



21 January 2010

*Digitization: Brave New World, Brave Old World*

Paul R. Burley, Northwestern University Transportation Library

Digitization: brave  
new world, brave old  
world

**PAUL BURLEY**

TECHNICAL SERVICES LIBRARIAN  
NORTHWESTERN UNIVERSITY  
TRANSPORTATION LIBRARY



Transportation  
Librarians'  
Roundtable  
JANUARY 21, 2010

# Transportation libraries and digitization

- Define "digitization"
- CARLI project: lessons learned
- OAIS
- Discussion questions



# "Digitization"

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- Digitization process
- Workflow
- Metadata
- Storage
- Economics of digitization
- Collections building
- Digital library building
- Copyright, copyright, copyright
- Access: portals, permissions
- Visualization
- Digital preservation
- Metrics: collection size, usage



# Digitization defined



"To convert [...] into a sequence of digits, generally for use in a digital computer, etc.; to represent in digital form" — *Oxford English Dictionary*.

# CARLI

ABOUT US | NEWS | MEMBERSHIP | BOARD & COMMITTEES | PRODUCTS & SERVICES | DOCUMENTATION & TRAINING | DELIVERY

**CARLI** Consortium of Academic and Research Libraries in Illinois

Location: CARLI

# teaching

The mission of the Consortium of Academic and Research Libraries in Illinois (CARLI) is to lead Illinois academic libraries to create and sustain a rich, supportive, and diverse knowledge environment that furthers teaching, learning, and research through the sharing of collections, expertise and programs.

Photo courtesy of Millikin University

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**January 2010**

sun	mon	tue	wed	thu	fri	sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

**WHAT'S NEW**

### Revised CARLI Bylaws Approved

The CARLI Board of Directors is pleased to announce that by a vote of the membership the Bylaws of the consortium have been amended. The vote was overwhelmingly in favor of the proposed amendments, with 98% of ballots cast in support of the revisions. 72% of all Governing members cast ballots. The revised [Bylaws](#) are available on the CARLI website. We believe that the changes will strengthen the organization and allow CARLI to efficiently and effectively serve all of its members.

A summary of the changes will be sent in the Executive Director's regular quarterly update to directors in early January. In addition, the staff will prepare individual mailings to all members, detailing the impact of changes in membership structure and benefits and providing instructions on the preparation of revised membership agreements. This mailing will be sent to Directors at all CARLI member institutions in late January.

[More](#)

### CARLI to Purchase Springer Medicine eBook Collection

CARLI is pleased to announce the purchase of the Springer Medicine eBook Collection for all Governing and Associate members. Access to the collection will begin in January 2010. The Springer Medicine Collection will replace the Mary Ann Liebert journals when subsidized access to those journals ends in December 2009. The purchase of the Medicine collection was recommended by the CARLI Health Sciences Advisory Group, which was charged with reviewing products to replace the Liebert journals.

E-mail at [support@carli.illinois.edu](mailto:support@carli.illinois.edu)

Consortium of Academic and Research Libraries in Illinois

# CARLI application

## CONSORTIUM OF ACADEMIC & RESEARCH LIBRARIES IN ILLINOIS

### BOOK DIGITIZATION PROJECT PROPOSAL COVER SHEET FY 2009

PROJECT NAME: Reports and items authored by the Chicago Transit Authority and the Illinois Regional Transportation Authority

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CARLI MEMBER INSTITUTION: \_\_Transportation Library, University Library, Northwestern University

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#### PROPOSAL INFORMATION:

Contact Person: 

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Address: 

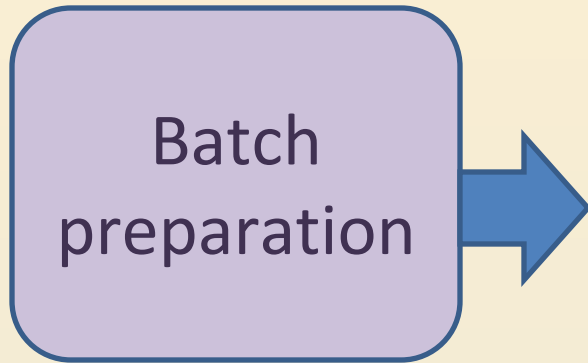
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City:     Evanston     State:     IL    , Zip: 

Phone:  Fax: 

