

Building community for semantics

Graham McCann
IOP Publishing

In summary

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

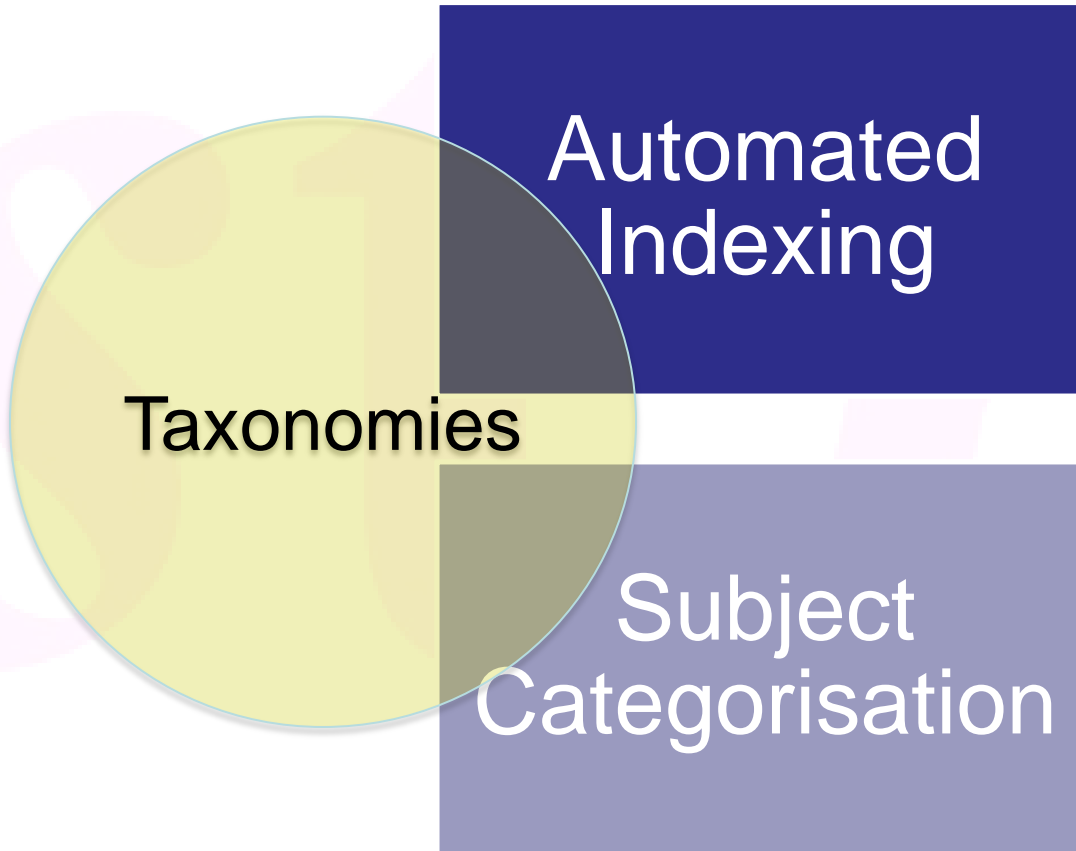


Semantics for Publishers

Automated
Indexing

Subject
Categorisation

Semantics for Publishers



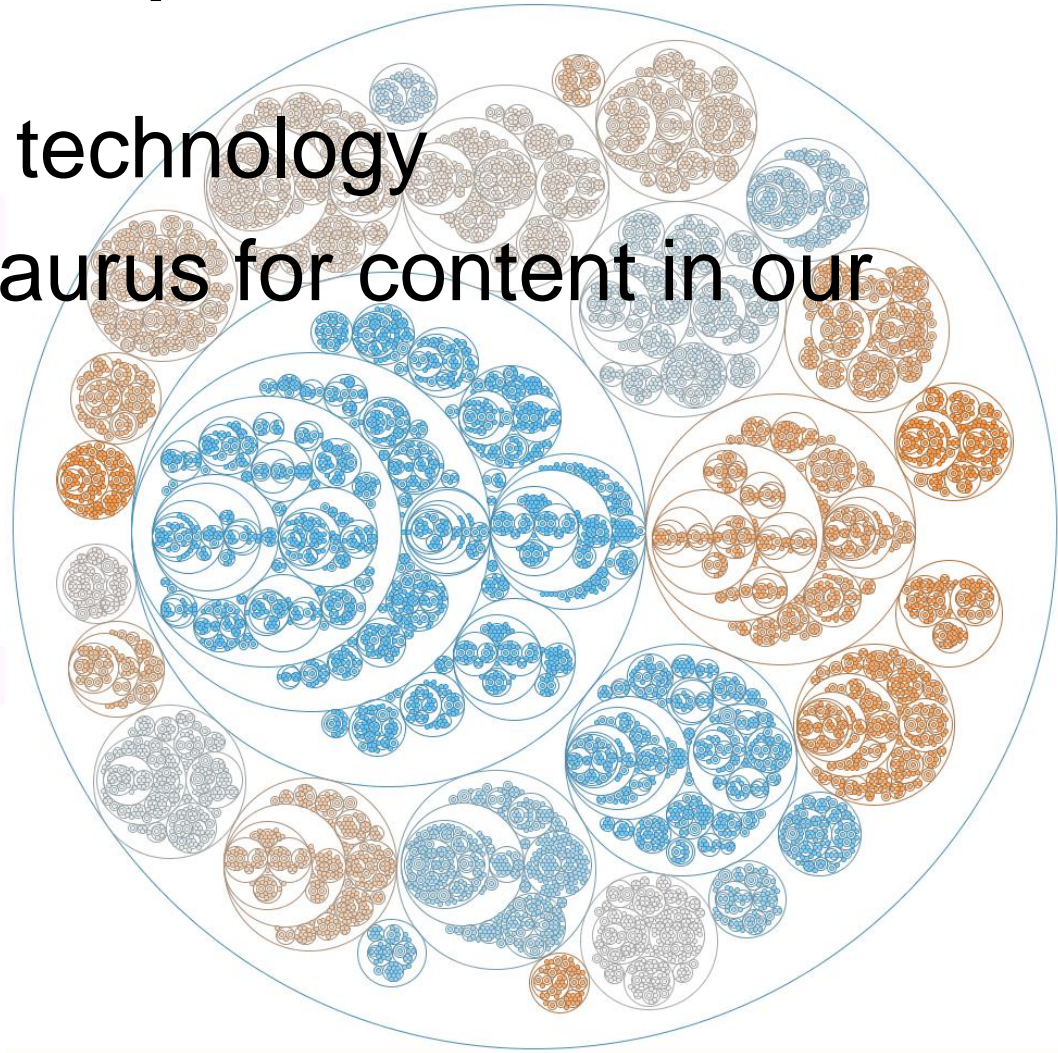
Taxonomies

- Knowledge Models
 - Thesaurus
 - Taxonomies
 - Entity lists

e.g. MESH, SNoMed, FundRef, Ringgold

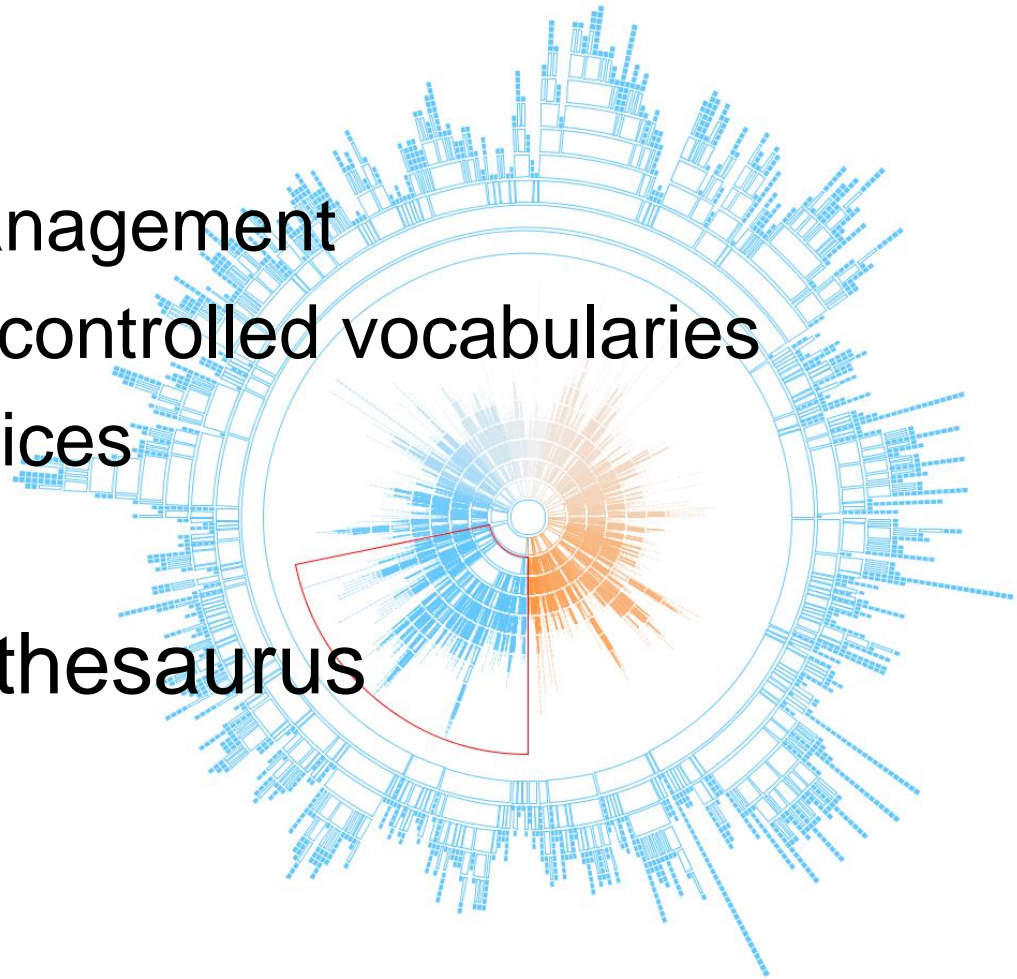
IOP's experience

- Investment in technology
- Create a thesaurus for content in our platform



IOPP's experience

- Learned about
 - Thesaurus management
 - Application of controlled vocabularies
 - Semantic services
- Released one thesaurus




Taxonomies Interest Group

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



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.

LEAVE A REPLY

Your email address will not be published. Required fields are marked *

Name *

Email *

