

How are we using the word Ontology

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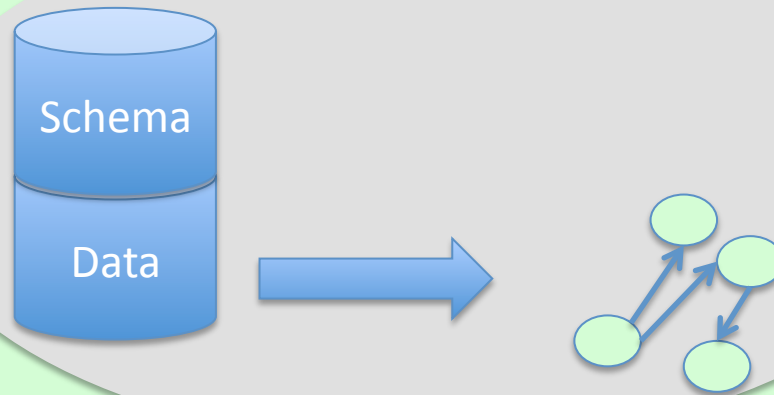
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Scenerios

- Create RDF and no Ontology
 - We only care about the data
 - Where do the predicates come from?
 - `<ex:Person1><ex:enrolledIn><ex:Course1>`
 - Where does `ex:enrolledIn` come from?
 - How can you query if you don't know the ontology (schema)?
 - Who needs this? Use-case?

