CIDOC CRM Educational Materials

A discussion on didactic and pedagogical materials for the appropriation and application of CIDOC CRM
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What?

https://www.cidoc-crm.org/use_and_learn

Scope: determine aspects of semantic data education needed, relevant kinds of tools for use, and, consequently, educational materials required to support a learner in learning, appropriating and applying the CIDOC CRM.

Why?

- CIDOC CRM increasingly popular
- CIDOC CRM has evolved greatly over time
- CIDOC CRM has many extensions
- There are no (few?) formal training programs for doing ontology and semantics (and for Cultural Heritage)
- Material is dispersed, difficult, disorganized
- We have a chance to help people on the path to semantic integration
- It's complicated, let's try to simplify…

Approach

Definition: a person shall be considered to have learned to use CIDOC CRM in a particular implementation scenario just in case they are able to answer novel questions in an objectively verifiable manner

Premise I: individuals learning the CIDOC CRM for application are concerned with appropriating a sufficient knowledge of the standard or its use in implementation environments in order to be able to do something with data in a semantic format (model it, map it, transform it, build a system to store / manage it, query it, visualize it)

Premise II: the appropriation of CIDOC CRM will come at different levels and involve different involvements in technical tasks. Part of learning CIDOC CRM for any actual use application is to acquire a number of different skillsets which must be connected conceptually by the learner in order to arrive at a functional outcome.
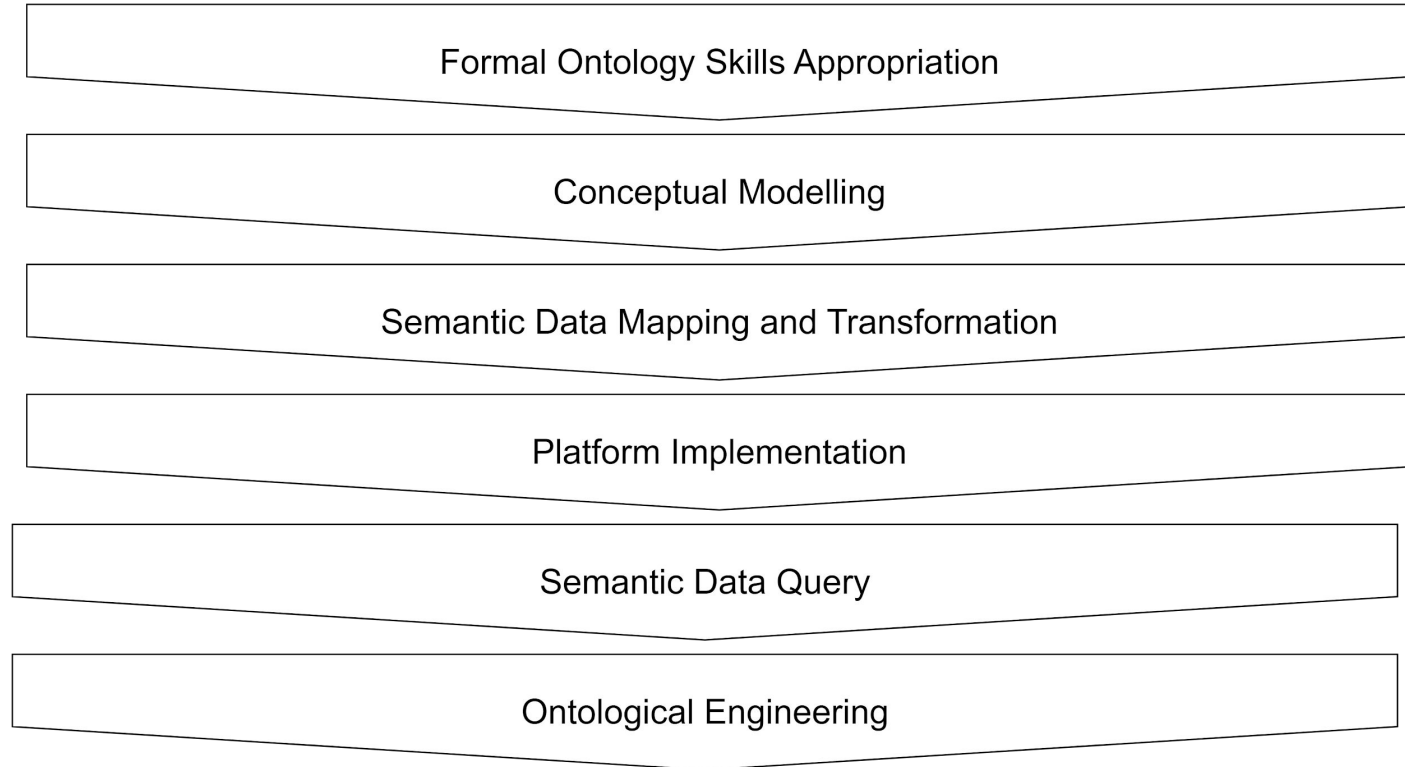
Topics for Discussion

- This idea as such
- The Audience(s) for this work
- The Segmentation of the Learning Topics
- Constant Needs / Elements across Learning Topics

Audience / Roles

- Researcher
- Implementer / Developer
- Manager
- Ontologist

Complete? Others? Bearing on Material?

Learning Segmentation

Formal Ontology Skills Appropriation

Conceptual Modelling

Semantic Data Mapping and Transformation

Platform Implementation

Semantic Data Query

Ontological Engineering

Needs for all Learning Segments

- Overall Definition
- Sub Elements
- Materials
- Tools / Software
- Bibliography
- Examples

Day Proposal

Hold a discussion on each of the finally decided learning elements and try to identify as many resources / information as possible that are available in principle and discuss what gaps exist and how they might be addressed