

## THE ONTOLOGY OF PATTERNS OF EDUCATIONAL SETTINGS (OntoProcED)

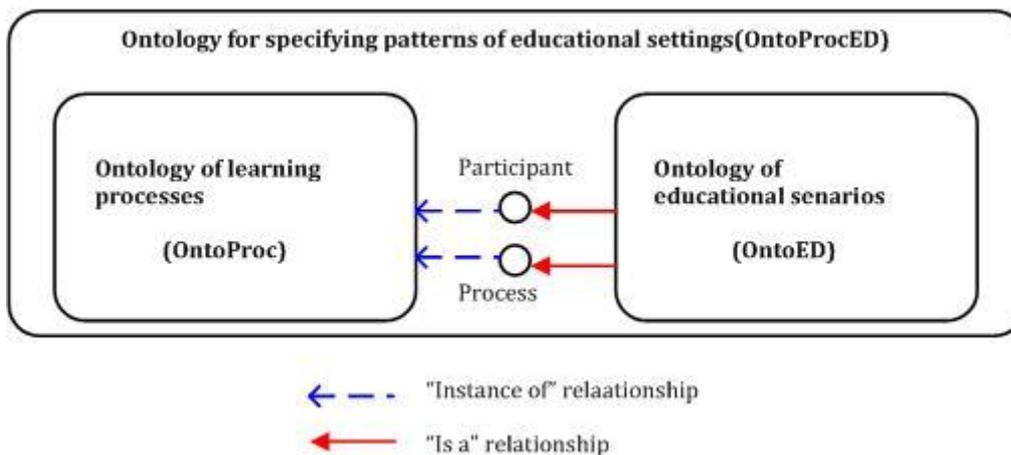
The OntoProcED ontology has been created to specify patterns of educational settings in order to describe the daily activities carried out in educational institutions which are similar and periodically repeated whichever the institution is. Its goal is specifying learning processes and its relations in a generic and unambiguous way.

The specification of patterns of educational settings is considered in two parts. The activities are described as generic, which are independent of the context where they take place. The generic context describes the educational environment in terms of the kind of generic agents. Therefore, we have created the OntoProcED as the integration of other reusable ontologies:

- 1) OntoProc: The ontology of learning processes (File: [OntoProc\\_NoInstances.owl](#)).
- 2) OntoED: The ontology of learning scenarios (File: [OntoED\\_NoInstances.owl](#)). This ontology uses some rules (File: [Rules\\_ED.txt](#))

As result of their integration, the OntoProcED has been created (File: [OntoProcED\\_NoInstances.owl](#)).

Graphically, the OntoProcED ontology can be described as it is shown next:



The integration is carried out creating the concept participant and resource that are the root of two taxonomies: the taxonomy of participants and the taxonomy of resources respectively. Afterwards, this participant and resource concepts are linked in the generic participant and resource types of OntoProc, creating the integrated OntoProcED ontology.