The Semantic Web

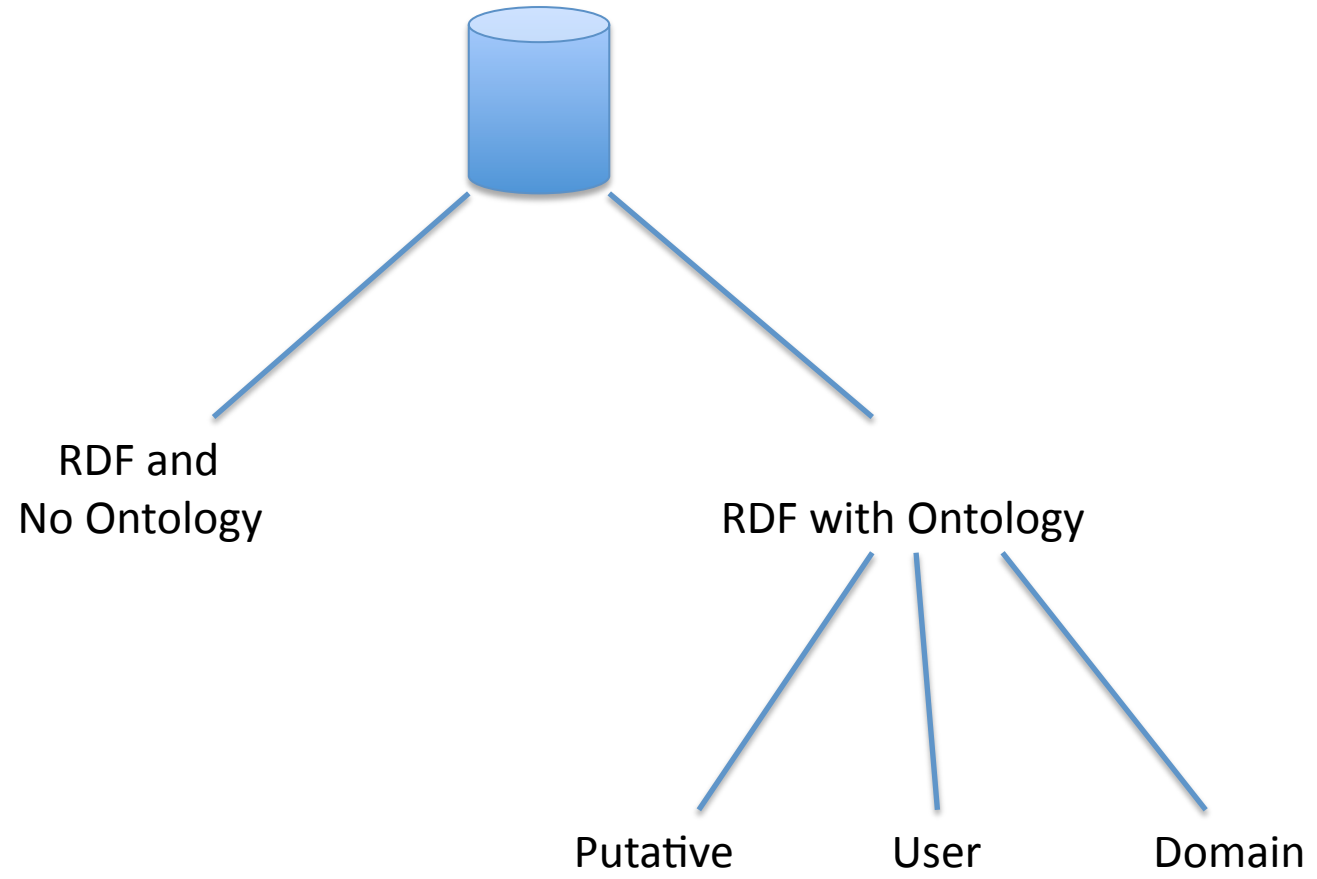
My Relational Database

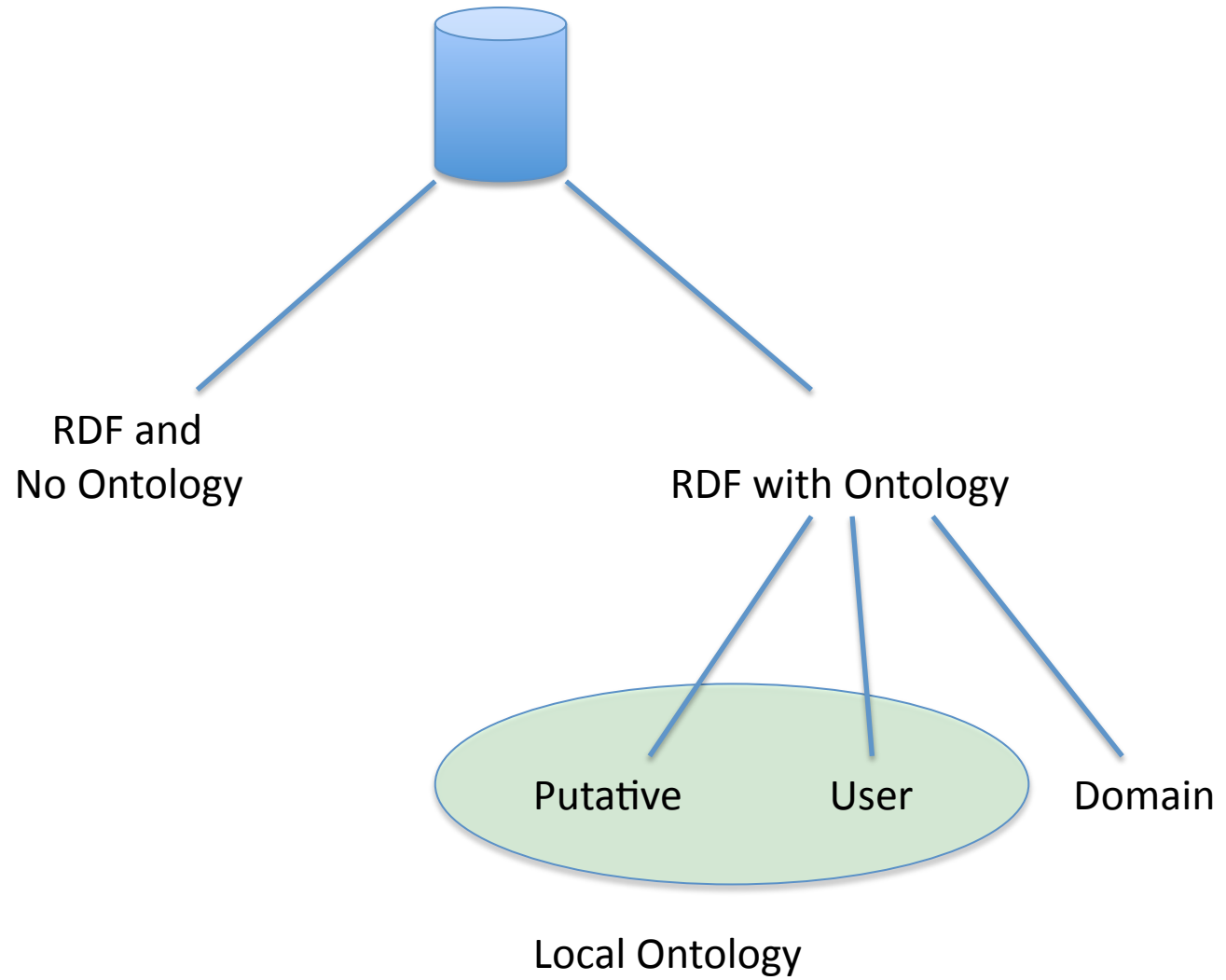


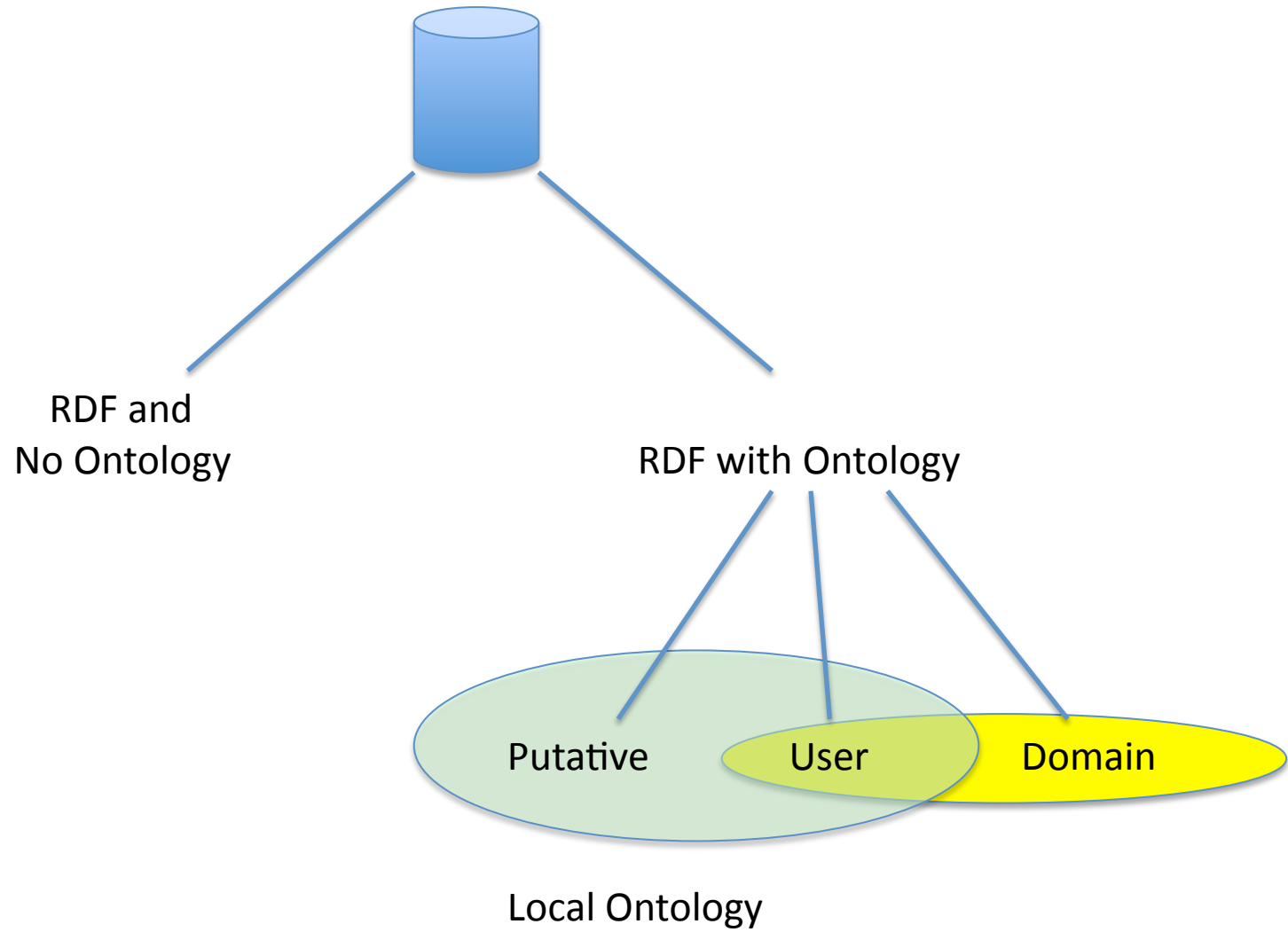
Scenarios

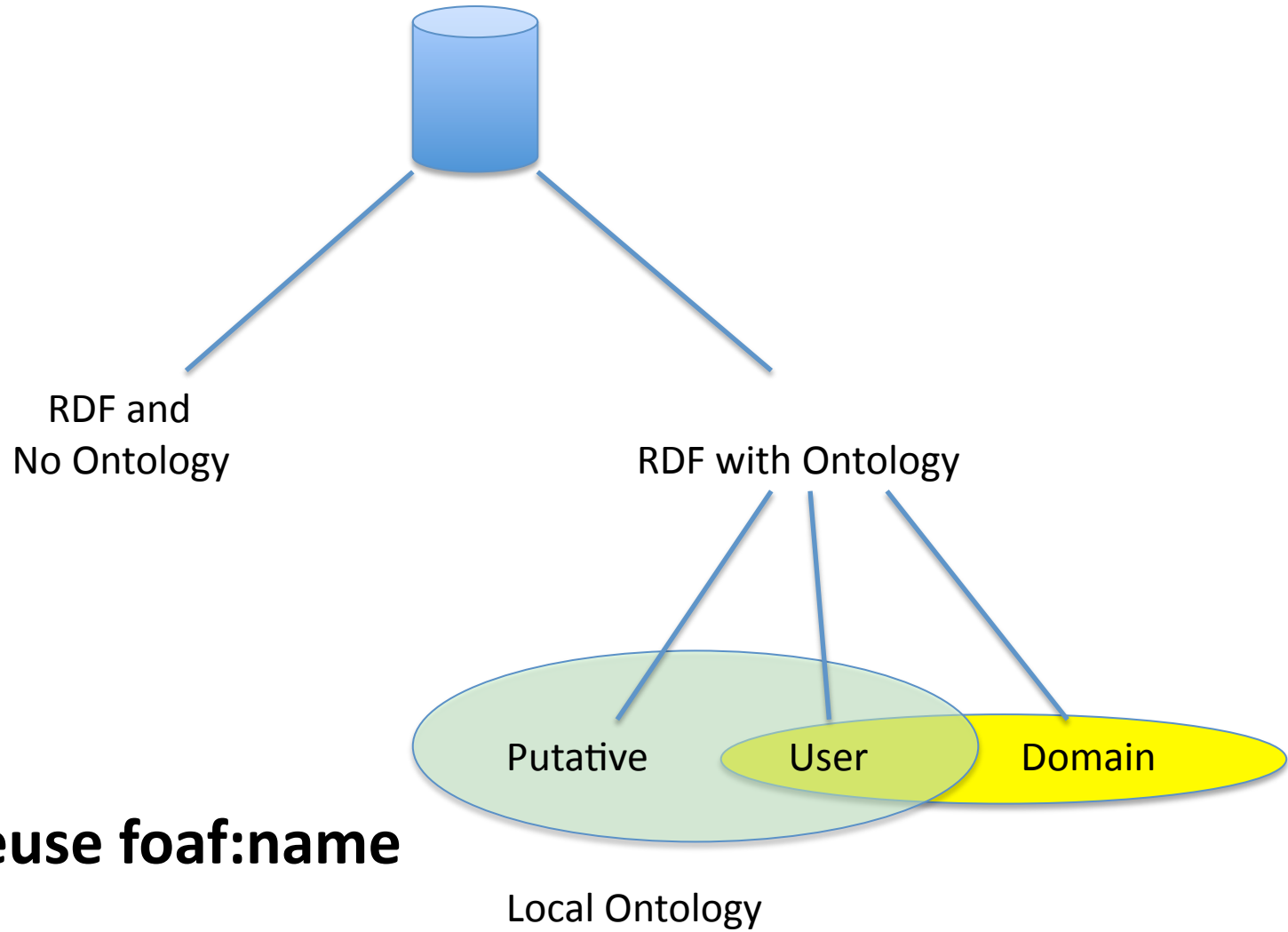
- Create RDF with the Ontology
 - Ontology can be **putative**
 - I don't care about the ontology, just create something automatically from the schema
 - Should be mapped later on to existing domain ontologies
 - Ontology can be made by **user** just for this database
 - Instead of generating a putative ontology, I'll create my own ontology specifically for this database
 - Ontology can be authoritative (**domain**)
 - I'm going to reuse a domain ontology (FOAF, SIOC, etc)

So when we use the word
“ontology” what are we meaning?



