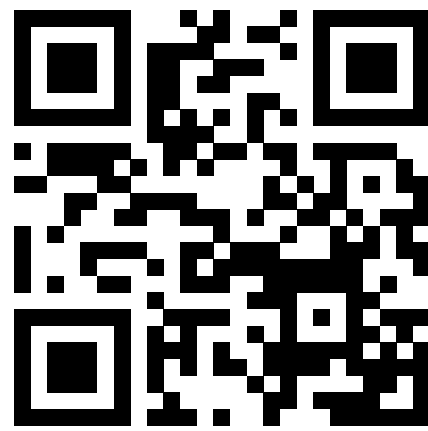


CoQuMa: Demonstration of the Competency Question Manager for Collaborative Ontology Requirements Engineering

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Paper & Poster Repository



<https://elib.dlr.de/226768/>



<https://gitlab.com/dlr-dw/CoQuMa/>

What is CoQuMa?

CoQuMa is a web application for the collaborative specification of requirements on ontologies for domain experts and ontology engineers. It supports the collection of Competency Questions and their unification into consolidated Competency Questions.

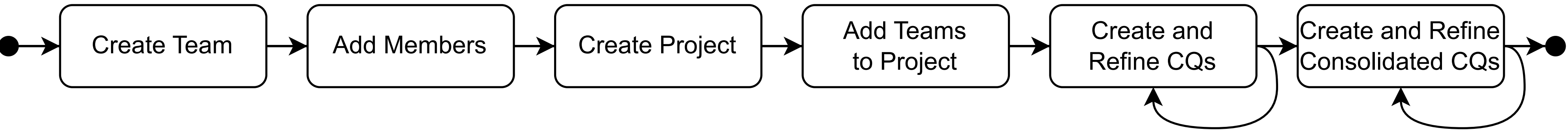
Goals

- ▶ Ease management of ontology requirements specification process
- ▶ Guide domain experts during Competency Question elicitation
- ▶ Track provenance of Competency Questions during consolidation

Features

- ▶ Collection and discussion of Competency Questions
- ▶ Grouping of Competency Questions by topics
- ▶ Linking of original and consolidated Competency Questions
- ▶ Role based access management

Requirements Specification Workflow with CoQuMa



Competency Question View in CoQuMa

View question

Which crystal structure does a material have?

Close

Title

Which crystal structure does a material have?

Description

Determine the crystal structure associated with a material, including lattice parameters, symmetry group, and characterization evidence.

Team



Characterization Methods Team
Defines ontology concepts for experimental techniques such as XRD, SEM, TEM, and spectroscopy.

Author



Eva BarFoo
eva@test.local

Topics

Crystal Structure

Characterization Method

Measurement

Comments

Write a comment...

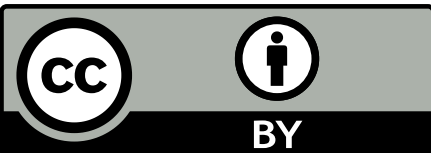
Add comment



Dave Foobar
dave@test.lo...

08/13/2026, 07:42:06 AM

X-ray diffraction should be represented as the method producing evidence for the crystal structure, not as the structure itself.



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