

Rethinking Numismatic Description at Princeton University

Metadata Analysis
and Recommendations

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Project Goals

- Improved performance
- Data interoperability (e.g. OCRE, CRRO)
- Field definitions
- Indexing (e.g. search by weight)
- Exposure in Blacklight, Google

Project Goals: The Role of TS

- Improved performance,
Field definitions
 - **Develop a Data Model**
- Data interoperability (e.g. OCRE, CRRO)
 - **Map onto Domain-Specific Ontology/ies**
 - **Facilitate output in interoperable metadata format**
- Retrospective data conversion/cleanup

Project Goals: The Role of Systems

- DB implementation
- Indexing
- Exposure in Blacklight, Google

TS Proof of Concept

- Data model: FRBRoo
- Ontology: Nomisma(+)
- Stable Identifiers:
 - Nomisma
 - VIAF
 - LC
 - Wikidata
 - ... mint our own?
- Serialization considerations:
 - NUDS/XML
 - RDF/XML
 - JSON-LD
 - Turtle

Metadata Principles

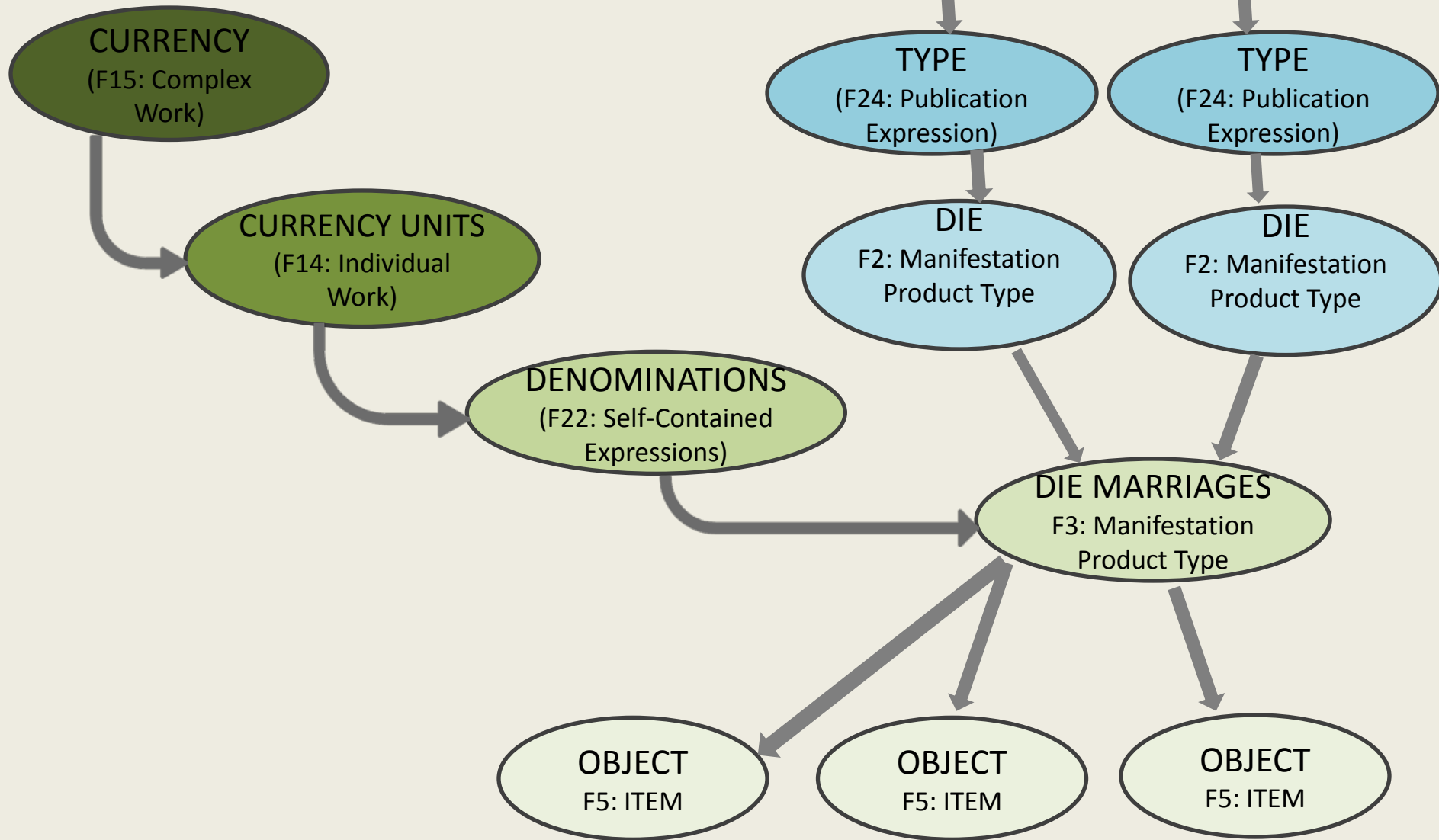
FAIR Data:

