

# CATALOG *ALL THE THINGS*

LEVERAGING AUTOMATION TO  
CATALOG A MASSIVE AUDIO-VISUAL  
COLLECTION

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Michigan State University Libraries

slides: <http://goo.gl/1rwkKC>

Technical Services Workflow Efficiency IG  
ALA Midwinter, Jan. 9, 2016, Boston, MA




"Rovi is leading the way in the discovery and personalization of digital entertainment. Rovi helps power top brands around the world with market-leading guides, metadata, recommendations, audience analytics and advanced advertising solutions. With products deployed through an innovative cloud-based platform, Rovi is enabling customers worldwide to increase their reach, drive consumer satisfaction and create a better entertainment experience."

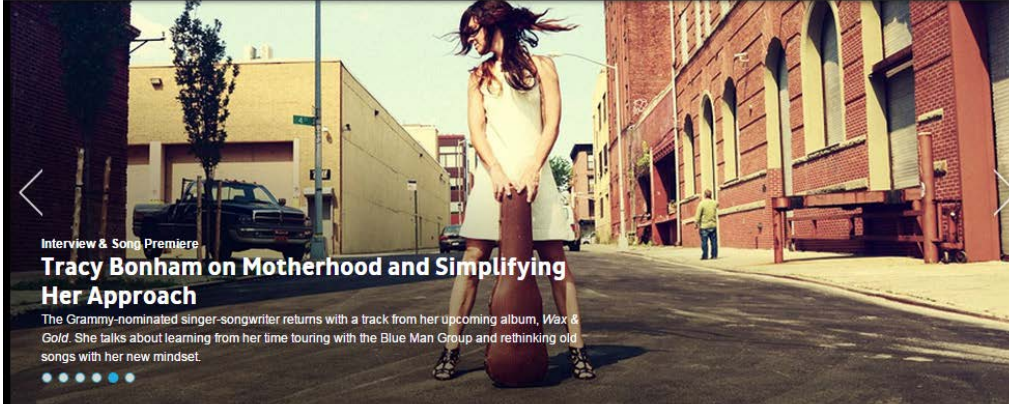
<http://rovicorp.com/>

Data licensed as:

*"guides, metadata, recommendations, audience analytics and advanced advertising solutions"*

# ALLMUSIC GUIDE


[New Releases](#) [Discover](#) [Articles](#) [Recommendations](#) [My Profile](#)




Interview & Song Premiere  
**Tracy Bonham on Motherhood and Simplifying Her Approach**  
The Grammy-nominated singer-songwriter returns with a track from her upcoming album, *Wax & Gold*. She talks about learning from her time touring with the Blue Man Group and rethinking old songs with her new mindset.


### Featured New Releases

[All Featured New Releases](#)

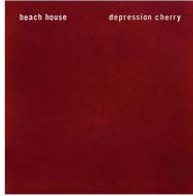


**Destroyer**  
*Poison Season*  
August 28, 2015  
Pop/Rock


AllMusic Rating 


Avg User Rating 

A cohesive, intensely wistful,




**Beach House**  
*Depression Cherry*  
August 28, 2015  
Pop/Rock


AllMusic Rating 


Avg User Rating 

Combining Bloom's sophistication




**Yo La Tengo**  
*Stuff Like That There*  
August 28, 2015  
Pop/Rock

AllMusic Rating 

Avg User Rating 

A sequel of sorts to Fakebook,



**Everyone has an opinion**  
Share yours. AllMusic now has [User Reviews](#).

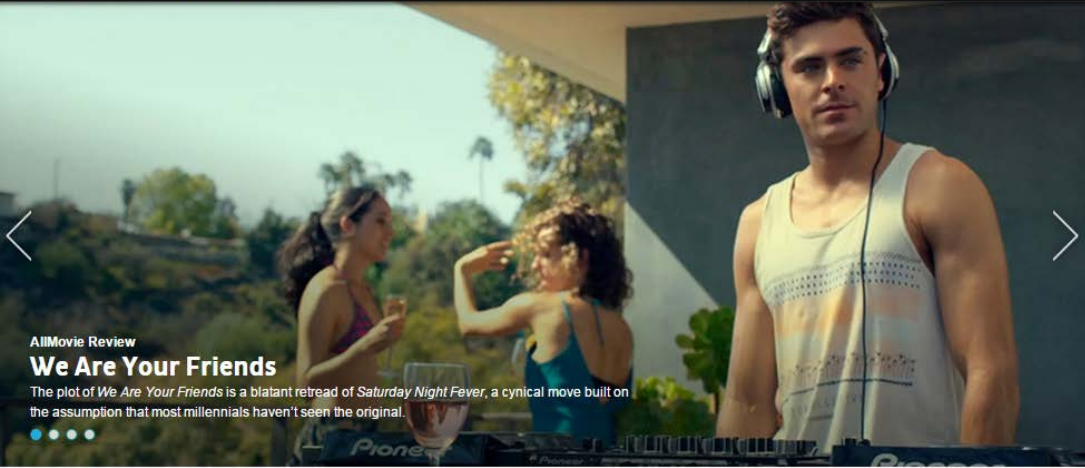
# ALLMOVIE GUIDE

ALLMOVIE

Search

New ReleasesDiscoverArticlesVideoRecommendationsAdvanced Search




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**AllMovie Review**  
**We Are Your Friends**  
The plot of *We Are Your Friends* is a blatant retread of *Saturday Night Fever*, a cynical move built on the assumption that most millennials haven't seen the original.

New and Upcoming

All Movies in Theaters



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Extended Stay America

Save 15% Today! Join Extended Perks and Save.

CLOSE [X]

# ALLGAME GUIDE (RIP)

**Game over** – AllGame is no more,  
but maybe one of our other sites  
will interest you:

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Try [AllMusic](#) to find  
information about your  
favorite artists, albums  
and more.



On [AllMovie](#) you can find  
information on films,  
including what's new in  
theaters and on DVD.

**allmovie**

Track episodes of your  
favorite TV shows and  
where to watch them  
online with [Sidereel](#).

