**SLuRP**

**Contact:** Brunel University

David Bowes - d.h.bowes@herts.ac.uk

Tracy Hall - tracy.hall@brunel.ac.uk

Sarah Beecham - sarah.beecham@lero.ie

We conducted two community workshops and also conducted a survey study where we invited Systematic Literature Review (SLR) researchers who published or currently working on SLRs in Software Engineering field and collected barriers they face and functional requirements they desire in a tool to support the systematic literature review process. We grouped those requirements in multiple stack of requirements based on their functionality then based on the collected requirements we tested your tool. Matching it to the individual requirements which the community of researchers provided. We indicated your tool either fully support that stack of requirements, partially support that stack which means there are individual requirements that it meets and some it did not meet, or did not support any of the individual requirements in that stack which resulted in no support at all for that composite.

In the table below we show the type of matching (fully, partial, none) between your tool and the stack of requirements for each phase of the systematic literature review process. For detailed information about matching to each individual requirement in each stack, please see the attached excel sheet below.

We would like to ask you either to confirm our analysis of the tool, or point us to the right function in your tool that matches the individual requirements that we might have missed or did not identify correctly.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Phase** | **Stack of Requirements** | **SluRP** | **StArt** | **SLRTool** | **SLR-Tool** | **Parsifal** |
| Protocol | Automation |  | ◑ |  | ◑ | ◑ |
| Protocol | Process |  |  |  |  |  |
| Protocol | Development |  | ● |  | ● | ● |
| Protocol | Review | ● |  | ● |  | ● |
| Protocol | Template |  | ◑ |  | ◑ | ◑ |
| Search | Automation |  |  |  |  | ◑ |
| Search | Collaboration |  |  |  |  | ◑ |
| Search | Data Management | ◑ | ◑ |  |  | ◑ |
| Search | Document Management | ◑ | ◑ | ◑ | ◑ | ◑ |
| Search | Federated Search |  |  |  |  | ◑ |
| Search | Piloting |  |  |  |  |  |
| Search | Process |  |  |  |  |  |
| Search | Results Set |  |  |  |  | ◑ |
| Search | Search Engine |  |  |  |  |  |
| Selection | Automation | ◑ | ◑ | ◑ | ◑ | ◑ |
| Selection | Collaboration | ● |  | ● |  | ● |
| Selection | Data Management | ● | ● | ● | ● | ● |
| Selection | Document Management | ◑ | ◑ | ◑ | ◑ | ◑ |
| Selection | Inclusion/Exclusion Criteria | ● | ● | ● | ● | ● |
| Selection | Process | ◑ | ◑ | ◑ | ◑ | ◑ |
| Selection | Validation |  |  |  |  |  |
| Quality Assessment | Automation | ● | ● | ● | ● | ● |
| Quality Assessment | Instrument | ◑ | ◑ | ◑ | ◑ | ◑ |
| Quality Assessment | Measurement | ● | ● | ● | ● | ● |
| Quality Assessment | Planning | ◑ | ◑ | ◑ | ◑ | ◑ |
| Quality Assessment | Process | ◑ | ◑ | ◑ | ◑ | ◑ |
| Quality Assessment | Validation |  |  |  |  |  |
| Data Extraction | Automation | ◑ | ◑ | ◑ | ◑ | ◑ |
| Data Extraction | Collaboration | ● |  | ● |  | ● |
| Data Extraction | Data Management | ◑ | ◑ |  |  | ◑ |
| Data Extraction | Document Management | ● | ● | ● | ● | ● |
| Data Extraction | Form |  |  |  |  |  |
| Data Extraction | Piloting |  |  |  |  |  |
| Data Extraction | Process | ◑ | ◑ | ◑ | ◑ | ◑ |
| Data Extraction | Validation |  |  |  |  |  |
| Synthesis | Automation |  |  |  |  |  |
| Synthesis | Collaboration | ● |  | ● |  | ● |
| Synthesis | Data Management |  |  |  |  |  |
| Synthesis | Measurement | ● | ● | ● | ● | ● |
| Synthesis | Process |  |  |  |  |  |
| Synthesis | Visualization | ● | ● | ● | ● | ● |
| Documentation | Automation | ● | ● | ● | ● | ● |
| Documentation | Collaboration | ● |  | ● |  | ● |
| Documentation | Data Management |  |  |  |  |  |
| Documentation | Planning |  |  |  |  |  |
| Documentation | Process |  |  |  |  |  |
| Documentation | Template |  |  |  |  |  |
| Documentation | Validation |  |  |  |  |  |
| Documentation | Visualization | ● | ◑ | ◑ | ◑ | ◑ |

◑ - Indicate partial support / ● - Indicate full support