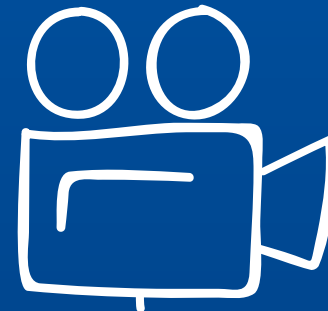


# Confronting the Challenges of Audiovisual Preservation

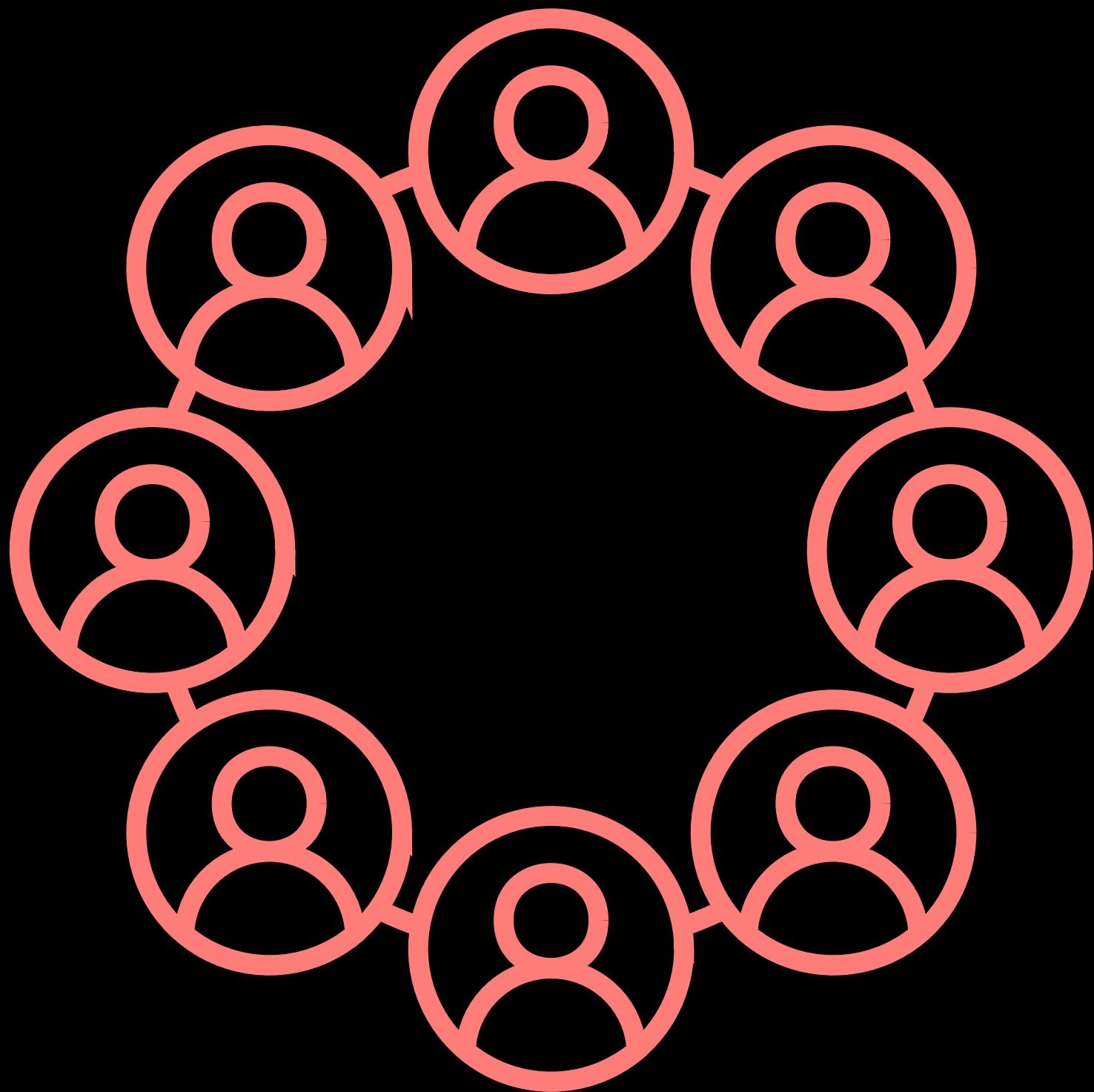


**Inforum Conference, Prague  
30-31 May 2017**

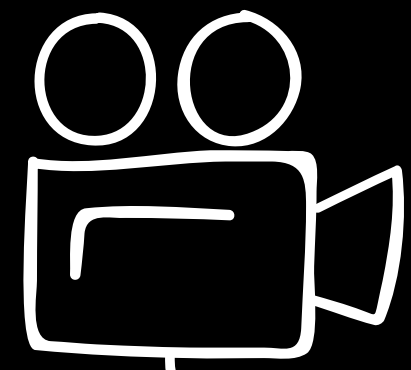
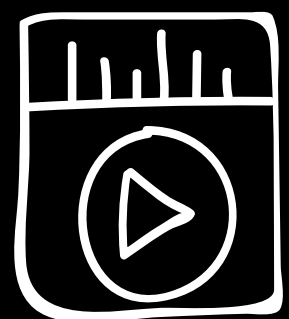
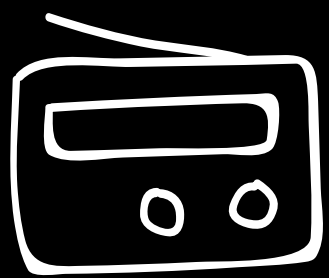
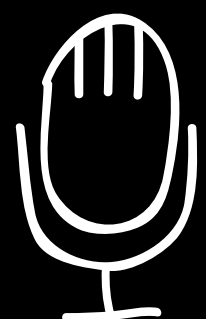
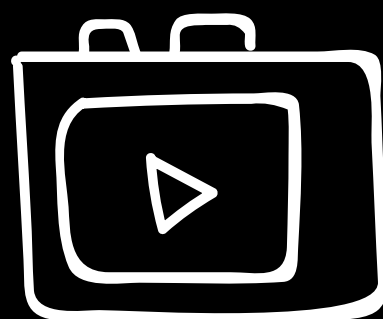
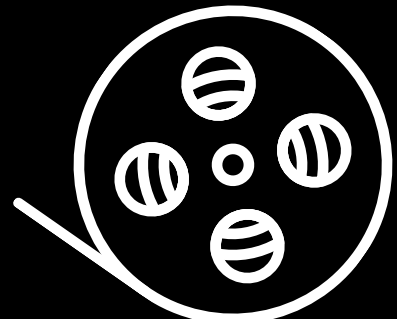
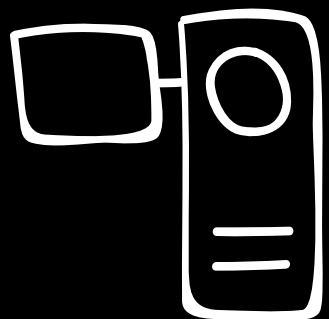
**Yvonne Ng  
Senior Archivist, WITNESS**