 **sidereel**



# THE ROVI COLLECTION

- Physical archive of nearly one million CDs, DVDs, Blu-Rays and Video Games

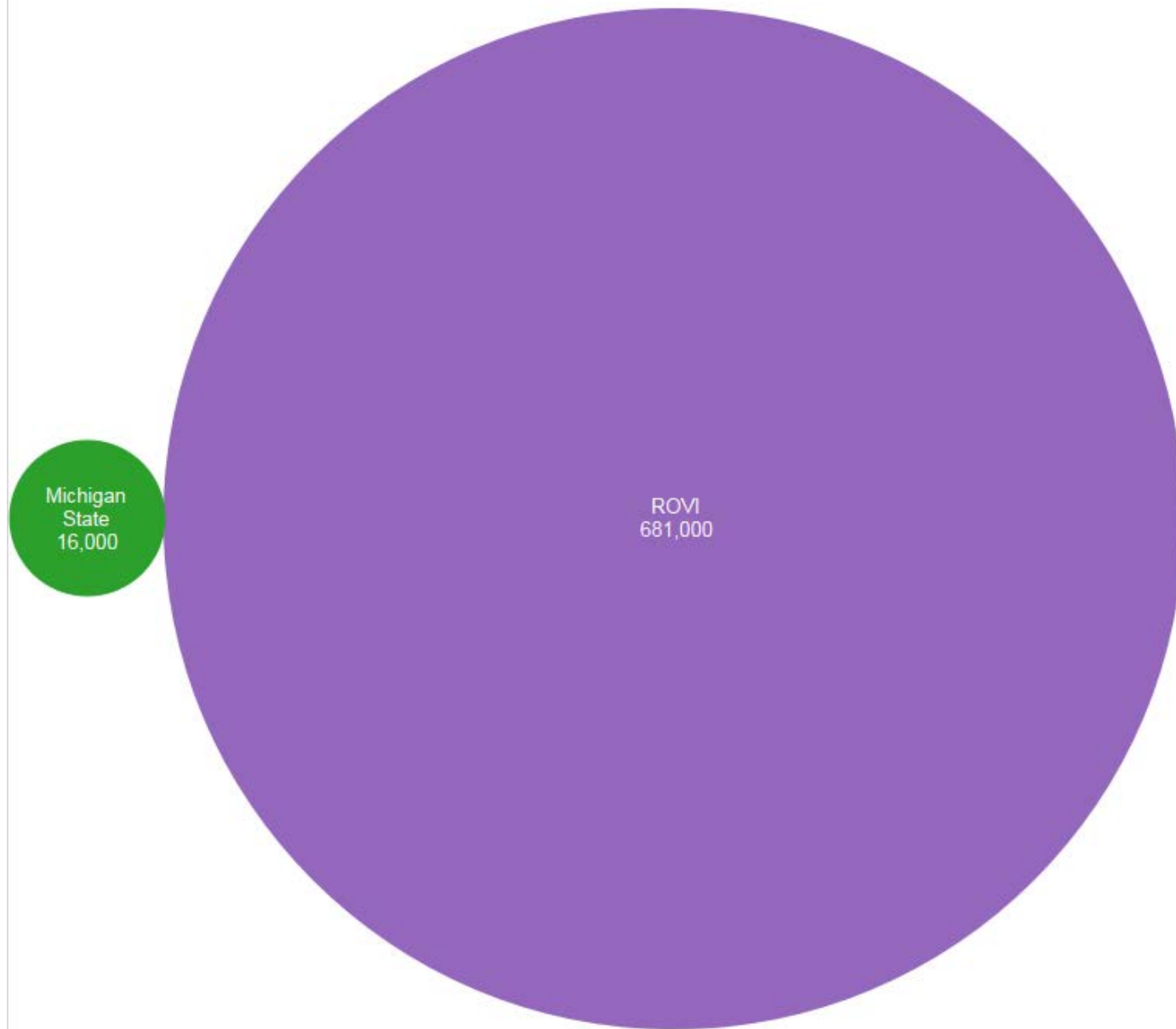


# THE ROVI COLLECTION: MUSIC

- Spans mid-1980s to 2014
- American and some international markets
- 681,000 CDs







