

# **IKAT: A tool for incremental development of ontologies through versions**

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**Abstract:** In this paper an ontology-based knowledge acquisition tool is presented. This work is focused on the incremental development of ontologies and aims to help with the creation and maintenance of knowledge-based systems. The tool uses the version concept to implement the evolution of the ontologies. IKAT facilitates the development of ontologies through versions propagating automatically changes to the knowledge bases built based on them. An analysis of the possible operations upon ontologies has been carried out, and as a result a set of plausible operations has been chosen and their treatment implemented.