All images from Europeana & Flickr Commons

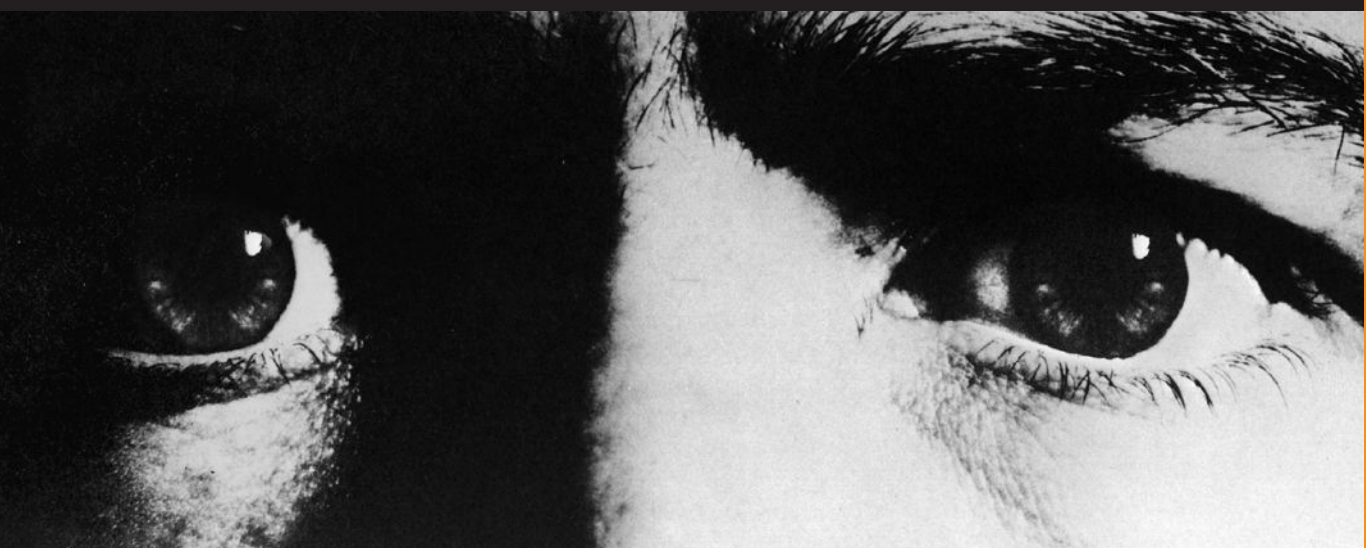








**WITNESS**



**SEE IT**

**FILM IT**

**CHANGE IT**



April 29 1992: LAPD riot cops advance along Temple Street in Downtown LA





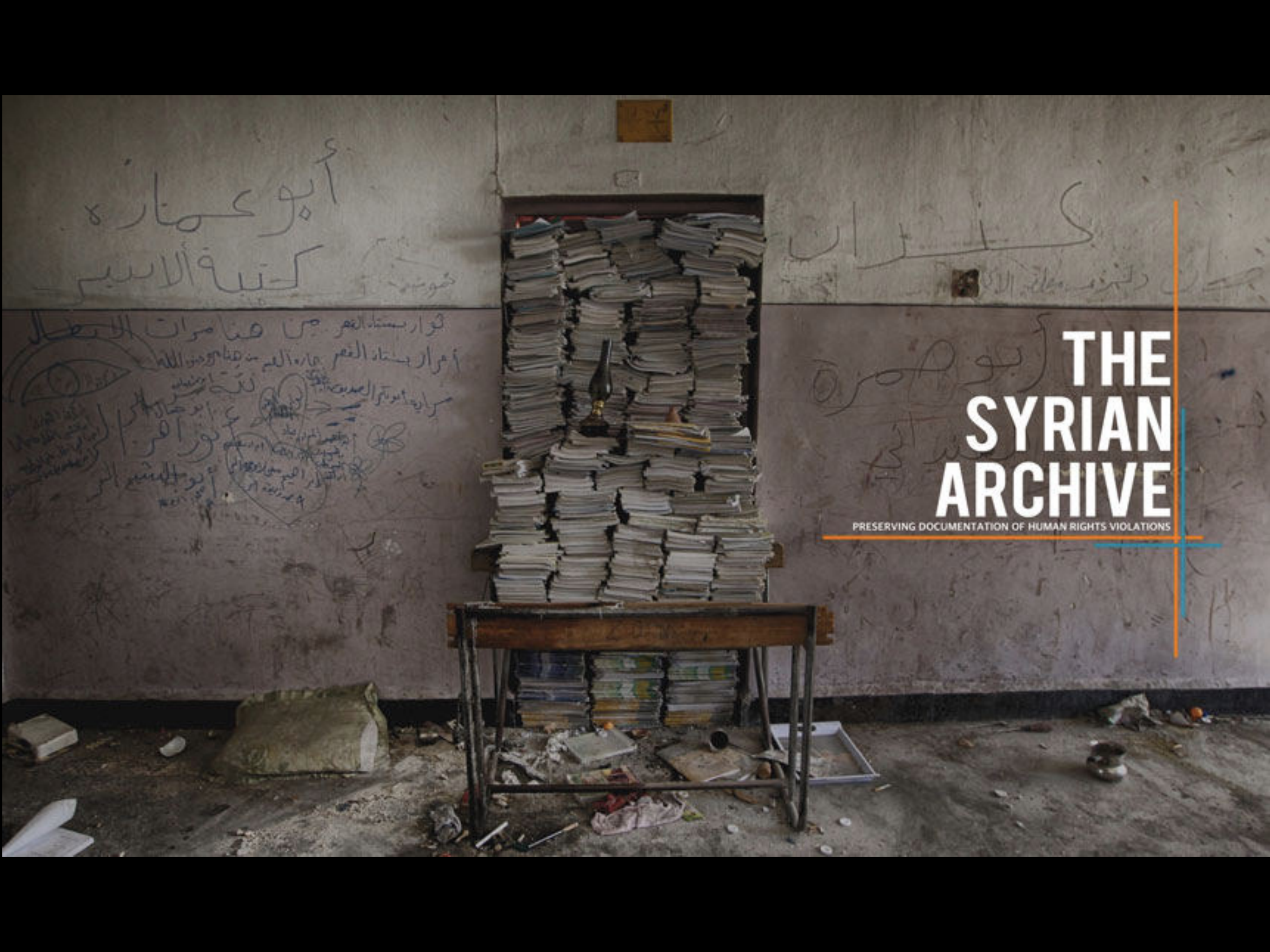
WITNESS works with human rights activists around the world





