Sample Feedback

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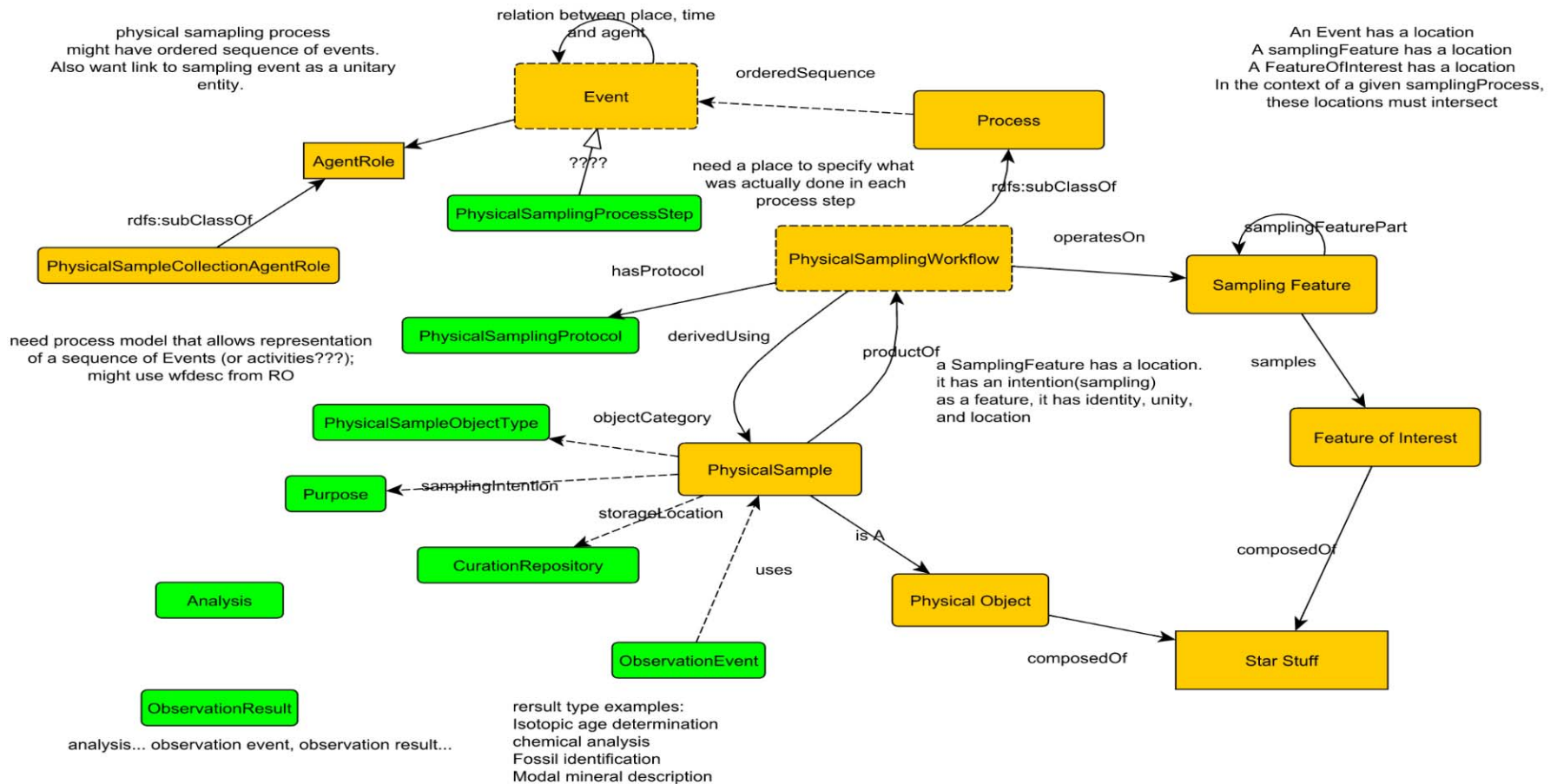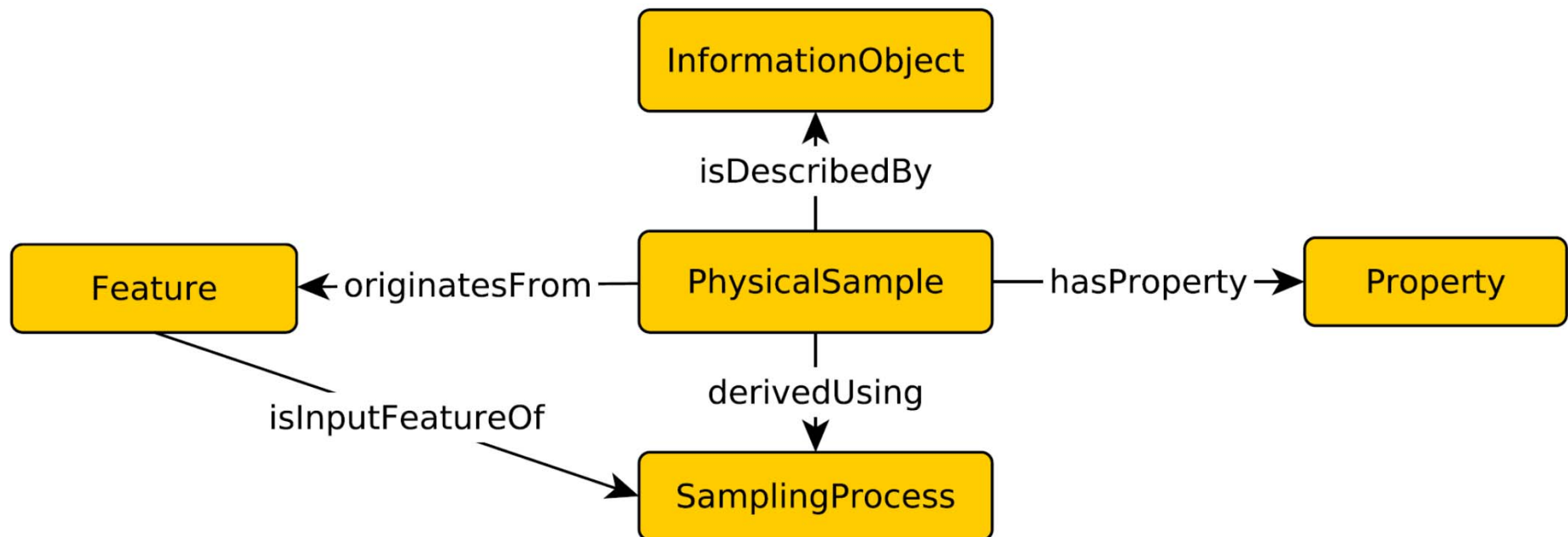**Wright State University**