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

CrossRef Taxonomy Interest Group

ABOUT CONtribute Q

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

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/

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

KNOWLEDGE MODELS

UNIFIED ASTRONOMY THESAURUS

🕒 11TH NOVEMBER 2014 👤 GRAHAM MCCANN 💬 LEAVE A COMMENT

Short Description:

The Unified Astronomy Thesaurus (UAT) is an open, interoperable and community-supported thesaurus which unifies the existing divergent and isolated Astronomy & Astrophysics thesauri into a single high-quality, freely-available open thesaurus formalizing astronomical concepts and their inter-relationships.

URL:

<http://astrothesaurus.org/>

Owned/Developed by:

1. Name of Owner: American Astronomical Society, <http://aas.org/>
2. Name of Developer: Katie Frey, ADS, <https://groups.google.com/d/forum/uat-users>

Adopted (as opposed to owned) by organizations/publishers:


[IOP Publishing](#) intend to use this for auto-indexing of images in the [the AAS Astronomy Image Explorer](#) and for indexing content on IOPscience journals and books platform.

Is the KM being actively developed?

1. Yes by ADS and the Astronomy

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

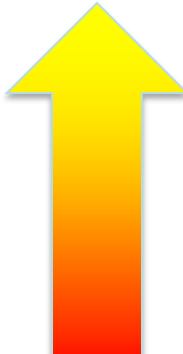
- Unified Astronomy Thesaurus
- PLOS Thesaurus
- IOP Thesaurus
- SNOMED CT
- Medical Subject Headings

CONTRIBUTE

We want to add new Publishers and Knowledge Model information to this site. Please download the template file, which contains full instructions.

[Knowledge Model Templates](#)

The site is currently administered by Christian Kohl and Graham McCann. A self-service site is under consideration.



LEAVE A REPLY

Your email address will not be published. Required fields are marked *

Name *

Email *

Website

Comment

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...

