

Ontology and Standards

Ontology Summit 2020 – Proposed Topic (v0)

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Ontology and Standards - Intro

| Domains -Subdomains | Solution - Application |
|---|--|
| Thesauri, Glossaries, Terms, Vocabularies | Mereology, Taxonomy, Hierarchy, ONTOLOGIES |
| Conceptual, Logical Physical Relational Databases | NoSQL and other columnar or Big Data |
| NL, Visuals, Graphs, logic, uncertainty models, Fuzzy Neural Networks | Read/write, models, Math, Statistics, Probabilities |
| OWL RDF BPMN UML SysML ODM DOL XBRL | OMG NIST UN ISO EDM |
| Interdomain, context/explanations, narratives, sub-setting metadata | Ontology-Ontology interoperation, gaps, overlaps, |
| Inputs during Chat July 3, 2019 from Mike, Mark, Ram, Ken, John, | Standards Database from Mark, John Sowa postings, NN and AI ML Standards (?) |

Ontology and Standards - Intro

Domains

Standards bodies

Applications / Solutions

Gaps and Overlaps

Ontology and Standards - Intro

- Upper Ontology of current standards
- Ontology of each standard
- Ontology of planned future standards
- Overlap, Gap and Crowding
- Hype-cycle of maturity of Standards by domains, and applications
- Integration or interoperation of ontology standards (e.g. BPMN2 and UML2, XMI) and of ontologies among standards