

Knowledge Organization

International Journal

Devoted to Concept Theory, Classification, Indexing, and Knowledge Representation

Archiv
Vol. 32, issue 1, 2005

ERGON-VERLAG
ISSN 0943-7444 Knowl.Org.

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Official Quarterly Journal of the International Society for Knowledge Organization

ISSN 0943 – 7444

International Journal devoted to Concept Theory, Classification, Indexing and Knowledge Representation

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García-Barriocanal, Elena, Miguel A. Sicilia, and Salvador Sanchez-Alonso. **Usability Evaluation of Ontology Editors.** *Knowledge Organization*, 32(1). 1-9. 27 refs.

ABSTRACT: Ontology editors are software tools that allow the creation and maintenance of ontologies through a graphical user interface. As the semantic web effort grows, a larger community of users for this kind of tool is expected. New users include people not specifically skilled in the use of ontology formalisms. In consequence, the usability of ontology editors can be viewed as a key adoption precondition for semantic web technologies. In this paper, the usability evaluation of several representative ontology editors is described. This evaluation is carried out by combining a heuristic pre-assessment with a subsequent user-testing phase. The target population is comprised of people with no specific ontology-creation skills that have a general knowledge about domain modelling. For this kind of user, current editors are adequate for the creation and maintenance of simple ontologies. Also, there is room for improvement, especially in browsing mechanisms, help systems, and visualization metaphors.

pertise, knowledge of the discipline, and time required to complete the search. Without a definitive conclusion, we suggest a number of directions for further research.

Chaudhry, Abdus Sattar, and Goh Hui Ling. **Building Taxonomies Using Organizational Resources: A Case of Business Consulting Environment.** *Knowledge Organization*, 32(1). 25-46. 33 refs.

ABSTRACT: Taxonomies are becoming an increasingly important tool for companies to effectively manage information, particularly in the business consulting environment, where information is considered a main asset and a key product. This paper describes a case study of developing a taxonomy system for a regional business consulting company. The taxonomy, consisting of 12 main categories and approximately 500 terms, was built based on the existing knowledge structure and information needs of consultants in a selected company. This prototype can be conveniently utilised and adapted by other companies in their efforts to develop their own taxonomy system.

Lee, Hur-Li, and Hope A. Olson. **Hierarchical Navigation: An Exploration of Yahoo! Directories.** *Knowledge Organization*, 32(1). 10-24. 37 refs.

ABSTRACT: Although researchers have theorized the critical importance of classification in the organization of information, the classification approach seems to have given way to the alphabetical subject approach in retrieval tools widely used in libraries, and research on how users utilize classification or classification-like arrangements in information seeking has been scant. To better understand whether searchers consider classificatory structures a viable alternative to information retrieval, this article reports on a study of how 24 library and information science students used Yahoo! directories, a popular search service resembling classification, in completing an assigned simple task. Several issues emerged from the students' reporting of their search process and a comparison between hierarchical navigation and keyword searching: citation order of facets, precision vs. recall, and other factors influencing searchers' successes and preferences. The latter included search ex-

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KNOWLEDGE ORGANIZATION

This journal is the organ of the INTERNATIONAL SOCIETY FOR KNOWLEDGE ORGANIZATION (General Secretariat: H. Peter OHLY, Social Science Information Center, Lennestr. 30, D-53113 Bonn, Germany.

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Official Quarterly Journal of the International Society for Knowledge Organization

ISSN 0943 – 7444

International Journal devoted to Concept Theory, Classification, Indexing and Knowledge Representation

Publisher

ERGON-Verlag, Grombühlstr. 7, GER-97080 Würzburg
Phone: +49 (931) 280084; FAX +49 (931) 282872
E-mail: service@ergon-verlag.de; http://www.ergon-verlag.de

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A separate title page should include the article title and the author's name, postal address, and E-mail address, if available. Only the title of the article should appear on the first page of the text. To protect anonymity, the author's name *should not* appear on the manuscript, and all references in the body of the text and in footnotes that might identify the author to the reviewer should be removed and cited on a separate page. Articles that do not conform to these specifications will be returned to authors.