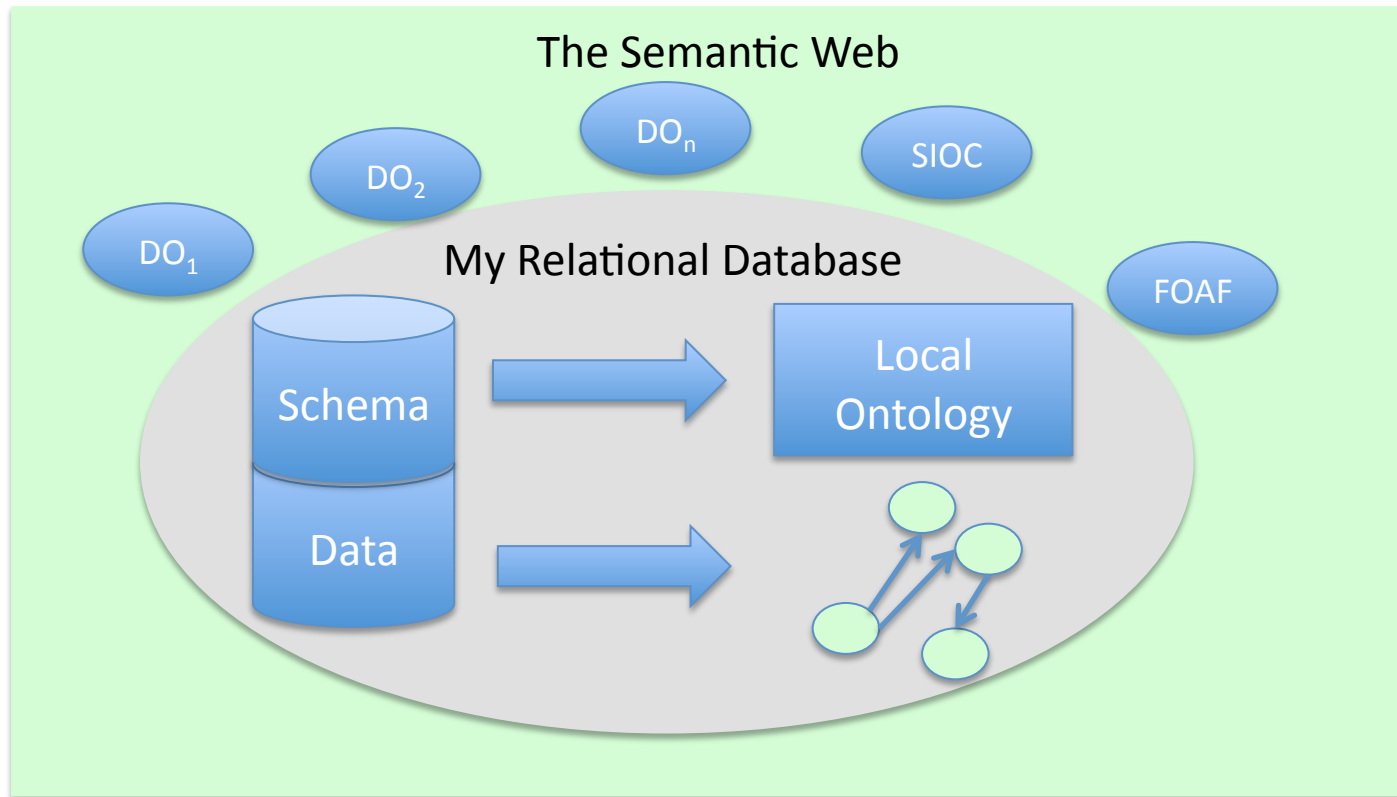






When I reuse foaf:name

WHICH SCENARIO AM I IN?



Local
Ontology

=

DO

DO = Domain Ontology: an ontology developed by a higher authority (domain experts) and intended to be accepted by the community

Local
Ontology

=

PO

PO = Putative Ontology: an ontological model (meaning concept) of the database schema. Usually derived automatically from the schema

Local
Ontology

=

UO

UO = User Ontology: a manually defined ontology for the purpose of presenting the logical view of the database.

We already have a glossary, but we
all need to be conceptually on the
same page