

Introduction

Competency questions (CQs) are natural language questions used during the development (serves to limit the scope of a given ontology) and verification (checks for completeness an ontology) stages of ontology engineering, as well as for providing nonontology experts users, insights to the content of a given ontology. CQs issues

CQs rarely used by ontology engineers

- . Additional work deemed unnecessary
- . Not reusable between Ontologies

2 Lack of support tools

for authoring process

- . Manual creation
- . Time consuming

Currently not measurable

. Lack of quality metrics

Bad CQs problems

- Ontology lacks content needed to answer
- Questions formulated not answerable by an ontology

Objectives:

- Automatic CQs creation process
- Measurable metric development
- Evaluation of CQs creation methods

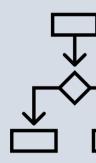
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CQs

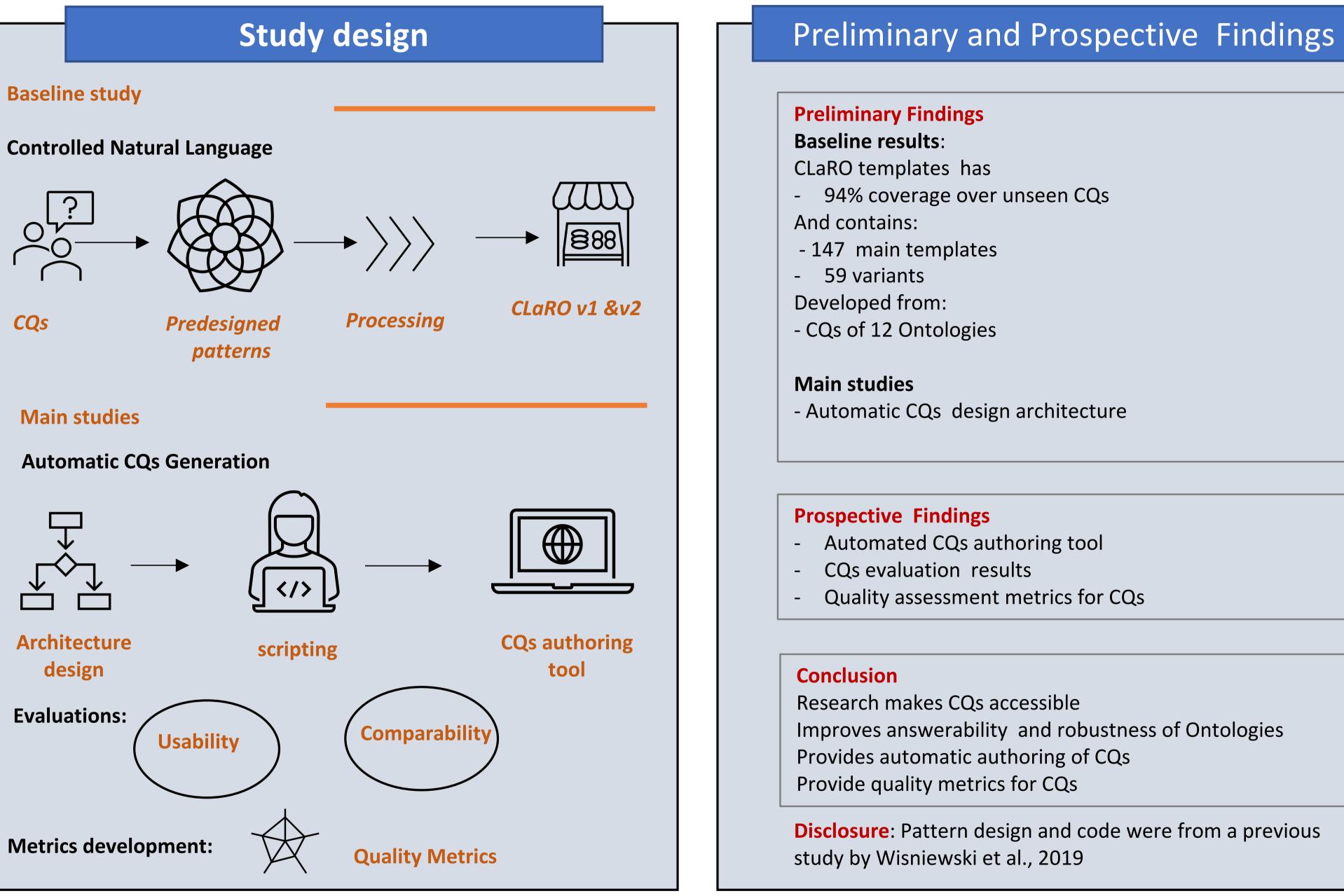
Main studies



Architecture design

Evaluations:

A Corpus-based Method for Authoring Competency Questions in Ontology Engineering



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