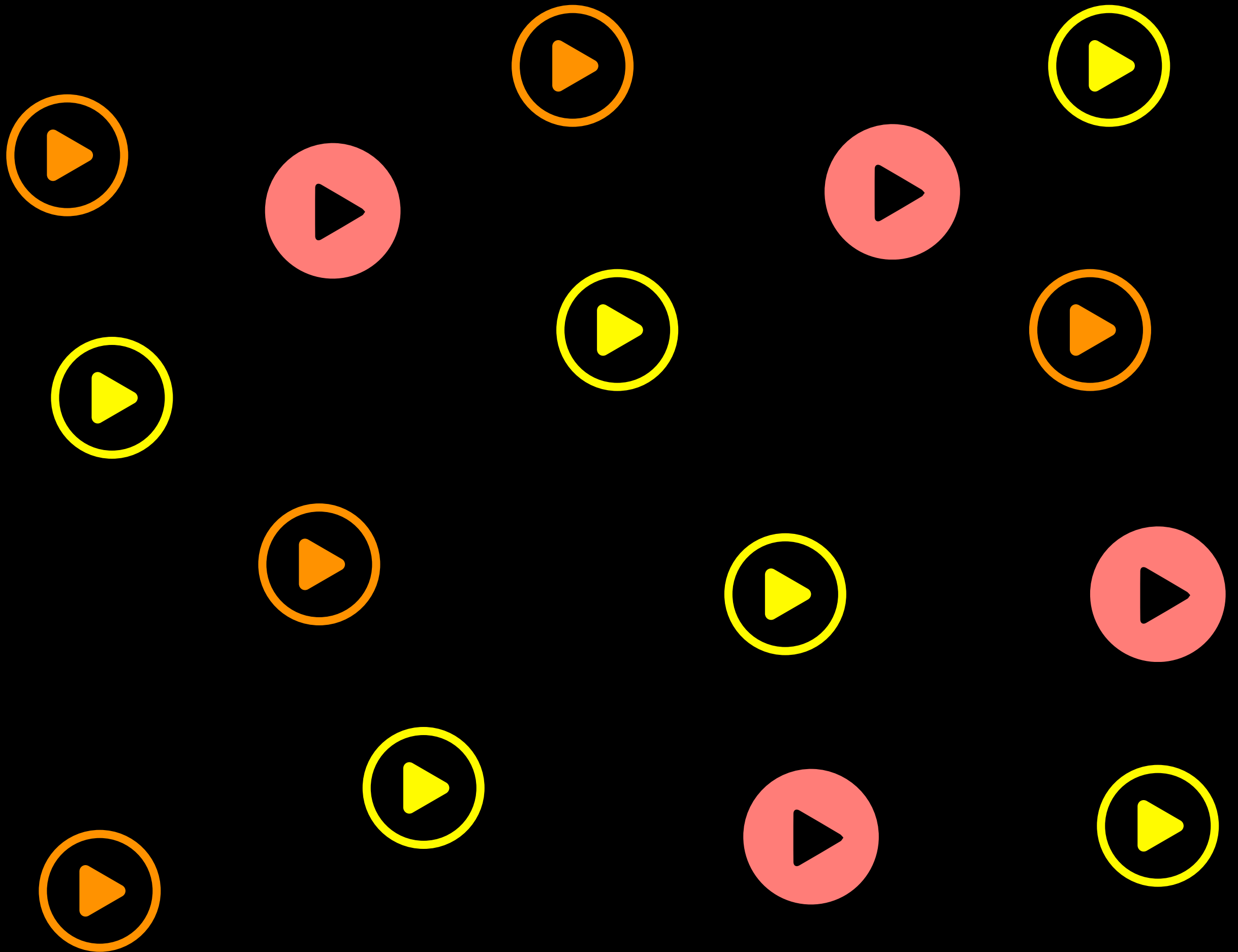
Video still: Syrian Media Centre





# THE SYRIAN ARCHIVE

PRESERVING DOCUMENTATION OF HUMAN RIGHTS VIOLATIONS







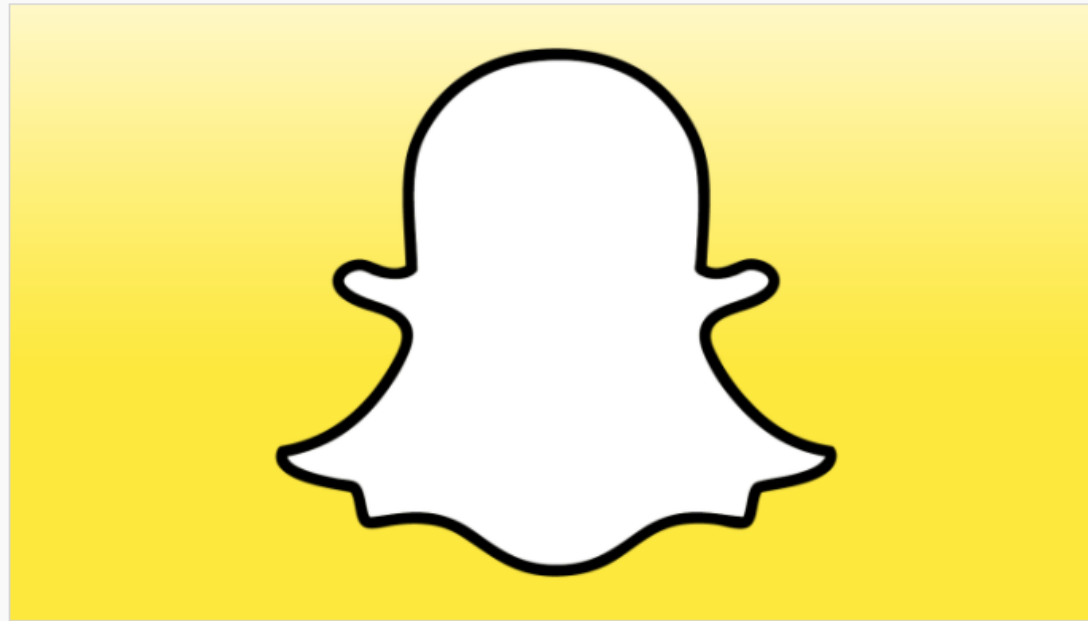
Statistics on YouTube usage from CEO Susan Wojcicki, VidCon presentation 2015

