Anthony Johnson

IST681 Metadata

Assignment 1

Dublin Core: Schema and Description

Fact Sheet:

**History:**

At the 2nd International World Wide Web Conference in 1994, Yuri Rubinsky, Stuart Weibel, and Eric Miller, who were all presenting on HTML and Web publishing, met and had a discussion on the difficulties of finding resources on the Web with the directors of OCLC Office of Research and NCSA (Terry Noreault and Joseph Hardin, respectively). This eventually led to the creation of Dublin Core.

Dublin Core first published after a workshop involving the National Center for Supercomputing Applications (NCSA) and the Ohio College Library Center (OCLC), taking place March 1995 in Dublin, Ohio. At this workshop, it was discussed how the Web could be made easier to search using a ‘core set of semantics’ that would categorize content for easy retrieval.

Since then, Dublin Core has been a staple in the metadata community.

Source: <https://www.dublincore.org/about/history/>

**Data structure:**

Dublin Core consists of several different elements that facilitate the organization of content:

* Contributor: a person, or organization that is responsible for making additional contributions to the content.
* Coverage: the area or time period where the content is relevant.
* Creator: The person(s) responsible for the creating the content.
* Date: the period of time that the content is relevant within its lifecycle.
* Description: a description of the content, such as a summary or abstract.
* Format: the type of content, such as the format of a digital file, type of physical medium, or its dimensions.
* Identifier: a reference to the content by an outside source.
* Language: the language the content is published in.
* Publisher: the person or organization responsible for making the content available for use.
* Relation: an outside resource related to the content.
* Rights: rights applicable to the content.
* Source: the resource where the content is obtained.
* Subject: the topic of the content.
* Title: the name of the content.
* Type: the genre or type of content.

Source: <https://www.dublincore.org/specifications/dublin-core/dces/>

**Data Values:**

The required vocabulary for DCMI type is:

* Collection: a group of resources.
* Dataset: structured data, such as lists or tables.
* Event: the location, duration, and entities surrounding the creation or discovery of a resource.
* Image: visual representation outside of text such as maps, film, graphs, etc.
* InteractiveResource: content that requires input from the user to function and be understood, like a webpage or video game.
* MovingImage: animated content, such as a film, video, or TV show.
* PhysicalObject: a three-dimensional item.
* Service: an entity that provides functional services, like banks or libraries.
* Software: a computer program designed for a specific task.
* Sound: audio content.
* StillImage: static visual content, like photos or graphics.
* Text: content primarily composed of words, like a novel or textbook.

Source: <https://www.dublincore.org/specifications/dublin-core/dcmi-type-vocabulary/>

**Data Content:**

According to Orbis Cascade Alliance, the best practices for all fields of Dublin Core are as follows:

* Separate multiple items with a semicolon and a space
* Provide the URI for the content being represented
* Provide local fields not typically provided, such as tags for advanced searching, fields for specific disciplines or communities, or any other field that may not me generally included in basic DCMI.

Source: <https://www.orbiscascade.org/programs/osdc/digital-collections/documentation/dublin-core-best-practices/>

**D-Lib Magazine Article XML:**

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 The European Union promotes programs of "mass digitization" in order to make the cultural and scientific resources in Europe accessible to all, and to preserve them for future generations. The Accessible Registries of Rights Information and Orphan Works Towards Europeana (ARROW) project began in September 2008 with the aim of facilitating the management of rights in digitization projects. Partial funding was provided by the European Commission under the programme "ICT Policy Support". The outcome of the project was an automated system for distributed management of rights information that meets the needs of digital libraries and is easily adaptable to other contexts of use. With the approval of the "ARROW Plus" project in April 2011, the system will be further improved, extending the number of covered countries, and integrating rights information about images contained in books.  
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**D-Lib Magazine XML:**

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 Corporation for National Research Initiatives suspended routine publication of D-Lib Magazine with the July/August 2017 issue. D-Lib was made available on the Internet in July 1995. More than 1,000 articles and a large number of shorter pieces, featured digital collections, calls, and notices appeared in its 265 issues. Its focus was on digital library research and development, including emerging technologies, applications, and contextual social and economic issues, and it appealed to a broad technical and professional audience. The primary goal was timely and efficient information exchange for the digital library community to help digital libraries be a broad interdisciplinary field.  
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