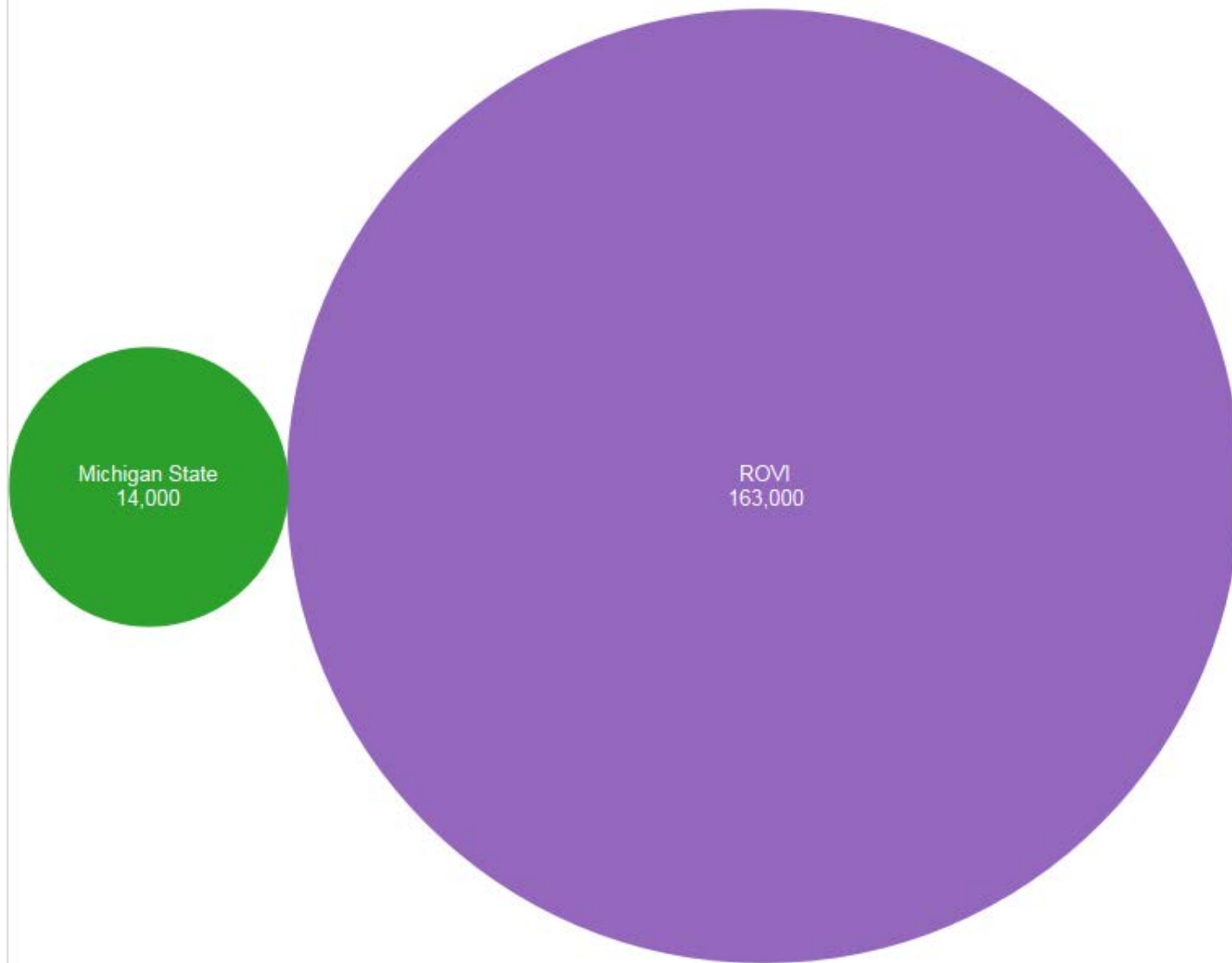
No. of physical albums



# THE ROVI COLLECTION: MOVIES

- Spans late 1990s to 2014
- 163,000 titles, DVD and Blu-Ray





No. of physical videos



# THE ROVI COLLECTION: VIDEO GAMES

- Spans 1983-2014
  - Bulk of titles mid-1990s onward
- 17,000 titles



# ROVI METADATA

## **Provided ROVI with metadata “wishlists”**

- Desired elements for music, movies, games

## **Received brief metadata records from donor**

- Selections from our wishlists

## **Estimated cost of manual cataloging**

- \$20-25 million over 20 years





# ROVI VIDEO METADATA

**As their metadata is proprietary, this archived copy of our presentation has been redacted per our agreement with Rovi.**

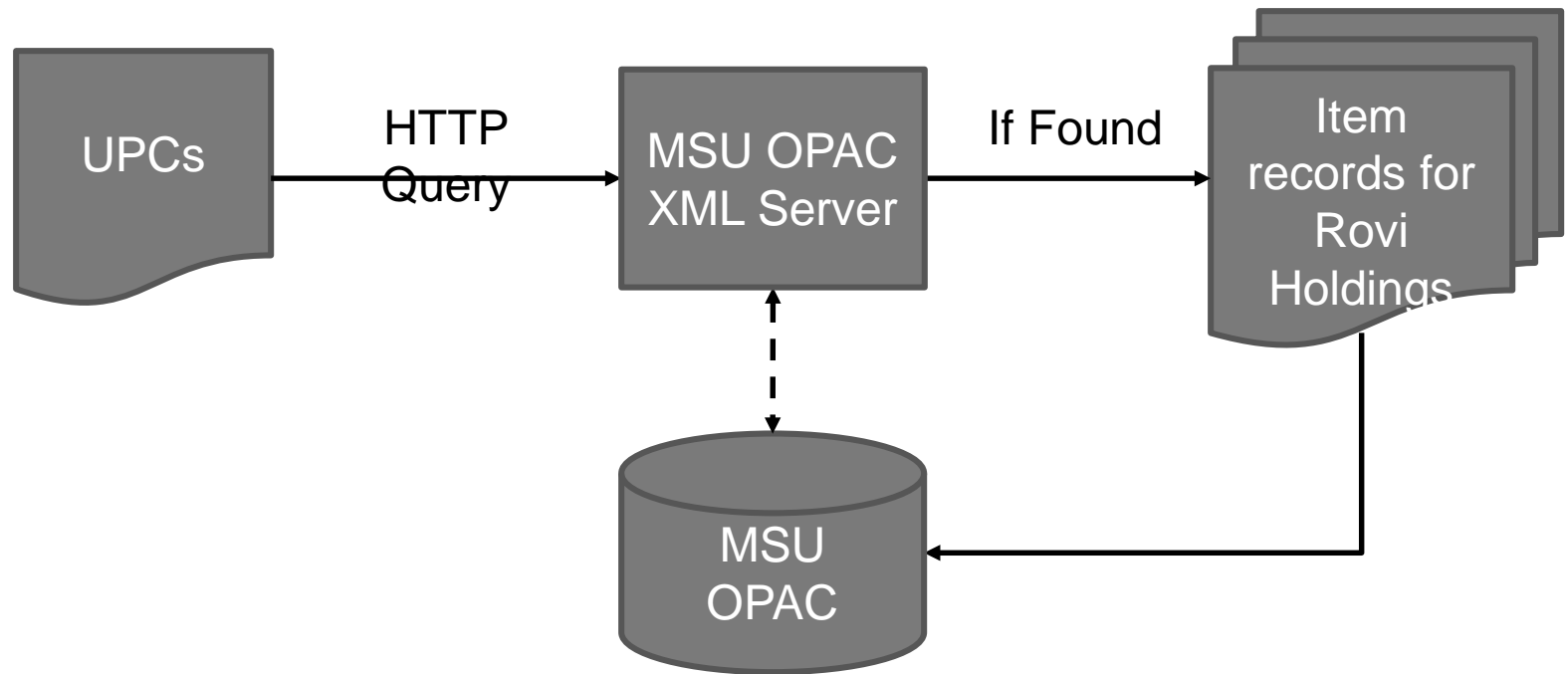


# ROVI MUSIC METADATA

**As their metadata is proprietary, this archived copy of our presentation has been redacted per our agreement with Rovi.**

# PHASED CATALOGING PROCESS

## Phase 1 – Local Holdings Lookup



# SAMPLE PHASE 1 RECORD

**Title** Philadelphia [videorecording] / TriStar Pictures presents a Clinica Estetico Production.  
**Publisher** Burbank, CA : Columbia TriStar Home Video, c2000.  
**Citation** [Cite this item \(from WorldCat\)](#) (click on "Cite" in WorldCat)

LOCATION	CALL # (CLICK TO BROWSE SIMILAR ITEMS)	STATUS
<a href="#">MSU G.M.KLINE DIGITAL/MEDIA DVD, 4 WEST</a> <a href="#">Map It!</a>	<a href="#">PN1995.9.A434 P47 2000 VideoDVD</a>	AVAILABLE
MSU ROVI MOVIE COLLECTION	<a href="#">AF2 D0010644 VideoDVD</a>	AVAILABLE <a href="#">Request ROVI</a>