# Snapchat Reaches 6 Billion Daily Videos Views, Tripling From 2 Billion In May

Posted Nov 9, 2015 by [Lucas Matney \(@lucas\\_matney\)](#)



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**Crunchbase**

**Snap Inc.**

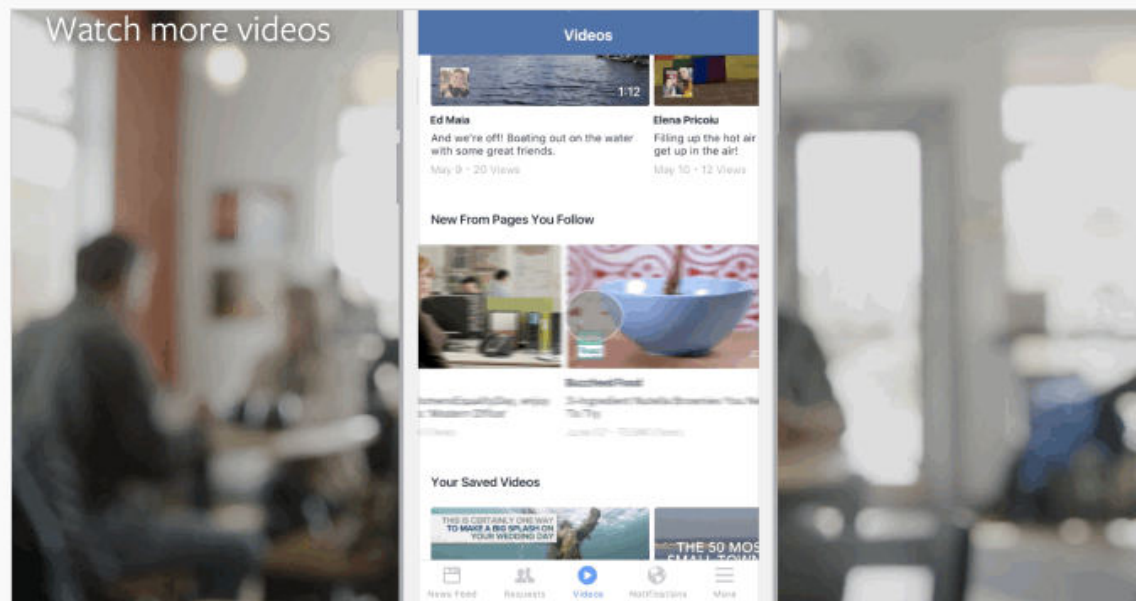
# Facebook Hits 8 Billion Daily Video Views, Doubling From 4 Billion In April

Posted Nov 4, 2015 by [Josh Constance \(@joshconstance\)](#)



[Ne](#)

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**Crunchbase**



“Most of the content 10 years ago was text, and then photos, and now it’s quickly becoming videos [....] I just think that we're going to be in a world a few years from now where the vast majority of the content that people consume online will be video.”

*–Mark Zuckerberg, Facebook*





“Digital preservation is not necessarily once-and-for-all, or all-or-nothing. [...] A relatively small investment may be enough to preserve the option of making larger commitments in the future if needed.

- *Blue Ribbon Task Force on Sustainable Digital Preservation and Access*

# Risks to Audiovisual Media

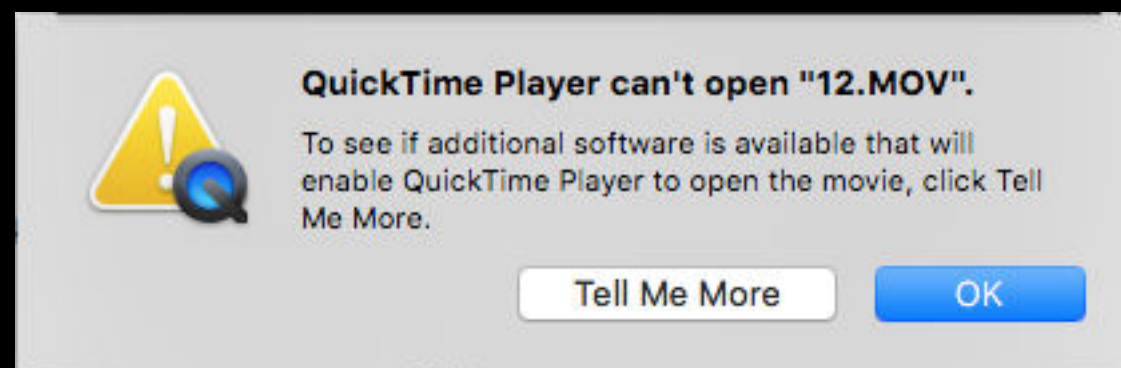
- Degradation
- Technological obsolescence
- Identifiability and understandability



# Damage, deterioration, corruption



Photo: Mona Jimenez



# Technological obsolescence



Photo: XFR Collective





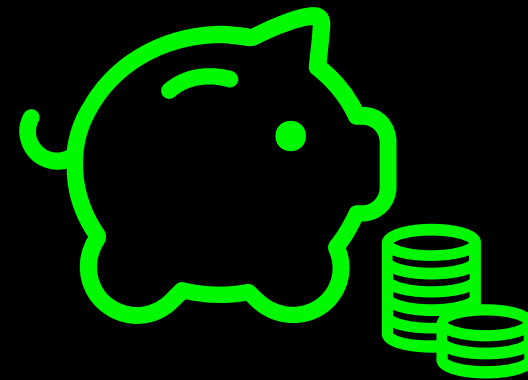
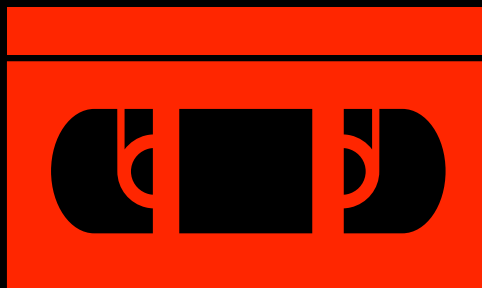
# Identifiability & understandability



Photo: Community Archiving Workshop



# Cost of Inaction





Last year for magnetic media?

2028

2018

Number of objects in collection?

6,000

2050

10,000,000

Collection's audio-video percentage?

100% Video

0% Audio

Investment to date for media?

\$100,000

\$1

\$100,000,000

Annual cost per media item moving forward?

\$3.00

\$0.01

\$30

Digitization cost per item?

