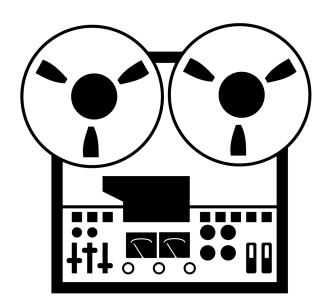
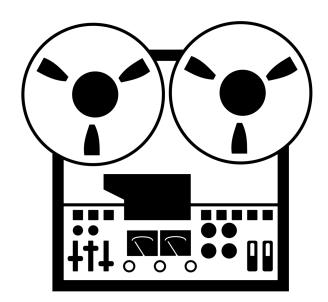
• COST OF INACTION • CALCULATOR

Kara Van Malssen | AVPreserve | kara@avpreserve.com

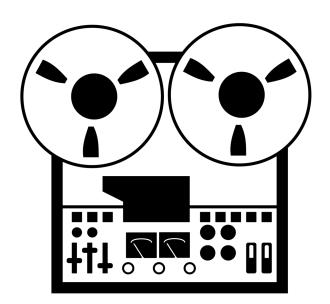
www.avpreserve.com coi.avpreserve.com

Designing Storage Architectures for Digital Collections 2014
September 22-23, 2014
Washington, DC

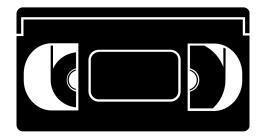


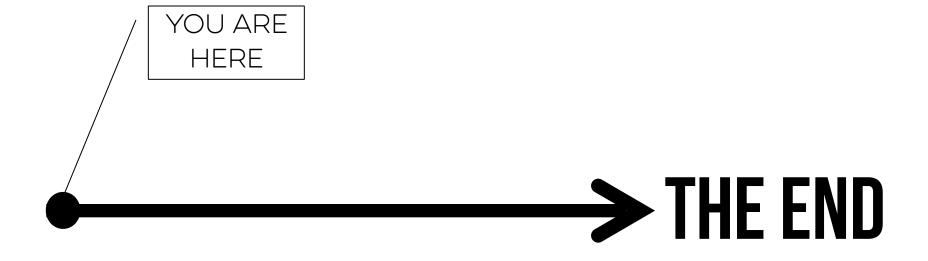












"...it is alarming to realize that nearly all recorded sound is in peril of disappearing or becoming inaccessible within a few generations."

 National Recording Preservation Board in "Capturing Analog Sound for Digital Preservation" (2006) "...many analog audio recordings must be digitized within the next 15 to 20 years — before sound carrier degradation and the challenges of acquiring and maintaining playback equipment make the success of these efforts too expensive or unattainable."

 The Library of Congress National Recording Preservation Plan (2012), page 7

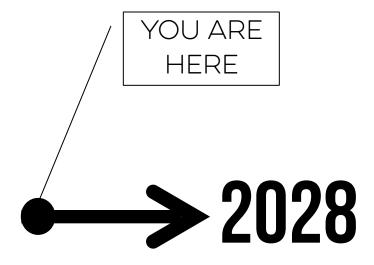
"So that's it: going, going, gone for analog by 2023"

Richard Wright, PrestoCentre Blog (2013)

"How much time do we have? 10 - 15 Years"

Michael Casey, Indiana University, Association for Recorded Sound
 Collections (ARSC) Conference (2013)





