標準對數位化的重要性及影響性

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後設資料工作組

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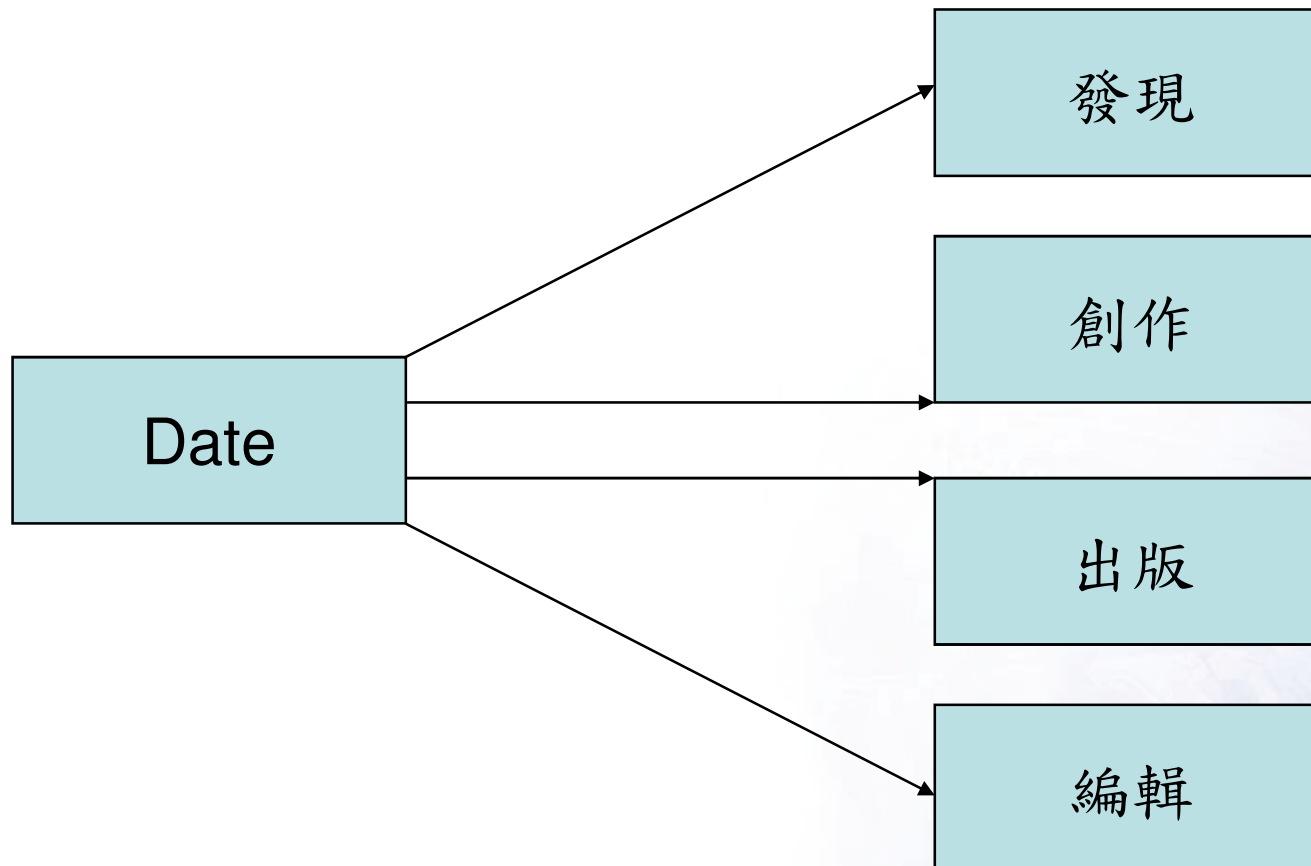
Outline

- 3個實例
- 標準的定義
- 標準的目的
- 標準的類型
- Metadata標準的種類
- 博物館界的MD標準實例
- CDWA, CDWA Lite, CCO, AAT, ULAN簡介
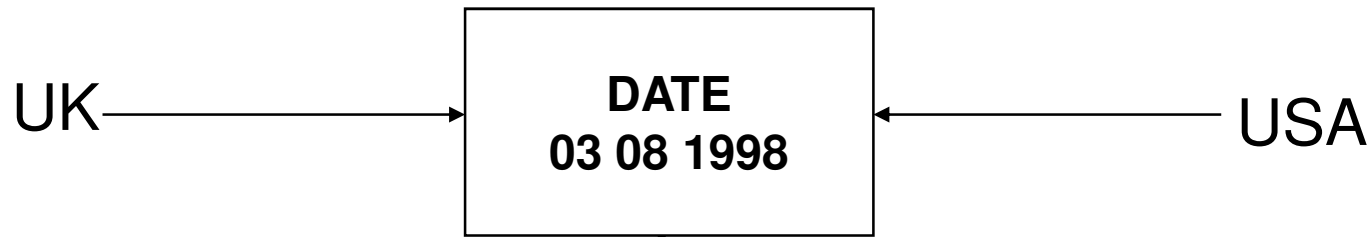- MCN Sig.
- Taiwan MCN Standard Sig.

