

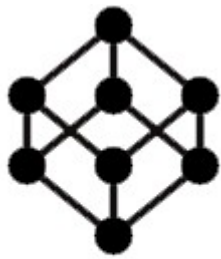
OOR

# Open Ontology Repository

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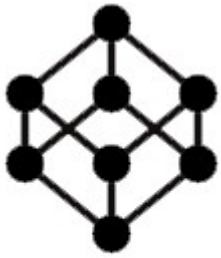
# Technical Standards and Ontologies

## **Some common characteristics**

- A technical standard is an explicit set of requirements for a system or service which is often, but not always, unambiguous.
- An ontology is a formalization of concepts and the relationships among them.

## **Some relationships**

- When a technical standard is unambiguous, it specifies an ontology.
- When an ontology is developed and accepted by a community, it becomes a standard.



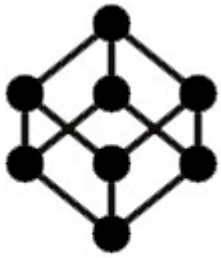
# OOR Goals and Objectives

## **Provide an architecture, specification and infrastructure that supports**

- Creation, sharing, searching, and governance-management of ontologies,
- Enabling and facilitating open, federated, collaborative ontology repositories,
- Multiple implementations

## **Standards-based objectives**

- Identification and promotion of best practices for expressing and sharing interoperable ontologies
- Logical access to multiple, automatically generated representations in real-time
- Workflows for developing, updating and approving ontologies
- Enforcement of policies for consistency and interoperability.



# OOR Use Cases for Standards

- Define workflows and policies
- Check policies and consistency
- Harmonize and map ontologies
- Publicize ontologies
- Query metadata
- Query content
- Register ontologies
- Review and evaluate ontologies
- Generate representations
- Web service support
- Interoperate with collaboration tools