

## A Virtual International Authority File

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Presentation by  
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## Objectives

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- Facilitate sharing to reduce cataloguing costs to libraries, museums, archives, rights management agencies, etc.
- Simplify creation and maintenance of authority records internationally
- Enable users to access information in the language, script, form they prefer

## Authority control virtues

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- "Precision" in searching
- Syndetic structure of references to help navigate (the variant forms of name/title/subject/etc.)
- Displays to collocate works
- Links to forms used in particular resources
- Bring library catalogues into the mix of tools available on the Web

## Virtual International Authority File (VIAF)

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## IFLA UBC authority principles

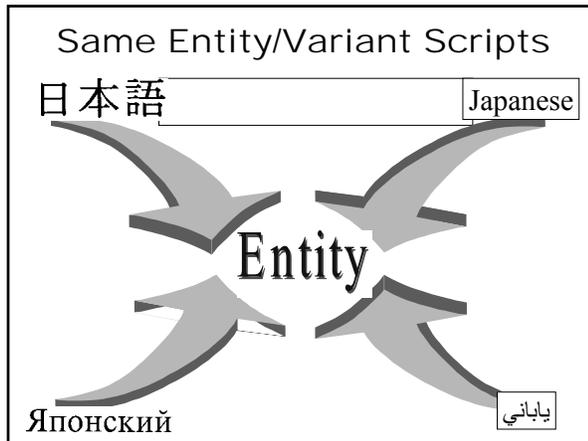
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- Each country responsible for authority headings for its own personal and corporate authors
- National authority records available for everyone to use
- Same form and structure used worldwide

## New view of UBC

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- User perspective - to display script/language(s) of one's own country
- Bibliographic agencies still responsible for control in their own countries (or region/cataloguing rules/etc.)
- Link forms established in "national" or "regional" authority files to create a virtual international authority file



### Entities

- Crosswalks and Mappings - not always 1-1
  - Examples of differences among cataloguing rules
    - Ships
    - Events
    - Meetings of corporate bodies
    - Undifferentiated names

### Programs to facilitate future authority work

- Automatic check of heading against existing local authority file
- If not found, automatic check against "virtual" international authority file
- Display found matches for editing or reference
- Insert authorized forms into local authority record for future link

### Switching for displays

- Library default
- User-selected preferences
  - Client set-up, "cookies," or future method
    - Language
    - Script
    - Culture (country)/spelling  
- Labor vs. Labour

### Scenario 1 - Found locally

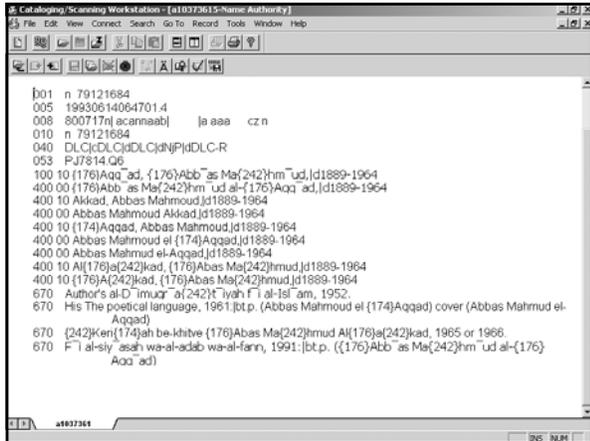
- Original cataloguing with match found for same entity in local authority file

Scenario 1

### Create bibliographic record

100 1    ʔa 'Aqqād, 'Abbās M.  
 245 13 ʔa al-Ta'rif bi-Shikisbīr

Check local authority file



Scenario 1  
**Corrects bibliographic record**

100 1 †a 'Aqqād, 'Abbās Maḥmūd, ‡ d1889-1964.  
 245 13 †a al-Ta'rīf bi-Shikisbīr

Scenario 2 - Web launch

- Original cataloguing with no match found in local authority file
- Launches Web search of virtual international authority file
  - Assumes response times/system reliability will improve in future

Scenario 2  
**Create bibliographic record**

100 1 †a 'Aqqād, 'Abbās M.  
 245 13 †a al-Ta'rīf bi-Shikisbīr

Not found in local authority file.  
 Checking VIAF.



