Metadata Architecture and Application Team / MCN Taiwan – Standards SIG

Application of CDWA Lite - MuseFusion Platform

MCN Conference

CDWA Lite, Museumdat, and CCO Joint Forum 2008/11/15

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MCN Taiwan- Standards SIG

Project Name Museum Collection Fusion Project (MuseFusion)



- Start fromthe beginning of 2008
- Objectives Build a collection database to try various experiment on standards.

MuseFusion

- 2008 Goals-
- 1. Evaluate the feasibility of CDWA Lite
 - (1) describing Taiwan's culture and archives
 - (2) used as the data exchange format in Taiwan on OAI-PMH technology
- 2. Establish the Best Practice of CDWA Lite (include the formation of: cataloging manual / control vocabulary...etc.)

MuseFusion

http://mcntw-stds.teldap.tw:8080/musefusion/



This year the SIG has implemented the prototype **MuseFusion**, adopting archives description standard (CDWA Lite) and network technology (OAI-PMH). All the mandatory elements of CDWA Lite are adopted by MuseFusion(except <21.1 Record ID>), but only 18 elements are adopted for web-based user interface.

Structure	CDWA Lite	
Content	CCO	
Format / Encoding	XML, UTF-8	
Exchange	OAI / OAICatMuseum	

MuseFusion Features

Members of MuseFusion



- CDWA Lite
 - Intended for (1)contribution to union catalogues
 - (2)repositories using the Open Archives Initiative (OAI)

- Members of MuseFusion
 - (1)Organization-museums, archives, universities, research centers and governmental ministries.
 - (2)Individual- Teachers, photographers, private collectors

IT Experienced People

Domain Experts, but have little or none digitization experience





Museum	National Palace Museum 國立故宮博物院			
	National Taiwan Museum 國立台灣博物館			
	National Museum of Natural Science 國立自然科學博物館			
	National Museum of History 國立歷史博物館			
Archive	Academia Historica 國史館			
	National Archives Administration檔案管理局			
University	National Taiwan University 國立台灣大學			
Ministry	Council for Hakka Affairs, Executive Yuan 行政院客家委員會			
	Taiwan Forestry Research Institute, Executive Yuan 行政院農委會林業試驗所			
Research Center	Academia Sinica 中央研究院			

 Individual (elementary school teacher / photographer/ private collector...)

Workflow

- 1. Use CDWA Lite to implement the prototype (include all mandatory elements, except <21.1 Record ID>).
- 2. Adopted 18 elements for web-based user interface.
- 3. Hold a Cataloging Workshop (Cataloging Manual is based on CDWA Lite and CCO)
- 4. Each member provides few records.



There are over 50 records in Musefusion.

∨ →

MuseFusion Start Page - Microsoft Internet Explorer

編輯(E) | 檢視(Y) 我的最愛(A) 工具(T) 説明(H)



























http://mcntw-stds.teldap.tw:8080/musefusion/



博物館藏品資料互通實驗(MuseFusion)



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English

MuseFusion 測試平台

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杳詢 (Search)

使用者登入 (Log in)

使用者註冊(New User)

資料管理頁

MuseFusion測試平台

Record

編號 (number)	標題 (Title)	作者(Creator)	類型 (Object/Work- Type)	典藏單位/所在地 (Location/Repository)	Detail
49	Cloisonné box with lotus-spray decoration	unknown Chinese	artifacts	National Palace Museum	<u>Detail</u>
50	Tibetan Buddha	N/A	paintings	National Museum of History	Detail
51	臺大八十檔案 藝術書法比賽 作品		書法	國立臺灣大學總務處文書組 檔案股	<u>Detail</u>
52	Tri-color Glazed Chimera	unknown Chinese	artifacts	National Museum of History	<u>Detail</u>
53	臺大八十檔案 藝術書法比賽 作品		書法	國立臺灣大學總務處文書組 檔案股	<u>Detail</u>
54	臺大八十檔案 藝術書法比賽 作品		書法	國立臺灣大學總務處文書組檔案股	<u>Detail</u>

數位典藏與數位學習 國際

中文版 (Chinese Version) 物件作品-類型 paintings (Object/Work - Type) 標題 (Title) Tibetan Buddha 創作者(Creator) N/A Qianlong era of the Qing Dynasty

