

An integrated ontology in Protégé 4.3 with classes, object properties and individuals

Elements given: Parmenides lived in Elea, a city of Italy and he wrote "On nature". He has as students Zeno and Melissus. Zeno lived in Elea and Melissus in Samos. Parmenides and Zeno travelled to Athens, a city of Greece and discussed with Socrates.

Class philosopher with individuals: Parmenides, Zeno, Melissus, Socrates.

Class country with individuals: Greece and Italy.

Class city (subclass of country) with individuals: Athens, Elea, Samos.

Class writing with individual: "On nature".

Create also the following relations (object properties) by defining the proper domain and range and characterizing them or not as functional, inverse functional, symmetric, transitive:

HaveStudent, LiveIn, TravelTo, Write, DiscussWith, CityOf

Use the selection: Ontograf in order to produce a diagram of the ontology and then export it as image .jpg.

Submit both files .owl και .jpg