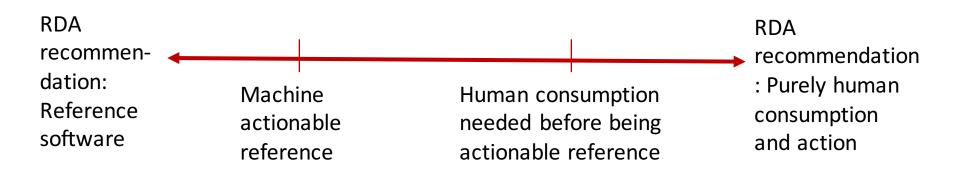
## Data Fabric: building a testbed fabric inductively

Beth Plale Indiana University

## Objective

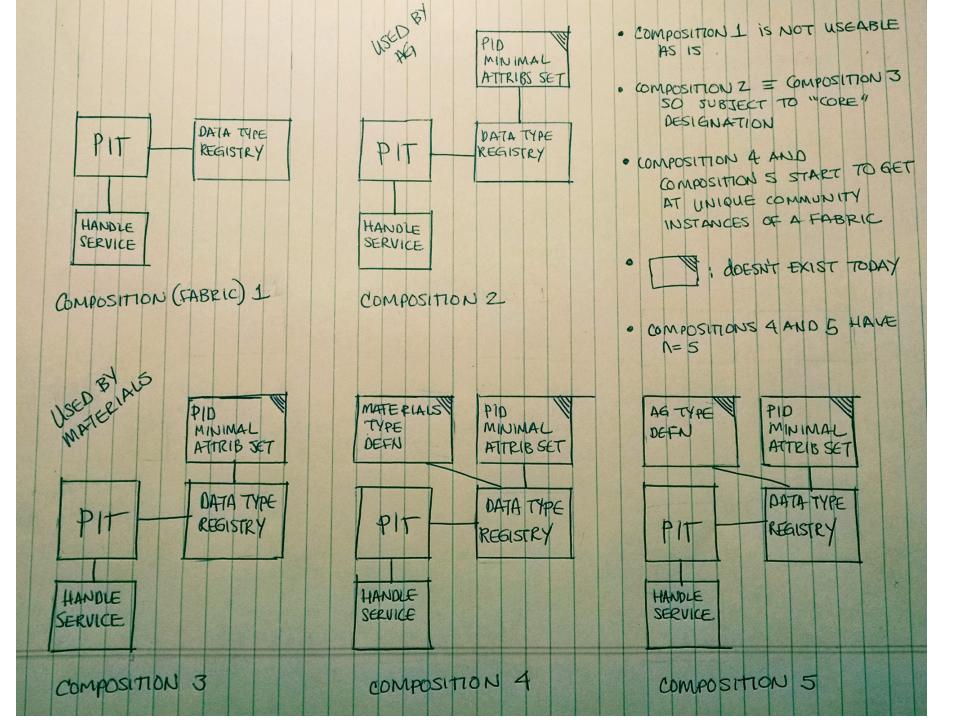
- Testbed composition: assemble a fabric inductively one RDA recommendation at a time (n=1, n=2 where n=fabric component)
- Why? Increase number of shared infrastructure practices in US that leverage RDA products (increased adoption and visibility of RDA in US)

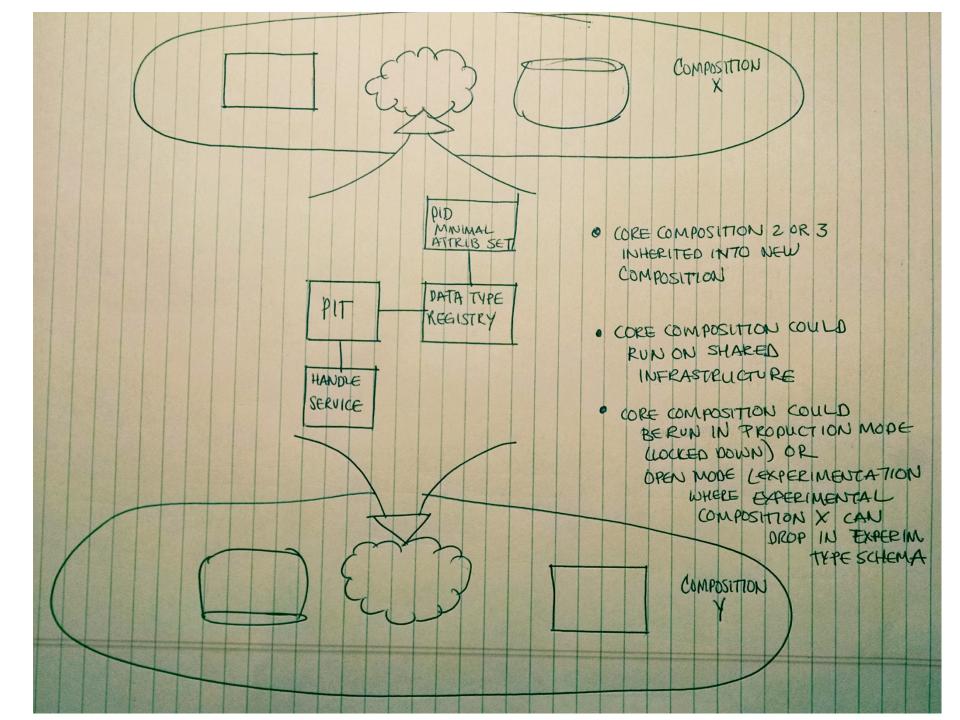
# Narrow definition of RDA recommendations that contribute to data fabric

