

WHAT CAN ONTOLOGIES DO FOR STANDARDISATION?

OntoCommons.eu project in the
standardisation ecosystem

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30 September 2021
15:00 CEST

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Examples of ongoing collaborations

Gerhard Goldbeck, Founder and CEO at Goldbeck Consulting



Standardisation landscape

OntoCommons is preparing a landscape analysis of initiatives to cooperate with in the standardisation field



International Society of Automation

About iiRDS

iiRDS aims to make intelligent information for smart users. It is a Consortium with over 30 members

Collaboration

OntoCommons and iiRDS stakeholders are discussing the technical potential of the different Ontology levels.

iiRDS stakeholders plan to apply to the StandICT.eu Open calls.

Standards

iiRDS is a standard for the delivery of intelligent information, provided with the product for the purpose of assisting the users in setting up, operating, and maintaining the product. iiRDS consists of:

- A vocabulary for the metadata provided with the content (e.g. product lifecycle phases, information types)
- A package format for the exchange of packages with intelligent information between different systems

Output

iiRDS may collaborate as an additional Ontocommons demonstrator and contribute content to the Ontocommons standardisation deliverable as well as to the Ontocommons roadmap.



About IOF

The IOF is a group working to co-create a set of open reference ontologies to support the manufacturing and engineering industry needs and advance data interoperability.

Collaboration

Barry Smith (IOF Governance board) is an EAB member; Dimitris Kiritsis (Co-Chair of the Technical Oversight Board), Hedi Karray (Technical Oversight Board) and Ana Correia (Technical Oversight Board) are OntoCommons Partners; and so are Dragan Stokic and Rebecca Siafaka, both Co-Chair of one of the IOF working groups

Standards

ISO/IEC 21838-1:2021 Information technology — Top-level ontologies (TLO) and ISO/IEC 21838-2 Information technology — Top-level ontologies (TLO) — Part 2: Basic Formal Ontology (BFO)

Output

OAGi and IOF agreed to produce open Industrial Ontologies that spans the entire domain of digital manufacturing.



About: EMMC ASBL, founded in 2019 to support materials modelling and digitalisation. Previous CSA project initiated **EMMO: Elementary Multiperspective Material Ontology** (formerly European Materials Modelling Ontology), EMMC is EMMO governing body.

Collaboration: Workshops, Dissemination, TLO/MLO/DLO interactions

Standards:

- CWA 17284: Materials modelling - Terminology, classification and metadata
ftp://ftp.cenelec.eu/CEN/Sectors/TCandWorkshops/Workshops/WS%20MODA/CWA_17284.pdf
- CWA (draft) Materials characterisation - Terminology, classification and metadata
<https://www.cenelec.eu/news-and-events/news/2021/workshop/2021-06-23-cen-ws-oyster-materials-characterisation/>

Output: Landscape and gap analysis, Demonstrators



EMCC

Thank you very much for your attention!


Gerhard Goldbeck, Founder and CEO at Goldbeck Consulting






Thank you

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