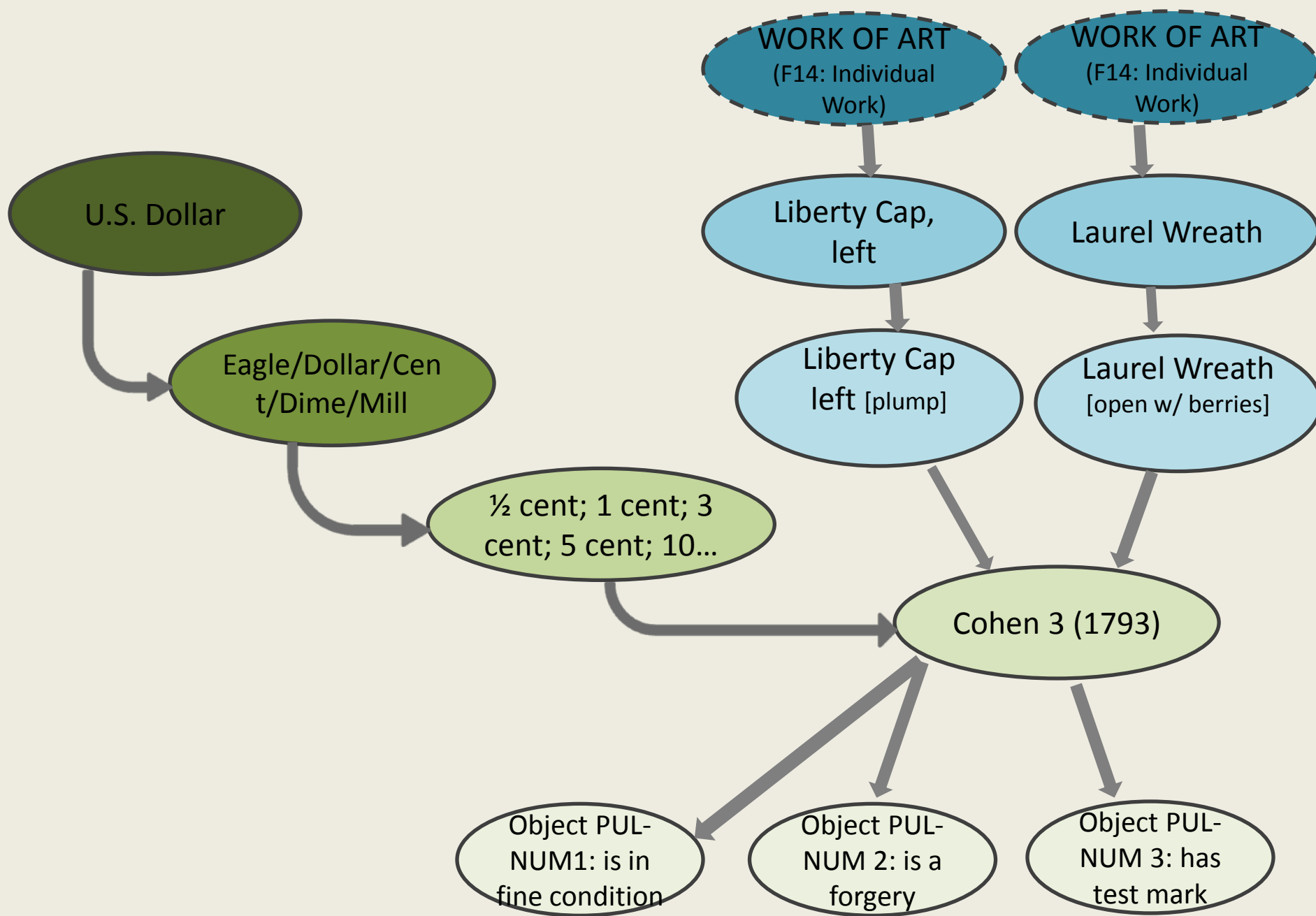
- Findable
- Accessible
- Interoperable
- Re-Usable

