

# Questionnaire Results

Each response was reviewed. The method to address each recommendation is mentioned. Not applicable (N/A) is stated if the response does not include any recommendations on the application of OSCD.

Responses for questions related to the application of OSCD from the **expert** cohort

#	Response	Method to Address
Q1	<i>"I would change the "event" class to "change" since you do not mention events but changes in your UI and documentation even the ontology is named "Ontology for Source Change Detection". Would it be possible to add also the responsible of the change like the maintainer? This would be useful in case the maintainer changes in long projects."</i>	The change class is subclass of an event rather than an event itself. Multiple maintainers are allowed as the predicate which represents them in the ontology is not defined as a functional property.
	<i>"No"</i>	N/A
	<i>"I can't judge that yet, I got to know OSCD for the first time during this experiment."</i>	N/A
	<i>"This could be useful to have as an option"</i>	N/A
	<i>"should define subclass/subproperties of prov-o"</i>	PROV-O was found to not be suitable to model changes.
	<i>"No, I don't"</i>	N/A
	<i>"No, but I have not used it properly so there may be something that would need to be added in the future."</i>	N/A
	<i>"provenance data related to who made the changes but it might be difficult to find that info in the ontology metadata. Also the time period the change has been made (after how long the change was made). But these are only minor things and only some suggestions to consider."</i>	Additional property named "wasChangedBy" was added to the ontology.
	<i>"Maybe by including the previous value for UpdateSourceData"</i>	A new predicate named "hasPreviousValue" was added to the ontology.
	<i>"No"</i>	N/A
Q2	<i>"You could summarise the changes in a table format instead of a dropdown. I would add a summary section with the number of Insert/Deletion/... changes and then a table underneath with the actual changes to the data like a DIFF table. You could also make it available as an exportable CSV and HTML files. This could be useful if the data engineer needs to share the results with a wider group of non-tech people."</i>	N/A
	<i>"Yes. Sorted results by insert change number or by column and data reference"</i>	N/A
	<i>"I can't judge that yet, I got to know OSCD for the first time during this experiment."</i>	N/A
	<i>"Seems clear to me"</i>	N/A
	<i>"No, I don't"</i>	N/A
	<i>"No"</i>	N/A
	<i>"It seems to be well presented."</i>	N/A
	<i>"The notification policy could also be presented to the user in the graph of changes as RDF."</i>	The notification policy was removed from the graph for the purposes of the experiment to focus on OSCD.

Q3	<p><i>"This might be out of the scope of the framework ... but would it be possible to show the parts of the RML/R2RML mapping that need to be changed based on the new data source? Could you add example sections in the updated mapping so the user can change them to whatever property and shape that they want? For example, a "lastName" column has been added, so add a</i></p> <pre><i>rr:predicateObjectMap [   rr:predicate example:lastName ;   rr:objectMap [ rml:reference "lastName" ] ].</i></pre> <p><i>Something like this to highlight that there is new data that could be included. You can even add a free text input where the user can edit in your UI the mapping based on your suggestions. Then, you validate the mapping with your other component so the user can make sure the mapping is valid."</i></p>	<p>The functionality stated is out of scope of this iteration of the framework, however, it could be considered for future work.</p>
	"No"	N/A
	"Seems like a useful tool"	N/A
	"None"	N/A
	"No"	N/A