http://daselab.org

Our Working day 2 Conceptual Model

physical samapling process
might have ordered sequence of events.
Also want link to sampling event as a unitary
entity.

relation between place, time
and agent

An Event has a location
A samplingFeature has a location
A FeatureOfInterest has a location
In the context of a given samplingProcess,
these locations must intersect

Event

orderedSequence

Process

AgentRole

????

rdfs:subClassOf

PhysicalSamplingProcessStep

need a place to specify what
was actually done in each
process step

rdfs:subClassOf

PhysicalSampleCollectionAgentRole

samplingFeaturePart

operatesOn

PhysicalSamplingWorkflow

hasProtocol

Sampling Feature

need process model that allows representation
of a sequence of Events (or activities???);
might use wfdesc from RO

PhysicalSamplingProtocol

derivedUsing

productOf

a SamplingFeature has a location.
it has an intention(sampling)
as a feature, it has identity, unity,
and location

samples

PhysicalSampleObjectType

objectCategory

Feature of Interest

Purpose

samplingIntention

PhysicalSample

storageLocation

CurationRepository

uses

is A

composedOf

Analysis

Physical Object

ObservationEvent

composedOf

Star Stuff

ObservationResult

analysis... observation event, observation result...

rersult type examples:
Isotopic age determination
chemical analysis
Fossil identification
Modal mineral description

