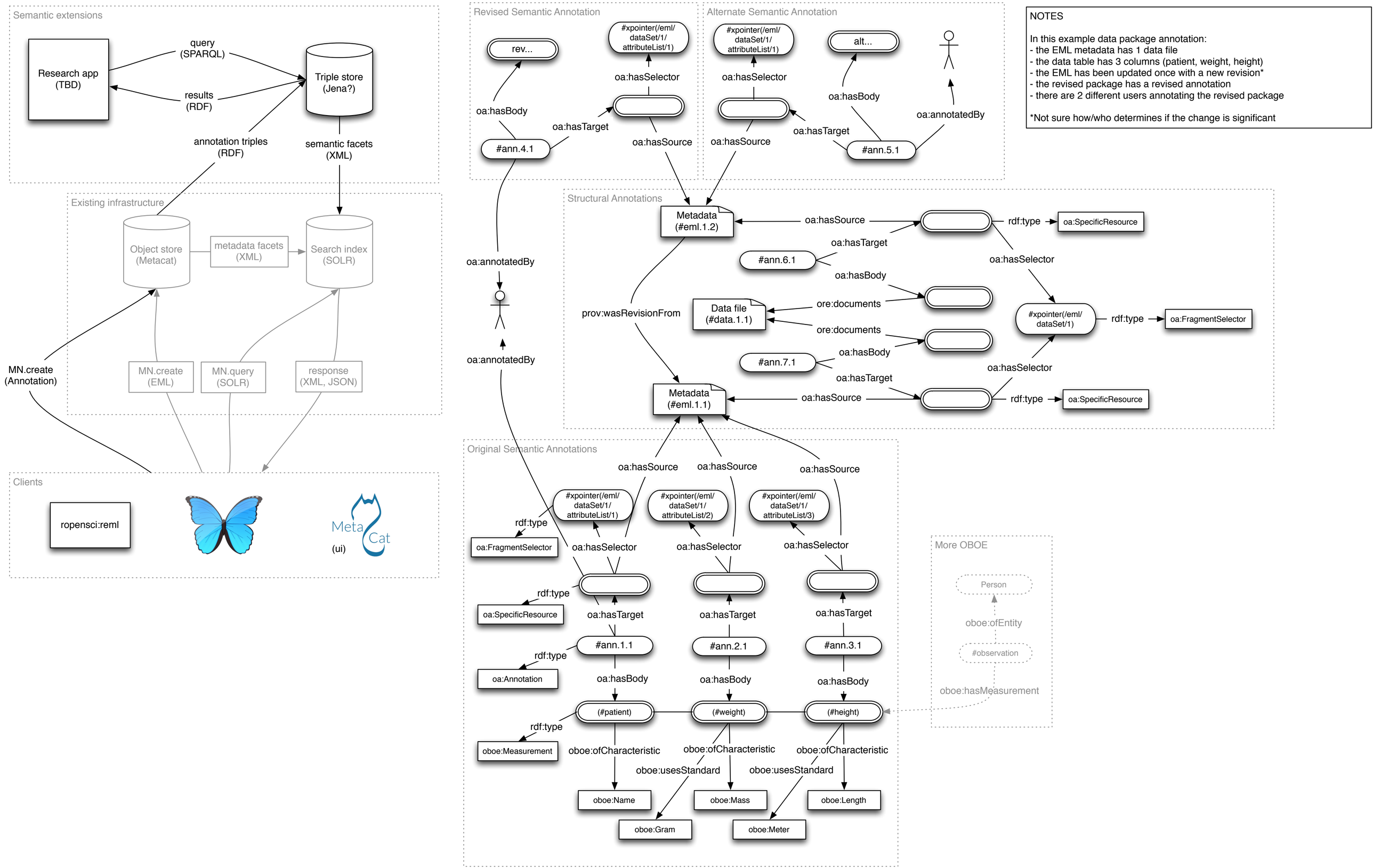
Semantic extensions
Research app (TBD)
query (SPARQL)
results (RDF)
Triple store (Jena?)
annotation triples (RDF)
semantic facets (XML)
Existing infrastructure
Object store (Metacat)
metadata facets (XML)
Search index (SOLR)
MN.create (Annotation)
MN.create (EML)
MN.query (SOLR)
response (XML, JSON)
Clients
ropensci:reml
Meta Cat
(ui)
Revised Semantic Annotation
rev...
#xpointer(/eml/dataSet/1/attributeList/1)
oa:hasSelector
oa:hasBody
oa:hasTarget
oa:hasSource
#ann.4.1
Alternate Semantic Annotation
#xpointer(/eml/dataSet/1/attributeList/1)
oa:hasSelector
alt...
oa:hasBody
oa:annotatedBy
oa:hasSource
oa:hasTarget
#ann.5.1
NOTES
In this example data package annotation:
- the EML metadata has 1 data file
- the data table has 3 columns (patient, weight, height)
- the EML has been updated once with a new revision*
- the revised package has a revised annotation
- there are 2 different users annotating the revised package
*Not sure how/who determines if the change is significant
oa:annotatedBy
oa:annotatedBy
Structural Annotations
Metadata (#eml.1.2)
oa:hasSource
rdf:type
oa:SpecificResource
oa:hasTarget
#ann.6.1
oa:hasSelector
oa:hasBody
prov:wasRevisionFrom
Data file (#data.1.1)
ore:documents
ore:documents
#xpointer(/eml/dataSet/1)
rdf:type
oa:FragmentSelector
oa:hasBody
#ann.7.1
oa:hasSelector
oa:hasTarget
Metadata (#eml.1.1)
oa:hasSource
rdf:type
oa:SpecificResource
Original Semantic Annotations
oa:hasSource
oa:hasSource
oa:hasSource
#xpointer(/eml/dataSet/1/attributeList/1)
#xpointer(/eml/dataSet/1/attributeList/2)
#xpointer(/eml/dataSet/1/attributeList/3)
rdf:type
oa:FragmentSelector
oa:hasSelector
oa:hasSelector
oa:hasSelector
rdf:type
oa:SpecificResource
oa:hasTarget
oa:hasTarget
oa:hasTarget
#ann.1.1
#ann.2.1
#ann.3.1
rdf:type
oa:Annotation
oa:hasBody
oa:hasBody
oa:hasBody
(#patient)
(#weight)
(#height)
rdf:type
oboe:Measurement
oboe:ofCharacteristic
oboe:ofCharacteristic
oboe:ofCharacteristic
oboe:usesStandard
oboe:usesStandard
oboe:Name
oboe:Mass
oboe:Length
oboe:Gram
oboe:Meter
More OBOE
Person
oboe:ofEntity
#observation
oboe:hasMeasurement