

Breakout
Group 1

Adoption
Challenges

URI Longevity

Vocabulary
Changes

Technology
Dissemination

Breakout Brainstorming Session

Group 1

WaSABi 2014: Workshop on Semantic Web Enterprise Adoption and Best Practice

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Adoption Challenges

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- Longevity of URIs in a changing environment.
- Changes of vocabularies/datasets while keeping the same namespace can cause applications to fail.
- How do we (and particularly industry!) know which vocabularies and technologies that have strong community backing?

Longevity of URIs in a Changing Environment

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- Newly developed vocabularies believed to reach external uptake should be hosted by W3C, or possibly PURL.org.
- For existing vocabularies; log and publish statistics on read access so that it can be determined which existing vocabularies are heavily used, in order to learn how significant this potential problem is.
- Possibly consider how BitTorrent anchor links work; could their approach to DNS-less resource resolution work also for Semantic Web data?

Changes to Vocabularies

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- **Never** change a published (i.e., available via a publicly resolvable URI) vocabulary or dataset - only add new URI:s with new versioning info.
- Further work needed on Ontology Evolution and logging, particularly regarding presenting change deltas in an accessible user-friendly or at least developer-friendly way.
- Related to the above: the use of the deprecation warning and versioning annotations in OWL needs to be increased.
- Could a system be developed to generate reports from a codebase, detailing which datasets/vocabularies/libraries that the code depends upon?

Communicating Future-Proof Artefacts

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- Emphasize the use of and development of indices like LOV and LodStats, possibly also for other types of artefacts than just vocabularies.
- Could a social networking-based community portal be of use? Currently the semantic web research community exists across a great deal of sites, keeping it all in one place and combining this with a user-maintained directory of quality components and technologies might be beneficial.