



EUROPEAN EDUCATIONAL RESEARCH
Quality Indicators



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Testing Semantic Tools

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Peer reviewing

Task	Tool	Test	Use Case
peer reviewing questionnaire	questions the answers of which allow to reveal research quality	peer-reviewing exercise	Reviewing a proposal for a paper in a (thematic) scientific journal

The outcome of the peer review exercise is meant to be compared with the outcome of the extrinsic indicators

The test of the peer-review exercise is that the same article will be evaluated by several peers

Semantic features of the search engine

Task	Tool	Test	Use Case
develop semantic features within the search engine	dictionaries, morphological analysis, multilingual concordances	with the users of the search engine	Search in a European Bibliographic Database with bibliometric Indicators

Suggestion for testing methodology:

- Project partners asked to participate in the test, and to recruit participants of other native languages
- Compare search effectiveness with and without automatic query translation
- Modify search interface to facilitate data collection

Automatic semantic analysis

Task	Tool	Test	Use Case
automatic semantic analysis	key sentence extraction	peer-reviewing exercise	Reviewing a proposal for a paper in a (thematic) scientific journal

Integrated into the peer-review exercise: the peer-reviewers are requested to write a short summary of the articles reviewed. These summaries will be compared to the extracted sentences to see if they correspond to them:

Please briefly summarize the reviewed article in your own words. In the summary, please state the main subject of the reviewed article, the research problem as well as the main conclusion/results/open questions, etc. The summary should be written in the same language as the reviewed article.