

# DOF: a generic approach of domain ontology fuzzification

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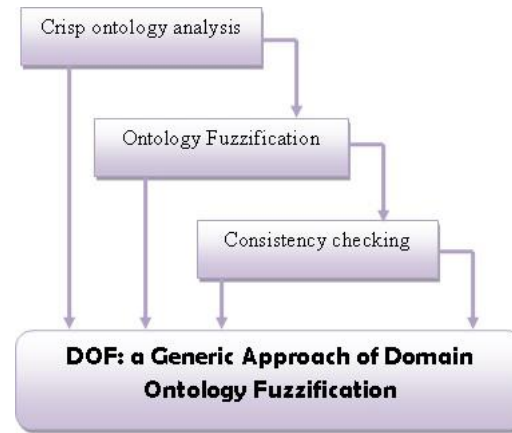
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# Problems & Ideas

- Problems of crisp ontologies
  - The crisp ontology supported a conceptual formalism by may not be sufficient to represent such imprecise information.
  - The concepts of a crisp ontology are inherently imprecise for descriptions of the real world.
  - The elements of a crisp ontology suffer from the absence of a representation hierarchy.
- Ideas: Ontology Fuzzification
  - Transform a crisp domain ontology by including fuzzy elements
  - Use the fuzzy language of OWL 2 to represent fuzzy ontologies

# Main Contributions

- The DOF approach



- The fuzzification of CRO using DOF