**Edition** Widescreen version.

**Description** 1 videodisc (ca. 125 min.) : sd., col. ; 4 3/4 in.

**Series** [Rovi Media Collection. Movies.](#)

**Note** Originally released as a motion picture in 1993.

**Contents** "1993 Academy Award Winner (Best Actor: Tom Hanks ; Best Original Song: Bruce Springsteen ("Streets of Philadelphia"))"

**Credits** Music, Howard Shore ; producers, Edward Saxon, Jonathan Demme ; director, Jonathan Demme.

**Cast** Tom Hanks, Denzel Washington, Jason Robards, Mary Steenburgen, Antonio Banderas.

**Summary** Powerful story of two lawyers who join together to sue a prestigious Philadelphia law firm when the firm fires one of them b

**Audience** Rated PG-13.

**System Req** DVD, 5.1 Dolby digital and Dolby surround.

**Note** Closed-captioned.  
Includes English, French and Spanish language soundtracks, with optional subtitles in English or Korean.

**Awards** Academy Awards, 1993. Best actor, Tom Hanks ; Best original song, Bruce Springsteen.

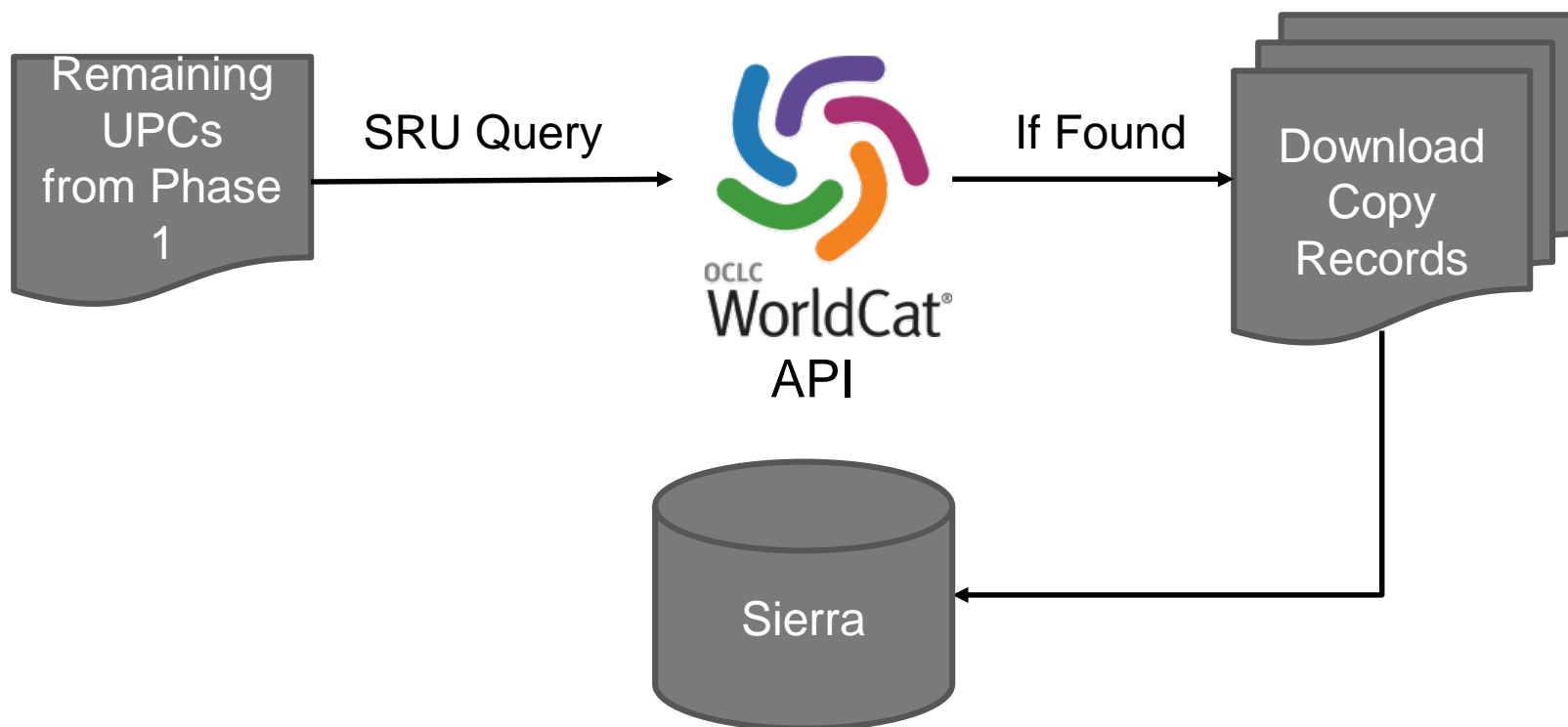
**Subject** [AIDS \(Disease\) -- Drama.](#)

**Genre** [Feature films.](#)  
[Fiction films.](#)  
[Video recordings for the hearing impaired.](#)



# PHASED CATALOGING PROCESS

## Phase 2 – Locating Copy Records



## Adding Rovi-data to OCLC copy

- Disc count
  - 866 holding info for multi-disc set
  - “discs 1-n” as call number suffix
- Format
  - As Call number suffix  
e.g. Blu-ray/DVD → Blu-ray Video & Video DVD

