Comment

Reviewer

Questions

1. Can you name examples of actors with the named roles?

2. Do you have any comments or questions regarding implementation or interpretation of the described role in your own context?

Willem Elbers (CLARIN ERIC)
23 Nov 2022 at 12:47

Not sure if this fits here or is better suited as a service provider?

PID Authority

A controller responsible for maintaining the rules for defining the integrity of PIDs within a PID Scheme. These rules may include setting standards for lexical formats, algorithms and protocols to ensure global uniqueness, together with setting quality of service conditions to enforce compliance to the rules. PID Authorities may be organisations (e.g. DOI.org), which enforce control over a PID infrastructure. But there may also be Authorities which do not have a central control (for example Software Heritage persistent identifiers and W3C's Decentralized Identifiers), but provide a community standardisation mechanism that specifies the conformance of PIDs to a PID Scheme.

DataCite

Questions & Comments

Examples

My case: PID authorities doesn't exist: have to use external ones (e.g. DOI, ePICS, ORCIDs, URIs...)

ePIC

DOI Foundation, ORCID

DOIs Datacite purl wcic

Recommendation 1: Implement the EOSC PID policy and architecture, including the development of a global PID resolver

No PID neither PID authority exists for clinical or other human health studies

PID Service Provider

An organisation which provides PID services in conformance to a PID Scheme, subject to its PID Authority. PID Service Providers have responsibility for the provision, integrity, reliability and scalability of PID Services, in particular the issuing and resolution of PIDs, but also lookup and search services, and interoperability with a generic resolution system.

Examples

EUDAT B2HANDLE

DataCite

ORCIDs

SeaNoe provides DOIs for SeaDataNet

EUDAT provides handles for SeaDataNet

Questions & Comments

PID Manager

PID Managers have responsibilities to maintain the integrity of the relationship between entities and their PIDs, in conformance to a PID Scheme defined by a PID Authority.

A PID Manager will typically subscribe to PID services to offer functionality to PID Owners within the PID Manager's services. One example is a Service Provider which uses PID Services as part of its over service delivery. For example, PID Managers may include a provider of a data repository, a data catalogue, or a research workflow system.

Collections Manager (within research repo)

Often the data manager, or the data WP project manager

Questions & Comments

Examples

CLARIN ERIC

See description on PID Owner; the CLARIN centre also is the PID manager

LifeWatch ERIC is a member of DataCite, so it can provide PIDs to users of its repositories (EcoPortal and Metadata Catalogue)

Data managers normally are PID managers

PID Owner

An actor (an organisation or individual) who has the authority to
create a PID,
assign PID to an entity,
provide and maintain accurate Kernel Information for the PID.

A new PID Owner must be identified and these responsibilities transferred, if the current PID Owner is no longer able to carry them out.

Data Steward (within research repo)

CESSDA SP (within the context of the CESSDA data catalogue)

BODC is a PID owner

SeaDataNet is a PID owner

Examples

CLARIN ERIC

Data is deposited into CLARIN repositories. The repository is responsible to collect the data, metadata and assign the appropriate PID (HANDLE, PID)

PID Owner in this case is the CLARIN Centre hosting the repository

Similar to CLARIN repository also B2SHARE from EUDAT which assigns PIDs to dataset uploaded into the repository

Research Infrastructures with data repository functionality

Research Infras, repositories

Questions & Comments

ISIDORe project: an independant and opaque PID was created, need to be resolvable in a confidential maneer

LifeWatch ERIC's EcoPortal: Data (semantic artefact) owners can request a DOI for their dataset (ontology, controlled vocab, etc.)

End User

The end user of PID Services, for example researchers, or software, or services produced to support researchers.

Examples

Anybody that wants to create persistent identifiers to identify e.g. ontologies, vocabularies, instruments, researchers

Researchers and scientists are mostly end users that want to create PIDs

Questions & Comments

What to do with duplicates PIDs on the same object (e.g. projects and experiments managed in several RIs with their own PID policies)

Could be great to use an European PID service for object from european projects (experiments, responses for internal call for projects...

Observation: we try to use PIDs for machine actionable workflows and encounter cases where the digital object PID resolves to a landing page, which then is not really machine actionable. This can be solved with proper kernel information. i.e. make sure to a reference to the bitstream of the object.

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