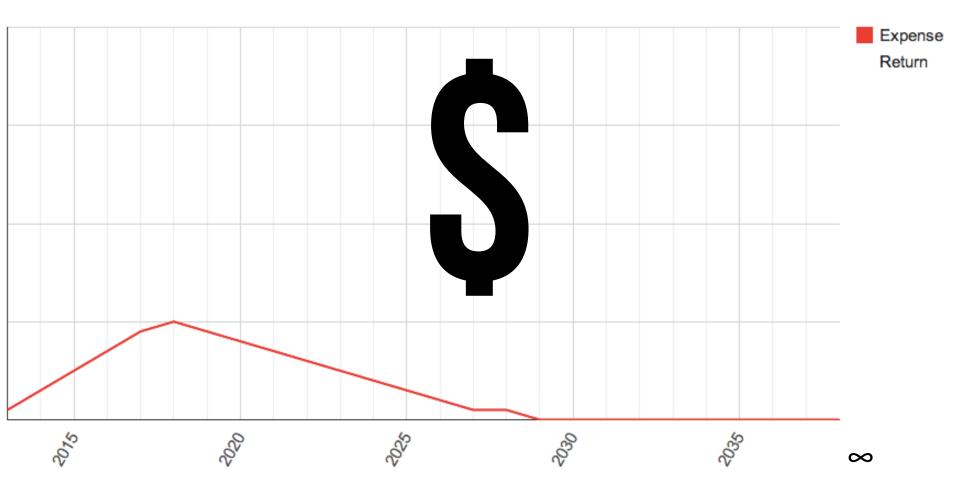


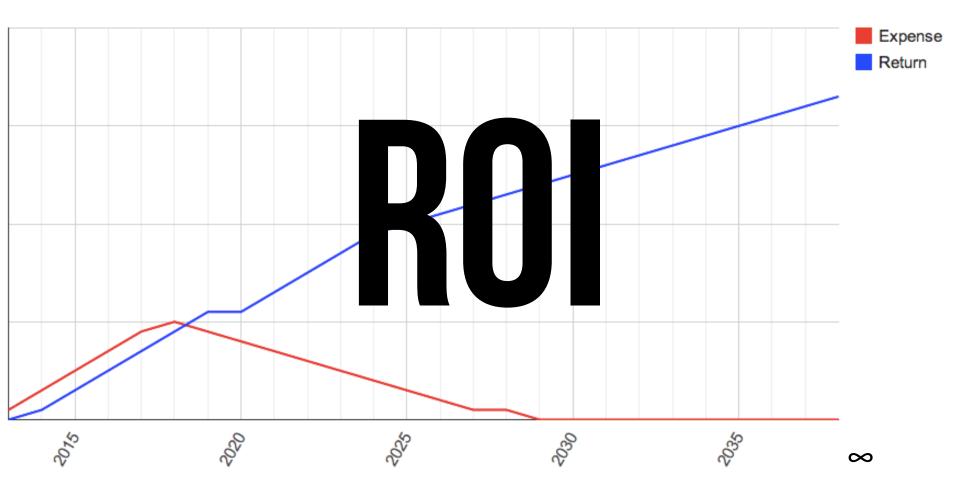
"Another misleading perception about digital preservation investments is that ... choices are binary: either we implement intensive preservation ...immediately and forever; or we do nothing.... A relatively small investment may be enough to preserve the option of making larger commitments in the future."

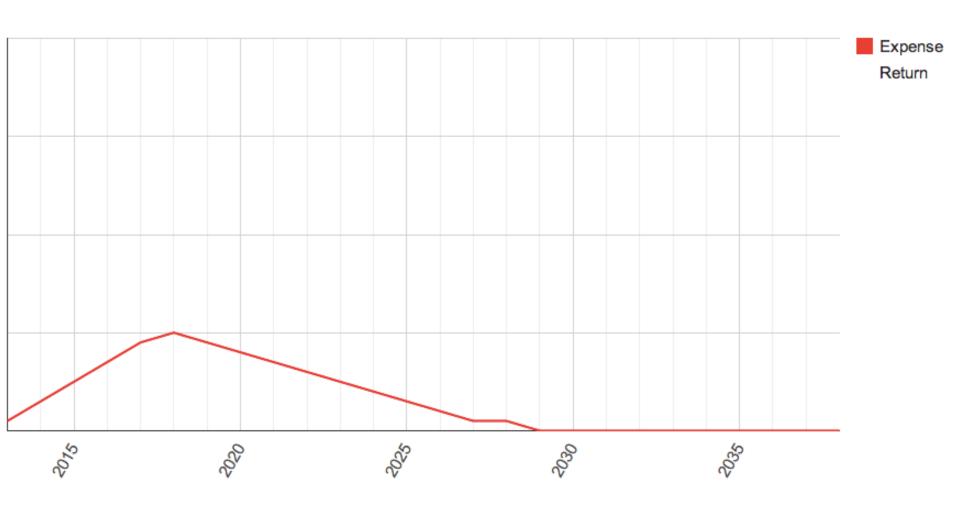
 Blue Ribbon Task Force: Sustainable Economics for a Digital Planet (2010), Page 99