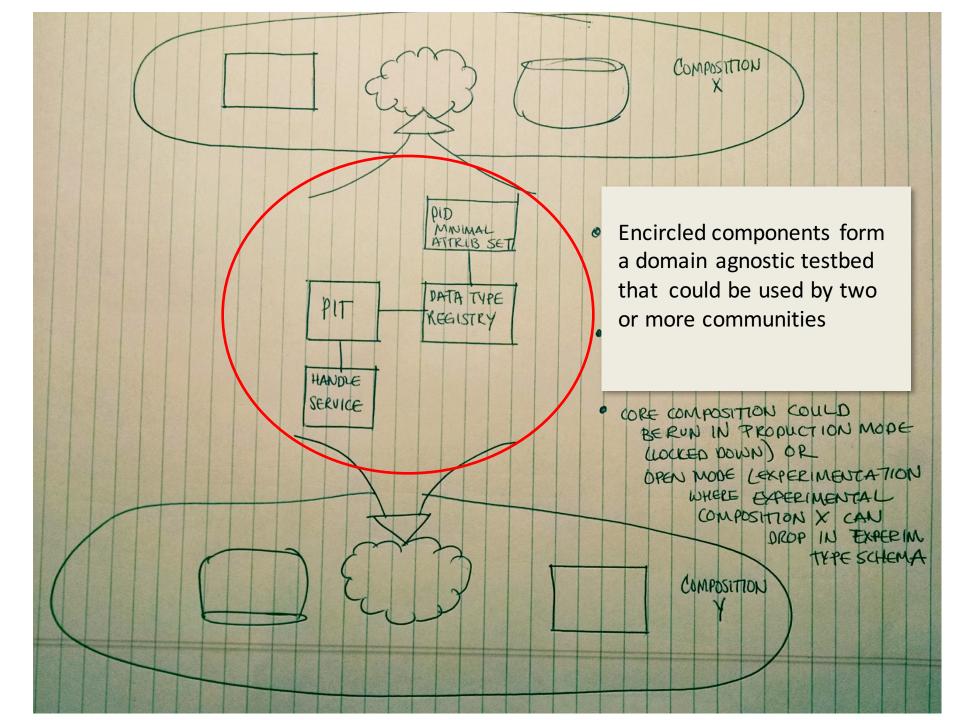


### **Build tiny fabric (start small)**

- Pulled components into single configuration for broad experimental use
- RDA PIT WG Recommendation and RDA
   Data Type Registry Recommendation are
   starting point because both are among few
   current RDA ouputs that have reference
   software







## Bringing visibility to food security data results: harvests of PRAGMA and RDA Beth Plale, Indiana Univ, USA; Jason Haga, AIST, Japan

- Launch use of two RDA products in Asia by utilizing PRAGMA community and tools to work with new rice genome group in Philippines and implement software services at AIST (Japan) using outputs of PID Information Types and Data Type Registries Working Groups
- Software will be installed additionally at National Data Service in US to stimulate US adoption







