)		M, L
HDL, EPIC (old)		M, L
ARK		M, L
URN-NBN-DE		M, L
URN-NBN-CH		M, L, R
arXiv		M, L, R
Zenodo (10.5281/zenodo)	L,M,R'	M, L, R
DOI	L,M,R'	M, L, R
ark		M, L
B2SHARE	L,M,R'	

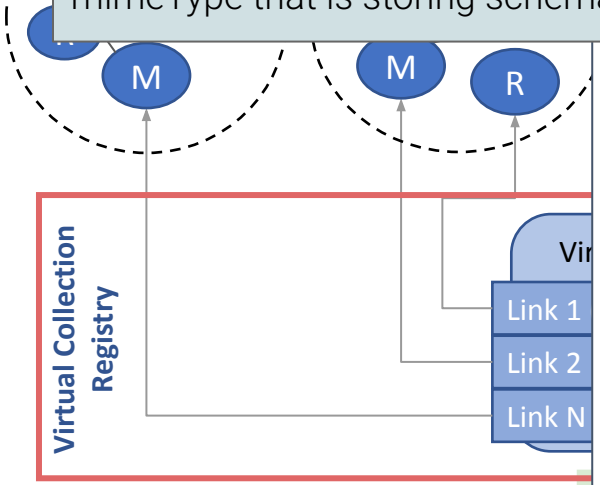
PID Graph

Research Discovery Graph

https://typeregistry.lab.pidconsortium.net/#objects/21.T11969/710b1a3647d431e205e0

Using extended data types defined in the DTR we can store additional information with the type to improve processability and discoverability of tools.

Based on the resource media type we can query for an extended mimeType that is storing schema and crosswalk information.



PID Meta Resolver

Reference 1

Reference Name

RFC

Reference URL

https://datatracker.ietf.org/doc/html/rfc6129

Reference 2

Reference Name

SCHEMA

Reference URL

https://tei-c.org/release/xml/tei/custom/schema/xsd/tei_lite_xml.xsd

Reference 3

Reference Name

CROSSWALK

Reference URL

https://mscr-test.2.rahtiapp.fi/datamodel-api/v2/crosswalk/21.T13999/EOSC-202411000283922

PID Graph

Research Discovery Graph

Finally we use the schema information to query the MSCR for a crosswalk.

If a crosswalk exists, we can download the associated XSLT and use this XSLT to transform the resource metadata into a schema we understand.

This schema is used to extract the relevant information we require as metadata for links in a collection and this information is prefilled into the user interface.

PID Meta Resolver

Data Type Registry

Metadata Schema and Crosswalk Registry

Virtual Collection Registry

Virtual Collection

Link 1 (resource)

Link 2 (metadata)

Link N (metadata)

R

Tool N

Switchboard

PID Graph

Suggestions

Research Discovery Graph

https://llds.ling-phil.ox.ac.uk/llds/xmlui/bitstream/handle/20.500.14106/A39119/A39119.xml

A39119.xml

Suggested value

A vindication of the letter out of the north concerning Bishop Lake's declaration of his dying in the belief of the doctrine of passive obedience, &c. : in answer to a late pamphlet, called, The defence of the profession, &c. of the said Bishop : as far as it concerns the person of quality.

Suggested value

2025-02-48 10:12:04	PARSER_HTTP	KEY_HTTP_RESPONSE_MEDIA_TYPE	text/xml
2025-02-48 10:12:04	PARSER_HTTP	HTTP_RESPONSE_CODE	200
2025-02-48 10:12:04	PARSER_HTTP	NAME	A39119.xml
2025-02-48 10:12:05	PARSER_CMDI	STATE	OK
2025-02-48 10:12:05	PARSER_MSCR	STATE	OK
2025-02-48 10:12:05	PARSER_MSCR	NAME	Eyre, William, 1612 or 13-1670.
2025-02-48 10:12:05	PARSER_MSCR	DESCRIPTION	A vindication of the letter out of the north concerning Bishop Lake's declaration of his dying in the belief of the doctrine of passive obedience, &c. : in answer to a late pamphlet, called, The defence of the profession, &c. of the said Bishop : as far as it concerns the person of quality.
2025-02-48 10:12:05	PARSER_MSCR	PROCESS_0	performParsingDir
2025-02-48 10:12:05	PARSER_MSCR	PROCESS_1	Found datatype with id: 21.T11969/710b1a3647d431e205e0
2025-02-48 10:12:05	PARSER_MSCR	PROCESS_2	Found crosswalk with id: 21.T13999/EOSC-202501000349738