創作日期 (Creation Date) 創作日期起 (Earliest Date) 1736

創作日期迄 (Latest Date) 1795 測量值 (Measurement) 240x169.5cm

典藏單位/所在地

National Museum of History (Location/Repository Name)

主題 (Subject)

Tibetan elements. It is said that this painting was a good luck painting given by Qianlong to his mother on the occasion of her birthday. In this Amit?bha Buddha painting, the figure is holding a wish-fulfilling tree, which easily propagates and symbolizes 描述註(Descriptive Note) "long life", which shows that this is a Buddha of Immeasurable Life. This is the best gift for wishing someone longevity. The main image appears repeatedly, symbolizing the repeated chanting of proverbs to spread the power of the dharma of the Buddhas and Bodhisattvas.

The "Buddha of Immeasurable Life," in the collection of this museum is a reproduction of a Tibetan thangka. The main image gestures toward the sky and the earth and bears the sun, moon, water, and earth patterns. It is said that this painting was a good luck painting given by Qianlong to his mother on the occasion of her birthday. Some say that it is a representative work of the 描述註(Descriptive Note) Zhongzheng Dian Hall, and some say that it was commissioned to a Tibetan artist. The features of the Buddha in this work are more tranquil and gentle than the usual dramatically rippling lines of the Tibetan style. The wide chest and thin waist continue on from the style of the Ming Dynasty's Yongle era. The celestial robe drapes down to both sides of the lotus seat, which is a characteristic of image paintings of the Qianlong era.

紀錄來源 (Record Source)

紀錄來源 (Record Source)

National Museum of History

Zhang Ci-An. National Museum of History Editing Committee. "Fine Pieces of the National Museum of History Collection". Taip 紀錄來源 (Record Source) ei. 1997.

🗐 44:65:55 RW

Paintings of the Qianlong era of the Qing Dynasty were influenced by religious beliefs, so a large number of them portrayed

Ge Wan-Zhang, "Questions about Tibetan Religious Art Imagery". Palace Academic Quarterly, Vo. 5-4, Taipei, 1988.

中文版 (Chinese Version)

物件/作品 - 類型 (Object/Work - Type)	artifacts		
標題 (Title)	Cloisonné box with lotus-spray decoration		
創作者 (Creator)	unknown Chinese		
創作日期 (Creation Date)	Ming Dynasty, Ching-t'ai reign		
創作日期起 (Earliest Date)	1450		
創作日期迄 (Latest Date)	1456		
測量値 (Measurement)	6.3cm(height of body), 12.4cm(diameter of mouth), 634.6gram(weight)		
材質/技法 (Material/Techniques)	copperware; multi-color glaze, Cloisonné		
典藏單位/所在地 (Location/Repository Name)	National Palace Museum		
主題 (Subject)	plant flower passionflower (Indian-lotus)		

英文版 (English Version)

物件/作品 - 類型 (Object/Work - Type)	器物		
標題 (Title)	明景泰掐絲琺瑯番蓮紋盒		
其他標題 (Other Title)	銅琺瑯盒(景泰年製)	CO P	
創作者 (Creator)	不詳		
創作日期 (Creation Date)	明景泰(西元1450-1456年)		
創作日期起 (Earliest Date)	1450		
創作日期迄 (Latest Date)	1456	Janes Lines Lines	
測量値 (Measurement)	全器高6.3公分,口徑12.4公分,重634.6公克。		
材質/技法 (Material/Techniques)	鉤胎;多彩釉,掐絲		

風格 (Style)

