



# 索引典在數位典藏的規劃與應用

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## 大綱

- (一) 導論與基本原理
- (二) 應用範例
- (三) 規劃與設計原則
- (四) 建構方法
- (五) 管理
- (六) 問題與討論



## (一) 導論與基本原理

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## 導論

### 索引典(Thesauri)?

從數位典藏/圖書館面臨的挑戰談起...

- 改善檢索效益，以處理大量的典藏資訊
- 為不同媒材的典藏資訊，提供統一查詢機制
- 為使用者提供知識為本的查詢機制
- 支援個人或工作團隊建立與維護資訊系統
- 支援資訊尋求行為，成為解決問題、學習與 智性工作的一部分
- 支援合作性工作
- 讓學術傳播運行於電腦支援的多邊對話中

索引典，知識本體(ontologies)，分類(taxonomies)...可以來支援這些功能

知識組織系統



## 知識組織系統之概觀

- 用詞清單(Term Lists)
  - 權威檔(Authority files)
  - 詞彙表(Glossaries)
  - 字典(Dictionaries)
  - 地名詞典(Gazetteers)
- 分類與類目(Classification and Categories)
  - 主題標目(Subject headings)
  - 分類表或類目表(Classification Schemes, Taxonomies, and Categorization Schemes)
- 關聯性清單(Relationship Lists)
  - 索引典(Thesauri)
  - 語意網路(Semantic Networks)
  - 知識本體(Ontologies)



## 權威檔(Authority Files)

- *Authority Files.*

Authority files are **lists of terms** that are used to **control the variant names for an entity or the domain value for a particular field**. Examples include **names for countries, individuals, and organizations**. **Nonpreferred terms may be linked to the preferred versions**. This type of KOS generally does **not include a deep organization or complex structure**. The presentation may be alphabetical or organized by a shallow classification scheme. A limited hierarchy may be applied to allow for simple navigation, particularly when the authority file is being accessed manually or is extremely large. Examples of authority files include the Library of Congress Name Authority File and the Getty Geographic Authority File.



# 權威檔(Authority Files)

Authority Headings Search (Library of Congress Authorities) - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

地址: http://authorities.loc.gov/cgi-bin/Pwebrecon.cgi?DB=local&PAGE=Find

The Library of Congress

LIBRARY OF CONGRESS AUTHORITIES

SOURCE OF HEADINGS: Library of Congress Online Catalog

Help Search Search History Headings List Start Over

**Authority Headings Search**

Search Text: Taiwan

Search Type: Subject Authority Headings

25 records per page

Begin Search Clear Search

**Authorities Search Tips**

Search Type	Brief Help (select a search type for detailed Help)
General Tips	<ul style="list-style-type: none"><li>- All searches are "left-anchored" (enter search starting with leftmost word)</li><li>- Keyword searching is not available</li><li>- Omit all punctuation (including "-" in subject headings)</li><li>- Drop initial articles for titles</li><li>- Truncation is automatic</li></ul>
Subject	<ul style="list-style-type: none"><li>- Searches LC Subject Headings and Annotated Card Program (AC) Headings</li><li>- Does not search free-floating subdivisions directly</li></ul>

http://authorities.loc.gov



# 權威檔(Authority Files)

Labelled Display (Library of Congress Authorities) - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

地址: http://authorities.loc.gov/cgi-bin/Pwebrecon.cgi?AuthRecID=1900970&v2=1&HCL=1&SEQ=20041125134426&PID=13514

Previous Next

MARC Display Labelled Display

LC Control Number: n 80022631

Cancel/Invalid LCCN: n 50060462 sh 85131969

HEADING: Taiwan

Used For/See From:

- Taiwan Sheng zheng fu
- T' ai-wan sheng cheng fu
- Taiwan xing zheng zhang guan gong shu
- T' ai-wan xing zheng zhang guan kung shu
- Taiwan Sheng xing zheng zhang guan gong shu
- T' ai-wan sheng xing zheng zhang guan kung shu
- T' ai-wan
- Taiwan
- Formosa
- Taiwan S' otokufu
- Government-General of Taiwan
- Taiwan sheng
- T' ai-wan sheng
- Taiwan Provincial Government
- Taiwan zong du fu
- T' ai-wan zhong tu fu
- Xiaoluqu