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Reference citations within the text should have the following form: (author year). For example, (Jones 1990). Specific page numbers are optional, but preferred when applicable, e.g. (Jones 1990, 100). A citation with two authors would read (Jones & Smith, 1990); three or more authors would be: (Jones et al., 1990). When the author is mentioned in the text, only the date and optional page number should appear in parenthesis – e.g. According to Jones (1990), ...

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Graesser, A., Person, N. & Huber, J. 1992. Mechanisms that generate questions. In T. W. Lauer, E. Peacock, & A. C. Graesser (Eds.). *Questions and Information Systems*. Hillsdale, NJ: Lawrence Erlbaum Associates. 167-187.

Sager, J.C. 1990. *A Practical Course in Terminology Processing*. Amsterdam: John Benjamins.

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Printed in the Federal Republic of Germany
by Offizin Hildburghausen GmbH Druckhaus.

KO is published quarterly by ERGON-Verlag.
The price is € 106,00/ann. including airmail delivery.

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ISSN 0943 – 7444

International Journal devoted to Concept Theory, Classification, Indexing and Knowledge Representation

Scope

The more scientific data is generated in the impetuous present times, the more ordering energy needs to be expended to control these data in a retrievable fashion. With the abundance of knowledge now available the questions of new solutions to the ordering problem and thus of improved classification systems, methods and procedures have acquired unforeseen significance. For many years now they have been the focus of interest of information scientists the world over.

Until recently, the special literature relevant to classification was published in piecemeal fashion, scattered over the numerous technical journals serving the experts of the various fields such as

philosophy and science of science
 science policy and science organization
 mathematics, statistics and computer science
 library and information science
 archivistics and museology
 journalism and communication science
 industrial products and commodity science
 terminology, lexicography and linguistics

Beginning in 1974, KNOWLEDGE ORGANIZATION (formerly INTERNATIONAL CLASSIFICATION) has been serving as a common platform for the discussion of both theoretical background questions and practical application problems in many areas of concern. In each issue experts from many countries comment on questions of an adequate structuring and construction of ordering systems and on the problems of their use in opening the information contents of new literature, of data collections and survey, of tabular works and of other objects of scientific interest. Their contributions have been concerned with

- (1) clarifying the theoretical foundations (general ordering theory/science, theoretical bases of classification, data analysis and reduction)
- (2) describing practical operations connected with indexing/classification, as well as applications of classification systems and thesauri, manual and machine indexing
- (3) tracing the history of classification knowledge and methodology
- (4) discussing questions of education and training in classification
- (5) concerning themselves with the problems of terminology in general and with respect to special fields.

Aims

Thus, KNOWLEDGE ORGANIZATION is a forum for all those interested in the organization of knowledge on a universal or a domain-specific scale, using concept-analytical or concept-synthetic approaches, as well as quantitative and qualitative methodologies. KNOWLEDGE ORGANIZATION also addresses the intellectual and automatic compilation and use of classification systems and thesauri in all fields of knowledge, with special attention being given to the problems of terminology.

KNOWLEDGE ORGANIZATION publishes original articles, reports on conferences and similar communications, the Newsletters of the International Society for Knowledge Organization (ISKO News) and the Committee on Classification Research of the International Federation for Information and Documentation (FID/CR News) as well as book reviews, letters to the editor, and an extensive annotated bibliography of recent classification and indexing literature, covering some 500 items in each issue.

KNOWLEDGE ORGANIZATION should therefore be available at every university and research library of every country, at every information center, at colleges and schools of library and information science, in the hands of everybody interested in the fields mentioned above and thus also at every office for updating information on any topic related to the problems of order in our information-flooded times.

KNOWLEDGE ORGANIZATION was founded in 1973 by an international group of scholars with a consulting board of editors representing the world's regions, the special classification fields, and the subject areas involved. From 1974-1980 it was published by K.G. Saur Verlag, München. Back issues of 1978-1992 are available from ERGON-Verlag, too.

As of 1989, KNOWLEDGE ORGANIZATION has become the official organ of the INTERNATIONAL SOCIETY FOR KNOWLEDGE ORGANIZATION (ISKO) and is included for every ISKO-member, personal or institutional in the membership fee (US \$ 55/US \$ 110).

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