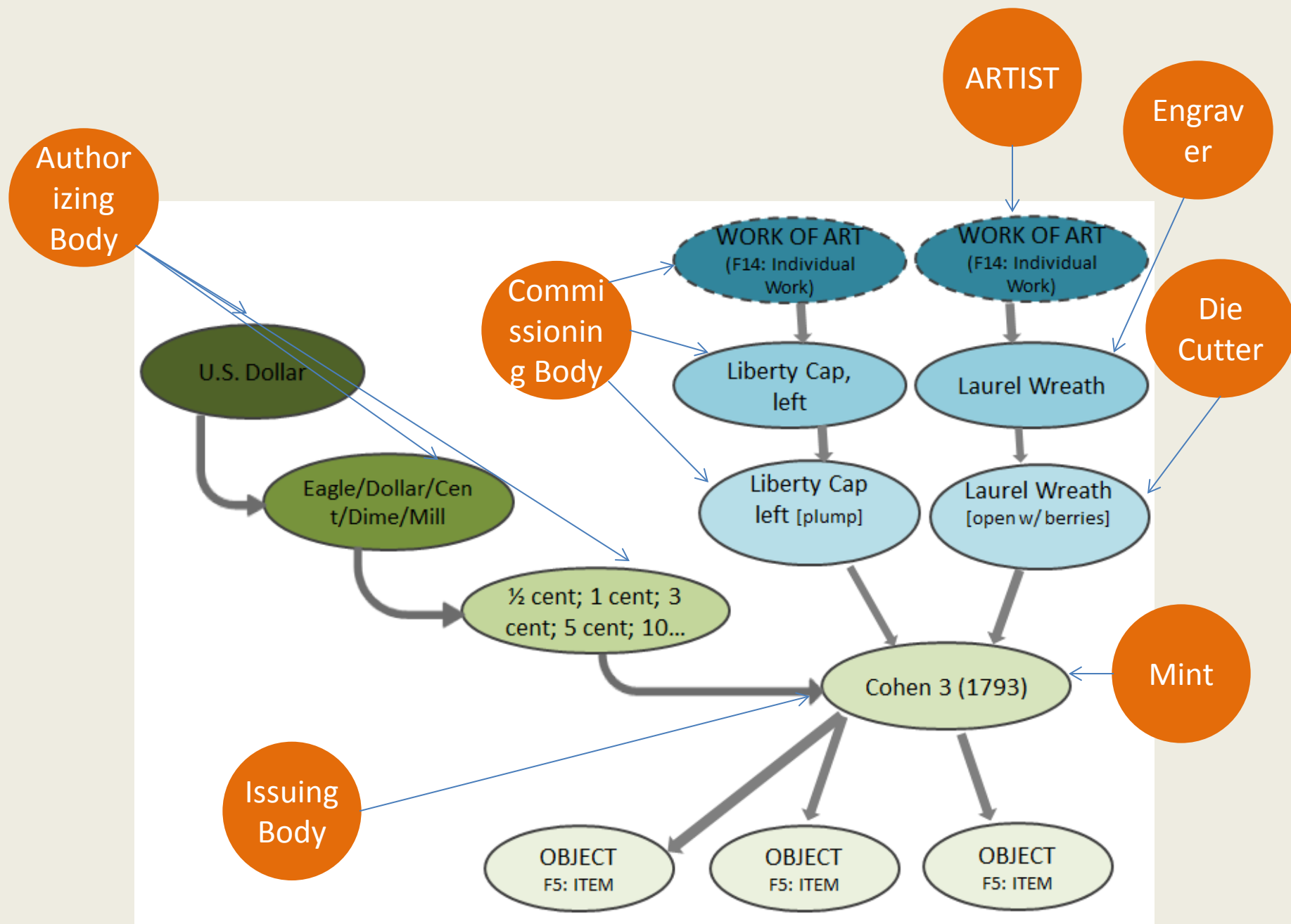
About Linked Open Data

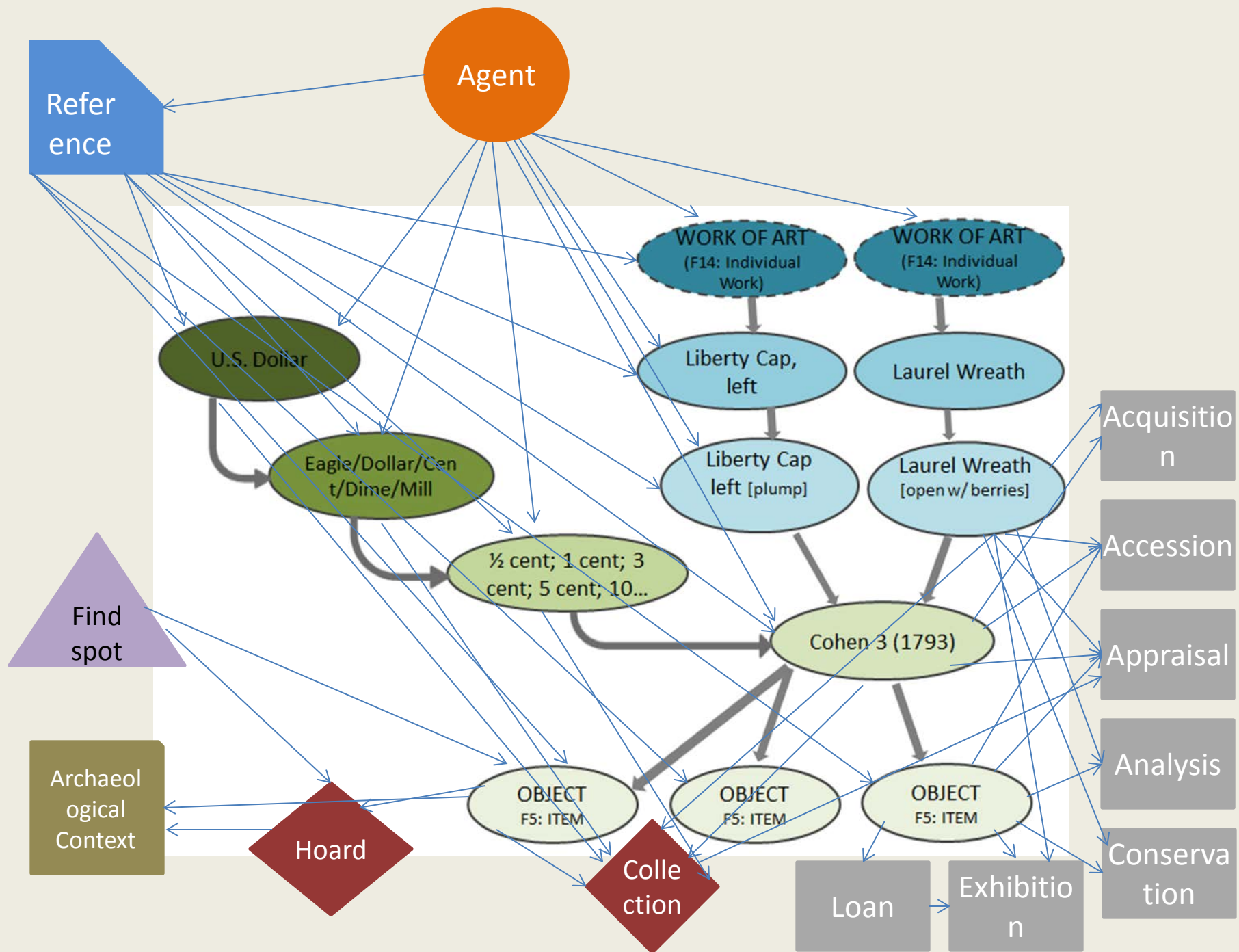
- Conceptual “things” are identified by HTTP URIs
- Statements about things are in machine-readable subject-verb-object format (“triples”)
- This facilitates semantic queries of multiple external data sources

