



Improving Customer Satisfaction With Agile Taxonomy Management



Jaimie Chung Insider Intelligence

Our Speakers









Heather HeddenData & Knowledge Engineer
Semantic Web Company



Jaimie Chung
Product Manager
Insider Intelligence

Outline







- Why and What are Taxonomies
- Use Case of Taxonomies: Insider Intelligence
- Taxonomy Management in PoolParty







Taxonomies solve problems in finding information

- Search engine deficiencies
 - Search misses desirable content
 - Search retrieves inappropriate content



- Don't know how to construct good searches
- Don't know what to search for and need suggestions

Content issues

Inconsistent terminology across content









Taxonomies are

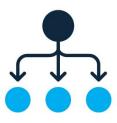
Controlled, structured set of concepts, for a common shared vocabulary, to link content to audience/users

Concepts are

- Ideas or things that may have different names
- Not mere words
- Unambiguous for the context and the users

Structures are

- Multi-level hierarchies (broader-narrower relations)
- Facets: aspects, filters, refinements, attributes



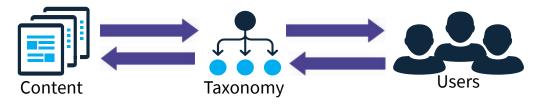






Benefits of taxonomies

- Enabling findability of content based on the concepts it is about, not mere words found in text
- Improving search precision and recall
- Supporting consistent tagging, manual or automated, via synonyms and hierarchical context
- Supporting user discovery of content from linked broader, narrower, and/or related concepts
- Providing a guided hierarchy of topics when the user does not know what to search on



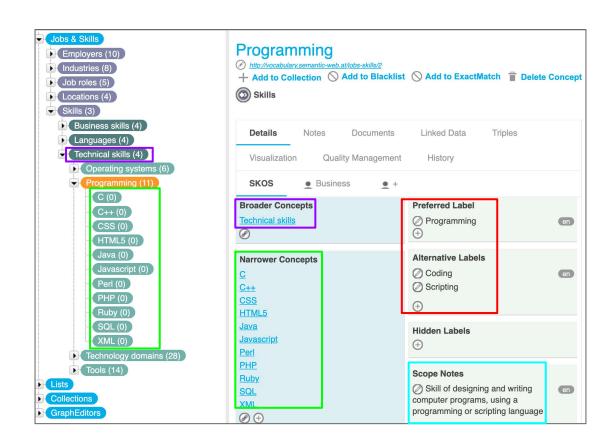






Taxonomy Features

- Concepts with preferred and alternative labels
- Hierarchical relationships bring all concepts into a set of hierarchies of multiple levels
- Notes, definitions, or other data on concepts provide more meaning and governance



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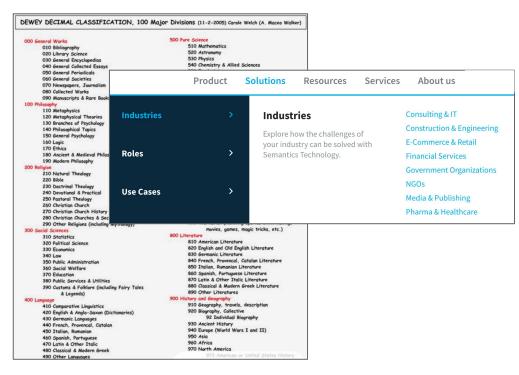




What a taxonomy is **not**:

- Not a classification scheme
- Not navigation/menu scheme

These are too rigid.



A taxonomy is more flexible and adaptable (or agile), representing the current content and the needs of the current users.

Insider Intelligence

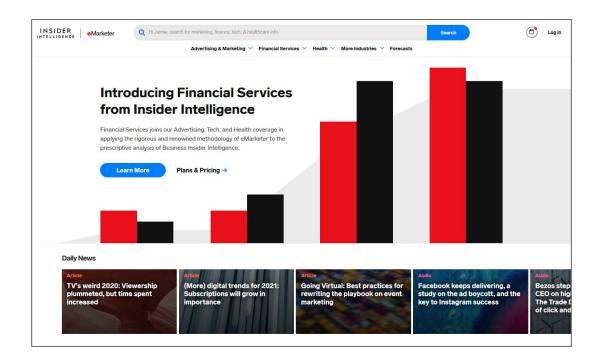






Background

- Our value proposition
- Where/how we use taxonomies
- Past frameworks and pain points