Virtual Collection

Link N (metadata)

PID Graph

Research Discovery Graph

Suggestions

Use case

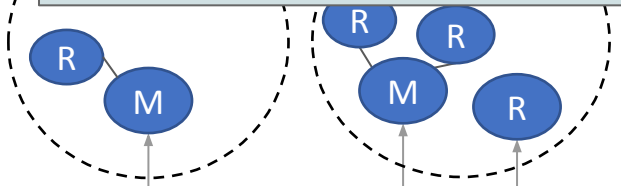
A workflow for a “technical” researcher in our domain is the processing of a set of resources referenced by PIDs in order to find tools that can operate on the data.

1. Write a script to iterate over a collection or set of resources
2. Utilize the DOG to resolve the PIDs and query relevant metadata for each resource
3. Utilize the switchboard to find relevant tools to process each resource

This workflow can be improved by supporting more PID systems and improving the returned metadata by e.g. including taxonomy information. This allows for the selected of more generic tools that might be able to process the data as well.

The integration with the PID Meta Resolvers allows us to support other PID systems such as ark and urn:nbn.

The user can add a link using one of these PID systems and resolve the PID to the underlying resource.



B2SHARE PID

PID Meta Resolver

Data Type Registry

Metadata Schema and Crosswalk Registry

Digital Object Gateway

R

Tool N

Virtual Collection Registry

Virtual Collection

Link 1 (resource)

Link 2 (metadata)

Link N (metadata)

Switchboard

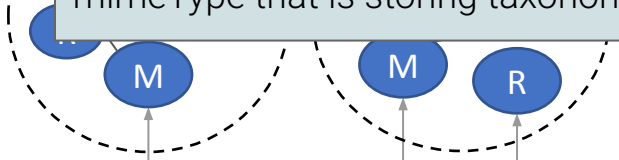
PID Graph

Suggestions

Research Discovery Graph

Using extended data types defined in the DTR we can store additional information with the type to improve processability and discoverability of tools.

Based on the resource media type we can query for an extended mimeType that is storing taxonomy information.



PID Meta Resolver

Data Type Registry

Metadata Schema and Crosswalk Registry

Digital Object Gateway

Virtual Collection Registry

Virtual Collection

Link 1 (resource)

Link 2 (metadata)

Link N (metadata)

R

Tool N

Switchboard

PID Graph

Suggestions

Research Discovery Graph

https://typeregistry.lab.pidconsortium.net/#objects/21.T11969/710b1a3647d431e205e0

Taxonomies

Taxonomy nodes that this type should be assigned to.

Taxonomy 1 *

21.T11969/fe61e4792b37f2bbb26e

Type Name: application/tei+xml

Virtual Collection

Digital Object

entifier

21.T11969/fe61e4792b37f2bbb26e

Type Name *

application/tei+xml

please use printable ascii characters without blank

Parent Nodes

Parent Node 1 *

21.T11969/f33c32fa8246e2ca6d5c

Type Name: text/xml

Research Discovery Graph

Added value

PIDMR, DTR and MSCR

- Improvements in the virtual collection creation workflow by collecting as much of the required metadata automatically.
  - Extended supported PID systems
  - Utilizes extended mimeType DTR type
  - Utilizes crosswalks to convert metadata into
- Extended the Digital Object Gateway to:
  - Support the resolution of PIDs in more than 10 new PID systems
  - Query DTR type information, including extendedMimeTypes and taxonomy information

