Modelling of the Paintings by CIDOC-CRM

Maliheh Dorkhosh

Ph.D. Candidate in LIS, Ferdowsi University, Mashhad, Iran/
Head of Resources Acquisition and Organization Office, Central library and documentation center, University of Tehran, Iran

m.dorkhosh@gmail.com

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Contents

- Identifying concepts of the paintings
- Mapping the concepts to CIDOC-CRM
- Introducing probable extensions
- Data entry in the Qoqnus software
- Challenges
Identifying concepts of the paintings

• Three steps:

• Step 1
  • Use of worksheet of the paintings of Malek museum

• Step 2
  • Search and review of descriptive fields of other museums like the Armitage museum, the British Museum and the metropolitan museum

• Step 3
  • Using the elements of metadata schemas for art and paintings
The Malek National Museum\(^1\)

Collections of the Malek museum

- Manuscripts (17000)
- Coins and Medals (Nearly 7000)
- Calligraphies (169)
- Carpets (44)
- Stamps (3000)
- Documents and Decrees (44)
- Potteries, Ceramics (84)
- Miniatures (61)
- Paintings (57)
The Paintings Collection

Step 1: Worksheet of paintings (The Malek museum)
Step2: Other museums

Painting on Paper Showing a Sparrow on a Branch of Camellia

Takaseki Sakai, 1852–1888

Object Type: painting

Manuscript

Self-Portrait with a Straw Hat (obverse: The Potato Peeler)

van Gogh

Object Type: painting

Manuscript
Step 3: Metadata Schemas

VRA Core Schemas and Documentation

- VRA Core 4.0 Schemas (current version - released 04/09/2007)
  - Unrestricted Version - specifies the basic structure of the schema
  - Restricted Version - extends the unrestricted schema by adding controlled type lists and data formats
- 4.0 Supporting Documentation
  - English
    - VRA Core 4.0 Introduction (last updated 08/28/2014, PDF, 217 KB)
    - VRA Core 4.0 Element Outline (last updated 02/29/2008, PDF, 210 KB)
    - VRA Core 4.0 Element Description and Tagging Examples (last updated 04/06/2007, PDF, 520 KB)
    - Restricted Schema Type Values (last updated 04/04/2007, PDF, 460 KB)
  - Italian
    - VRA Core 4.0 Element Description and Tagging Examples (last updated 08/11/2014, PDF, 585 KB)
    - (Translation by Maria Emilia Masci - Italian Ministry for Cultural Heritage - Scuola Normale Superiore di Pisa)
  - Greek
    - VRA Core 4.0 Element Description and Tagging Examples (last updated 02/14/2011, PDF, 345 KB)
    - (Translation by Panarea Galiou and Manolis Gorgasoulis - Department of Archives)

schema.org

Organization of Schemas

The schemas are a set of ‘types’, each associated with a set of properties. The types are arranged in a hierarchy. The vocabulary currently consists of 841 Types, 1389 Properties, and 352 Enumeration values.

Browse the full hierarchy in HTML:
- One page per type
- Full list of types, shown on one page

Or you can jump directly to a commonly used type:
- Creative works: CreativeWork, Book, Movie, MusicRecording, Recipe, TVSeries ...
- Embedded non-text objects: AudioObject, ImageObject, VideoObject
- Event
- Health and medical types: notes on the health and medical types under MedicalEntity
- Organization
- Person
- Place, LocalBusiness, Restaurant ...
- Product, Offer, AggregateOffer
- Review, AggregateRating
CIDOC-CRM and the paintings

• Achievement of total concepts obtained from three steps
• Mapping the concepts to CIDOC-CRM
• Finding appropriate classes and properties for documenting concepts and relationships
• Extension of CIDOC-CRM for some class and properties
• Use of some British museum classes and properties and Dublin core elements.
Contents (values) and Cultural Heritage Information Management System

• Use of reference resources such as Art & Architecture Thesaurus, LC Authorities, VIAF, wikis and Art encyclopedias

• Translation of English contents to Persian and vice versa

• Data entry to Qoqnu (Introduced in 40th CIDOC CRM and 33rd FRBR CRM/ 15-18 January, 2018)
Challenges

• Lack of guidelines for CIDOC-CRM

• Finding equivalent terms in English for some concepts and contents

• Lack of information about some contents
I am eager to get your feedback via email

Thank you for your time and attention