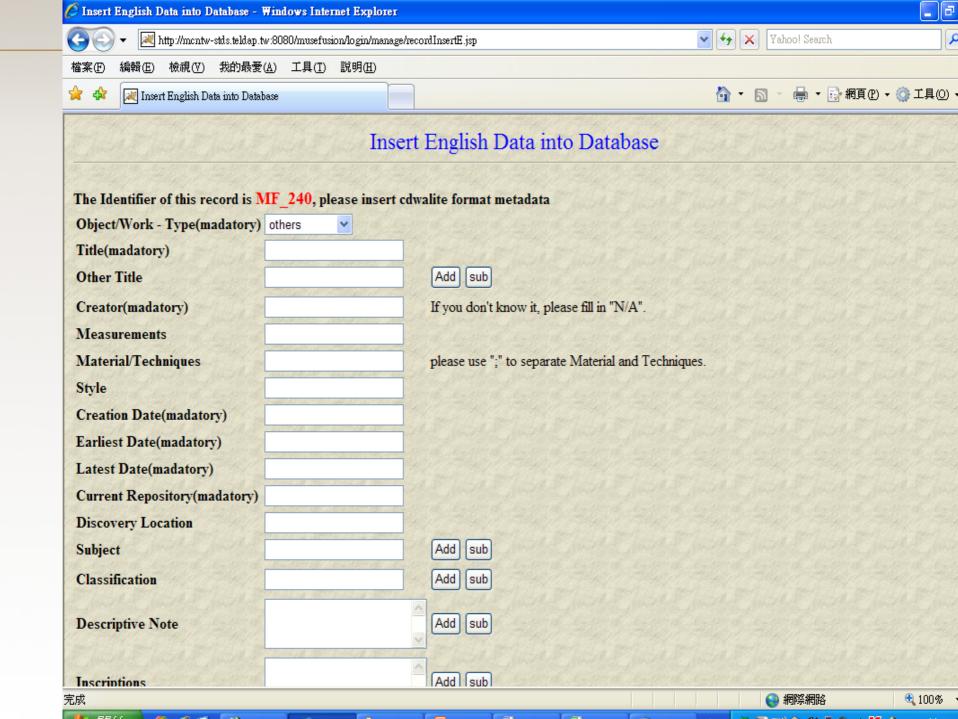


cdwalite English record Insert Dylete Update

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cdwalite 中文資料

新增 删除 修改



Descriptive Metadata

Administrative Metadata

- 1. Object/Work type (CDWA Lite <1.1 Object/Work type>)
- 2. Title (CDWA Lite <2.1.1 Title>)
- 3. Other Title
- 4. Creator (CDWA Lite <3.Display Creator>)
- Measurements (CDWA Lite <5.Display Measurements>)
- **6. Materials/Techniques** (CDWA Lite<7.Display Materials/Techniques>)
- 7. Style (CDWA Lite <10.1 Style>)
- 8. Creation Date (CDWA Lite <12. Display Creation Date >)
- 9. Earliest Date (CDWA Lite <13.1.2 Earliest Date>)
- 10. Latest Date (CDWA Lite <13.1.3 Latest Date>)
- 11.Current Repository (Cdwa Lite <14.1.1 Location/Repository Name>)
- **12. Discovery Location** (Cdwa Lite <14.1.1 Location/Repository Name>)
- **13.Subjects** (CDWA Lite <15.1.2. Sub-element: Indexing Subject Term >)
- **14.Classification** (CDWA Lite <16.1. Subelement: Classification >)
- **15.Description** (CDWA Lite <17.1.1. Subelement: Description/Descriptive Note >)
- **16.Inscriptions** (CDWA Lite <18.1 Inscriptions>)

17.Resource Source (CDWA Lite p32 <22.1.10 Resource Source>)

18.Resource link (CDWA Lite p30 <22.1.1 Link resource>)

<2.1.1 Title>
Attributes: type, pref, lang

<14.1.1 Location/repository Name>
Attributes: type, tersourceID
Recommended values for type:
discoveryLocation

Elements in MuseFusion¹

CCO

- 1. Object/Work type (CDWA Lite <1.1 Object/Work type>)
- 2. Title (CDWA Lite <2.1.1 Title>)
- 3. Other Title
- 4. Creator (CDWA Lite <3.Display Creator>)
- Measurements (CDWA Lite <5.Display Measurements>)
- 6. Materials/Techniques (CDWA Lite<7.Display Materials/Techniques>) (CCO p123-125)
- 7. Style (CDWA Lite <10.1 Style>) (CCO p156)
- 8. Creation Date (CDWA Lite <12. Display Creation Date >) (CCO p157-158)
- 9. Earliest Date (CDWA Lite <13.1.2 Earliest Date>)
- 10. Latest Date (CDWA Lite <13.1.3 Latest Date>)