## Bringing visibility to food security data results: harvests of PRAGMA and RDA

Beth Plale, Indiana University, USA; Jason Haga, AIST, Japan



Rice genome variant discovery

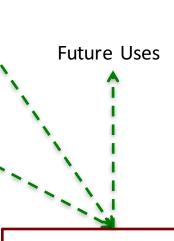
Research Data Sharing









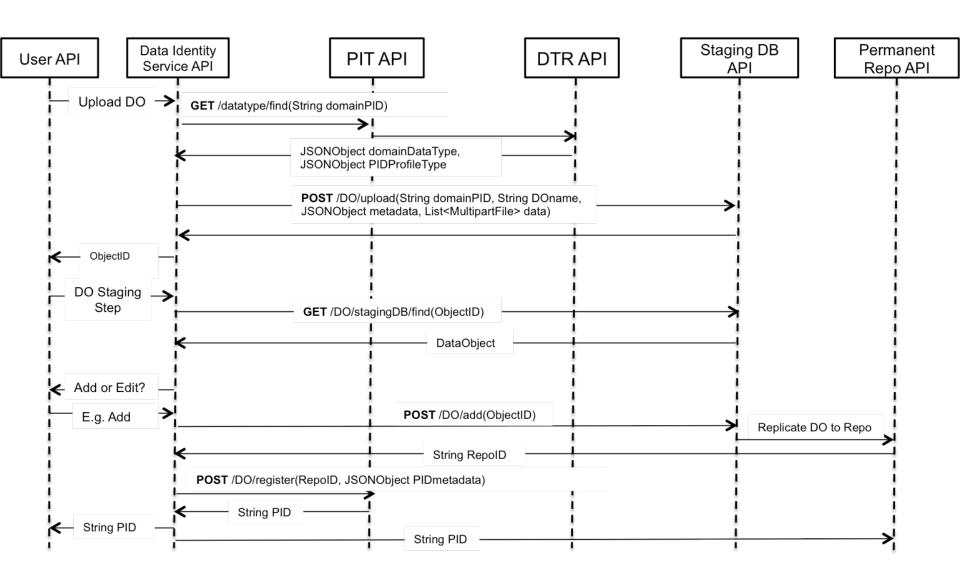




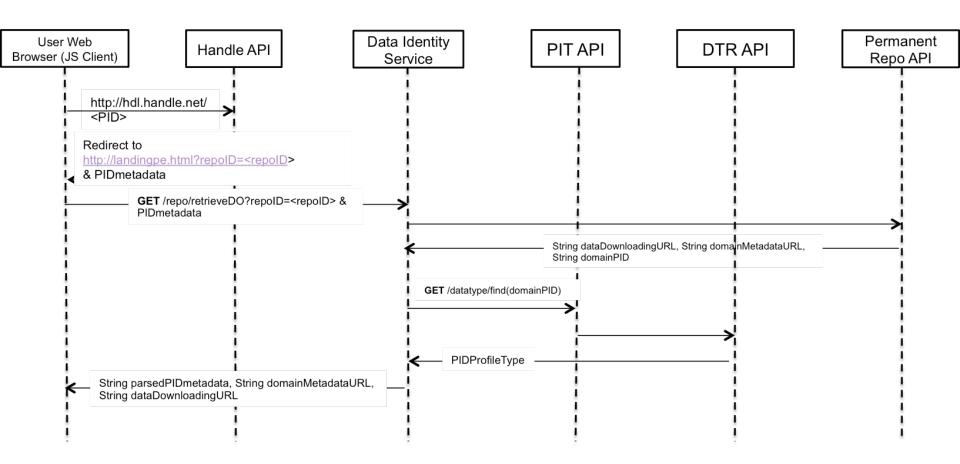




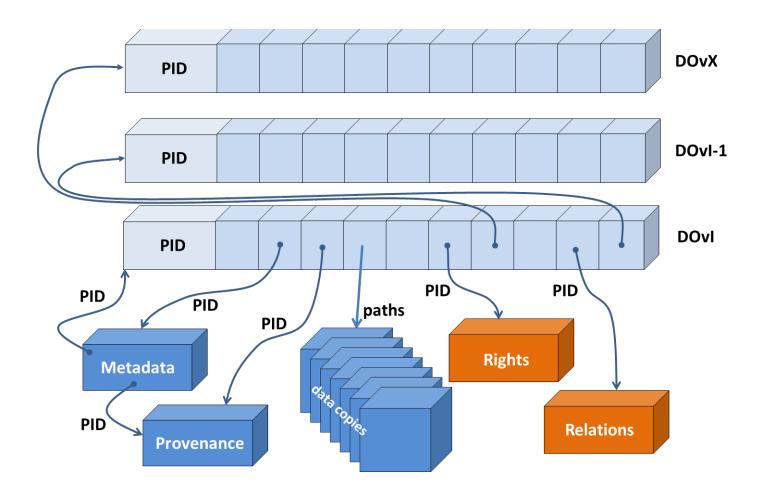
## Component interaction: ingest



## Component interaction: retrieval



#### PID minimal metadata



• Let's agree on types that are used to minimally define the metadata (attributes) associated with a PID

### **Next Steps**

- Reflect feedback from Nottingham Jun 2016 meeting into prep for P8 session
- P8 Denver session:
  - Define minimal metadata for PID: what can be known about a record/dataset simply by resolving a PID
  - Discuss testbed
- Sep 2016: RDA Europa training: perspectives on PID