Protégé Guidelines

The owl file produced using Protègè, in order to be accepted by the RDF-OWL importer provided by the API Layer of the DI platform, has to respect some guidelines.

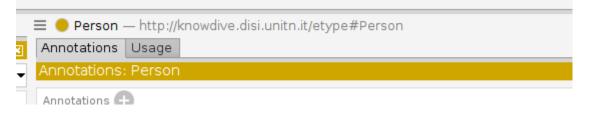
Elements IRI

Each new element modeled (classes (etypes), data properties and object properties) have to be added in Protègè using a single static IRI:

http://knowdive.disi.unitn.it/etype#

Examples:

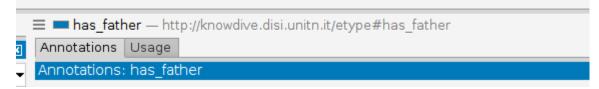
Class: Person -> http://knowdive.disi.unitn.it/etype#Person



Data property: has_name -> http://knowdive.disi.unitn.it/etype#has_name



Object property: has_father -> http://knowdive.disi.unitn.it/etype#has_father

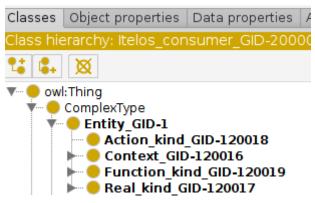


Always check that this IRI is defined for the new elements added in the schema using Protègè.

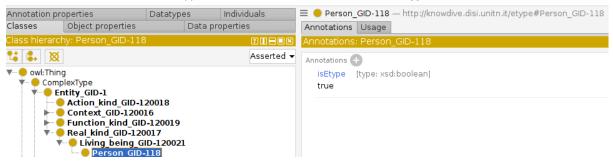
	Create a new Data property	8		
Name	has_name			
IRI http://knowdive.disi.unitn.it/etype#has_name				
	New entity options	s		
	OK Annulla			

ETypes definition

• Each EType has to be defined, in the hierarchy, under one of the subclasses of Entity_GID_1.



• Once created, each EType has to contain the annotation isEtype.



• Such annotation must have value true and the Type xsd:boolean

	Person_GID-118	8
	Literal Entity IRI IRI Editor Property values	
GID hasIdProperty hasUnitOfMeasure ISEtype owl:backwardCompatibleWith owl:deprecated owl:incompatibleWith owl:priorVersion owl:versionInfo rdfs:comment rdfs:comment	true	
rdfs:isDefinedBy	Type 🛑 xsd:boolean 🔹 Lang	
	OK Annulla	

Data properties name

Each data and object properties names must start with **"has_"**. Example:

• the name properties of class Person will be named: has_name

Data types allowed

The Data Types used to define the data properties ranges are limited. in particular only the following are allowed:

- numeric : int, float, long
- text: string
- date: datetime
- true or false: boolean