World Development Indicators

The following table (Table 1) presents how the main entities are modeled by using the appropriate classes. As can be seen, each distinct concept and entity is modeled using a different class. The information is modeled using classes from well-known ontologies. The namespaces are presented in Table 3.

|  |  |
| --- | --- |
| **Concept/Entity** | **Class** |
| Non Financial Indicator | elod:NonFinancialIndicator |
| Financial Indicator | elod:FinancialIndicator |
| Amount | elod:Amount |
| Currency  World Development Indicator Code | skos:Concept |
| World Development Indicators Concept Scheme | skos:ConceptScheme |

Table 1: The core classes of the proposed general model

The following table (Table 2) presents how the core classes are related with the appropriate properties.

|  |  |  |
| --- | --- | --- |
| **Domain** | **Property** | **Range** |
| - | elod:concerns | skos:Concept |
| skos:Concept | skos:InScheme | skos:ConceptScheme |
| - | elod:amount | - |
| - | elod:hasCurrency | skos:Concept |
| - | elod:hasStatisticalIndicator | elod:NonFinancialIndicator |
| - | elod:hasStatisticalIndicator | elod:FinancialIndicator |

Table 2: The interconnections among the classes using the appropriate properties

**Prefixes**

|  |  |  |
| --- | --- | --- |
| **Prefix** | **Namespace** | **Ontology name** |
| elod | http://linkedeconomy.org/ontology# | Linked Economy |
| skos | http://www.w3.org/2004/02/skos/core# | SKOS |

Table 3: The namespaces

**Datatype Properties**

|  |  |  |
| --- | --- | --- |
| **Domain** | **Property** | **Range** |
| - | elod:financialYear | xsd:gYear |
| - | elod:hasValue | - |
| skos:Concept  skos:ConceptScheme | skos:prefLabel | - |
| skos:Concept  skos:ConceptScheme | skos:note | - |
| skos:Concept | skos:notation | - |
| skos:Concept  skos:ConceptScheme | skos:definition | - |
| - | elod:hasCurrencyValue | xsd:float |
| skos:Concept  skos:ConceptScheme | skos:altLabel | - |

Table 4: Datatype properties