

## **DASISH 3.2 – Core Domain Models for the QVDB and the QDDT**

### **V. 1 as of 2015-01-05**

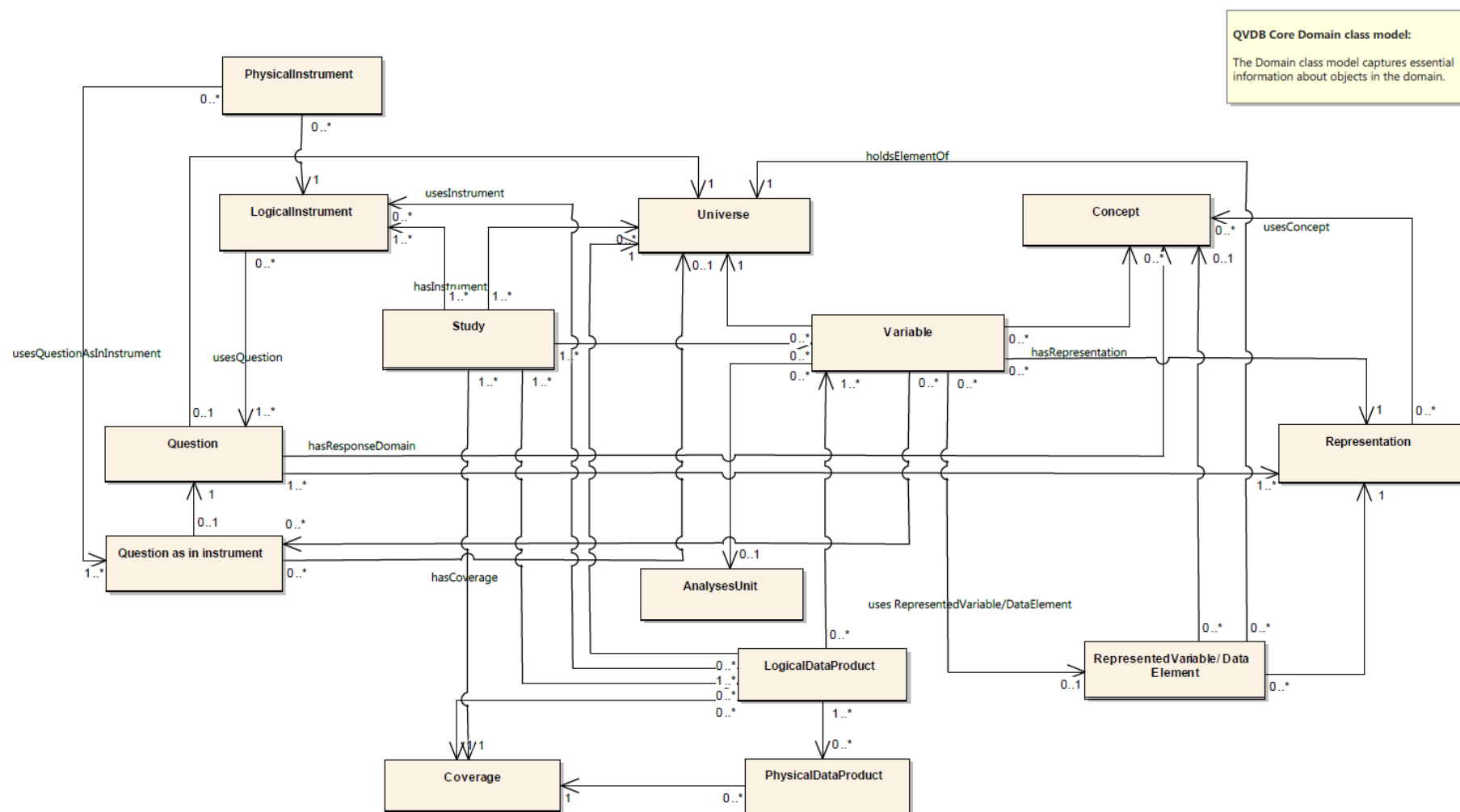
The models below for the QVDB and the QDDT are high level UML models displaying the main objects of the tools, their relationships and functionalities.

Directed arrows are used to indicate the relationships, while functionalities are indicated with text associated with the directed arrows.