1st example

Date → 發現

Date → 創作

Date → 出版

Date → 編輯

2nd example

UK →

DATE
03 08 1998

← USA

1998年
3月8日 OR
8月3日

3rd example

民國97年

平成20年

2008年

標準的定義[1]

- According to BSI, a standard is a published: "specification that establishes a common language, and contains a technical specification or other precise criteria and is designed to be used consistently, as a rule, a guideline, or a definition". http://www.standardsglossary.com/index.htm

- A technical standard is an established norm or requirement. It is usually a formal document that establishes uniform engineering or technical criteria, methods, processes and practices.

標準的定義[2]

- An acceptable level or criterion according to which something is compared, measured, or judged. Also refers to an amount, extent, quality, pattern, criterion, etc., fixed by usage or convention or established as the norm by prevailing authority. A standard may also be a specification that identifies model methods, materials, or practices. A de facto standard is one that becomes generally accepted without the formal endorsement of a standard-setting organization. A community standard is a de facto standard developed and used within a particular user group. - ODLIS
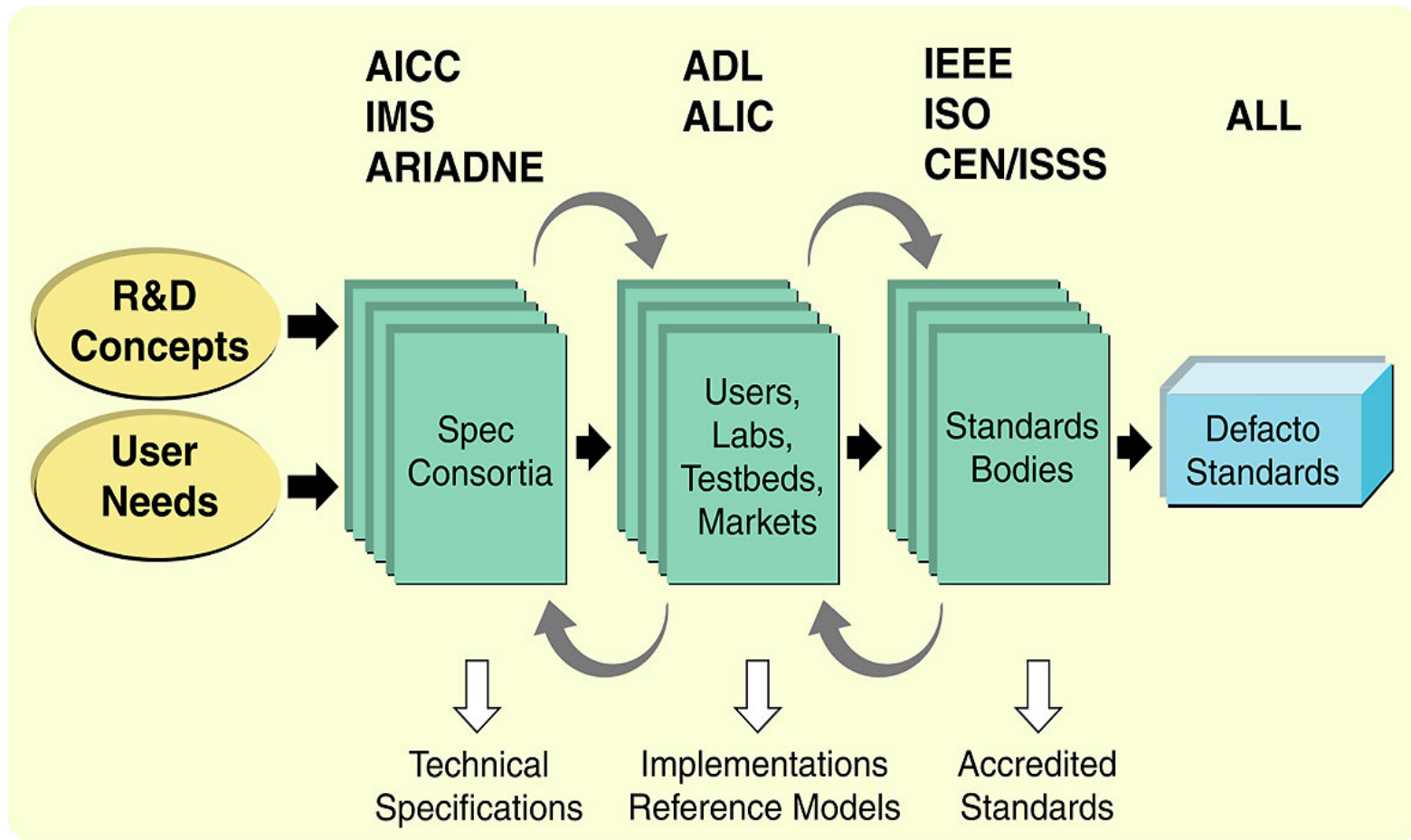
標準的目的

- Standardization
- Interoperability
  - Exchange
  - Integration
- Reuse or repurpose
- Others

標準類型-SCORM

標準類型-DSpace

- Supported
  DSpace fully supports the format.

- Known
  DSpace can recognize the format, but we cannot guarantee full support.