WRIGHT STATE
UNIVERSITY

A minimalistic sample draft

Our Working day 2 Conceptual Model
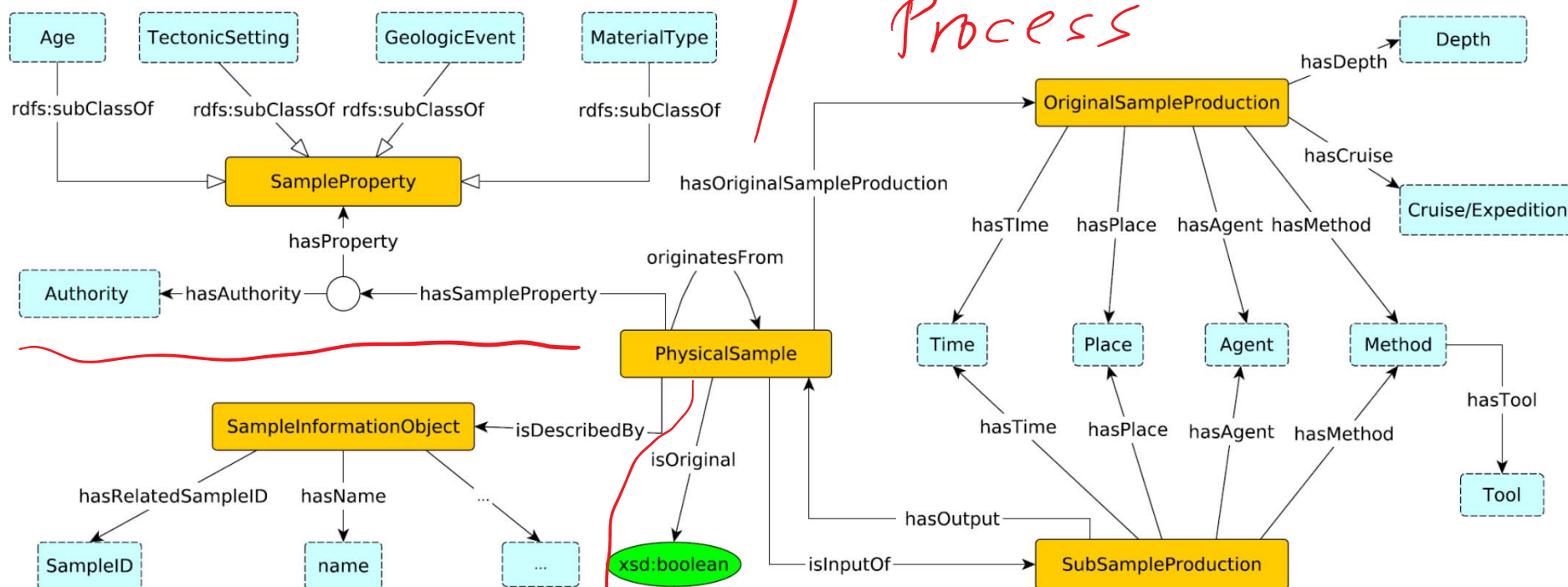
Another sample draft
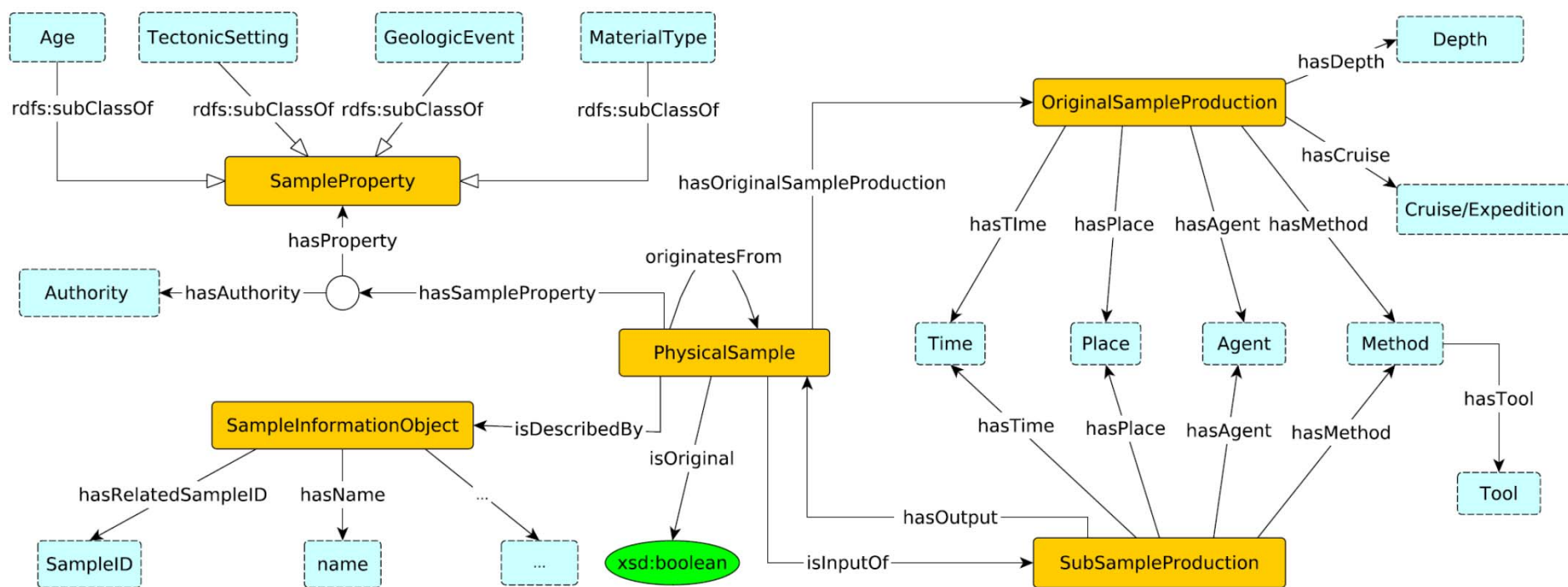
Acknowledgement: Many GeoLink project participants