\$60.00

\$0.01

\$10000

Year you will start digitizing items?

2017

2017

Annual digitization budget?

\$20,000

2028

\$50,000,000

Storage service?

Amazon

Annual decrease in cost of storage?

15%

0%

100%

Annual increase in cost of digitization?

16%

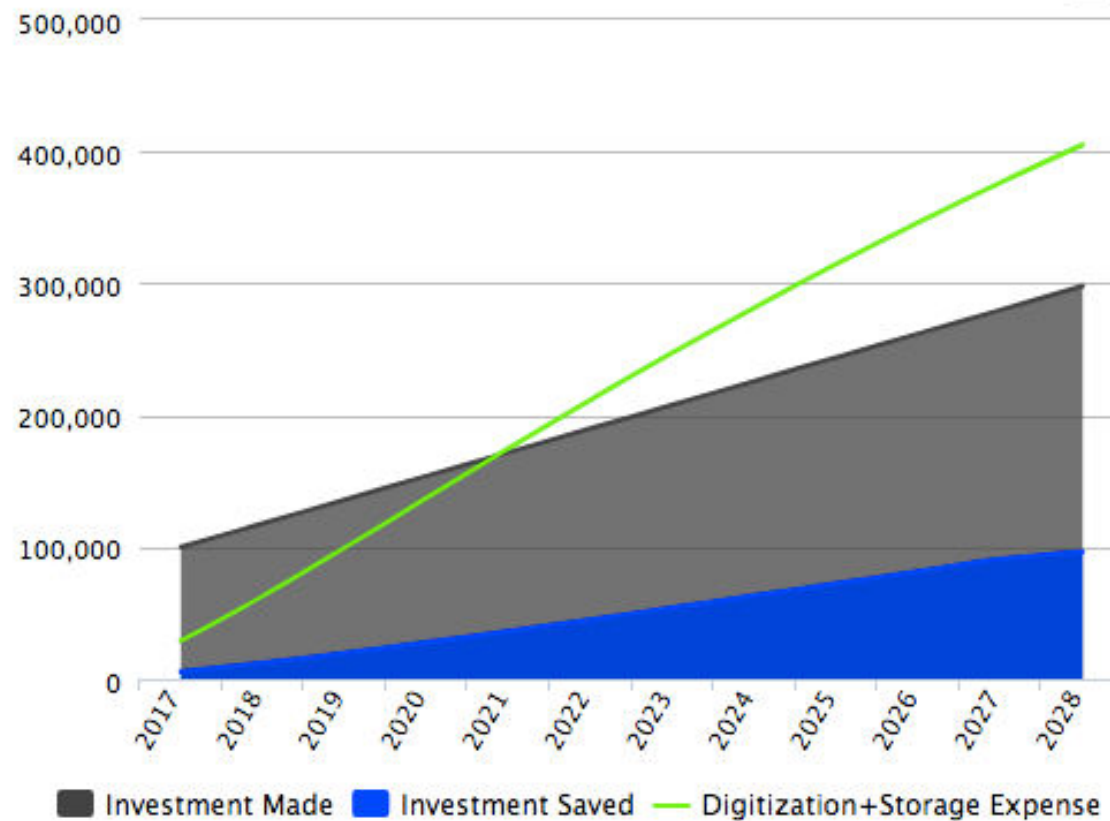
0%

100%

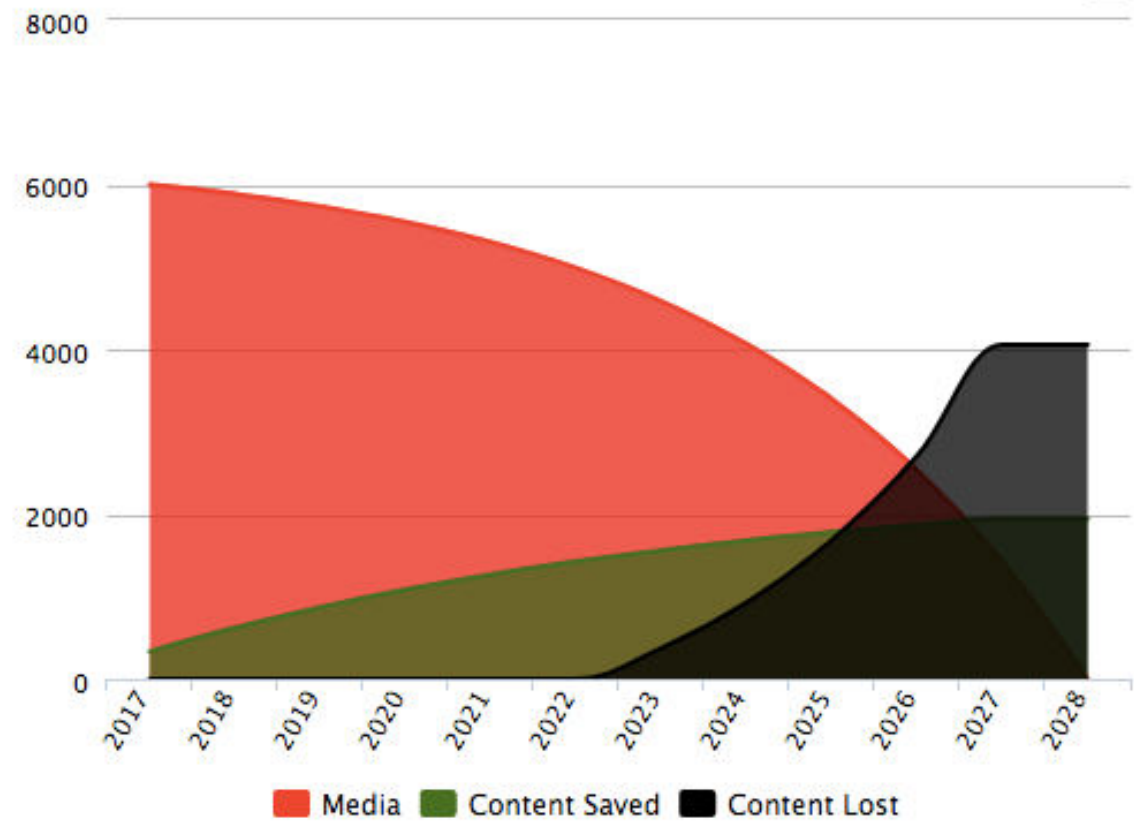
Collection Analysis

Start Implications

## Investment Analysis



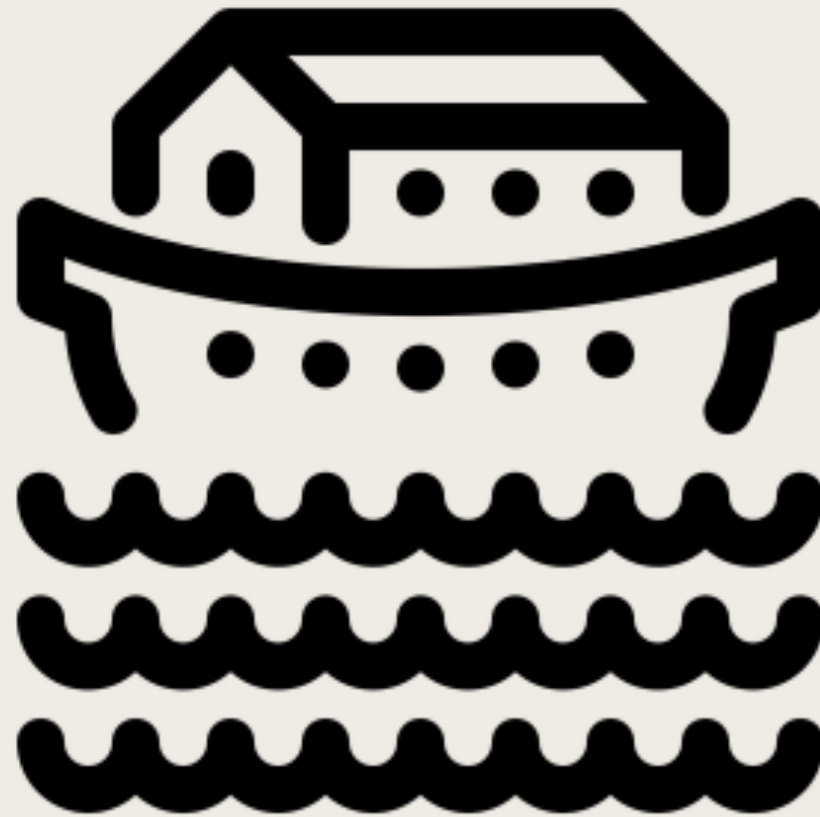
## Item and Accessibility Analysis



# Cost to environment



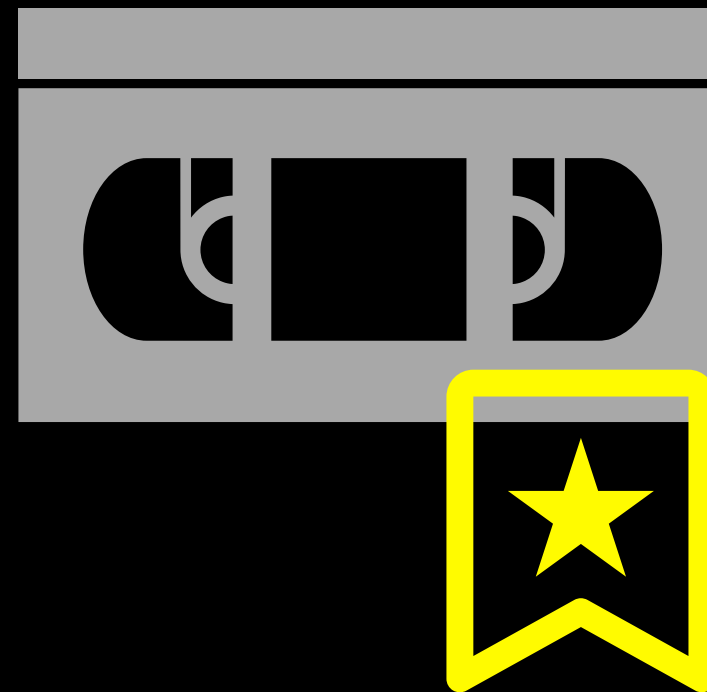
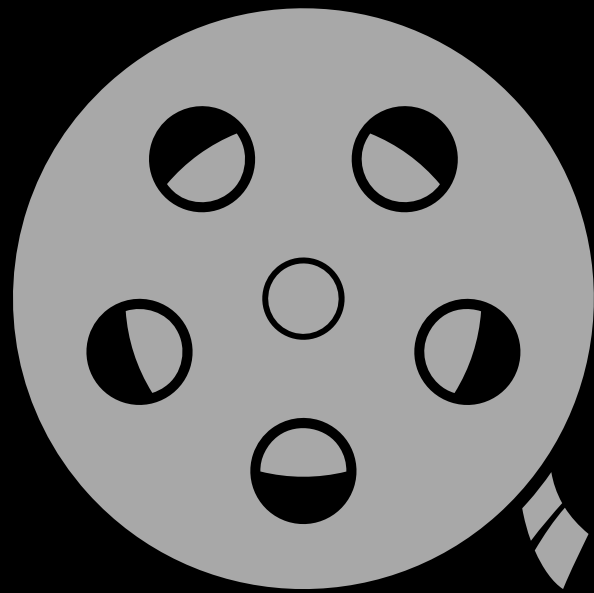


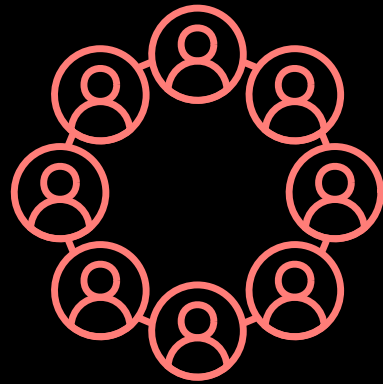


# PROJECT\_ARCC

archivists responding to climate change

# Prioritization & minimum actions





# Collaboration!



# Collaboration

- Training and education.
- Outreach, involvement, knowledge sharing beyond the profession.
- Open-source tools and resources.
- Shared equipment and infrastructure.
- Professional associations.

# Training and Education




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# MOVING IMAGE ARCHIVING AND PRESERVATION M.A.





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CINEMA STUDIES

AUDIOVISUAL PRESERVATION EXCHANGE (APEX)

MENU +

APEX promotes international collaboration and academic dialogue on film and media preservation in order to safeguard the world's audiovisual heritage. APEX is an opportunity for members of the international audiovisual archival community to exchange knowledge and skills in areas such as inspection and care of audiovisual materials, cataloging, metadata management, digitization, digital preservation, and access to collections.



STUDENT WORK



Students and faculty at APEX Santiago, 2016.