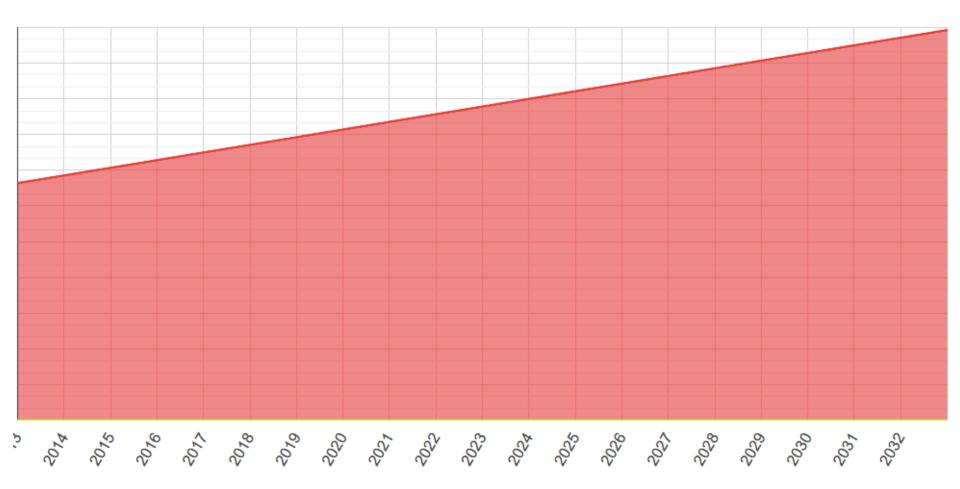
"Commitments made today are not commitments for all time. But actions must be taken today to ensure flexibility in the future"

 Blue Ribbon Task Force: Sustainable Economics for a Digital Planet (2010), Page 5

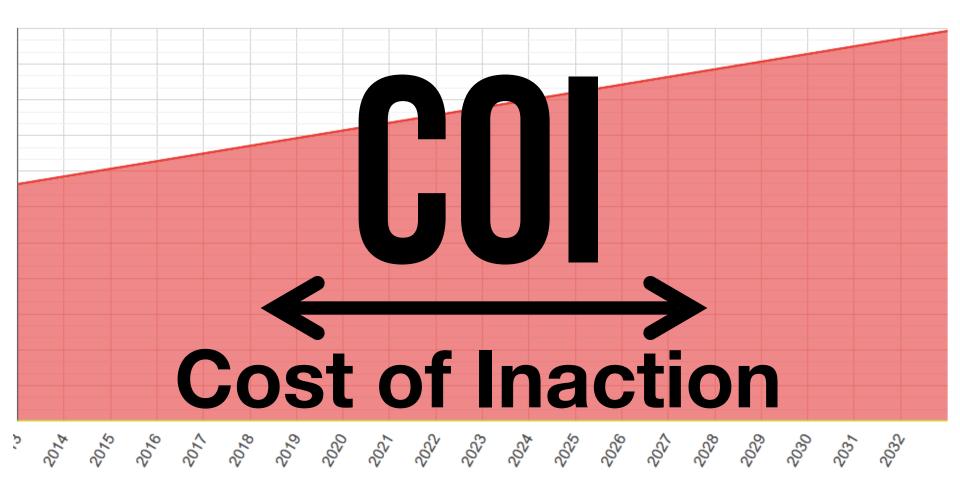








Year



SCENARIOS	A	B	C
Digitization Budget	\$375k	\$375k	\$100k
Digitization Start	2020	2014	2014
Content Lost	37,075	16,443	40,929
Investment Lost	\$4.89M	\$1.37M	\$5.20M