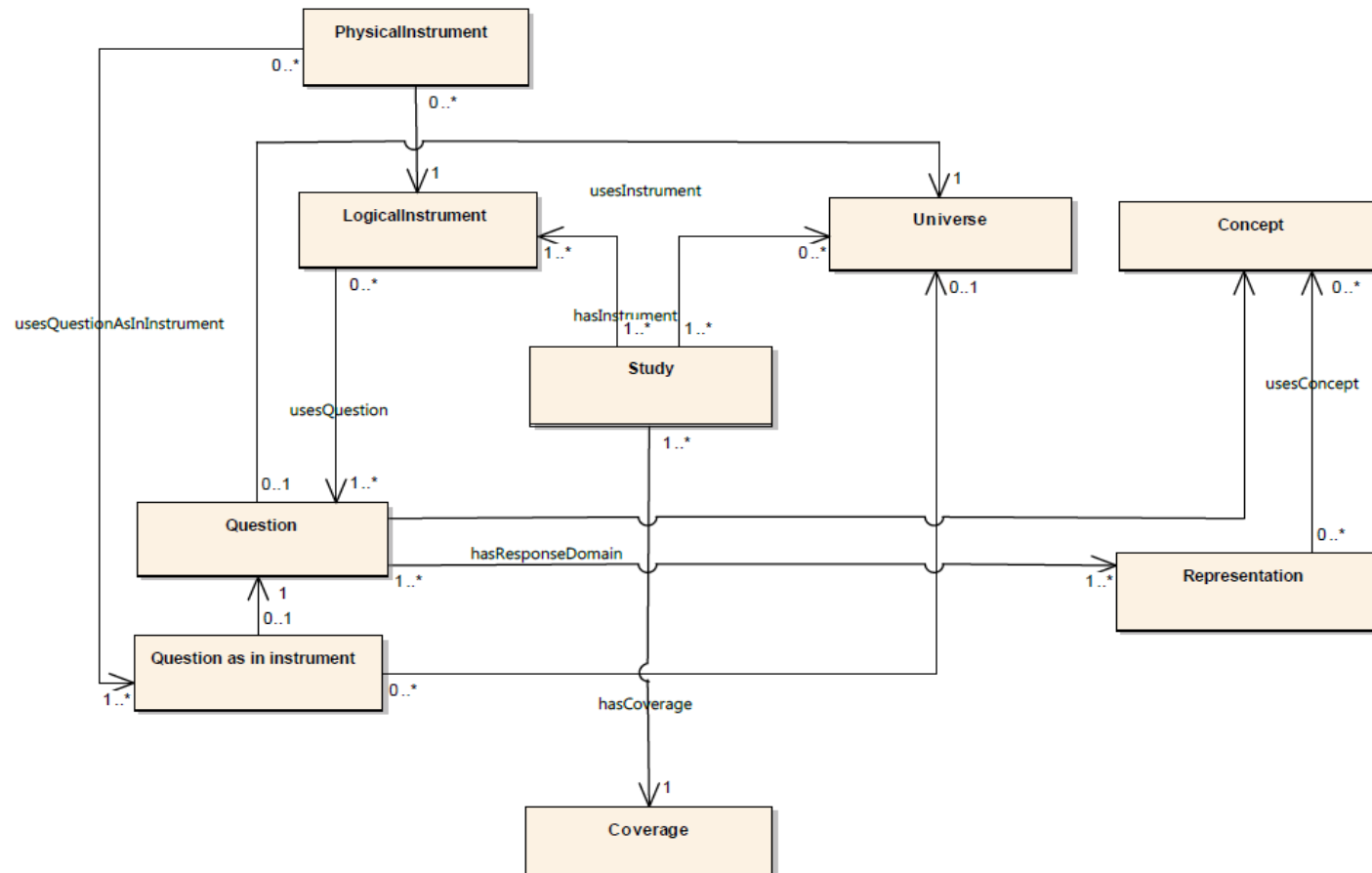
The models are based on DDI 3.2. Some of the DDI based objects have different names in the model then in DDI. The correspondence with DDI will be expressed in the definitions. Some objects in the models are not in DDI 3.2. This is indicated in their definitions as well. Definitions of the objects are found at the end of the document.

The QDDT model is an extract of the QVDB model. The objects Variable, RepresentedVariable, LogicalDataProduct , PhysicalDataProduct and AnalysesUnit exist only in the QVDB, while the other objects exist in both models.

## Core Domain Model for the QVDB



## Core Domain Model for the QDDT



## Definitions

### Objects based on DDI 3.2:

#### **AnalysisUnit**

Definition: Description or classification of the unit of analysis.

DDI 3.2 element: [AnalysisUnit](#).

#### **Concept**

Definition: Unit of thought

DDI 3.2 element: [Concept](#).

#### **Coverage**

Definition: Temporal, spatial and topical coverage.

DDI 3.2 element: [Coverage](#)

#### **LogicalDataProduct**

Definition: Logical (intellectual) contents of the quantitative data

DDI 3.2 element: [LogicalProduct](#)

#### **PhysicalDataProduct**

Definition: Physical aspects of data files

DDI 3.2 element: [PhysicalDataProduct](#)

#### **PhysicalInstrument**

Definition: Type of instrument used for data collection or capture. Has mode.

DDI 3.2 element: [Instrument](#)

### **Question**

Definition: Reusable format for use in any number of applied uses of individual research questions and question grids.

DDI 3.2 elements: [QuestionItem](#), [QuestionGrid](#)

### **QuestionAsInstrument**

Definition: The applied use of a question. Includes less reusable materials and information related to the question, and ties question content to the logic of the control constructs.

DDI 3.2 element: [QuestionConstruct](#)

### **Representation**

Definition: Describes the actual representation of the variables' values, or a response domain for a question.

DDI 3.2 elements: [ValueRepresentation](#), [ResponseDomain](#)

### **RepresentedVariable**

Definition: Contains the reusable parts of a variable (Representation, Concept, Universe).

DDI 3.2 element: [RepresentedVariable](#)

### **Study**

Definition: A primary packaging structure referencing metadata elements applicable to – or used in a particular study, round or wave.

DDI 3.2 element: [StudyUnit](#)

### **Universe**

Definition: Describes a universe which may also be known as a population.

DDI 3.2 element: [Universe](#)

**Variable**

Definition: This is the applied expression of a data item within a data set.

DDI 3.2 element: [Variable](#)

**Objects not in DDI 3.2:****LogicalInstrument**

Definition: Complete questionnaire design regardless of mode for an instrument - should have a relationship to control construct.