# CARLI digitization: lessons learned

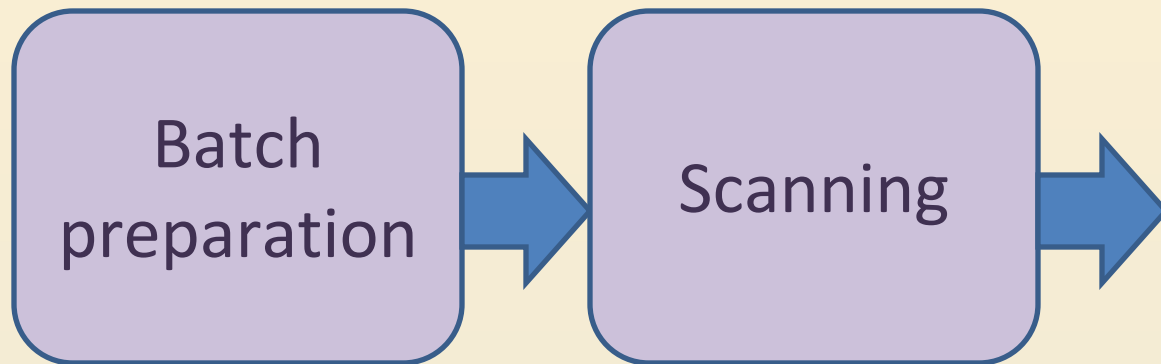
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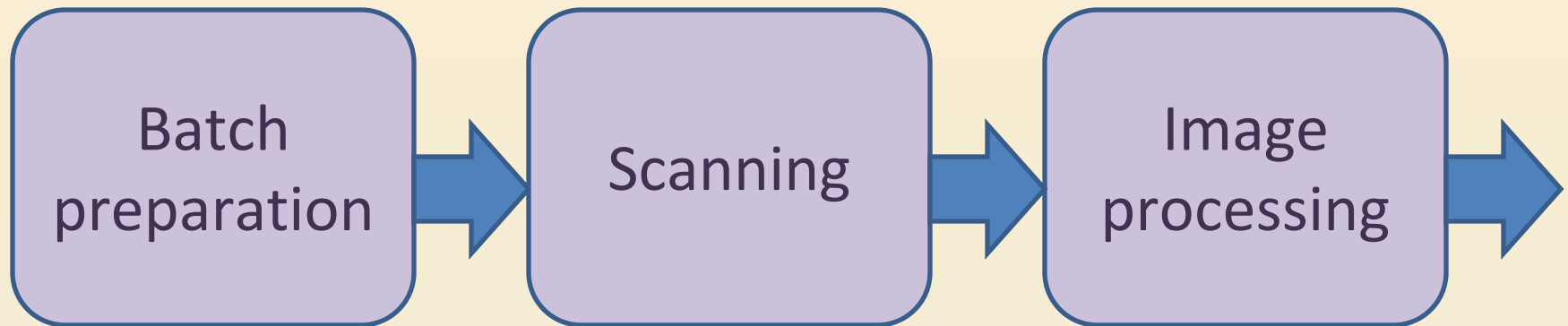
# CARLI digitization: lessons learned