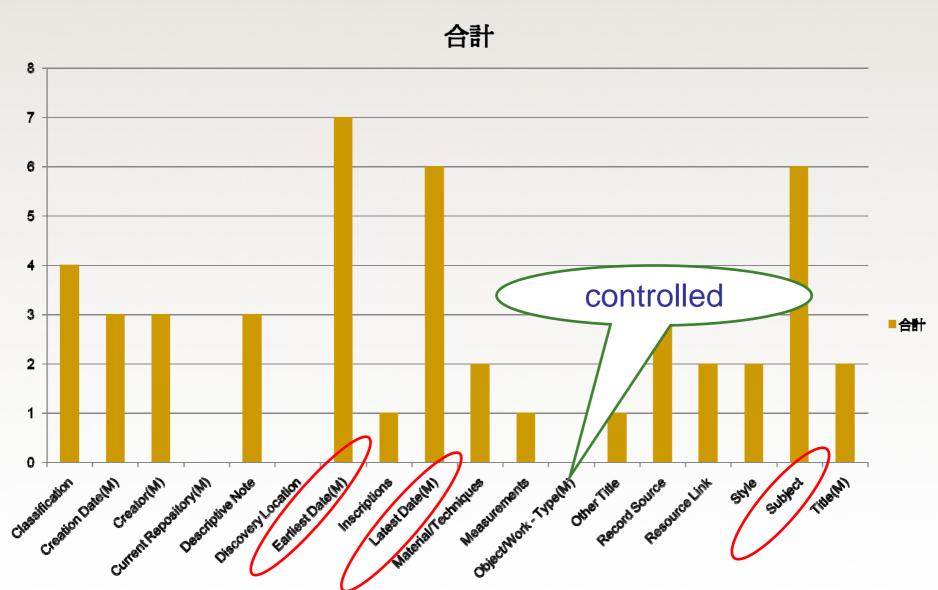
Elements in MuseFusion²



- 11.Current Repository (Cdwa Lite <14.1.1 Location/Repository Name>) (CCO p183)
- 12.Discovery Location (Cdwa Lite <14.1.1 Location/Repository Name>)
- **13.Subjects** (CDWA Lite <15.1.2. Sub-element: Indexing Subject Term >)
- **14.Classification** (CDWA Lite <16.1. Sub-element: Classification >) (CCO p235)
- **15.Description** (CDWA Lite <17.1.1. Sub-element: Description/Descriptive Note >)
- 16.Inscriptions (CDWA Lite <18.1 Inscriptions>)
- **17.Resource Source** (CDWA Lite p32 <22.1.10 Resource Source>)
- 18.Resource link (CDWA Lite p30 <22.1.1 Link resource>)