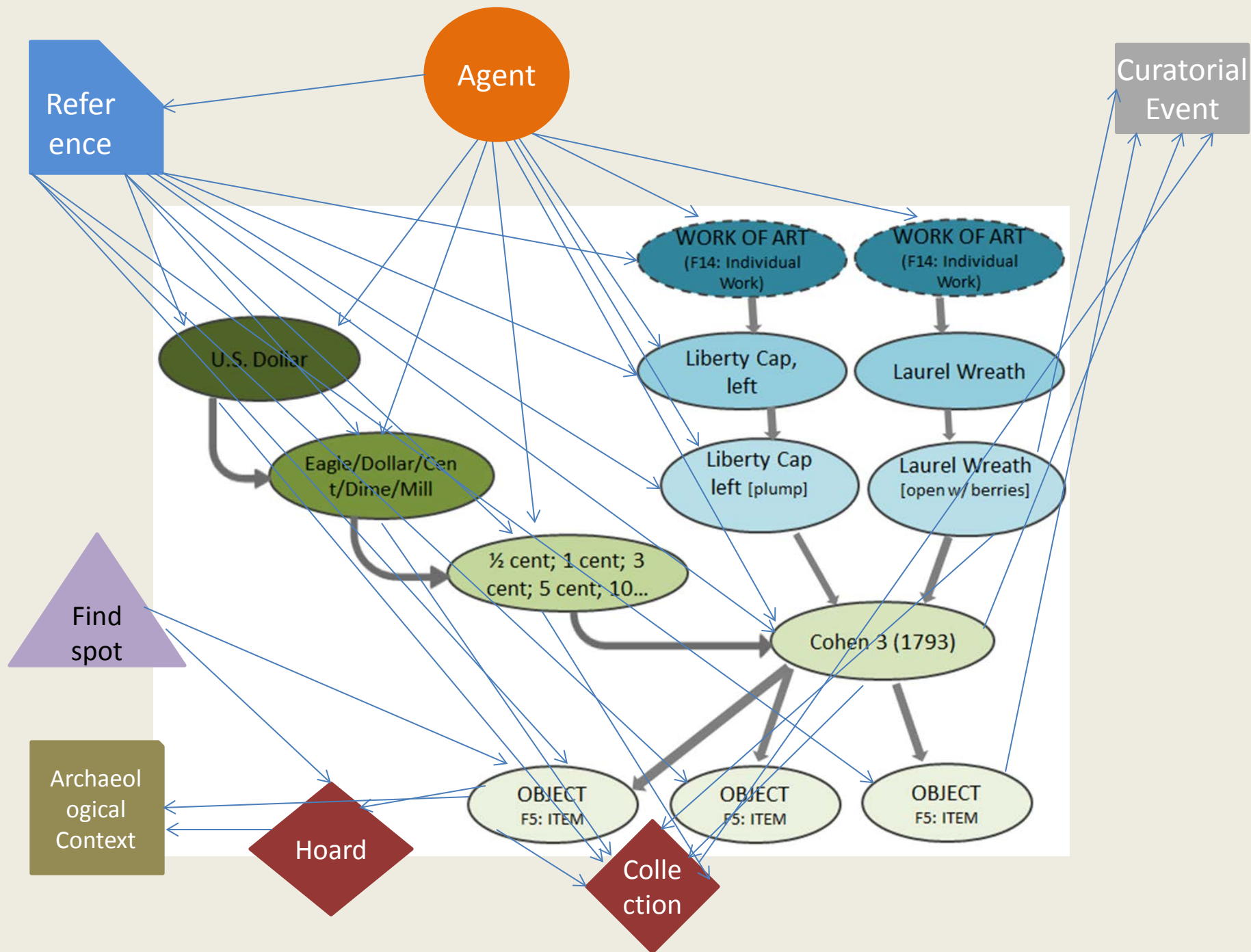
The Data Model

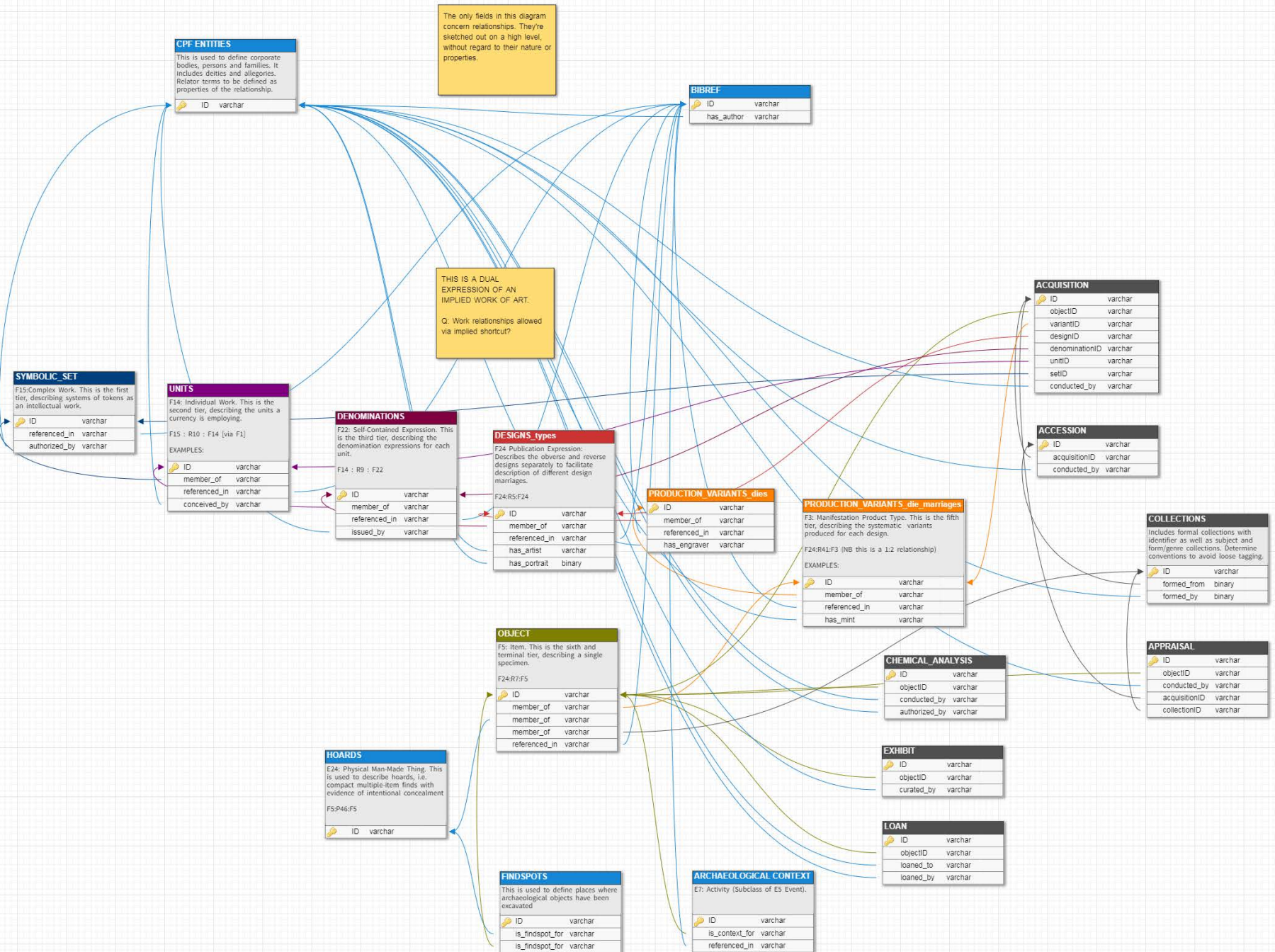




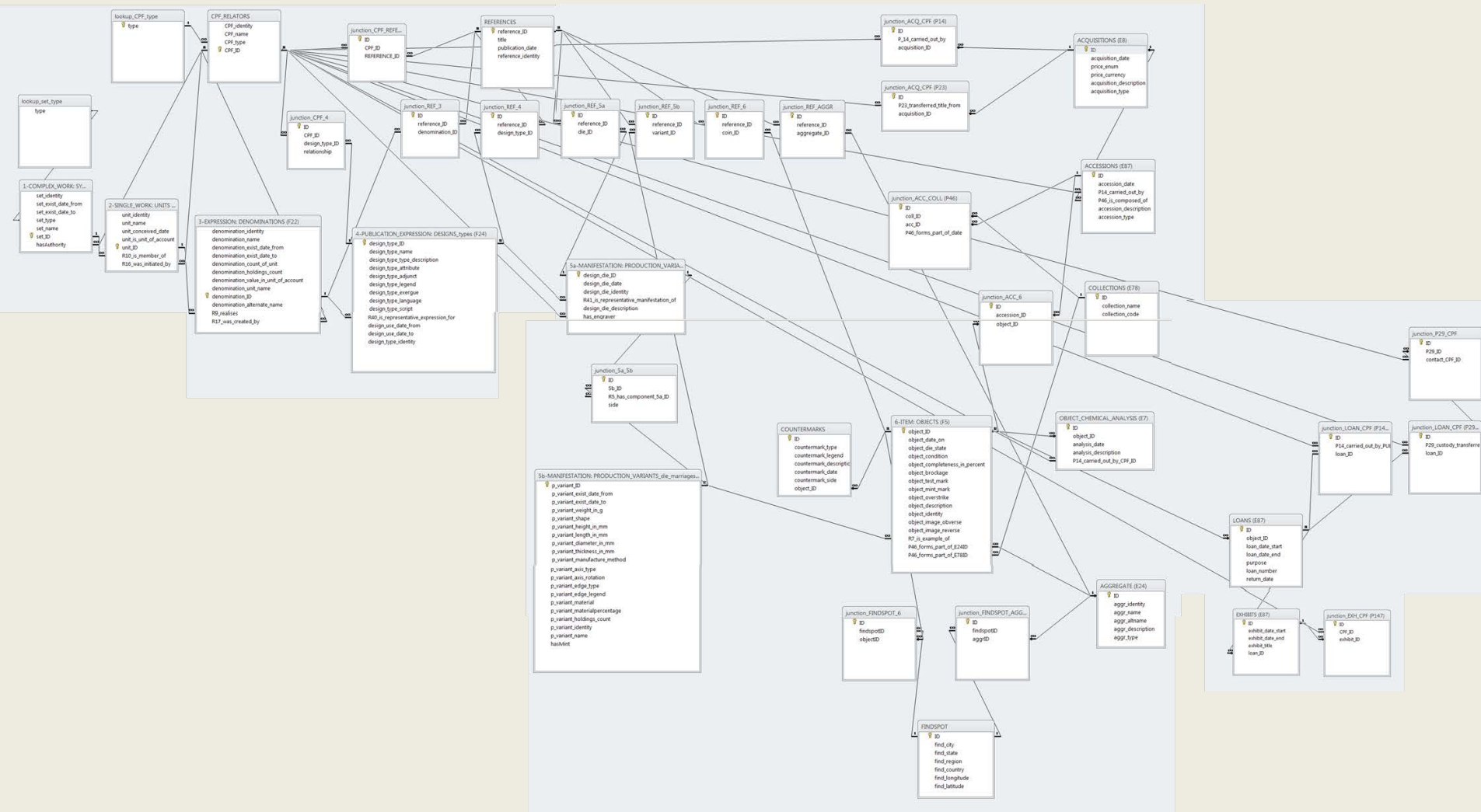








A (Very) Dirty Implementation in Access



Next Steps

- Review/final revisions by Numismatics staff
- Review by RBSC-SSC for Implementation
- Consult with Systems during Implementation
- Retrospective data cleanup for ingestion in new System

Timeline

- Curatorial review – short?
- Lead to SSC approval – short? (hard to say)
- Implementation – (depends on Systems; my guess would be 6-12 months from start of work)
- Data cleanup – (concurrent with Systems implementation; estimated 6-12 months)

Alternative: Linked Open Data Editors

cedar.metadatacenter.org