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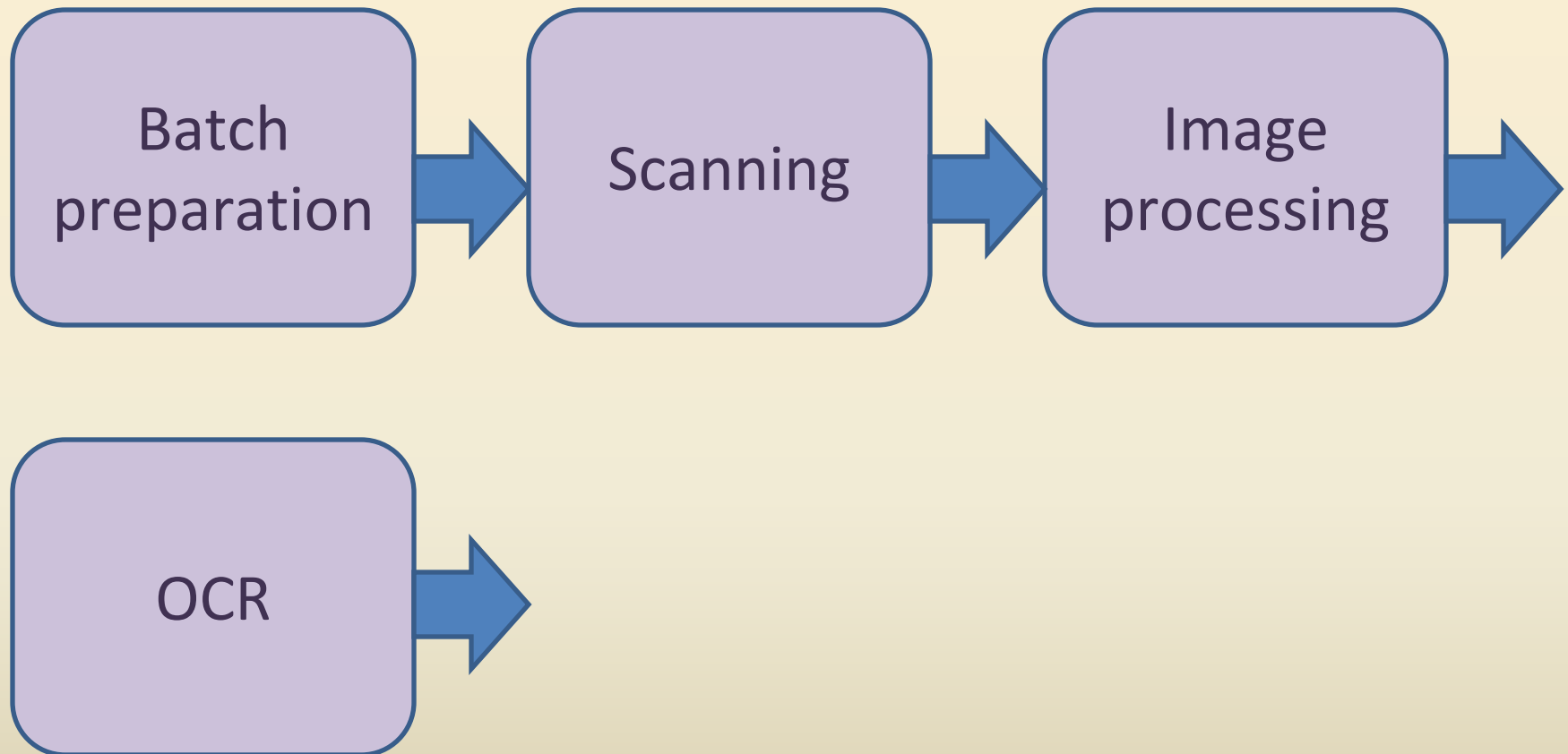
# CARLI digitization: lessons learned

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# CARLI