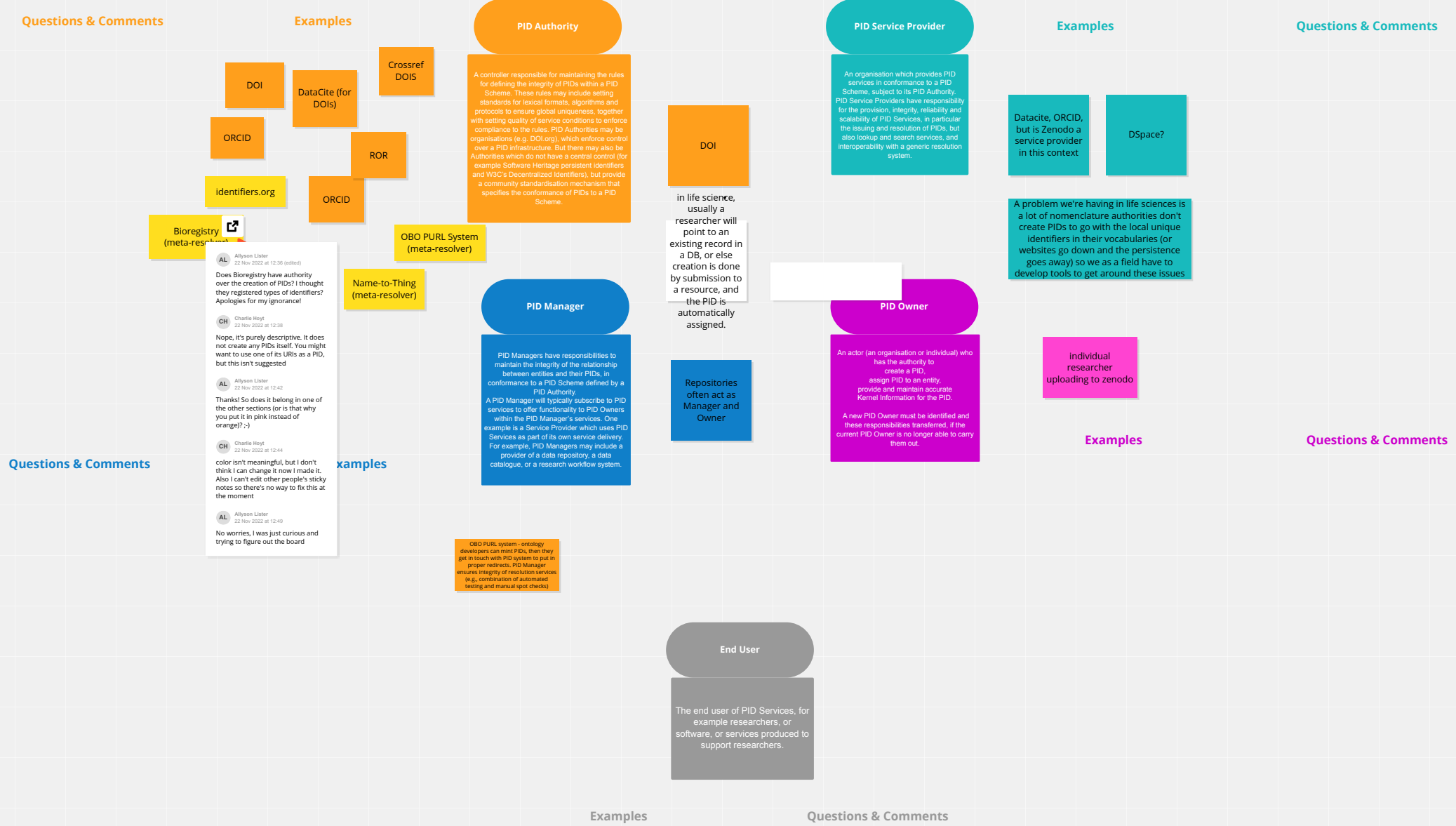


Questions

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?



Bioregistry (meta-resolver)

Examples

- DOI
- DataCite (for DOIs)
- Crossref DOIS
- ORCID
- ROR
- ORCID
- OBO PURL System (meta-resolver)
- Name-to-Thing (meta-resolver)

Questions & Comments

AL Allison Lister 22 Nov 2022 at 12:36 (edited)
Does Bioregistry have authority over the creation of PIDs? I thought they registered types of identifiers? Apologies for my ignorance!

CH Charlie Hoyt 22 Nov 2022 at 12:38
Nope, it's purely descriptive. It does not create any PIDs itself. You might want to use one of its URIs as a PID, but this isn't suggested

AL Allison Lister 22 Nov 2022 at 12:42
Thanks! So does it belong in one of the other sections (or is that why you put it in pink instead of orange?;-)

CH Charlie Hoyt 22 Nov 2022 at 12:44
color isn't meaningful, but I don't think I can change it now I made it. Also I can't edit other people's sticky notes so there's no way to fix this at the moment

AL Allison Lister 22 Nov 2022 at 12:49
No worries, I was just curious and trying to figure out the board

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 local 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.

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.

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 own service delivery. For example, PID Managers may include a provider of a data repository, a data catalogue, or a research workflow system.

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.

DOI

in life science, usually a researcher will point to an existing record in a DB, or else creation is done by submission to a resource, and the PID is automatically assigned.

Repositories often act as Manager and Owner

Examples

Datacite, ORCID, but is Zenodo a service provider in this context

DSpace?

A problem we're having in life sciences is a lot of nomenclature authorities don't create PIDs to go with the local unique identifiers in their vocabularies (or websites go down and the persistence goes away) so we as a field have to develop tools to get around these issues

Examples

individual researcher uploading to zenodo

End User

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

Notification bell icon, checkmark icon, list icon

Thumbnail view of the diagram, zoom level 27%, mouse cursor

Phone icon, screen icon, timer icon, chat icon