# SAMPLE PHASE 2 RECORD

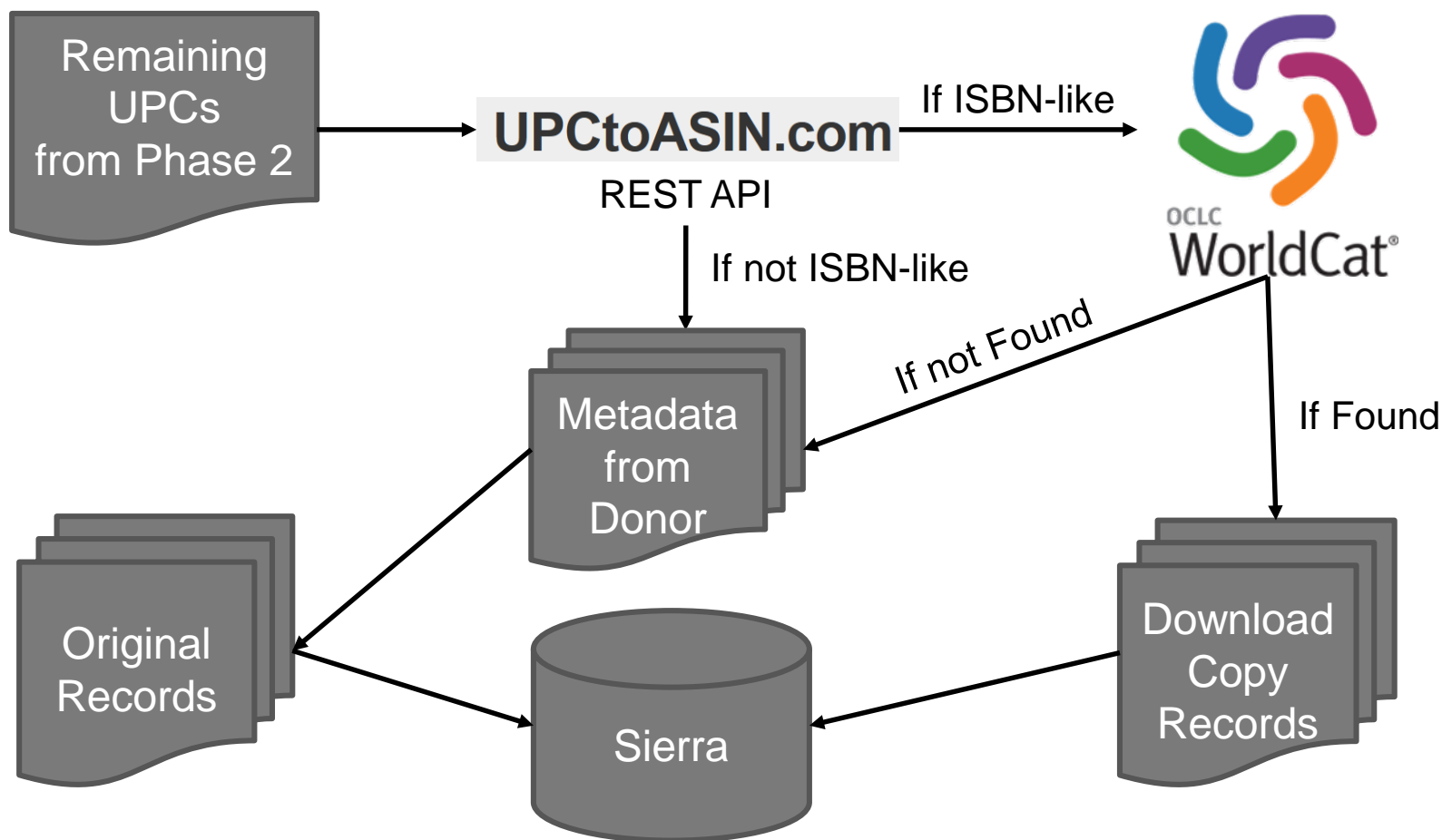
**Title** **A certain scientific railgun. Part one, episodes 1-12 [videorecording] / executive producer, Gen Fukunaga ; director, Tatsuyuki Nagai.**  
**Publisher** [Tokyo, Japan] : Geneon Universal Entertainment ; [Flower Mound, Tex.] : FUNimation Productions, Ltd. ; [2013?]  
**Citation** [Cite this item \(from WorldCat\)](#)

LOCATION	CALL # (CLICK TO BROWSE SIMILAR ITEMS)	STATUS	
MSU ROVI MOVIE COLLECTION	<a href="#">CY3 D0148969 VideoDVD</a> discs 1-2	AVAILABLE	<a href="#">Request ROVI</a>
MSU ROVI MOVIE COLLECTION	<a href="#">AR3 D0153121 VideoDVD</a> discs 1-2	AVAILABLE	<a href="#">Request ROVI</a>

**Edition** [Ltd. ed.].  
**Description** 2 videodiscs (300 min.) : sd., col. ; 4 3/4 in.  
**Series** [Rovi Media Collection. Movies.](#)  
**Library Has** disc 1-disc 2  
**Note** Originally broadcast on television in 2009 as individual episodes of the television series.  
Extras include selected episode comentaries and textless songs.  
**Contents** Disc one. 01, Electromaster -- 02, When working under a hot sun, rehydration is essential -- 03, Tokiwadai is targeted -- 04, Urban legends -- 05, A certain pair of new trainees -- 06, Everyone is proactive when it comes to this -- Disc two. 07, Abilities and powers -- 08, Level upper -- 09, Majority report -- 10, Silent majority -- 11, Dr. Kiyama -- 12, AIM burst.  
**Credits** Producers, Carly Hunter, Justin Cook ; original story, Kazuma Kamachi, Motoi Fuyukawa ; anime produced by J.C. Staff.  
**Audience** Rated: TV14.  
**Summary** "Misaka's electro-manipulation abilities and delightfully destructive railgun projectile move make her a rock star in Academy City. The techno metropolis is packed with supernaturally powered students known as espers, including Misaka's flirty friend and roommate, Kuroko. She uses her teleportation skills as a member of the judgment law enforcement team, fighting crime alongside her fellow agent Uiharu. Joined by their friend Saten, a spunky level 0 esper, Misaka, Kuroko and Uiharu have a blast taking on danger whenever and wherever it arises"--Container.  
**System Req** DVD, region 1, NTSC; 16:9; 5.1 Dolby surround sound (English), stereo. (Japanese).  
**Note** Soundtrack in English and Japanese with optional English subtitles.