digitization: lessons learned

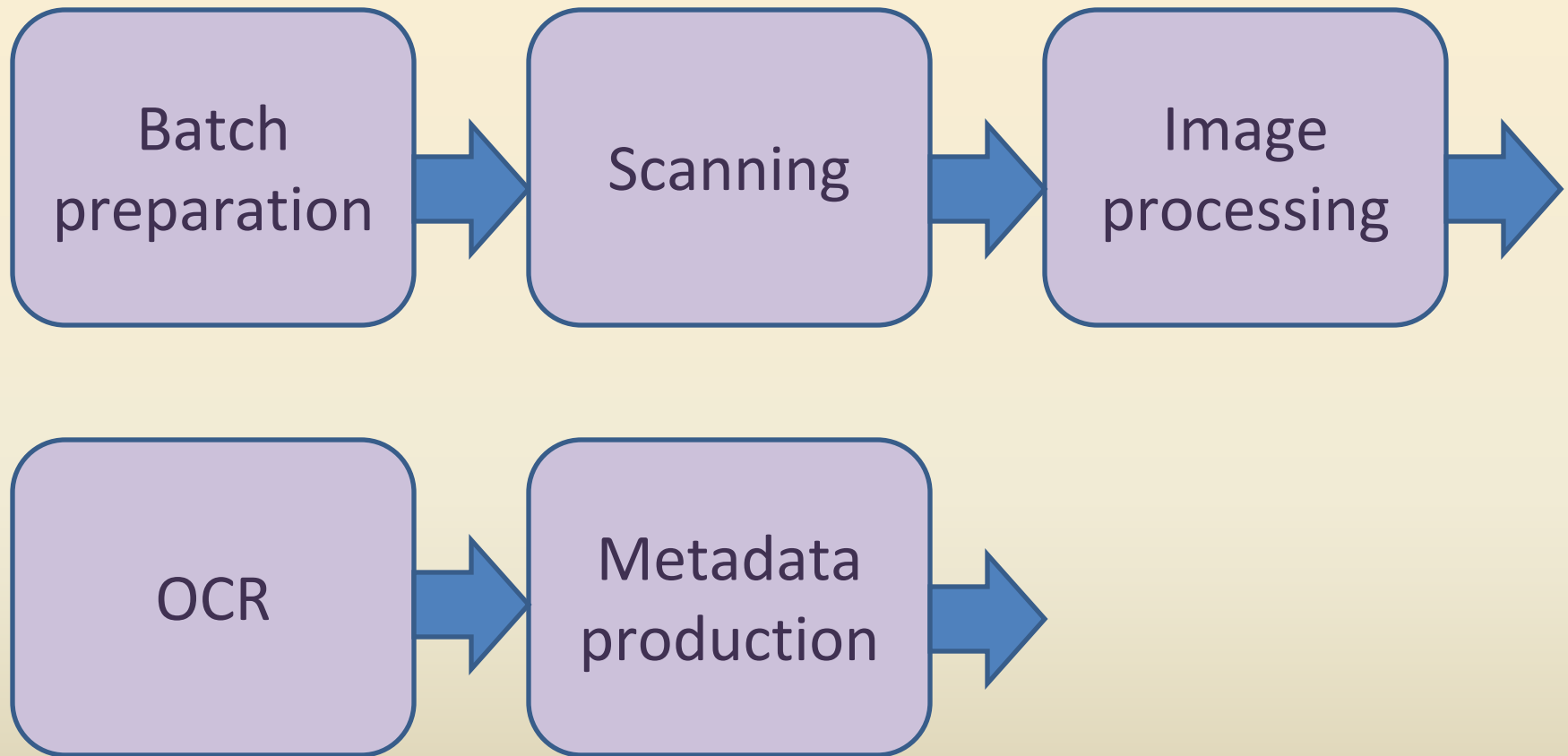
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Cheng and Tsui, 2005.

