

Building Community for Semantics

Ian Galloway

PsycINFO

American Psychological Association

In summary

- New initiative
- Publishers to share
 - Experiences
 - Best practice
 - Contacts
- How we use taxonomies

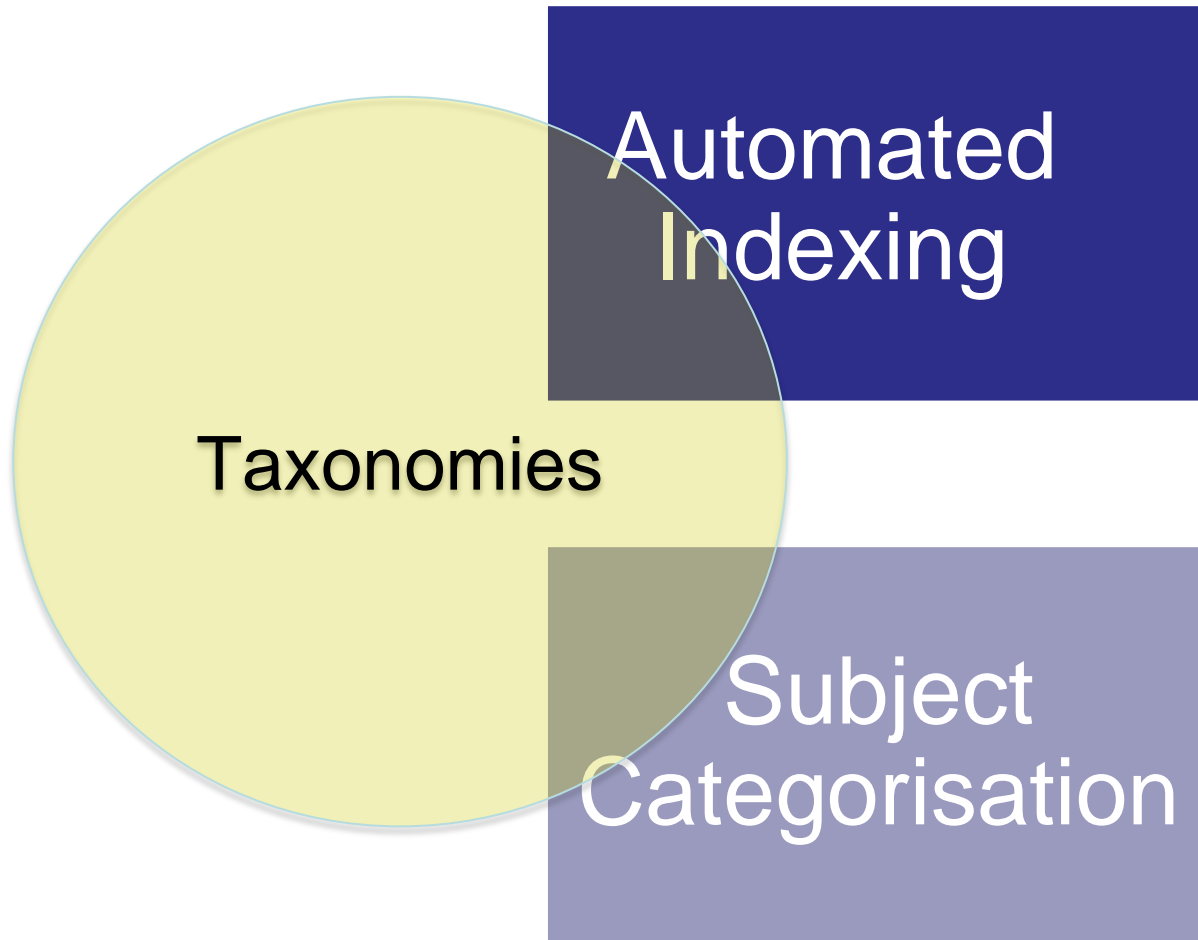


Semantics for Publishers

Automated
Indexing

Subject
Categorization

Semantics for Publishers



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

http://taxonomies.labs.crossref.org/

CrossRef Taxonomy Interest Group ABOUT CONTRIBUTE 

Search ...

PUBLISHERS

- De Gruyter
- IOP Publishing
- Wiley

KNOWLEDGE MODELS

- General Linguistics Taxonomy
- Medical Subject Headings (MeSH®)
- SNOMED CT
- IOP Thesaurus
- PLOS Thesaurus
- Unified Astronomy Thesaurus

TAGS

Astronomy
Clinical Linguistics Mathematics

Medical People **Physics**
Places Science Policy Social
Science STM

RECENT COMMENTS

RECENT POSTS

- Unified Astronomy Thesaurus
- PLOS Thesaurus
- IOP Thesaurus
- SNOMED CT
- Medical Subject Headings (MeSH®)

ABOUT

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.

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Name *

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CrossRef Taxonomy Interest Group

ABOUT CONtribute Q

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IOP Publishing
Wiley

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PUBLISHER PROFILES

DE GRUYTER

🕒 1ST OCTOBER 2014 🧑 CHRISTIAN KOHL 💬 LEAVE A COMMENT

Name of Publisher:
De Gruyter

URL:
<http://www.degruyter.com>

Short Description:

The independent academic publisher De Gruyter can look back at a company history of over 260 years. Today, the De Gruyter group publishes over 1,300 new titles each year in the humanities, STM and law, more than 650 subscription based or Open Access journals, and a variety of digital products.

The company is headquartered in Berlin, with offices in Basel, Beijing, Boston and Munich.

Under its umbrella brand **De Gruyter**, the company runs the imprints of **De Gruyter Akademie Forschung**, **Birkhäuser**, **De Gruyter Mouton**, **De Gruyter Open**, **De Gruyter Oldenbourg**, and **De Gruyter Saur**.

Knowledge Models Used:

- [General Linguistics Taxonomy](#)
- [MeSH \(German translation\)](#)
- [ICD-10-GM](#)

http://taxonomies.labs.crossref.org/

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IOP Publishing
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ACM (Association for
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ACM Computing Classification
System (CCS)
Thesaurus of Psychological
Index Term®
NewsIndexer Thesaurus
NICEM Thesaurus

TAGS

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Medical People Physics

KNOWLEDGE MODELS

THESAURUS OF PSYCHOLOGICAL INDEX TERM®

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SHORT DESCRIPTION/ABOUT

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 sycCRITIQUES®. 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



Search ...

PUBLISHERS

- De Gruyter
- IOP Publishing
- Wiley
- Taylor & Francis Group
- ACM (Association for Computing Machinery, Inc.)
- American Psychological Association
- PLOS

KNOWLEDGE MODELS

- General Linguistics Taxonomy
- Medical Subject Headings (MeSH®)
- SNOMED CT
- IOP Thesaurus
- PLOS Thesaurus
- Unified Astronomy Thesaurus
- ACM Computing Classification System (CCS)
- Thesaurus of Psychological Index Term®

DISCUSSION FORUM

| Topic | Replies | Last activity |
|--|---------|--------------------------|
| Suggestions for development of this web site | | Graham M 6 days ago 0 |

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NICEM Thesaurus

PRESENTATIONS

Presentations about this initiative

March 2015 CrossRef Webinar

Introduction to the CrossRef Taxonomy Interest Group, this web site and a case study on semantic enrichment from Wiley. Discussion and Comments invited below. [2015-03-03 Webinar CrossRef](#)

December 2014 [STM Innovations Seminar](#), London

5 minute 'flash' presentation [2014-12-03 STM Innovation Flash Presentation GMc](#)

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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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