```
Agent
        GoalOrientedAgent
                IntelligentAgent
                         {\sf GoalDirectedAgent}
                         {\sf KnowledgeBasedAgent}
                         RationalAgent
        Interlocutor
                KnowledgeBase
                Person
                ReferenceToSelf
Collective
        MereotopologicalCollective
        SemioticCollective
                Articulation
                         CollectiveLiteral
                         CollectiveUtterance
                         Conventional
                                 Lexeme
                                          MathematicalOperator
                                          MeasurementUnit
                                          Name
                                          Number
                                 Term
                                          Value
                                         Variable
                         DigitalArticulation
                                 Dataltem
                                          Dyad
                                          Triple
                                 Dataset
                                 DigitalConventional
                                          Assignment
                                 IRI
                                          ConceptualIRI
                                          ContextualIRI
                                         IndividualIRI
                                         RelationalIRI
                                 Query
                Plurality
                         TopicalSum
```

Proposition

Claim

```
KnowledgeClaim
```

ConceptualKnowledgeClaim NegativeKnowledgeClaim PropertyClaim

OwnClaim

ValidityClaim

ProofBasedValidityClaim ReproducibilityClaim TestBasedValidityClaim

Ground

Assessment BasicGround

Intention

OptimizationProblem

Rule

Law

AbsoluteLaw QualifiedLaw

Topical

Question

ResearchQuestion

TopicalProduct

Structure

<del>ltem</del>

Process

Action

PurposefulAction

Cognition

CognitiveAction

ExpressiveAct CognitiveWorkflow

> ExperimentalWorkflow SimulationWorkflow

TriadicCognition

GroundingStep SemanticChange Semiosis

CognitiveChain

Grounding Chain

CognitiveStep

CognitiveRupture

Presupposition

Communication GroundedCognition