# CARLI digitization: lessons learned

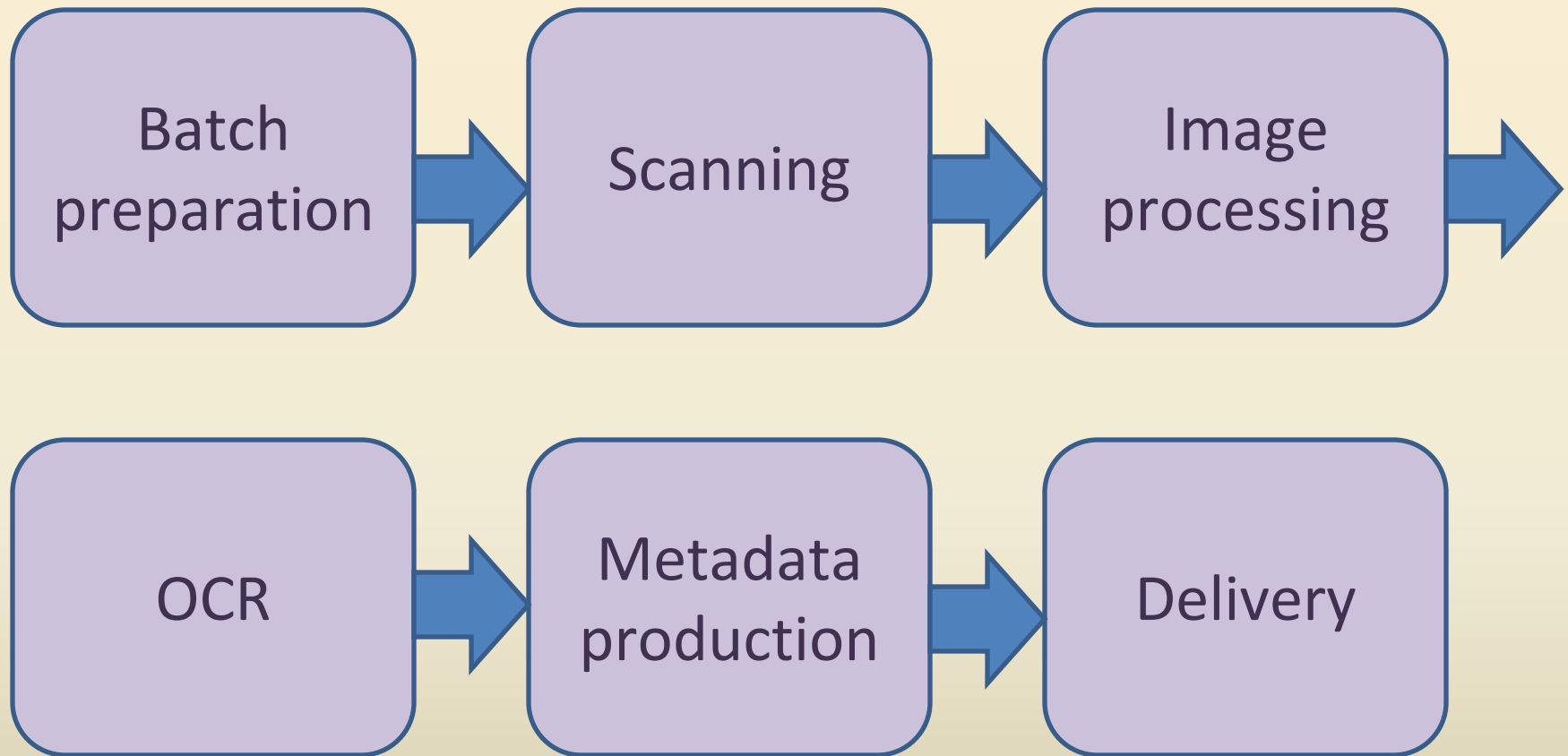
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Cheng and Tsui, 2005.