Cataloging Problems

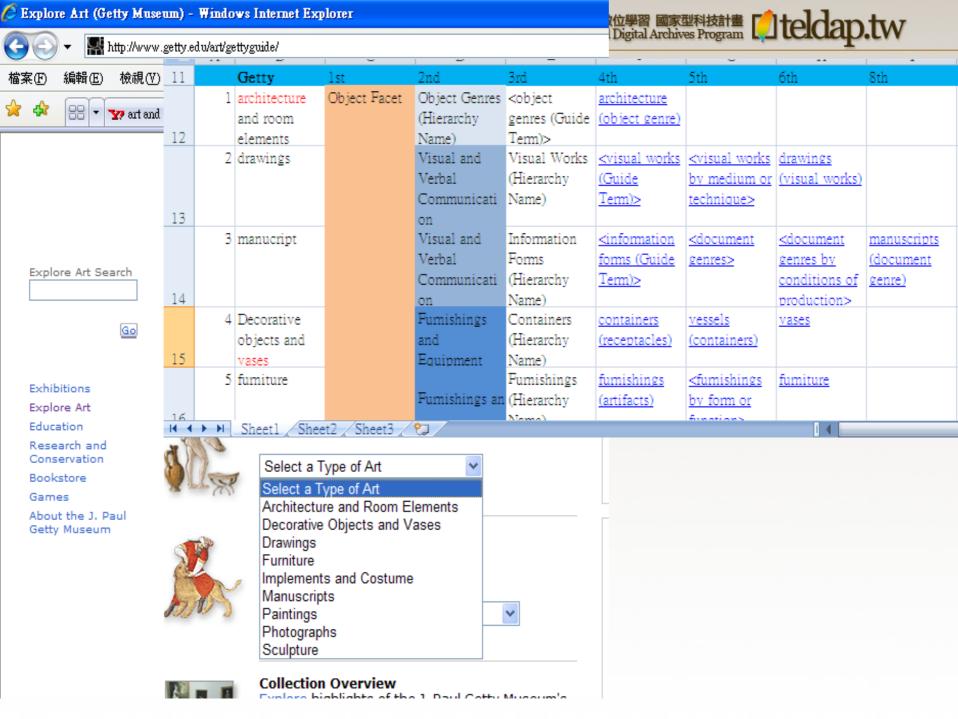
Overview



Cataloging Problems

- 1. Object/Work type (CDWA Lite <1.1 Object/Work type>)
 - Data values: controlled(AAT)- textiles, paintings, calligraphy, artifacts, specimens, architecture, photographs, and others.

	1st	2nd	3rd	4th	5th	6th
1建築	Object Facet	Object Genres (Hierarchy Name)	<object (guide<br="" genres="">Term)></object>	architecture (object genre)		
2器物 3編織				artifacts <object by="" genres="" material=""></object>	textiles	
4標本				<pre><object by="" function="" genres=""></object></pre>	samples	specimens
5書法		Visual and Verbal Communication	Visual Works (Hierarchy Name)	<visual (guide<br="" works="">Term)></visual>	<visual by="" medium="" or="" technique="" works=""></visual>	calligraphy (visual works)
6攝影 7繪畫						photographs paintings



1. Object/Work type (CDWA Lite <1.1 Object/Work type>)



artifact or specimen?

National Museum of Natural Science

AAT-Note

Specimens

Note: Individual samples or units that are deliberately selected for examination, display, or study, and are usually chosen as typical of their kind.

Artifacts

Note: Generally, objects made or altered by humans, typically manually portable products of human workmanship, such as tools, utensils, objects for personal adornment, or art. Specifically, in archaeology, an artifact is an object made by a human culture, as distinguished from natural remains, and later recovered by an archaeological endeavor. In the context of objects specifically collected by museums, see also "cultural artifact." Do not use for the technical and medical sense, that is, for a product or effect that is not present in the natural state of an organism or system, but occurs due to the investigation itself or due to some other extraneous activity.



物件/作品 - 類型 (Object/Work - Type)	標本 specimens	
標題 (Title)	白梅花蛇	
其他標題 (Other Title)	Lycodon ruhstrati(拉丁學名)	
其他標題 (Other Title)	White plum blossom snake	
創作者 (Creator)	不詳	
典藏單位/所在地 (Location/Repository Name)	國立臺灣博物館	
發現位置 (Discovery Location)	台灣南投縣	Repository
主題 (Subject)	標本蛇	classification
分類 (Classification)	爬蟲類(蛇亚目)標本	
分類 (Classification)	TTE	轟亞綱-鱗龍下綱-有鱗目-蛇亞目-真蛇下目-黃頷蛇科-黃頷蛇亞科-白瑰 om-Division-Class-Order-Family- Genus

3. Creator

(CDWA Lite <3.Display Creator>)

What if the work has too many creators and

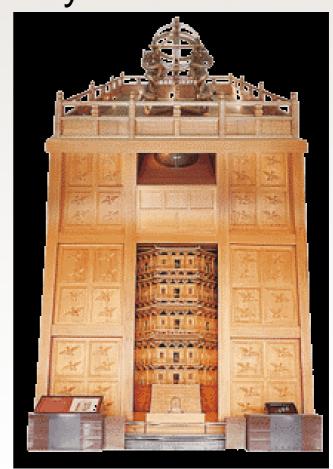
contributors?

Title-

Water-Powered Armillary (Sphere) and Celestial (Globe) Tower

Measurements-

7x7x12M



Problem about cataloging Creator

- Water-Powered Armillary (Sphere) and Celestial (Globe) Tower
 - Design plan from the book of Su Song (original inventor, 14th centry)
 - National Museum of Natural Science (research and re-build the object)
 - ▶ 助理研究員郭美芳小姐在漢堡德館長的指導之下即著手研究解讀《新儀象法要》及繪製施工圖 (Curator)
 - 本館同仁陳有德、林政傑二位負責打造樞輪機件

系統裝置(University)

Catalog the research and re-build process in <17.1.1 description/descriptive note>

大歷史研究所黃一農教授研究「渾象」星

製作「渾儀」、「渾象」(Company)

Thanks For Your Attention~

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