Level 4: Repair your data

Level 3: Monitor your data

Level 2: Know your data

Level 1: Protect your data

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COST OF INACTION CALCULATOR

The Acme Story



You've

time and money to preserve the physical objects in your media collection.



However, over time

audiovisual materials will become unusable due to decay and obsolescence.



The only way to save

your collection is to reformat through digitization.



The cost of digitization

may be great, but the cost of inaction may be even greater.

ANALYZE YOUR COLLECTION >>

Use our calculator to analyze your Cost of Inaction



Provides concrete data points to help



Offers financial and nonfinancial

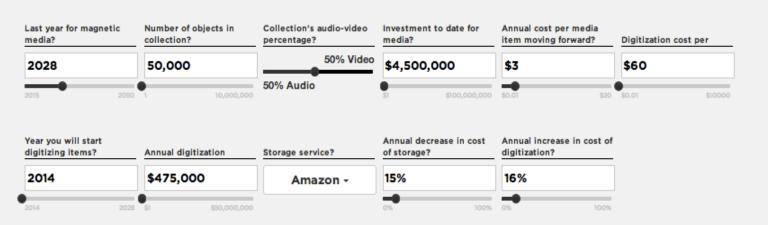


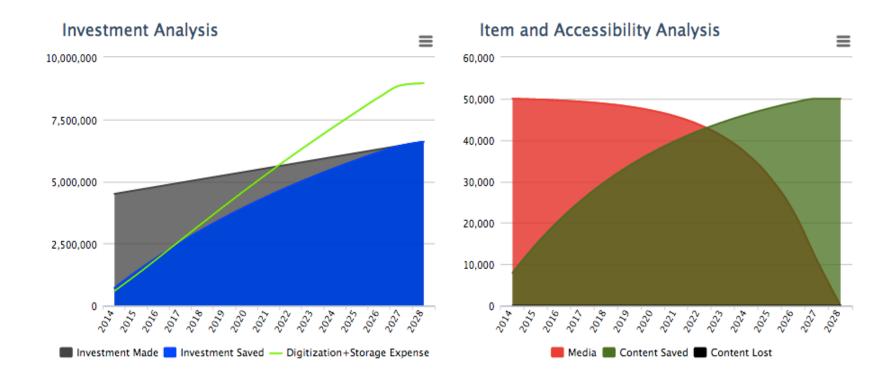
Generates a timeline for planning and

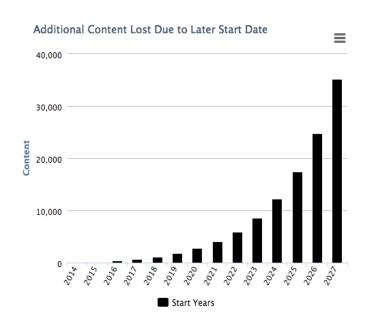


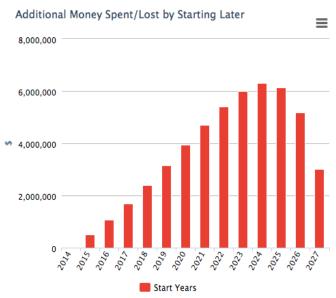
Enables comparative analysis of

Enter your collection details









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_

Year Digitization Started	Annual Digitization Budget Required	Storage Cost by 2028	Total Spent by 2028	Investment Lost	Add'l Spent due to later start	Spent + Lost by 2028	Content Lost	\$ Spent + Lost Cumulative Difference	Content Lost Cumulative Difference	% More \$ Spent + Lost	% More Content Lost
2014	\$473,012	\$1,136,391	\$7,758,559	\$0	\$0	\$7,758,559	0	\$0	0	100.00%	0.00%
2015	\$559,699	\$953,798	\$8,229,885	\$21,787	\$471,326	\$8,251,672	165	\$493,113	165	106.36%	0.33%
2016	\$664,271	\$797,830	\$8,769,082	\$52,563	\$1,010,523	\$8,821,645	398	\$1,063,086	398	113.70%	0.80%
2017	\$791,080	\$664,418	\$9,366,298	\$96,038	\$1,607,739	\$9,462,336	728	\$1,703,777	728	121.96%	1.46%

The Cost of Inaction Calculator

The Acme Story

Analyze Your Collection

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Wey Findings

Investment saved per \$1 of expense \$0.74

73.75%

Return

\$0

Investment Lost

0