Scenario 2  
**Link authorities**

100 1 †a 'Aqqād, 'Abbās M.

➔

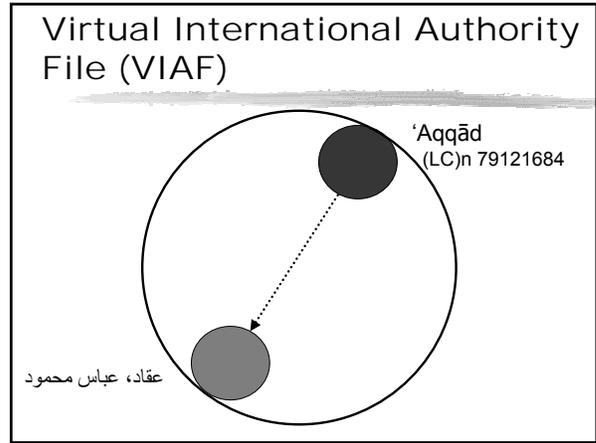
Create and Link?

Yes

No



008 000717n?acannaabr(fv)~?a:aaa.....  
 ★ 010 -- ‡an 79121684 ★ Automatically creates local authority record  
 035 -- ‡a(OCoLC)oca00353298  
 ★ 040 -- ‡aDLC†beng†cDLC†dDLC†dNJP†dDLC-R†dOCoLC  
 053 0 ‡aP7814.Q6  
 100 1 ‡a'Aqqād, 'Abbās Maḥmūd,†d1889-1964 with link  
 ★ 400 1 -- ‡aAkkad, Abbas Mahmud,†d1889-1964  
 ★ 400 1 -- ‡a'Aqqad, Abbas Mahmoud,†d1889-1964  
 400 1 -- ‡aAl'akad, 'Abas Mahmud,†d1889-1964  
 400 1 -- ‡a'Akād, 'Abas Maḥmūd,†d1889-1964 Cataloguer adds AACR2 form  
 ★ 670 -- ‡aAuthor's al-Dīmuqrīḥīyah fī al-ḥilām, 1952.  
 670 -- ‡aHis The poetical language, 1961:†b.t.p. (Abbas Mahmūd al-'Aqqād) cover (Abbas Mahmūd al-'Aqqād)  
 670 -- ‡aKerīḥah be-khīṭah 'Abas Maḥmūd Al'akad, 1965 or 1966.  
 670 -- ‡aFī al-sīyāḥ wa-al-akadab wa-al-fann, 1991:†b.t.p. ('Abbās Maḥmūd al-'Aqqād)  
 ★ 700 1 -- ‡aعباس محمود عقاد,†d1889-1964



### Scenario 2

#### Corrects bibliographic record

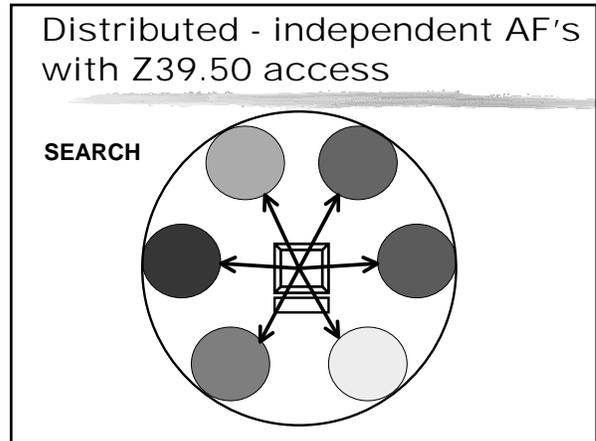
100 1 ‡a 'Aqqād, 'Abbās Maḥmūd, ‡ d1889-1964.  
 245 13 ‡a al-Ta'rif bi-Shikisbīr

