CIDOC CRM Educational Materials

A discussion on didactic and pedagogical materials for the appropriation and application of CIDOC CRM
9/5/2023 Heraklion, Crete
Facilitated by George Bruseker
What?

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.

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