# PHASED CATALOGING PROCESS

## Phase 3 – Original Record Generation (Video)





# GENRE MAPPING

## (BY AUTUMN FAULKNER)

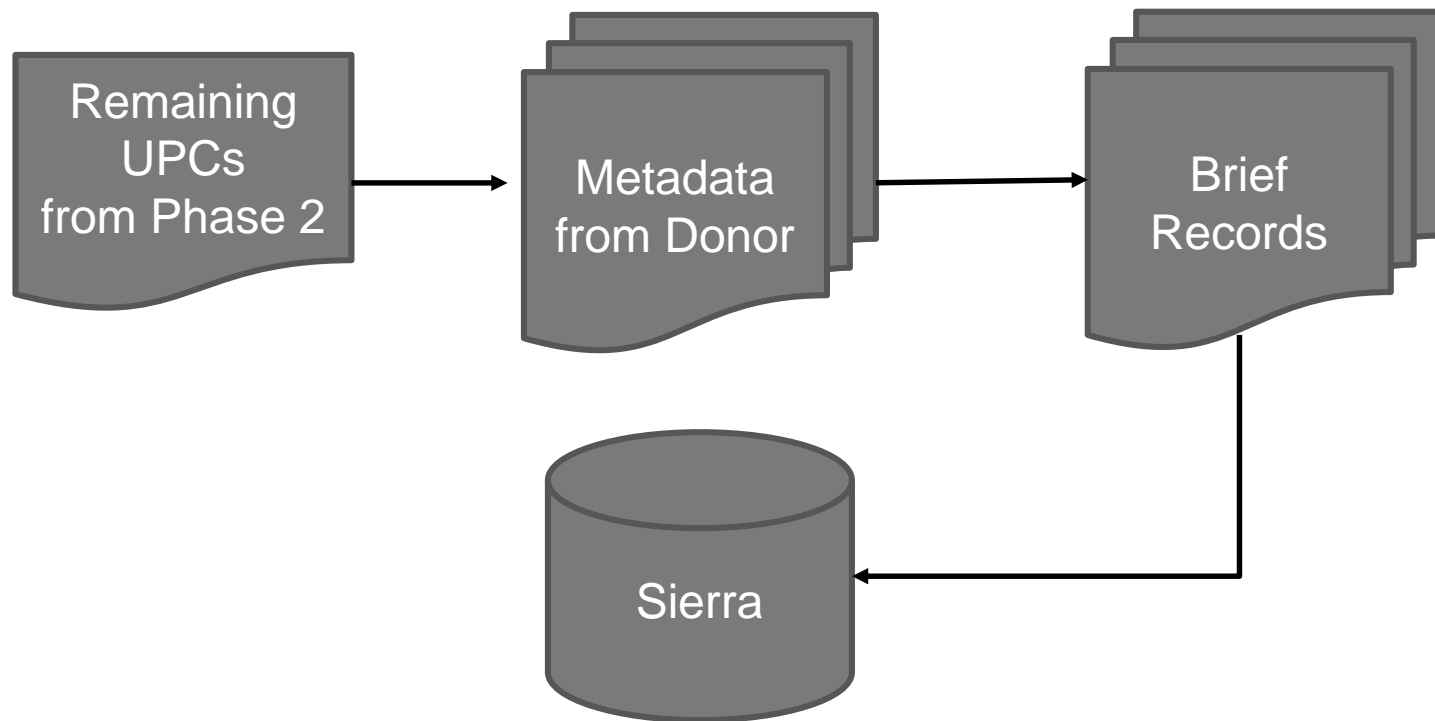
**[Column of Rovi genre terms]**

**As their metadata is proprietary, this archived copy of our presentation has been redacted per our agreement with Rovi.**

B	C	D	E	F
LCGFT 1 (655 _7 \$2 lcgft)	LCGFT 2 (655 _7 \$2 lcgft)	LCSH 1 (650 _0)	LCSH 2 (650 _0)	Unauthorized (655 _4)
Action and adventure films				
Pornographic films				
Action and adventure films				
Experimental films				
Motion pictures		Motion picture industry  z India  z Mumbai	Feature films  z India	
Industrial films				
Children's films				
Comedy films				
Comedy films				
Crime films				
Motion pictures				
Dance films	Filmed dance			
Motion pictures				
Educational films				
Epic films				
Motion pictures		Interpersonal relations		
Fantasy films				
Motion pictures				Entertainment industry
Motion pictures		Physical fitness	Health	
Historical films				
Nonfiction films				
Horror films				
Motion pictures		Language and languages	Literature	
Motion pictures	Recreational works			
Concert films				
Musical films				
Detective and mystery films				
Nature films				