ICCROM

International Centre for the Study of the Preservation and Restoration of Cultural Property

EN FR IT

Li  
Op

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## SOIMA 2017: Sustaining Sound and Image Collections

FEBRUARY 8, 2017



Deadline extended: April 3, 2017

Date: 9 July to 23 July 2017

Place: [Institute of African Studies at the University of Ghana](#), Accra, Ghana

Organizers: [ICCROM](#) and the [University of Ghana](#)



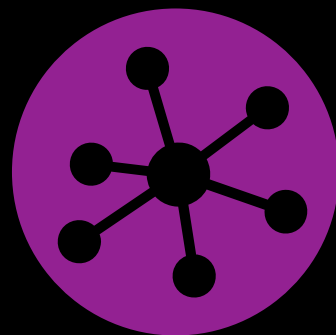
# WINTER SCHOOL

*for audiovisual archiving*

**SOUND AND VISION**

*25 - 27 January 2017*

Outreach, involvement,  
and knowledge sharing  
beyond the profession

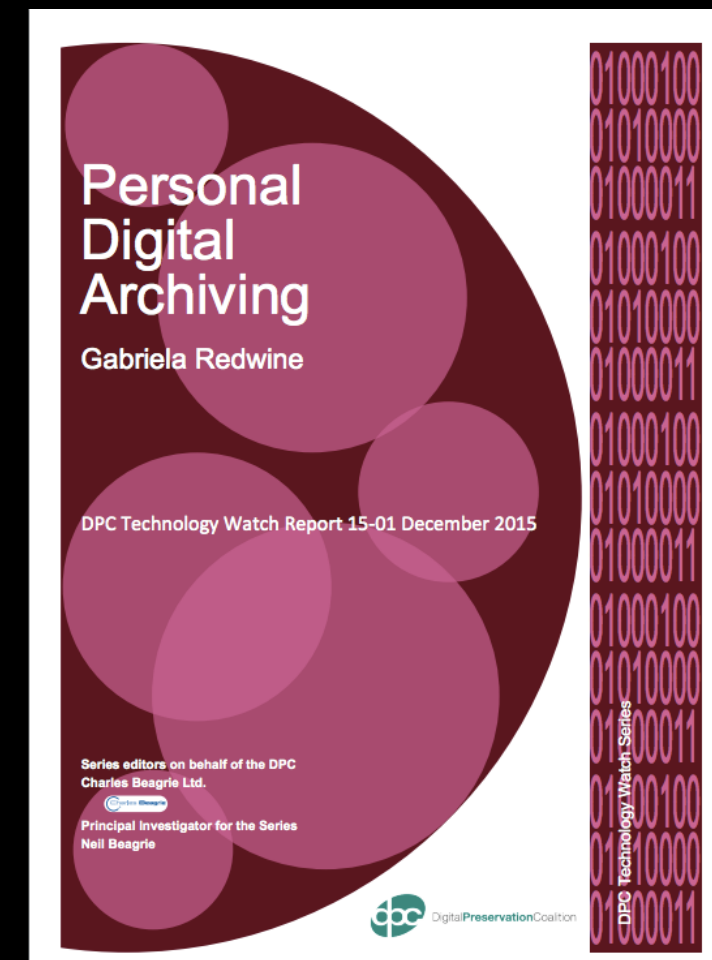
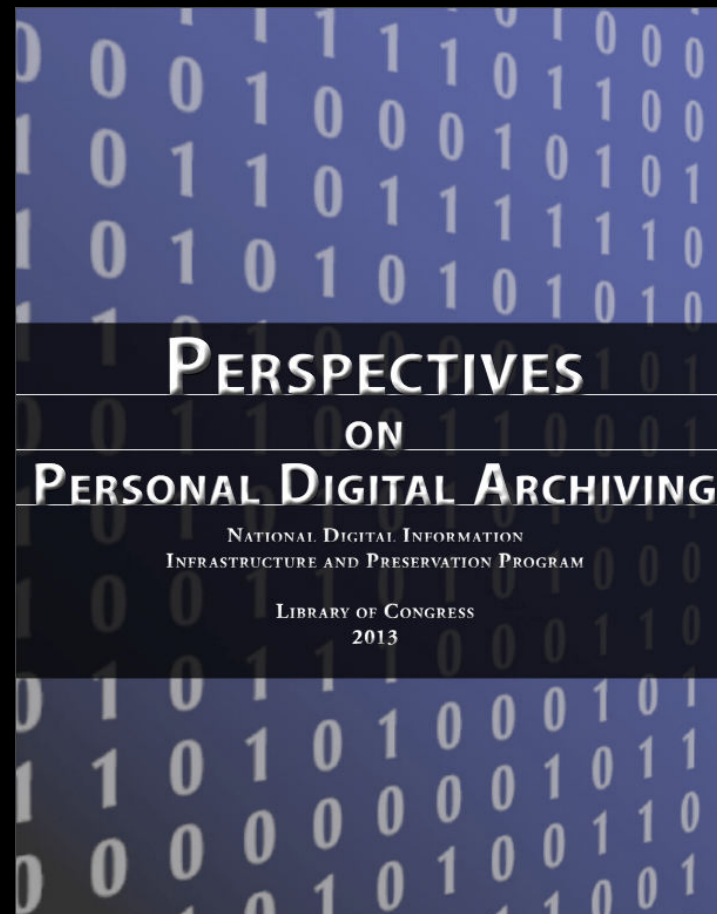
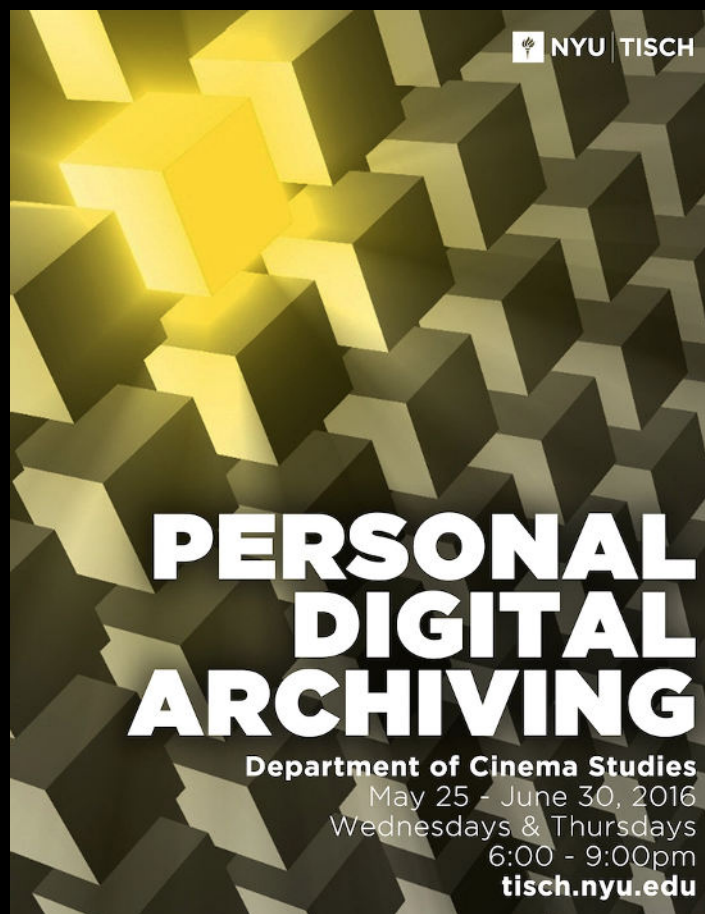






