

Current semantic technology evaluation

- Current evaluations are mostly performed in research environments:
 - Scarce
 - Punctual
 - Limited to few organisations/tools
 - Specific
 - Not documented enough
- Semantic technology selection is a hard task
 - Different goals and vocabulary
 - Evaluation results cannot be combined across tools/criteria
- There are different quality perspectives
 - Do not cover end-user requirements

Expensive
Difficult to reuse



Need to boost the maturity of semantic technologies!

Research
Development
Adoption

ESWC 2009 Tutorial on Evaluation of Semantic Web technologies

Introduction



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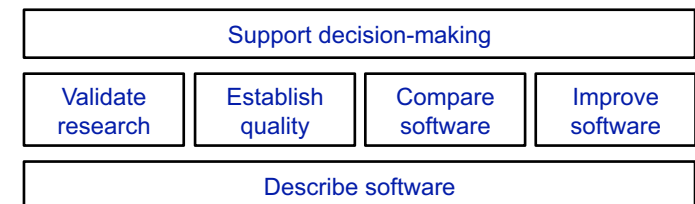
Changing the focus on semantic evaluations



- Quality model for semantic technologies
 - Criteria
 - Metrics
- Evaluation methods for semantic technologies
 - Evaluation datasets
- Evaluation software

Software evaluation goals

Common goals:



Different perspectives:

Researchers:

- Validate theories
- Compare alternative theories

Developers:

- Verify quality
- Improve quality
- Monitor and control quality
- Make quality assurance decisions

Providers:

- Verify quality
- Make provisioning decisions
- Quality as marketing claim

Users

Acquisition:

- Select between alternatives
- Accept software

Use:

- Verify quality in use
- Decide if improve or replace software