# CARLI digitization: lessons learned

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Cheng and Tsui, 2005.



# Reference Model for an Open Archival Information System (OAIS)

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"[P]rovides the concepts needed by non-archival organizations to be effective participants in the preservation process"--  
*Reference Model for an Open Archival Information System (OAIS)*. CCSDS 650.0-B-1, Blue Book, January 2002.

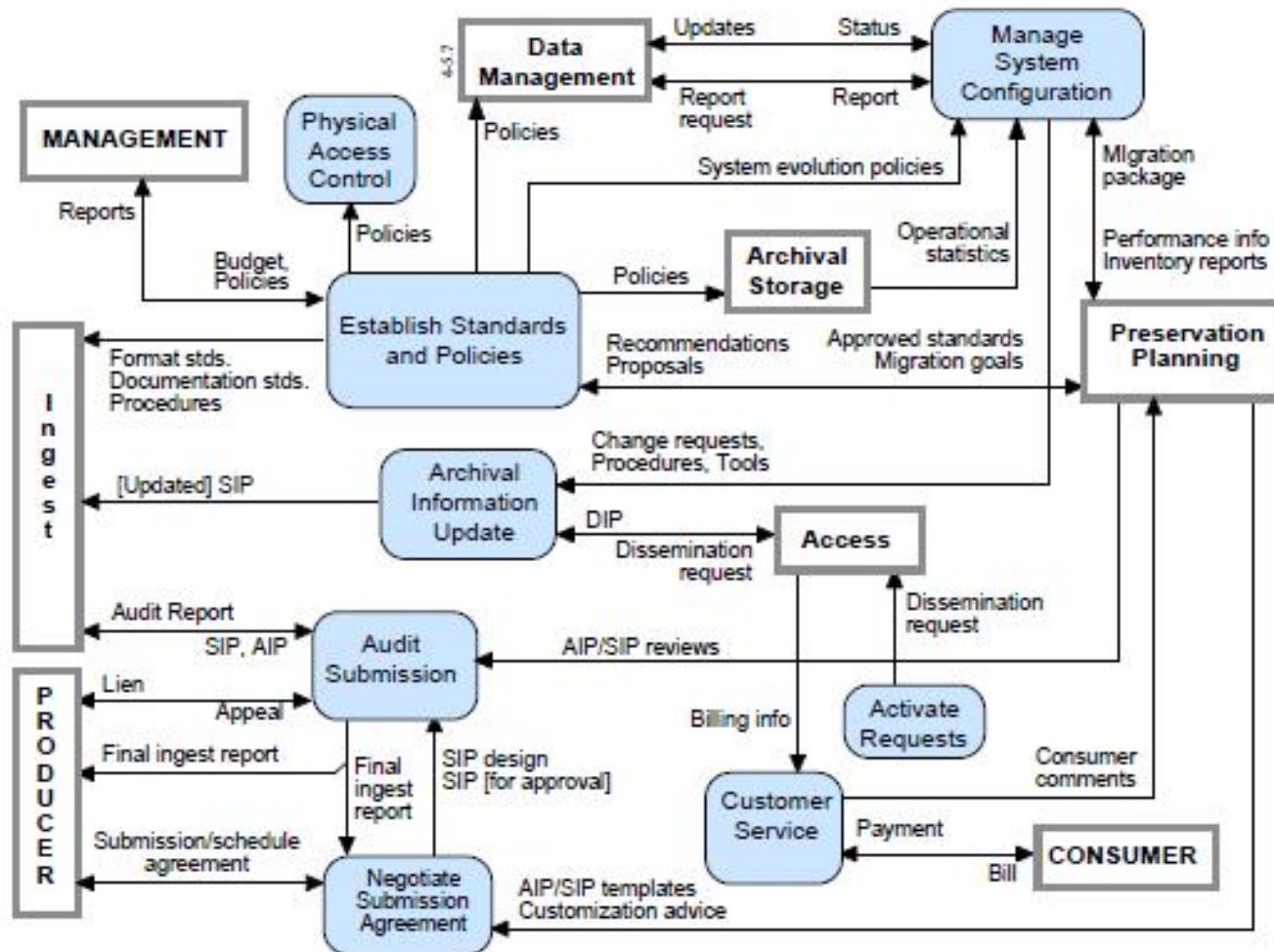


Figure 4-5: Functions of Administration

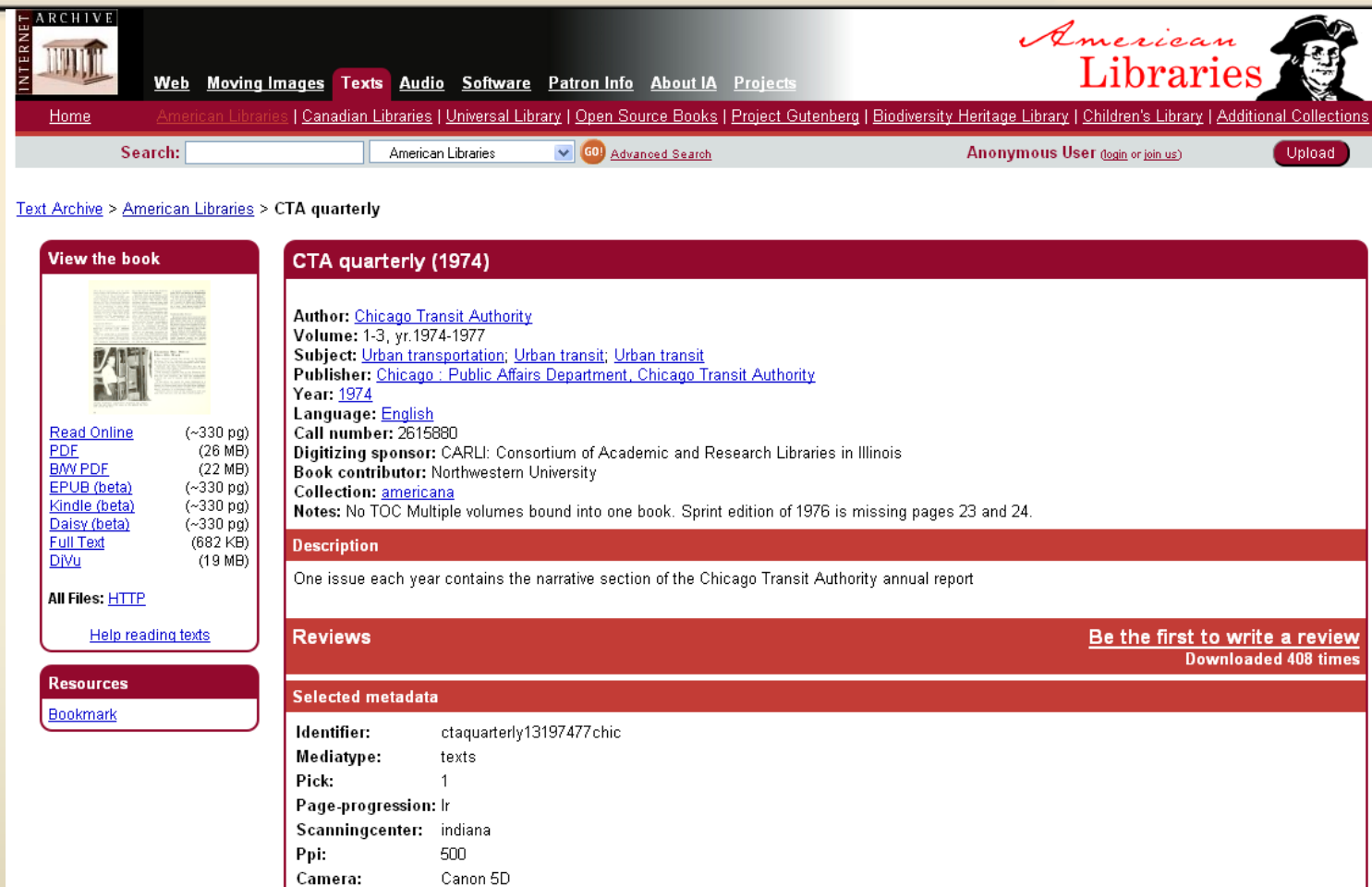
## OAIS: Administration Model

# Digitization projects: selected pros and cons



Copyright

# Digitization projects: selected pros and cons



The screenshot shows the American Libraries website interface. At the top, there is a navigation bar with links for Web, Moving Images, Texts, Audio, Software, Patron Info, About IA, and Projects. The 'Texts' link is highlighted. Below the navigation bar, there is a search bar and a dropdown menu for 'American Libraries'. The main content area is titled 'CTA quarterly (1974)' and contains the following information:

**View the book**

[Read Online](#) (~330 pg)  
[PDF](#) (28 MB)  
[BWV PDF](#) (22 MB)  
[EPUB \(beta\)](#) (~330 pg)  
[Kindle \(beta\)](#) (~330 pg)  
[Daisy \(beta\)](#) (~330 pg)  
[Full Text](#) (682 KB)  
[Divu](#) (19 MB)

**All Files:** [HTTP](#)

[Help reading texts](#)

**Resources**

[Bookmark](#)

**CTA quarterly (1974)**

**Author:** [Chicago Transit Authority](#)  
**Volume:** 1-3, yr.1974-1977  
**Subject:** [Urban transportation](#); [Urban transit](#); [Urban transit](#)  
**Publisher:** [Chicago : Public Affairs Department, Chicago Transit Authority](#)  
**Year:** [1974](#)  
**Language:** [English](#)  
**Call number:** 2615880  
**Digitizing sponsor:** CARLI: Consortium of Academic and Research Libraries in Illinois  
**Book contributor:** Northwestern University  
**Collection:** [americana](#)  
**Notes:** No TOC Multiple volumes bound into one book. Sprint edition of 1976 is missing pages 23 and 24.

**Description**

One issue each year contains the narrative section of the Chicago Transit Authority annual report