- Unsupported
  DSpace cannot recognize a format; such formats are listed as "application/octet-stream", or Unknown.

MIME type	Description	Extensions	Level
application/marc	MARC	marc, mrc	supported
application/mathematica	Mathematica	ma	known
application/msword	Microsoft Word	doc	known
application/octet-stream	Unknown	(anything not listed)	unsupported
application/pdf	Adobe PDF	pdf	supported
application/postscript	Postscript	ps, eps, ai	supported
application/sgml	SGML	sgm, sgml	known
application/vnd.ms-excel	Microsoft Excel	xls	known
application/vnd.ms-powerpint	Microsoft Powerpoint	ppt	known
application/vnd.ms-project	Microsoft Project	mpp, mpx, mpd	known
application/vnd.visio	Microsoft Visio	vsd	known
application/wordperfect5.1	WordPerfect	wpd	known
application/x-dvi	TeXdvi	dvi	known
application/x-filemaker	FMP3	fm	known
application/x-latex	LateX	latex	known
application/x-photoshop	Photoshop	psd, pdd	known
application/x-tex	TeX	tex	known
audio/x-aiff	AIFF	aiff, aif, aifc	supported
audio/basic	audio/basic	au, snd	known
audio/x-mpeg	MPEG Audio	mpa, abs, mpeg	supported
audio/x-pn-realaudio	RealAudio	ra, ram	known
audio/x-wav	WAV	wav	supported
image/gif	GIF	gif	supported
image/jpeg	JPEG	jpeg, jpg	supported
image/png	PNG	png	supported
image/tiff	TIFF	tiff, tif	supported
image/x-ms-bmp	BMP	bmp	known
image/x-photo-cd	Photo CD	pcd	known
text/html	HTML	html, htm	supported
text/plain	Text	txt	supported

Metadata標準的種類[1]

- Data fields and structure
- Data content and values
- Data format
- Data exchange

Metadata標準的種類[2]

	Museum	Library	Archive
Data Structure	CDWA	MARC	EAD
Data Content	CCO	AACR2 (RDA)	DACS
Data Format	XML	XML/ISO2709	XML
Data Exchange	OAI	OAI Z39.50 SRU/SRW	OAI

Source: Metadata for all, 2007

博物館界的MD標準實例

	Structure	Value	Content	Format	Exchange
CDWA	☆				
CDWA Lite	☆			☆	
CCO			☆		
AAT/ULAN		☆			
OAICat Museum					☆

CDWA

- Categories for the Description of Works of Art
- in the early 1990s
- a conceptual framework for describing and accessing information about works of art, architecture, other material culture, groups and collections of works, and related images.
- includes 512 categories and subcategories.
- a small subset of categories are considered core in that they represent the minimum information necessary to identify and describe a work.
- includes discussions, basic guidelines for cataloging, and examples.
- the curator, the registrar, the researcher, the information manager, the systems vendor.

CDWA Lite

- is an XML schema to describe core records for works of art and material culture based on the Categories for the Description of Works of Art (CDWA) and Cataloging Cultural Objects: A Guide to Describing Cultural Works and Their Images (CCO).
- Purpose
  - is to describe a format for core records for works of art and material culture, based on the data elements and guidelines contained in the CDWA and CCO.
  - CDWA Lite records are intended for contribution to union catalogs and other repositories using the Open Archives Initiative (OAI) harvesting protocol.
- Elements 1 through 19 in this schema are for descriptive metadata, based on CDWA and CCO.
- Elements 20 through 22 deal with administrative metadata.
- All attributes are optional unless otherwise noted.

CCO

- Cataloging Cultural Objects: A Guide to Describing Cultural Works and Their Images

- provides prescriptive guidelines for selecting, ordering, and formatting data used to populate catalog records.

- deals with information related to a subset of the CDWA Categories and the VRA Core Categories.
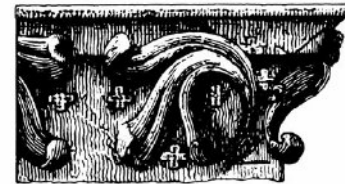
ASCC

AAT

- The Art & Architecture Thesaurus

- Purpose
  - data value standards
  - search assistants in database retrieval systems
  - research tools

Art & Architecture Thesaurus ®

Editorial Guidelines

ULAN

- The Union List of Artist Names
- 293,000 names and other information about artists

Union List
of Artist
Names ®

Editorial Guidelines

MCN Sig.

- **General Sig.**
  - Digital Media SIG
  - Information Technology SIG
  - Intellectual Property SIG
  - Metrics & Evaluation SIG
  - Small Museum SIG
  - Standards SIG
- **Regional Sig.**
  - California SIG
  - Pacific Northwest SIG
  - *Taiwan Chapter*
  - UK-Ireland SIG

MCN Taiwan Standard Sig.

- Identification
  - 有那些是Unique, 且具回饋與貢獻性的項目
  - 可以直接與MCN國際接軌的項目
  - 門檻低且最易實現的項目

- Suggestion
  - 可以從數位典藏的經驗及數位資訊生命週期入手

報告完畢，敬請賜教！