PIDGraph and RDGraph

- Improved discoverability of collections published with DOIs

FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

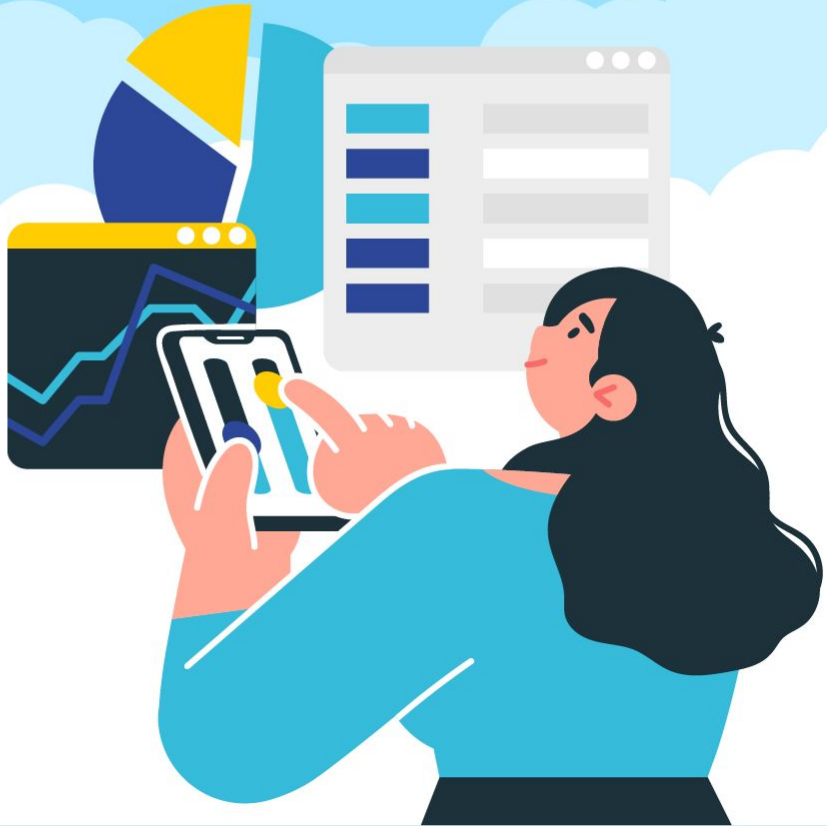
faircore4eosc.eu

@FAIRCORE4EOSC

company/faircore4eosc

FAIRCORE4EOSC

Funded by
the European Union



Case studies

How do the components benefit communities?

Components are co-developed and tested within domain-specific communities:

- **Climate Change (DKRZ)**
- European Integration of National-level Services (CSC)
- Mathematics (FIZ)
- Service Providers and Research Data Management Communities (EUDAT)
- Social Sciences and Humanities (CLARIN)

eosc | FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

Climate Change Case Study

User Story

The Hague, 20th of February 2025

Beate Kruess, German Climate Computing Center

Funded by
the European Union

Why this case study?

FAIRCORE4EOSC has promised to enhance the discoverability and interoperability of research outputs.

Case studies should guide the development and testing of these enhancements.

The Climate Change Case Study was born

How to improve Earth System Science infrastructure?

IS-ENES (Infrastructure for the European Network for Earth System Modeling)

- widely used
- national and international projects
- different funding streams
- user portal
- provenance plug-in

How to make ENES more FAIR?

User Story: How can a downstream data product be generated?

I want to analyze the windstorm risk in specific areas of Europe.

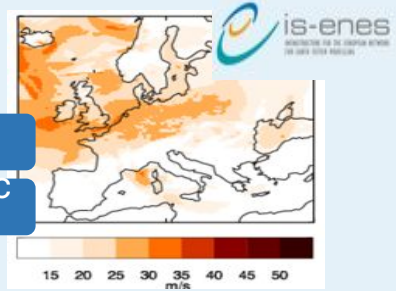
I need to **find** relevant climate data on windstorms, ideally from various sources.

I require **access** to this data, considering permissions, availability, and other restrictions.

The data should be **interoperable** across different platforms and systems.

I am looking for **reusable** data that also includes pre-defined data processing steps.

data provenance



J. F. Roberts et al.: The XWS catalogue

missing ...

origin
funder
citation
transformation
reference
?

How to add missing provenance information?