Special Note: SUBJECT USAGE: As a geographic subdivision, this heading is used directly. Includes the old catalog heading: Formosa, Formosa (Government-General of Taiwan, 1895-1945)

Found In:

- Reference papers on economic development ... 1988- : v. 1, t.p. (Republic of China)
- T' ai-wan sheng chao yu t' ung chu, 1993: colophon (T' ai-wan sheng cheng fu, Taiwan Provincial Government, Republic of China)
- T' ai-wan pao t' u, 1996: t.p. (T' ai-wan zhong tu fu)
- Xiaoluqu di fu nù zheng huo yan jiu, 1993: p. 35 (Taiwan had once been called Xiaoluqu)

http://authorities.loc.gov



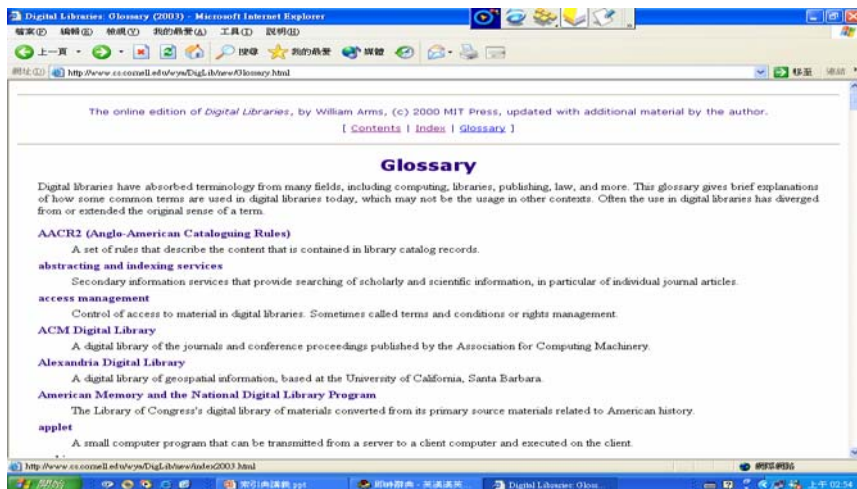
## 詞彙表(Glossaries)

- *Glossaries*

A glossary is a **list of terms, usually with definitions**. The terms may be from a **specific subject field** or from a particular work. The terms are defined **within a specific environment** and rarely include variant meanings. Examples include the Environmental Protection Agency (EPA) Terms of the Environment.



## 詞彙表(Glossaries)



<http://www.cs.cornell.edu/wya/DigLib/new/Glossary.html>

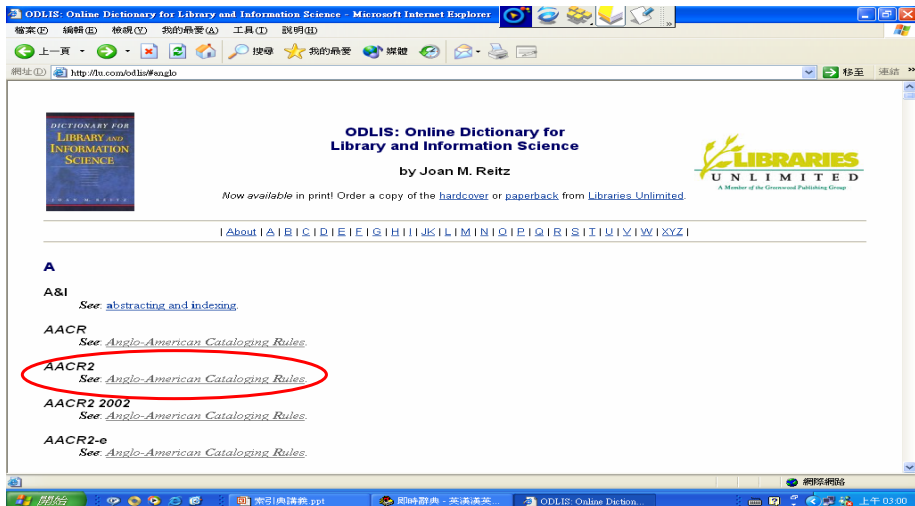


# 字典(Dictionary)

- A **dictionary** is a listing of words and phrases giving information such as spelling, morphology and part of speech, senses, definitions, usage, origin, and equivalents in other languages (bi- or multilingual dictionary)