Another sample draft
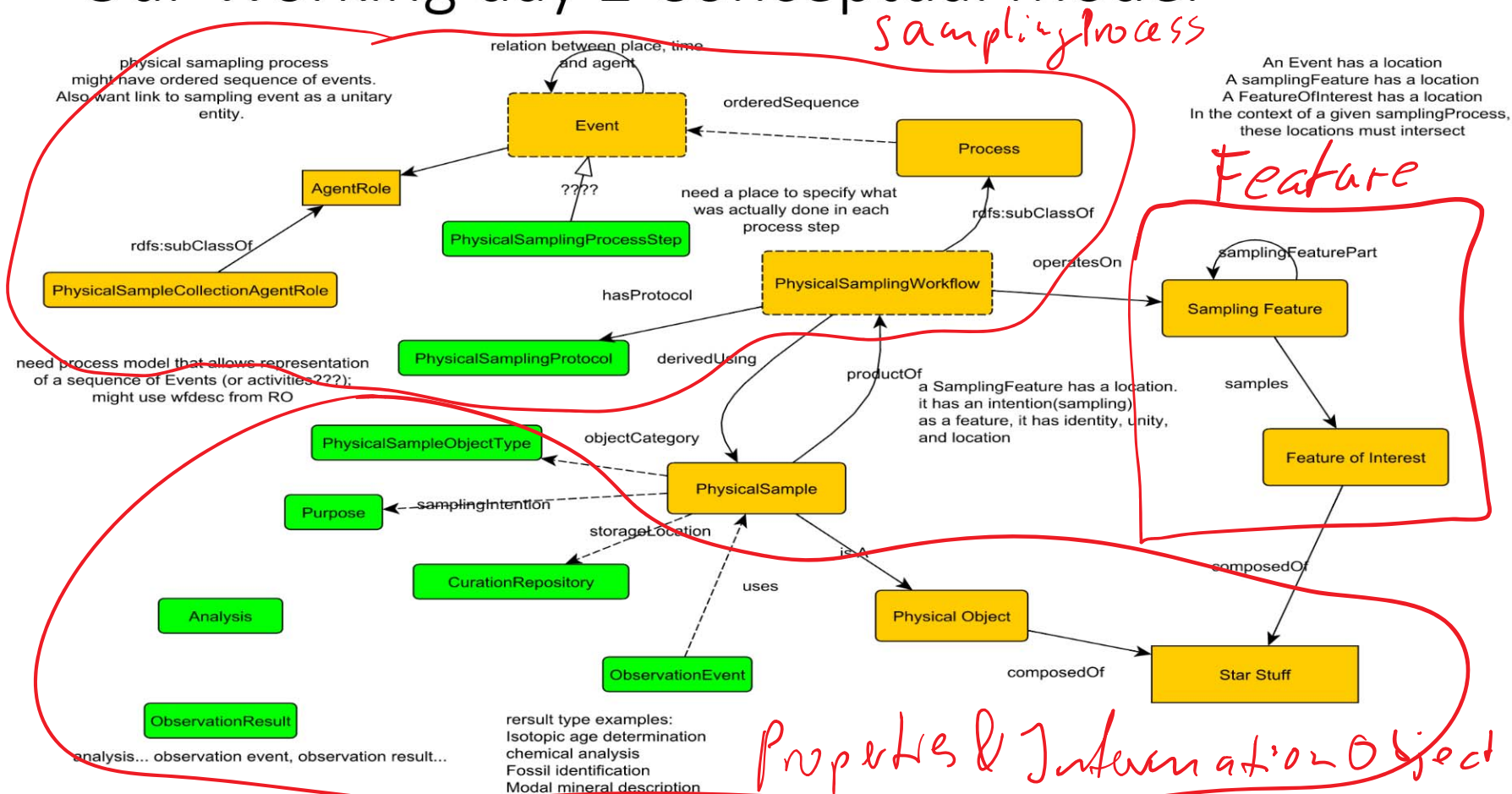

Property

¿¡? Feature?

Process

Information Object

Acknowledgement: Many GeoLink project participants

Our Working day 2 Conceptual Model

Suggestions

- **Separate InformationObject and Sample Properties**
- **Revisit all four parts**
  - **InformationObject**
  - **SampleProperties**
  - **Feature**
  - **SamplingProcess**

  separately, making sub-patterns.
- **When doing so, focus on shared essentials, less is probably more at this stage.**
- **Seek guidance by concrete available data, and focus on the main issues addressing the competency questions, leaving placeholders (stubs) for more fine-grained modeling.**