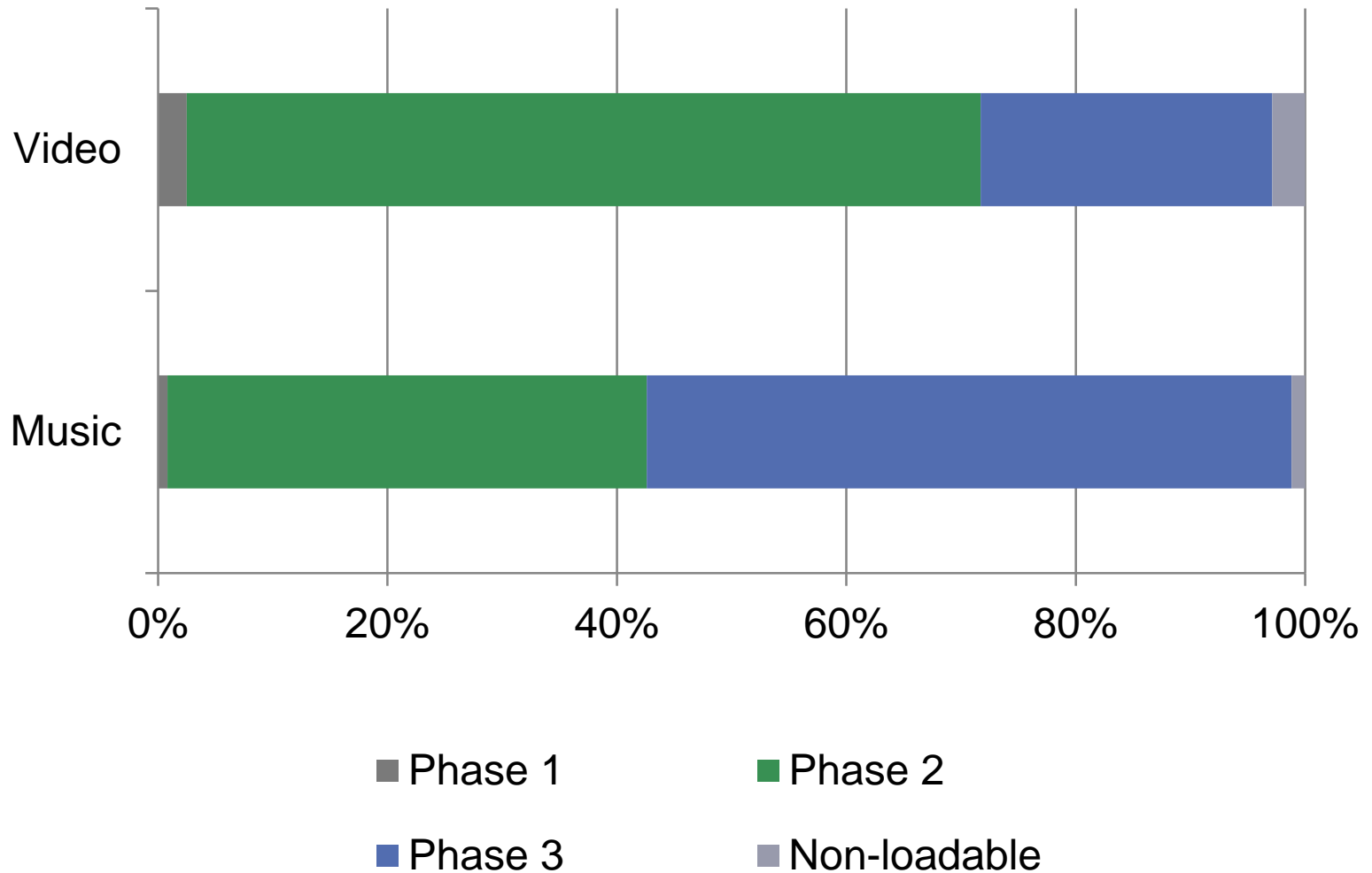
# PHASED CATALOGING PROCESS

## Phase 3 – Brief Record Generation (Music)





# RECORD COUNT



# LIMITATIONS

## **False Negative in Matching against local catalog & OCLC**

- Not all records have UPC

## **Error in ROVI data**

- Wrong disc count
- Wrong format info
  - Conflicting data within a bib record  
e.g. “1 disc” in 300 but “2 discs” in 866

# LIMITATIONS

## Circulation

- All-or-nothing for multi-disc sets
  - 1 accession number assigned per title
  - Accession number used as barcode for circulation



### Dark Shadows: The Complete Original Series (Deluxe Edition)

Jonathan Frid (Actor), Lara Parker (Actor), Dan Curtis (Director) | Rated: NR (Not Rated) | Format: DVD

★★★★★ ▾ 545 customer reviews

DVD  
\$405.79

Additional DVD options	Edition	Discs	Price	New from
DVD (Jul 10, 2012)	Deluxe Edition	131	\$405.79	\$405.79
DVD (Apr 10, 2012)	Limited Edition	131	—	—



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# LIMITATIONS

## **Phase 3 music records**

- Corporate name treated as personal names
  - No differentiation in original metadata
- No composer names for classical titles
  - “Artist” in data means “performer”

# UNINTENDED MESS-UP

## Mismatches

- UPC was the only match point
  - Multiple hits – pick the longest record
- Cataloging practices
  - UPCs of individual vol. recorded in set record
  - Set UPC in separately cataloged individual vol. record
- Consequences
  - Single-disc title → multi-disc set record
  - Multi-disc set title → Single-disc record
  - Totally different title (shared UPC code)



# UNINTENDED MESS-UP

## **“Duplicate” OCLC records**

- Records for same title merged on OCLC but not in local catalog
  - Existing local catalog record has an obsolete OCLC number (but different UPC code)
  - Phase 1 did not find the existing holding because of the unmatched UPC
  - Downloaded a OCLC copy (Phase 2) with an obsolete OCLC number (019) that matching the one already in local catalog
  - ILL request comes in requesting the ROVI copy → creating confusion to ILL staff since ROVI holding is not yet on OCLC

# STAFF IMPACT

## **Patrons love Rovi!**

- receiving hundreds of MSU patron and interlibrary loan requests each week
- had to eventually cap fulfillments at 100 per day for outside requests

## **Requests driving additional work in other units**

- Interlibrary services staff pulling/refiling Rovi items
- Catalog maintenance staff processing/packaging items for borrowing
- Lucas and AV catalogers correcting records, working on special clean up projects