**Reviews**

[Be the first to write a review](#)  
Downloaded 408 times

**Selected metadata**

**Identifier:** ctaquarterly13197477chic  
**Mediatype:** texts  
**Pick:** 1  
**Page-progression:** lr  
**Scanningcenter:** indiana  
**Ppi:** 500  
**Camera:** Canon 5D

Collections building

# Digitization projects: selected pros and cons

	A	B	C	D	E	F
		Hours	Salary	Total Salary	Benefits (@ 4.4%)	Total
1						
2						
3	<b>EDKB-Wiki Development FUNDING REQUEST</b>					
4	Initial Development - Summer 2007					
5	1 Research Assistant (Student Assistant Title - staff)	200	\$14.50	\$2,900.00	\$127.60	\$3,027.60
6						
7						
8	Follow-up Development & Training Workshops - Fall '07-Spring '08					
9	1 Research Assistant (Student Assistant Title - staff)	200	\$14.50	\$2,900.00	\$127.60	\$3,027.60
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11	<b>TOTAL EDKB-Wiki Development:</b>	<b>\$6,055.20</b>				
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23	<b>Second Life Instructional Space Development: FUNDING REQUEST</b>					
24	Summer 2007					
25	2 Research Assistants (Student Assistant Title - staff)	400	\$14.50	\$5,800.00	\$255.20	\$6,055.20
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38	Annual Subscription & Property Rental in Second Life	\$252.00				\$756.00
39	(minimum 3 year commitment)					
40	<b>TOTAL Cost Share:</b>	<b>\$4,568.50</b>				
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44	<b>TOTAL FUNDING REQUESTED FROM INSTRUCTIONAL DEVELOPMENT:</b>	<b>\$15,138.00</b>				
45						
46						
47	<b>TOTAL COST SHARE FROM TRANSCRIPTIONS/LCI &amp; DEPT OF ENGLISH:</b>	<b>\$8,381.00</b>				