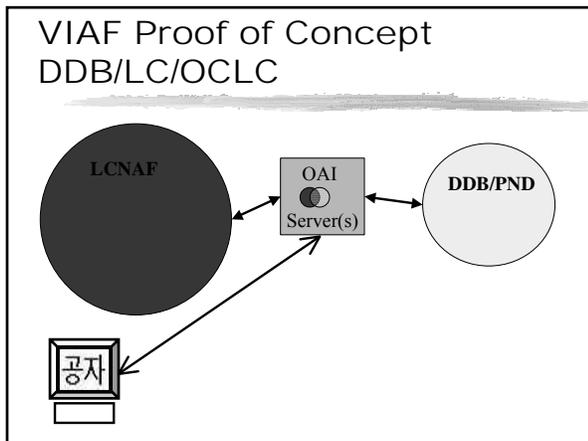
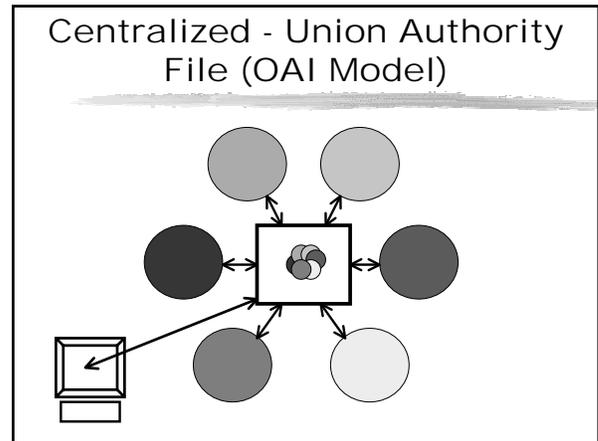
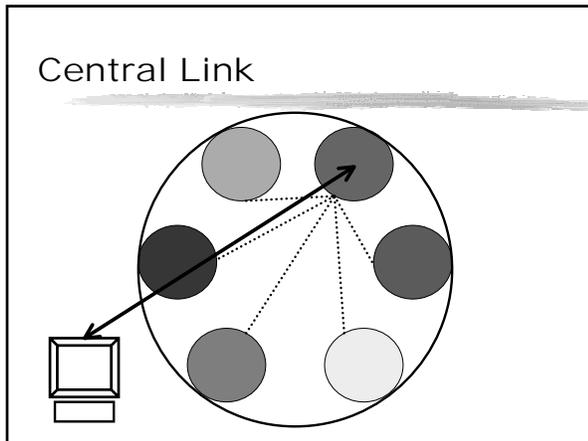
### Local system - User view

User's cookie specifies Cyrillic/Russian preferred.  
 Display 700 form, building on local system's authority structure

'Aqqād, 'Abbās Maḥmūd, 1889-1964.

Tag	11	12	Subfield	Data
010			##	80050515
035			## (DLC)n	80050515
040			## DLC ac DLC †d DLC †d NIC	
100	0		##	Confucius
400	0		##	Konfuzius
400	0		##	K'ung Fu-tzu
400	0		##	Kongzi
400	1		##	Kong, Qiu
400	0		##	K'ung-tzu
400	1		##	K'ung, Ch'iu
400	0		##	K'oshi
400	0		##	Konfu 't'si'i
400	0		##	Kongja
400	0		##	Kung Fu
400	1		##	K'ung, Fu-tzu
400	0		##	كونفوشيوس
400	0		##	Конфуций
400	0		##	孔夫子
400	0		##	孔子
400	0		##	孔丘
400	0		##	こうし
400	0		##	コウシ
400	0		##	공자
670			##	Jakobs, P. M. Kritik an Lin Piao und Konfuzius, c1993: †b t.p. (Konfuzius)
670			##	Konfu 't'si'i, 1993: †b t.p. verso (551-479 B.C.)
670			##	His Gespr'ache (Lun y u), 1910: †b t.p. (Kungfutse)
670			##	Web connection †u http://www.friesian.com/confuci.htm
700	0		##	孔夫子 †s Natl. Lib. of China
700	0	7	##	عقاد، عباس محمود †2 Source code: 10 record control number: 15 source organiz: >





- ### Matching retrospective files
- One time project
  - Matching algorithms, such as those developed by Ed O'Neill and others at OCLC
  - Links
    - Text strings
    - Control numbers

