

Name and affiliation

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Subject: *Semi-automatic modelling of concepts in e-justice*

Brief description

Terminological applications which comprise (meta-)linguistic, conceptual or ontological information contribute towards the reduction of time and resources spent in the organization and structuring of expert domains, thus enabling knowledge to be reutilized.

The aim of this research project is the semi-automatic modelling of concepts within the domain of e-justice, using a methodology which considers the terminological unit in its linguistic, conceptual and referential facets.

Future research implies reflecting on the terminological unit’s aspects more relevant for the treatment of *corpus* and data. The challenges underlying this project include the identification of relevant properties composing the juridical science’s objects within the context of e-justice, as well as characterizing and modelling the respective concepts.

The core objective of this research is to distinguish between semantic and concept relations, observing how concepts manifest linguistically in knowledge-rich contexts, as well as developing a methodology suitable for the acquisition of relevant knowledge when modelling concepts. Within the domain of e-justice, we consider the possibility of tipifying semantic and morphosyntactic sequences which reflect relations between concepts. From this perspective, the choice of a semantic approach in this research appears to be the most suitable for the treatment of data available.

The methodology used throughout the research will allow us to conceive a proposal of ontology reflecting the criteria more relevant in such domain.