Costs



# Digitization projects: selected pros and cons

## 中国剪影 チャイナ・グラフィティ

09 PAGE 20

本月的中国剪影带来了富坚史生先生的千里走单骑——在华千里的自行车之旅。请听于11月15日当他完成长达3000公里的飞车之旅成功抵达上海后共同网的报道。

日本人在华千里走单骑寻访旧知叙友情

来自日本山形县鹤冈市的富坚史生在中国历时两个月骑自行车行走约3000公里。于11月15日顺利抵达目的地上海。富坚在中国旅行期间相继与他曾经照顾过的中国赴日前学生会面重叙友情。富坚曾就职于国际交流基金日中交流中心，负责邀请中国高中生前往日本学习生活一年的工作。期间与74名中国学生建立了友谊。

受中国产饺子致人中毒等事件的影响，日本社会的对华感情恶化。一些留学生悲观地表示“尽管我们想成为交流的桥梁，但仅凭借自己的力量什么也无法改变”。富坚听后倍感吃惊。于是决定前往中国鼓励已经回国的学生。富坚9月21日从长春出发，途经沈阳、北京、南京等地，途中与曾经留学日本的40多名大学生和高中生再次会面，加深了交流。

学生们对再次见到富坚感到很高兴，表示“还想再去日本”。富坚说：“为了加深相互理解，希望更多的日本年轻人能前往中国，接触普通民众。”

今月号の「チャイナ・グラフィティ」では、富坚史生さんの中国縦断自転車の旅をご紹介します。11月15日、約3,000キロメートルを走り抜いた富坚さんの上海到着を伝える共同網のニュースをお楽しみください。

日本人、中国で単騎千里を走り旅路を始める山形県鶴岡市出身の富坚史生ですが、中国で立ち回らせた自転車での約3,000キロメートルを走り、11月15日に予定どおり目的地の上海に到着した。富坚さんはこの中国旅行の機にかつて面会した留学学生と相次いで再会し、旧交を温めた。富坚さんは以前国際交流基金・日中交流センターに在籍し、日本に年間留学する中国高校生を招へい事業を推進、その間74人の生徒と友情を結んでいく。

中国産餃子の中毒事件などの影響で、日本社会の対中感情は悪化。いくらか交流の架け橋になろうと思っても、自分の力だけではなにも変えられないと悲観する留学生もいた。富坚さんはこれを見てたいへん驚き、中国に行き帰国した生徒を招きそうと決心した。9月21日に長春を出発し、瀋陽、北京、南京などを経て、その途中で日本に留学していた大学生や高校生40人と再会し、交流を深めた。

学生たちは富坚さんとの再会を喜び、「また日本に行きたい」と語った。富坚さんは相互理解を深めるために、さらに多くの日本の若者が中国へ行って、普通の人々と触れあってほしい」と語った。(提供：共同網)

## 音乐广场 ミュージックプラザ

09 PAGE 24

音乐广场，欢迎你收听，我是小苏，这个月开始，由我跟你一起在这个环节里。聆听华语流行乐坛的人气作品。

崭新的4月，新春的到来呢好象也是爱请来临的征兆啊，这次要介绍给你的。就是这样一部充满爱意的电视原声专辑，这部电视剧去年在台湾播放的时候，拿下了台史上最高的收视纪录，也造成了巨大的社会话题。音乐广场本月推荐《命中注定我爱你 电视原声带》，赶快来听听看其中收录的歌曲吧。

《99次我爱你》(主题歌)

「ミュージックプラザ」へようこそ、今月からのコーナーでは陳弘毅と一緒に、チャイナポップス界で人気の作品を聞いていきましょう。

すべてが新しい4月、春の訪れは恋の訪れの兆しのようなです。今ご紹介するのは、恋心に満ちあふれたテレビドラマのサウンドトラックです。このドラマは昨年台湾で放映され、台湾ドラマ史上最高の視聴率を更新し、社会的にも大きな話題となりました。今月の「ミュージックプラザ」お勧めは「命中注定我爱你」100% オリジナル・サウンドトラックです。さっそく収録曲を聞いてみましょう。

《99回愛してあげろ》(主題歌)

# Digitization projects: selected pros and cons

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Complex formats

# Discussion questions

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- Are there any print materials used in common by all transportation libraries for which it would make sense to cooperate on the national level on a digitization project, similar to what NUTL did at the state level in Illinois?
- Would a similar project best be channeled through existing, disparate repositories?
- Are there lessons learned from ongoing digitization that we might bring together among all transportation libraries?
- Broad/shallow vs. narrow/deep