Abstract

In Semantic Web research, most of the work has focused around the OWL ontology, natural language processing, word sense disambiguation and semantic matching. Few efforts have been made to provide a publishing methodology for metadata-rich Web content for end users. This work encompasses all possible aspects of publishing pure digital content, such as HTML documents, images, video, and other media documents free from metadata. Afterwards the content could be integrated with metadata to provide optimal capability and scalability for document organization, search and navigation in the aim of explicit knowledge publishing. The effort is made on our specific framework to publish documents which are enriched with metadata for better machine reasoning. The first and the second version of the prototype is a Mozilla Firefox extension called Semantic Web (SWeb) browser. SWeb is intended for
managing and publishing knowledge and information, as "publishing knowledge" was missing in the system where we got the opportunity to contribute.

References

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- RDF Homepage. See at: http://www.w3.org/RDF/
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- Yahoo directory. See at: http://dir.yahoo.com/
- Google directory. See at: http://directory.google.com/
- Controlled vocabulary. See at: http://www.boxesanlarrowes.com/view/what_is_a_controlled_vocabulary_
Index Terms

Computer Science

Information Sciences

Keywords

Knowledge Ontology OWL metadata

- Knowdive Project. See at: http://disi.unitn.it/~knowdive