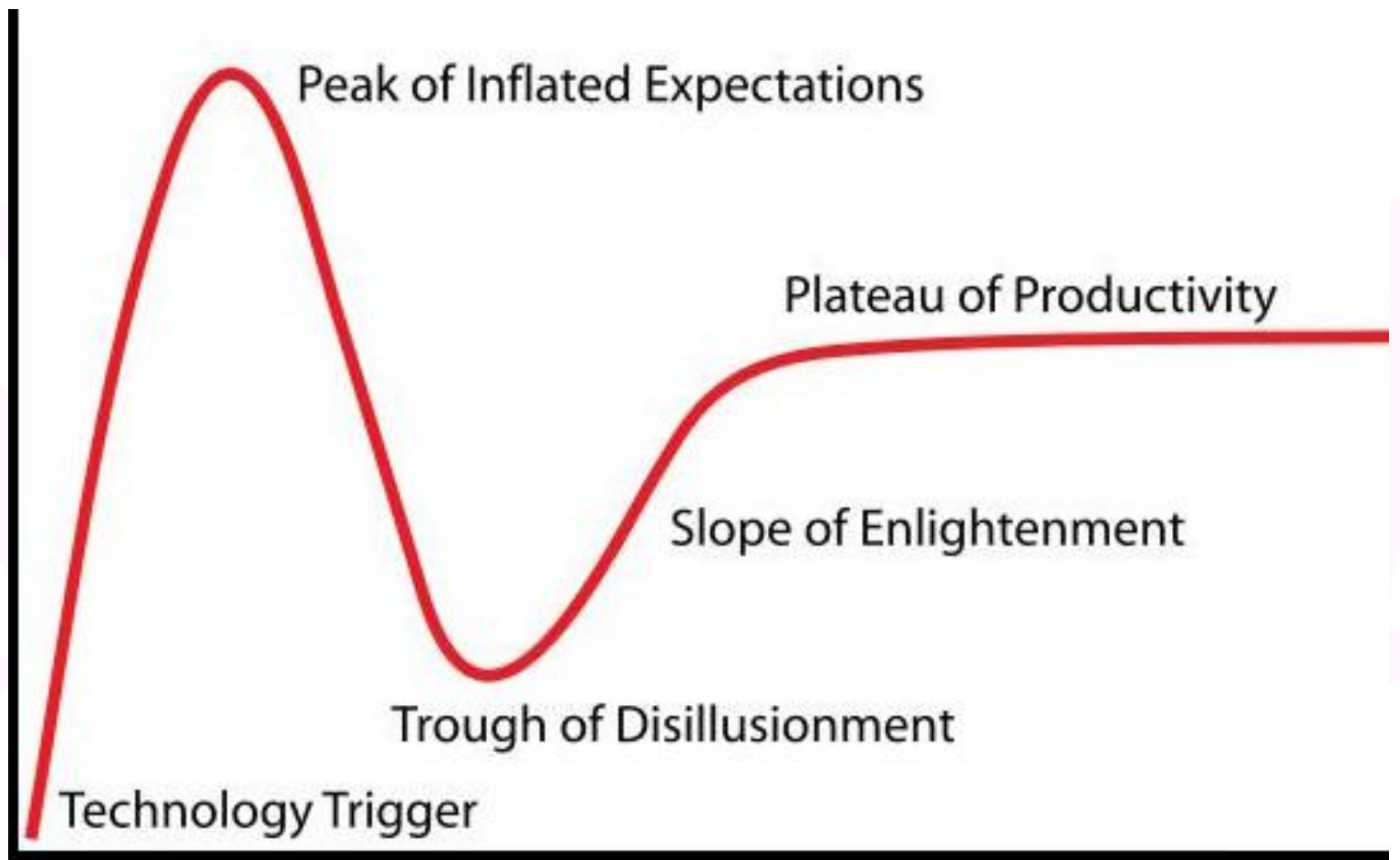
- Help smaller publishers to work with different Knowledge Models
- Encourage service providers to support the industry by adopting standards and developing new Knowledge Models where none exist