Community Archiving Workshops - New York, Portland, Savannah, Manila






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# Personal Digital Archiving 2017

Personal Digital Archiving 2017

Registration

Schedule

+

March 29-31, 2017  
Stanford University  
Palo Alto, CA



Stanford University Libraries is pleased to host the PDA 2017 conference. Stanford University is located in Palo Alto, CA, in the heart of Silicon Valley, and a short commuter train ride from San Francisco.



# Open Source Tools & Resources



**archivematica<sup>®</sup>**





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## AMIA Open Source

An organizational account for collaboration on resources that support the preservation and use of moving image media.

 **Repositories**

 **People** 9

### Pinned repositories

#### ffmpegprovisr

Repository of useful FFmpeg command lines for archivists!

 HTML ★ 45 🍴 18

#### vrecord

Vrecord is open-source software for capturing a video signal and turning it into a digital file.

 Shell ★ 26 🍴 7

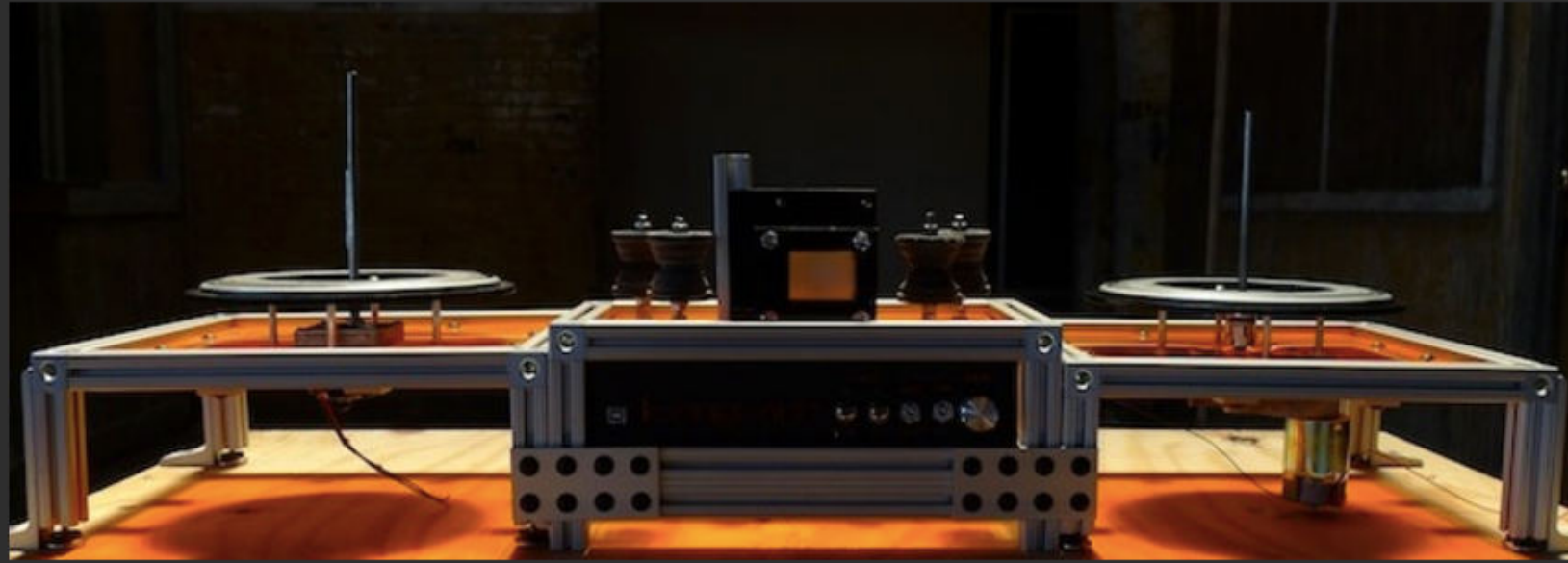
#### cable-bible

A guide to cables and connectors used for audiovisual tech

 HTML ★ 18 🍴 9

Association of Moving Image Archivists' Open Source Committee on GitHub

# The Open Source Film Digitization Platform

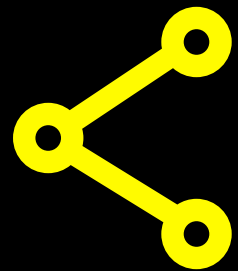


Kinograph film scanner by Matthew Epler

#opencleaner: open-source videotape cleaning



Videotape cleaner by Erik Piil



Shared equipment  
and infrastructure



# XFER

## COLLECTIVE





# Memory Lab

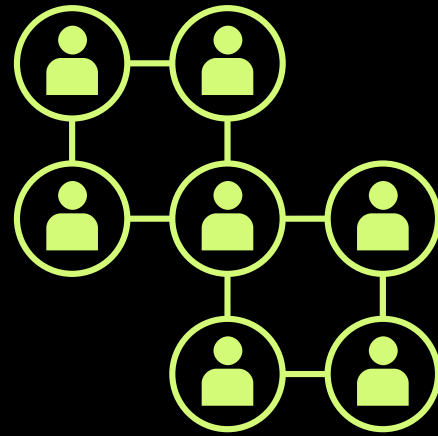
dc public library



DC Public Library's Memory Lab (with NDSR resident Jaime Mears)







# Professional Associations



**AMIA**

**fiaf**



- \* International Association of Sound and Audiovisual Archives
- \* Internationale Vereinigung der Schall - und audiovisuellen Archive
- \* Association Internationale d'Archives Sonores et Audiovisuelles
- \* Asociación Internacional de Archivos Sonoros y Audiovisuales



**FIAT**  **IFTA**

ASSOCIATION  
FOR RECORDED  
SOUND  
COLLECTIONS



**SEAPAVAA**

SouthEast Asia-Pacific AudioVisual Archive Association

Děkuji!  
Thank you!

Yvonne Ng  
[yvonne@witness.org](mailto:yvonne@witness.org)  
[@ng\\_yvonne](https://twitter.com/ng_yvonne)