Use new FC4E services!

is-enes
INFRASTRUCTURE FOR THE EUROPEAN NETWORK FOR EARTH SYSTEM MODELLING

Services on Data & Metadata

climate dataset

PID

ESGF Earth System Grid Federation

WDC CLIMATE

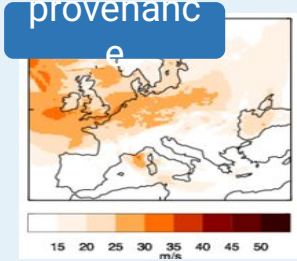
climate data

doi

hdl

PID

data provenance



J. F. Roberts et al.: The XWS catalogue

PIDGraph
EOSC PID Graph

RDGraph
EOSC Research Discovery Graph

RAiD
EOSC Research Activity Identifier Service

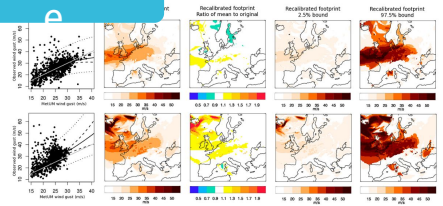
RAiD

DTR
EOSC Data Type Registry

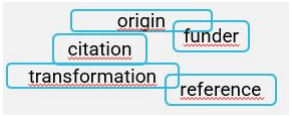
API {</>}

MSCR
EOSC Metadata Schema & Crosswalk Registry

data provenance



J. F. Roberts et al.: The XWS catalogue



User Story: How can a downstream data product be generated?

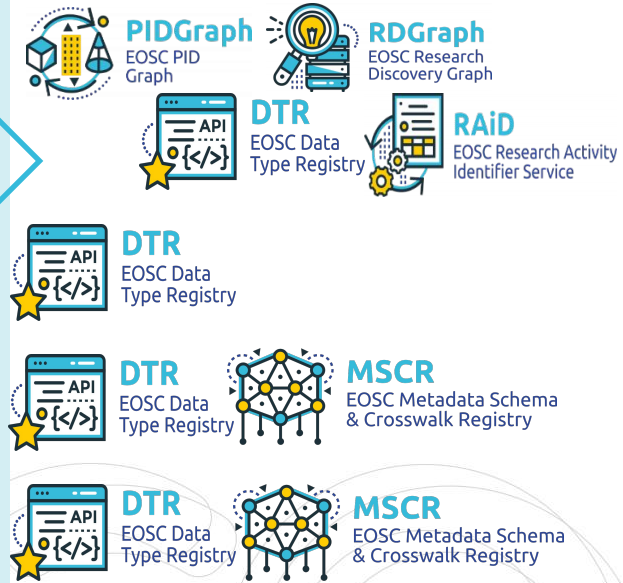
I want to analyze the windstorm risk in specific areas of Europe.

I need to **find** relevant climate data on windstorms, ideally from various sources. F

I require **access** to this data, considering permissions, availability, and other restrictions. A

The data should be **interoperable** across different platforms and systems. I

I am looking for **reusable** data that also includes pre-defined data processing steps. R



FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

faircore4eosc.eu
Twitter: @FAIRCORE4EOSC
LinkedIn: company/faircore4eosc
Youtube: FAIRCORE4EOSC

Thank you!

Funded by the European Union

Case studies

How do the components benefit communities?

How do the components benefit communities?

RDGraph	improves findability and re-use of research outputs and softwares.
DTR	allows machine actionable standardisation of metadata helpful to: ○ analyse, compare and validate large data volumes ○ define and register extended Mime-Types, taxonomies and subject classifications ○ improve visibility and selection of data types
MSCR	provides machine-actionable metadata transformation jobs and findability of metadata schemas and crosswalks.
RAiDs	improves visibility and allows connectivity of research project data & related entities.
PIDGraph	offers discoverability of data collections and makes research objects connections visible.
PIDMR	resolves a large amount of PID types.
RSAC	component enhances research software discoverability and long-term preservation.

Quiz

https://app.sli.do/event/grfSDixNPS6GB6XhrLA3SV

External communities statement on component potential adoption

Meet our team to deliver a short video statement on your interest in using the components ! (1 sentence is enough!)

You'll get a present as thank you for your time.

FAIRCORE4EOSC
Core Components Supporting a FAIR EOSC

faircore4eosc.eu
Twitter: @FAIRCORE4EOSC
LinkedIn: company/faircore4eosc
Youtube: FAIRCORE4EOSC

Funded by the European Union