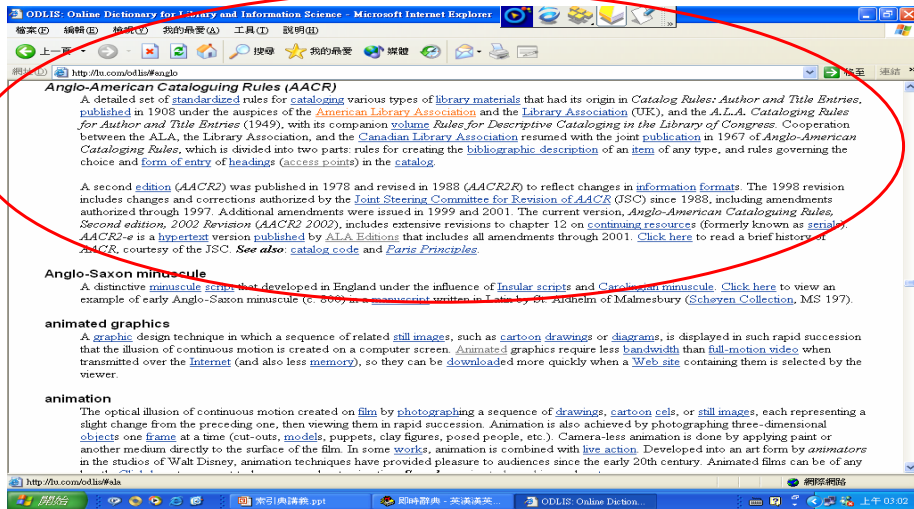


# 字典(Dictionary)





# 字典(Dictionary)



<http://lu.com/odlis/>



# 地名詞典(Gazetteers)

- *Gazetteers*

A gazetteer is a **list of place names**. Traditional gazetteers have been published as books or have appeared as indexes to atlases. Each entry may also be **identified by feature type, such as river, city, or school**. An example is the U.S. Code of Geographic Names. Geospatially referenced gazetteers provide coordinates for locating the place on the earth's surface.





## 地名詞典(Gazetteers)

Gazetteer Server Client - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

地址(1) http://middleware.alexandria.ucsb.edu/client/gaz/adl/index.jsp

Alexandria Digital Library Gazetteer Server Client. Using ADL Server Use ESRI Server

Search Result: 17 matches (Problem Report)

#	names	Class
1	Taiwan	countries
2	Dawan - Guangdong Sheng - China	populated places
3	Central Basin Trough	ocean trenches
4	Buo-i-tai-Nwan Tach-hueh - Taiwan	educational facilities
5	Taiwan Strait - Taiwan	channels
6	Taiwan Banks - Taiwan	reefs
7	Taiwan T'ang-yeh-shih-ven-ao - Taiwan	research facilities
8	Taiwan T'ang-kung-ssu - Taiwan	industrial sites
9	Taiwan - Taiwan	political areas
10	Taiwan Sheng - Taiwan	countries, 1st order divisions
11	Taiwan Strait	channels
12	Taiwan Banks	reefs

My last query was :

query request:

Placename (contains-all-words): Taiwan

Please set at least one search condition.

Location: ☐ within map ☐ overlaps map ☐ anywhere

Place Name:  has all words

Feature Type: (Feature Type Thesaurus)

Any Type:

General Categories: administrative areas, hydrographic features, land parcels, manmade features, physiographic features, regions, administrative areas, military areas

Search

Reset

Place Status: ☐ ANY ☐ Current ☐ Former ☐ Proposed

清除網路

http://middleware.alexandria.ucsb.edu/client/gaz/adl/index.jsp



## 主題標目(Subject Headings)

- *Subject Headings*

This scheme type provides a set of controlled terms to represent the subjects of items in a collection. Subject heading lists can be extensive and cover a broad range of subjects; however, the subject heading list's structure is generally very shallow, with a limited hierarchical structure.





