

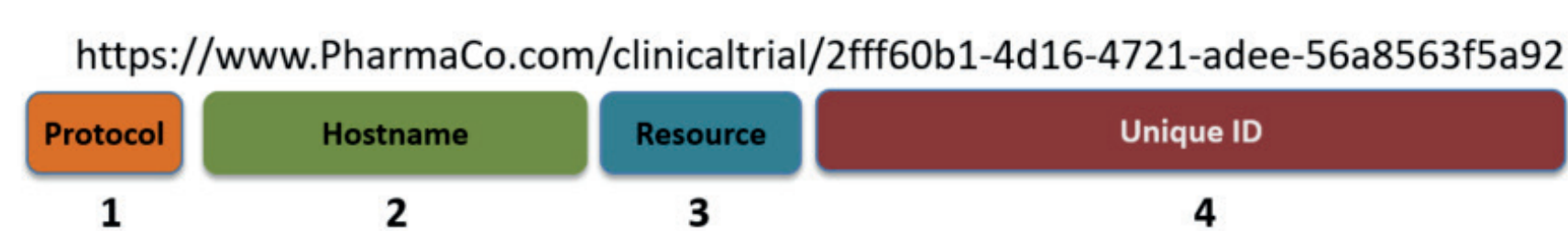
Linked Data URIs

It is challenging to cope with the different names and identifiers for clinical trials throughout their lifespan. Consider the identifiers for a trial which may pass through multiple organizations and is submitted to various authorities, each with their own method to create identifiers. The idea of creating global identifiers is not new. At PhUSE EUConnect18, Kerstin Forsberg and Daniel Goude showed how they used Linked Data URIs at AstraZeneca. Their paper sparked the idea of how to promote and apply

similar approaches across the pharmaceutical industry to leverage the vast amount of information available about trials, drug products, etc.. A few PhUSE members joined with Kerstin and Daniel to investigate how companies can establish unique, easy to create, machine-processable Linked Data URIs. This paper describes how to start implementing URIs and benefits and challenges for creating these persistent, unique, and immutable identifiers in the absence of a central authority.

Who owns a Study URI?

- Fairly simple for an organisation to create their own Study URI's



- But what happens when the legal rights to the data are moved to another legal entity?
- A central organization is needed to create study URIs, ensure their uniqueness, and make them available
- What if we created URI's for subjects?
- A Subject URI should not reveal real individual, whereas the Study URI should identify the real study

One URI to rule them all,

One URI to find them,

One URI to bring them all

and across repositories bind them.



Study URI

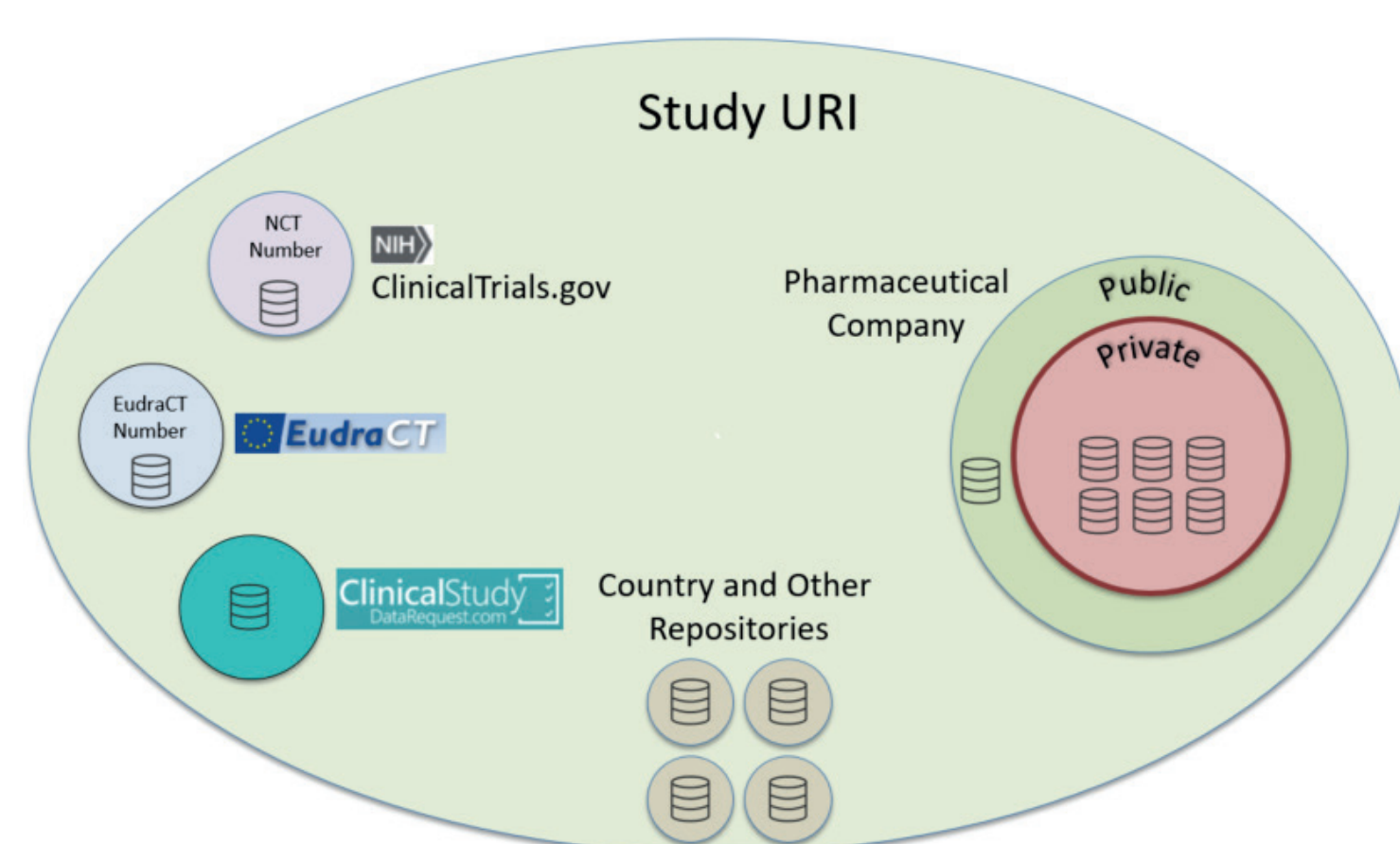
- A unique, immutable Study ID

- Links across repositories

- Returns information
 - Context dependent!

- Value for Patients, Researchers, Agencies, Companies

<https://github.com/phuse-org/LinkedDataEducation/blob/master/doc/StudyURI.md>



Wikidata as a Study URI Platform?

- Existing Infrastructure
- Community
- Process
- 27k studies already in Wikidata
<http://tinyurl.com/yxqlegy3>

Study URI as a WikiProject?

- <https://www.wikidata.org/wiki/Wikidata:WikiProjects>
- Setup a 3 day workshop with stakeholders?