# REMEDIES

**Continue correcting bib records both on-the-fly and in special projects**

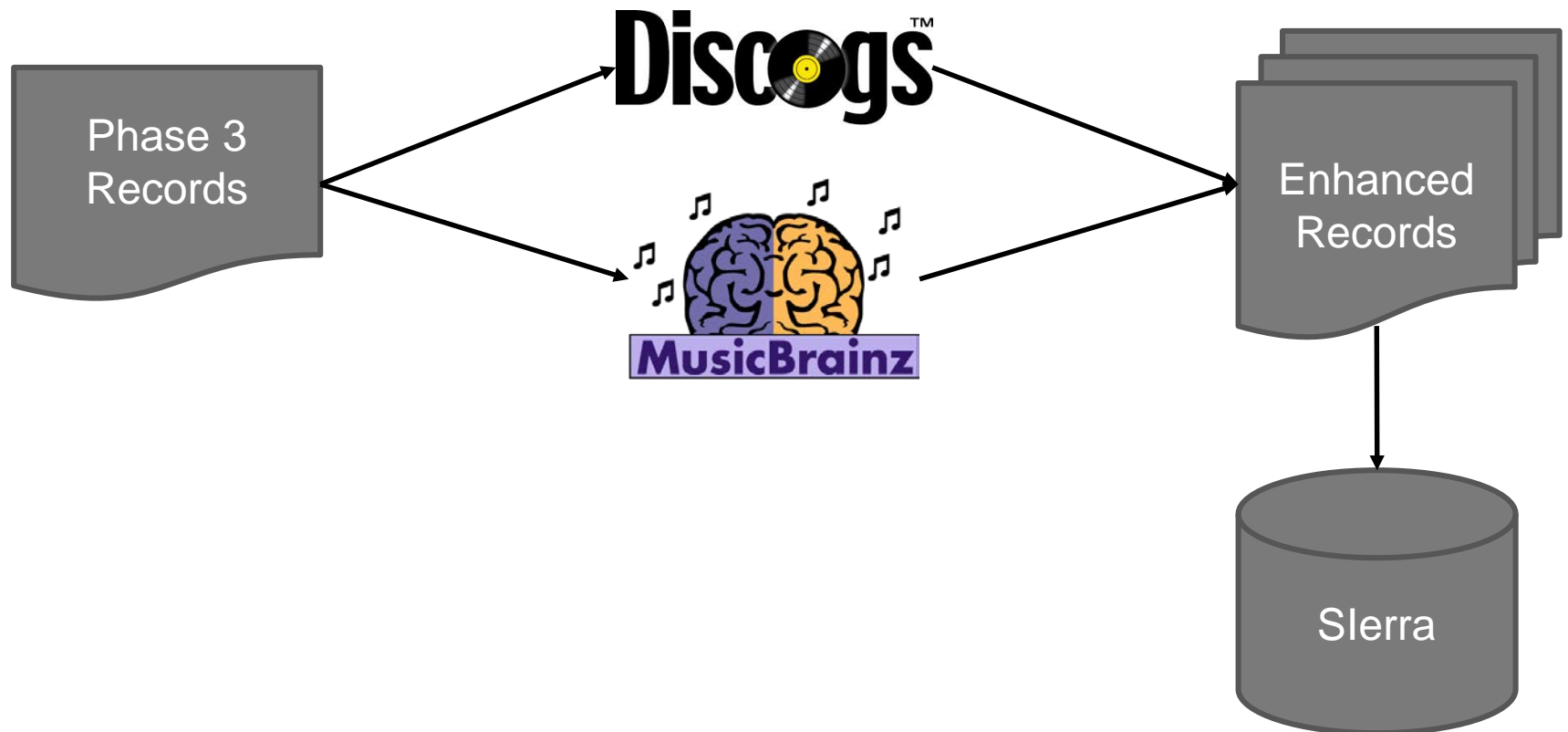
- workflows being streamlined

**Adjusting barcode number for circulation**

- Adding disc number as suffix to allow circulating individual discs from a set separately

# REMEDIES

## Record Enhancement (music)



# Authorized Access Point Lookup

LIBRARY OF CONGRESS  
LINKED DATA SERVICE



## Carlos Montoya

Profile: Spanish guitar player (1903 - 1993).

Sites: [Wikipedia](#)

Variations: [Viewing All](#) | [Carlos Montoya](#)  
[Carlos Montoya Y Su Grupo Flamenco](#)



WIKIPEDIA  
The Free Encyclopedia

## External links [\[edit\]](#)

- [Some photos of LP covers](#) [\[Oviatt Library Digital Collections\]](#)

### Authority control

[WorldCat](#) [\[VIAF: 39566363\]](#) • [LCCN: n82025134](#) [\[d241d75d-921f-4cfe-b2e0-da977f5f679d\]](#)



ASK A LIBRARIAN

DIGIT

[The Library of Congress](#) > [Linked Data Service](#) > [LC Name Authority](#)

## Montoya, Carlos, 1903-1993

From [Library of Congress Name Authority File](#)

Details

Visualization

## Montoya, Carlos, 1903-1993

URI(s)

> <http://id.loc.gov/authorities/names/n82025134>

Instance Of

> [MADS/RDF PersonalName](#)

> [MADS/RDF Authority](#)

> [SKOS Concept](#) [\[external link\]](#)

Scheme Membership(s)

> [Library of Congress Name Authority File](#)

Collection Membership(s)

> [Names Collection - Authorized Headings](#)

> [LC Names Collection - General Collection](#)



### External links

- Official homepage
- AllMusic
- BBC Music
- Discogs
- IMDb
- Eagles
- LyricWiki
- eaglesmusic
- MusicMoz
- Rateyourmusic
- Musik-Sammler
- WorldCat
- iTunes
- SecondHandSongs
- @TheEaglesBand
- EaglesBand
- Stream at Spotify
- VIAF: 139561748**
- Q189635
- W en: Eagles (band)
- [View all relationships](#)



Eagles

Eagles (Musical group)

صقور

**Eagles (zespół wokalny)**

**VIAF ID: 139561748 (Corporate)**

Permalink: <http://viaf.org/viaf/139561748>

ISNI: [0000 0001 1526 5624](#)

### Preferred Forms

- 210 || [ta Eagles](#)
- 110 2 \_ [ta Eagles](#)
- 110 2 \_ [ta Eagles](#)
- 110 2 \_ [ta Eagles \(Musical group\)](#)
- 110 2 \_ [ta Eagles \(Musical group\)](#)
- 110 2 \_ [ta Eagles \(zespół wokalny\)](#)
- 110 2 \_ [ta صقور](#)

# MORE MAPPING (AUTUMN)

Discogs - general	Discogs - specific	LCGFT 1 (655 _7 \$2 lcgft)	LCGFT 2 (655 _7 \$2 lcgft)	LCSH 1 (650 _0)	LCSH 2 (650 _0)
Latin	Beguine	Beguines (Music)			
Electronic	Berlin-School	Electronica (Music)			
Folk, World, & Country	Bhangra	Bhangra (Music)			
Jazz	Big Band	Jazz		Big bands	
Electronic	Big Beat	Techno (Music)	House music		
Rock	Black Metal	Black metal (Music)			
Folk, World, & Country	Bluegrass	Bluegrass music			
Rock	Blues Rock	Blues-rock music			
Latin	Bolero	Boleros (Music)			
Pop	Bollywood	Motion picture music	Popular music	Motion picture industry Iz India	Popular music Iz India
Hip Hop	Bongo Flava	Rap (Music)		Rap (Music) Iz Tanzania	
Latin	Boogaloo	Boogaloos (Music)			
Funk / Soul	Boogie	Boogie woogie (Music)			
Blues	Boogie Woogie	Boogie woogie (Music)			
Hip Hop	Boom Bap	Rap (Music)		Rap (Music) Iz United States	
Jazz	Bop	Bop (Music)			
Jazz	Bossa Nova	Bossa nova (Music)			
Latin	Bossanova	Bossa nova (Music)			
Hip Hop	Bounce	Bounce (Music)			
Brass & Military	Brass Band			Brass band music	
Electronic	Breakbeat	Electronica (Music)			
Electronic	Breakcore	Electronica (Music)	Underground dance music		
Electronic	Breaks	Electronica (Music)			
Rock	Brit Pop	Popular music		Popular music Iz Great Britain	
Hip Hop	Britcore	Rap (Music)		Rap (Music) Iz Great Britain	
Electronic	Broken Beat	Electronica (Music)			
Folk, World, & Country	Cajun	Cajun music			
Reggae	Calypso	Calypso (Music)			
Folk, World, & Country	Cambodian Classical	Art music		Music Iz Cambodia	
Folk, World, & Country	Canzone Napoletana	Villanelle (Songs)			
Jazz	Cape Jazz	Jazz		Jazz Iz South Africa	



# IF WE COULD DO IT AGAIN...

## **Use regular barcode for circulation**

- Allow circulation of individual discs separately from the get-go
- Have to print a new barcode label anyway

## **Additional match points**

- Label number (music) and name of publisher?
- Maybe including “disc count” in addition to UPC as match point to avoid mismatches??



# QUESTIONS?

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