Benefits for authors

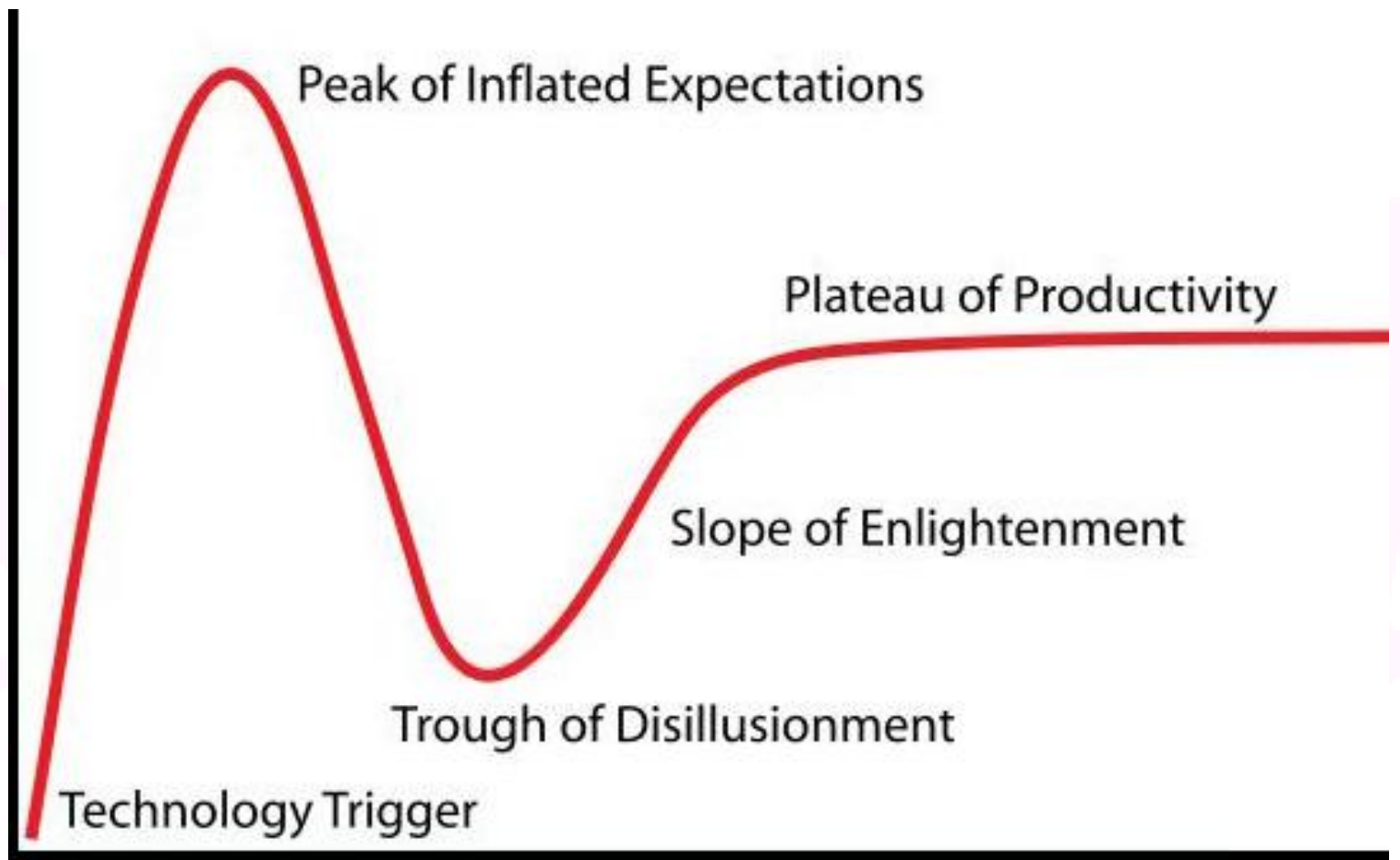
- Standard terminology will make it easier to prepare content, using industry-agreed keywords and identifiers.

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



<http://thelearningcurve.ca/>



<http://thelearningcurve.ca/>

Please contribute:

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

Time's Up!



About your speaker:

Name: Graham McCann

Company: IOP Publishing

Tel: 01179 301107

Email: graham.mccann@iop.org

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