Content Lost

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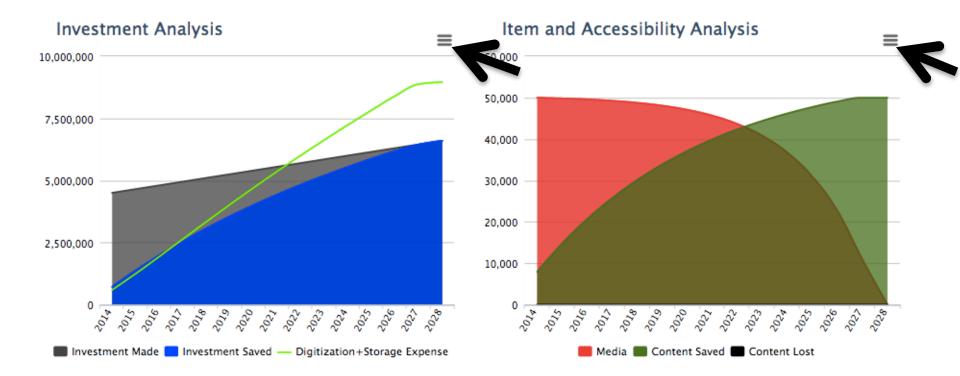
Year	Media	Content Saved	Excess Items Digitized	Investment Made	Content Lost	Investment Lost	Investment Saved	Digitization Expense	Storage Expense	Digitization + Storage Expense	Investment Saved per \$1 of expense	Quality of Selection
2014	50,000	7,917	7,747	\$4,500,000	0	\$3,787,500	\$712,500	\$475,000	\$113,993	\$588,993	\$1.21	100.00%
2015	49,831	14,741	6,583	\$4,650,000	0	\$3,279,052	\$1,370,948	\$950,000	\$294,417	\$1,244,417	\$1.10	99.66%
2016	49,589	20,625	5,540	\$4,800,000	0	\$2,820,024	\$1,979,976	\$1,425,000	\$508,984	\$1,933,984	\$1.02	99.18%
2017	49,246	25,697	4,583	\$4,950,000	0	\$2,406,034	\$2,543,966	\$1,900,000	\$736,216	\$2,636,216	\$0.97	98.49%
2018	48,756	30,069	3,676	\$5,100,000	0	\$2,032,969	\$3,067,031	\$2,375,000	\$962,228	\$3,337,228	\$0.92	97.51%
2019	48,060	33,838	2,778	\$5,250,000	0	\$1,696,993	\$3,553,007	\$2,850,000	\$1,178,419	\$4,028,419	\$0.88	96.12%
2020	47,068	37,087	1,838	\$5,400,000	0	\$1,394,551	\$4,005,449	\$3,325,000	\$1,379,828	\$4,704,828	\$0.85	94.14%
2021	45,657	39,889	791	\$5,550,000	0	\$1,122,361	\$4,427,639	\$3,800,000	\$1,563,955	\$5,363,955	\$0.83	91.31%
2022	43,647	42,303	0	\$5,700,000	0	\$877,409	\$4,822,591	\$4,275,000	\$1,729,938	\$6,004,938	\$0.80	87.29%
2023	40,785	44,385	0	\$5,850,000	0	\$656,939	\$5,193,061	\$4,750,000	\$1,877,967	\$6,627,967	\$0.78	81.57%
2024	36,711	46,180	0	\$6,000,000	0	\$458,434	\$5,541,566	\$5,225,000	\$2,008,878	\$7,233,878	\$0.77	73.42%
2025	30,910	47,727	0	\$6,150,000	0	\$279,608	\$5,870,392	\$5,700,000	\$2,123,880	\$7,823,880	\$0.75	61.82%
2026	22,651	49,060	0	\$6,300,000	0	\$118,386	\$6,181,614	\$6,175,000	\$2,224,364	\$8,399,364	\$0.74	45.30%
2027	10,892	50,000	0	\$6,450,000	0	\$0	\$6,450,000	\$6,563,180	\$2,311,411	\$8,874,591	\$0.73	21.78%
2028	0	50,000	0	\$6,600,000	0	\$0	\$6,600,000	\$6,563,180	\$2,385,401	\$8,948,581	\$0.74	0.00%