Insider Intelligence Use Case #1

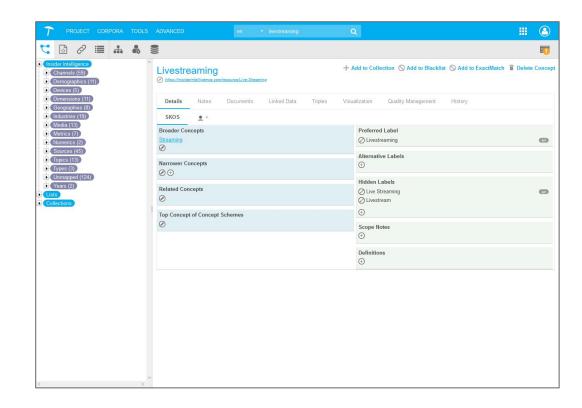






Single source for taxonomy data

- Versioning
- Intuitive UI
- Eliminate information silos



Insider Intelligence Use Case #2

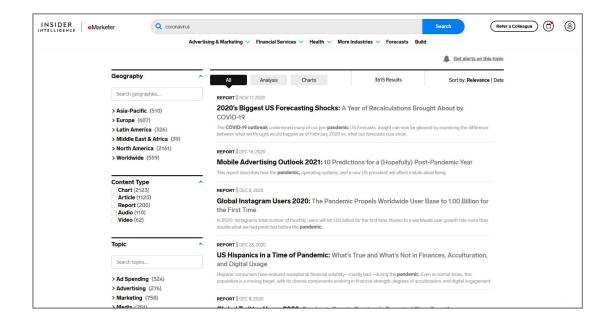






Real-time search taxonomy changes

- Avoid search drift
- Ownership
- Cost-savings



Insider Intelligence Future State







Projects in research

- Taxonomy service
 - SEO relevance
 - Cost savings
- Knowledge management
 - Auto-tagging
 - Predictive concept analysis

Taxonomy Management







Why use a taxonomy management system?

- Easy-to-user editing user interface
- Support for taxonomy/controlled vocabulary standards (SKOS, ANSI/NISO)
- Quality control and settings
- Importing and exporting in multiple formats
- Multi-user management
- Approval workflow
- History and rollback
- Managing multiple projects and linking projects
- Integrations into other systems
- Added features: text mining for enrichment and auto-tagging, auto-classification, semantic search, graph data management, etc.

Semantic Web Company & PoolParty







SWC is developer / vendor of **PoolParty Semantic Suite**

Most complete and secure

Semantic Middleware /

Semantic Al platform on
the Global Market

W3C standards compliant



ISO 27001:2013 certified

First release in 2009

Current version 8.0

On-premises or cloud-based



Over 150 clie

clients world-wide



Semantic AI:

Fusion of Graphs, NLP, and Machine Learning



Named as Visionary in **Gartner's Magic Quadrant** for Metadata Management Systems 2019 and 2020



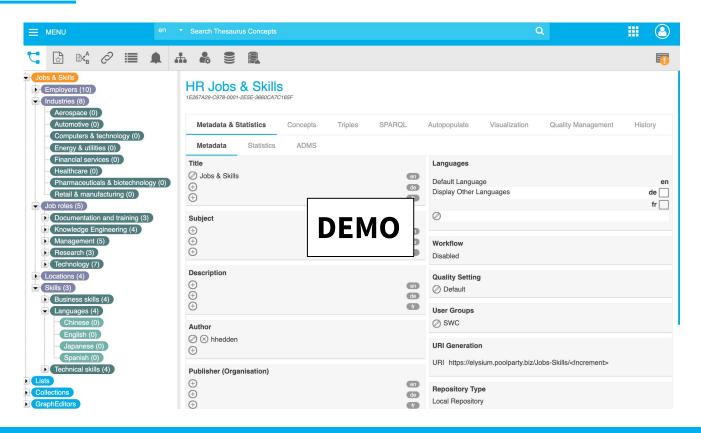
KMWorld listed
PoolParty as
Trend-Setting
Product 2015 - 2020
and in the AI 50 list of companies in 2020

Managing Taxonomies in PoolParty INSIDER INTELLIGENCE















Contact









Heather Hedden
heather.hedden@semantic-web.com
www.poolparty.biz



Jaimie Chung jchung@insiderintelligence.com www.insiderintelligence.com