Building Community for Semantics

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In summary

• New initiative
• Publishers to share
  • Experiences
  • Best practice
  • Contacts
• How we use taxonomies
Semantics for Publishers

Automated Indexing

Subject Categorization
Semantics for Publishers

Automated Indexing

Taxonomies

Subject Categorisation
Taxonomies

• Knowledge Models
  • Thesaurus
  • Taxonomies
  • Entity lists

e.g. MESH, SNoMed, FundRef, Ringgold
The Formation of the Taxonomy Interest Group

Realization that many publishers had

- Investments in technology
- Created thesauri
- Were learning about
  - Thesaurus management
  - Application of controlled vocabularies
  - Semantic services
Taxonomies Interest Group

- Supported by CrossRef
- Members from de Gruyter, Wiley, T&F, ACM, APA, and IOP
- To share experiences with different knowledge models
Aims

• Show which knowledge models are being used by whom, how, and for what purpose

• Facilitate exchange, discussion, sharing of experiences, standardization, best practices

• Provide contact information
Features

- Pages for Knowledge Models and Publishers
- Comments
- Knowledge Model Template
- Presentations
- Discussion Forum
Semantic enrichment is an active area of development for many publishers. Our enrichment processes are based on the use of different Knowledge Models (e.g., an ontology or thesaurus) which provide the terms required to describe different subject disciplines.

This initiative, sponsored by CrossRef, enables publishers to share which Knowledge Models they are using, creating opportunities for standardisation, collaboration and interoperability.

This website has been launched in November 2014. It is a starting point. We hope that additional publishers and interested parties will contribute information about their uses of Knowledge Models. The aim is to look for commonalities and best practices, to create standardised uses and methods, thus providing better services to content users, and reducing costs for all publishers. Over time, we hope that this site becomes a robust central resource and a forum for the exchange of information, experiences, and thoughts.

Members: IOP, ACM, Taylor & Francis, De Gruyter, and Wiley.

LEAVE A REPLY

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Name *

Email *
http://taxonomies.labs.labs.crossref.org/
The Thesaurus of Psychological Index Terms® is the controlled vocabulary used by APA’s professional indexers to index all of APA’s databases: PsycINFO®, PsycARTICLES®, PsycBOOKS®, PsycEXTRA®, PsycTESTS®, PsycTHERAPY®, and PsycCRITIQUES®. With the wide variety of concepts and vocabulary used in the psychological literature, search and retrieval of specific psychological concepts is virtually impossible without the controlled vocabulary of the Thesaurus. It provides a way of structuring the diverse concepts in the field of psychology to assist in the creation of efficient and consistent indexing. The Thesaurus, first published in 1974, has an influential role in research because it reflects the most current trends found in the behavioral and social science literature. The Thesaurus can help authenticate the use of terms as they become accepted nomenclature.

URL OF KNOWLEDGE MODEL:

- www.psycnet.apa.org

OWNED/DEVELOPED BY:

1. Name of Owner: The American Psychological Association
2. Name of Developer: Ian Galloway
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PRESENTATIONS

Presentations about this initiative

March 2015 CrossRef Webinar

Introduction to the CrossRef Taxonomy Interest Group, this website and a case study of semantic enrichment from Wiley. Discussion and Comments invited below. 2015-03-03 Webinar

December 2014 STM Innovations Seminar, London

5 minute 'flash' presentation 2014-12-03 STM Innovation Flash Presentation GMc

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Name *
Want to…

• Strengthen the infrastructure of scholarly communications
• Create standards in adoption of Knowledge Models
• Create a master source of Knowledge Models for use in enrichment processes
• Create a community of publishers
Want to…

• Help smaller publishers work with different Knowledge Models
• Encourage service providers to support the industry by adopting standards and developing new Knowledge Models where none exist
Benefits for Authors

• Standard terminology will make it easier to prepare content, using industry-agreed keywords and identifiers.
Benefits for Discovery

- A&I services and how they ingest and classify data
- Content vendors and how they tailor services for publishers
- T&DM
- Across publishers
Future Developments

• Participation from Service Providers
• In-Person meetings around industry events
• Planned Webinars
Thank You!

Please participate: http://taxonomies.labs.crossref.org/
Time’s Up!

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