

# CiTO updates #2: annotation migration to Wikidata and first Scholia patch

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## Keywords







Cito, Wikidata, Scholia

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## chem-bla-ics

During the time of the editorial about the Journal of Cheminformatics [Citation Typing Ontology \(CiTO\) Pilot](#) I already worked out a model to add CiTO annotation in Wikidata. It looks like this for [the first research article with annotation](#) :

cites work by Egon Willighagen	 	<b>Reducing safety-related drug attrition: the use of in vitro pharmacological profiling.</b>
	series ordinal	5
	objective of project or action	agrees with the cited work
		▼ 0 references
	 	<b>ChEMBL: a large-scale bioactivity database for drug discovery</b>
	series ordinal	8
	objective of project or action	cites as data source
		▼ 0 references
	 	<b>Adverse drug reaction prediction using scores produced by large-scale drug-protein target docking on high-performance computing machines</b>
	series ordinal	15
	objective of project or action	agrees with the cited work
		▼ 0 references

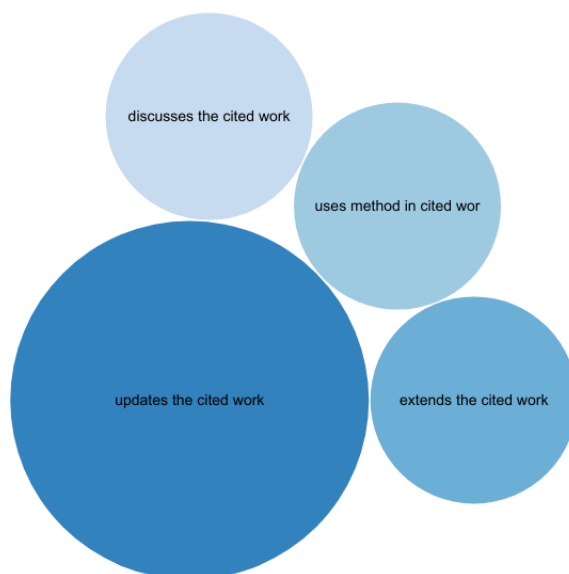
At the time I also write some [SPARQL queries against Wikidata](#) to summaries the current use. There are, for example, at this moment [128 CiTO annotations in Wikidata](#) (with the above model). At this moment the citation intention "[uses method in cited work](#)" is currently the most common. And 20 journals now have one or more articles with CiTO annotation, with the [Journal of Cheminformatics](#) the most (no surprise).

## Scholia

Next up is to enrich [Scholia](#). This may be a bit tricky at this moment, with the annotation not being very abundant at this moment. However, I have started a patch (WIP, **work in progress**) to show CiTO information. The first step is an extension to the venue aspect, here in action (locally) for the Journal of Cheminformatics:

## Journal of Cheminformatics (Q6294930)

### Incoming citations



 Wikidata Query Service

What we learn from this bubble graph is that at this moment that 'updates the cited work' is the most common annotation of articles citing J.Cheminform. articles. Similar pages will have to be developed for works, authors, etc.

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