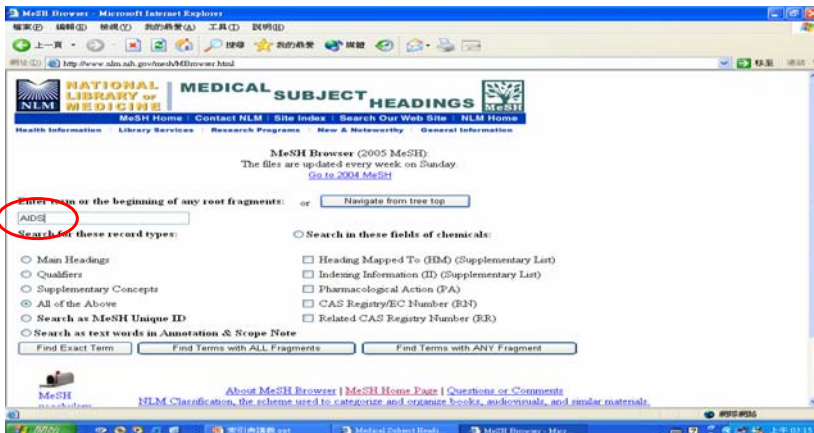
# 主題標目 (Subject Headings)



<http://www.nlm.nih.gov/mesh/meshhome.html>



# 主題標目 (Subject Headings)



<http://www.nlm.nih.gov/mesh/meshhome.html>



# 主題標目 (Subject Headings)

Acquired Immunodeficiency Syndrome - Microsoft Internet Explorer	
國家 (E) 編輯 (E) 我的最愛 (A) 工具 (I) 說明 (E)	
地址 (A) http://www.nlm.nih.gov/mesh/2005/MeSH.cgi	
National Library of Medicine - Medical Subject Headings	
2005 MeSH	
MeSH Descriptor Data	
<a href="#">Return to Entry Page</a>	
MeSH	Acquired Immunodeficiency Syndrome
Heading	
Tree Number	<a href="#">C02.782.815.616.400.040</a>
Tree Number	<a href="#">C02.800.801.400.040</a>
Tree Number	<a href="#">C02.839.040</a>
Tree Number	<a href="#">C20.673.480.040</a>
Annotation	caused by HIV, coord IM with <a href="#">HIV-1</a> or <a href="#">HIV-2</a> (IM) if pertinent; / <a href="#">epidemiol</a> consider also <a href="#">HIV SEROPREVALENCE</a> , <a href="#">AIDS-RELATED OPPORTUNISTIC INFECTIONS</a> is available if particularly discussed; see note there, for lymphoma with <a href="#">AIDS</a> , use <a href="#">LYMPHOMA, AIDS-RELATED</a>
Scope Note	An acquired defect of cellular immunity associated with infection by the human immunodeficiency virus (HIV), a CD4-positive T-lymphocyte count under 200 cells/microliter or less than 14% of total lymphocytes, and increased susceptibility to opportunistic infections and malignant neoplasms. Clinical manifestations also include emaciation (wasting) and dementia. These elements reflect criteria for <a href="#">AIDS</a> as defined by the <a href="#">CDC</a> in 1993.
Entry Term	<a href="#">AIDS</a>
Entry Term	<a href="#">Immunodeficiency Syndrome, Acquired</a>
Entry Term	<a href="#">Immunologic Deficiency Syndrome, Acquired</a>
Entry Term	<a href="#">Acquired Immune Deficiency Syndrome</a>
Entry Term	<a href="#">Acquired Immuno-Deficiency Syndrome</a>
See Also	<a href="#">AIDS Antenna, Central Nervous System</a>

<http://www.nlm.nih.gov/mesh/meshhome.html>