Enter your collection details





The Cost of Inaction Calculator

The Acme Story

Analyze Your Collection

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Key Findings

Investment saved per \$1 of expense

Return

Investment Lost

Content Lost

\$0.74

73.75%

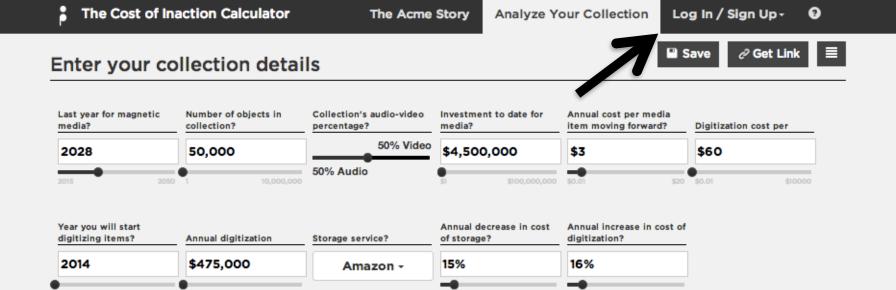
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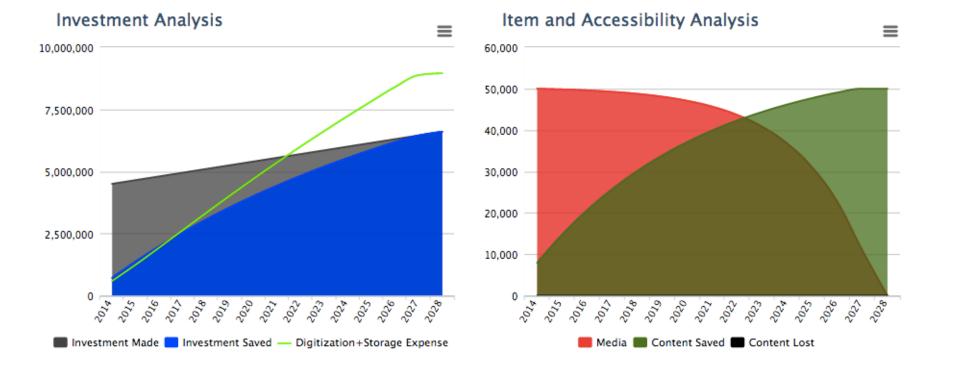
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			Excess							Digitization +	Investment Saved	Quality of
Year	Media	Content Saved	Items Digitized	Investment Made	Content Lost	Investment Lost	Investment Saved	Digitization Expense	Storage Expense	Storage Expense	per \$1 of expense	Selection
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Annual decrease in cost

of storage?

15%

Annual increase in cost of

digitization?

16%

Year you will start

Annual digitization

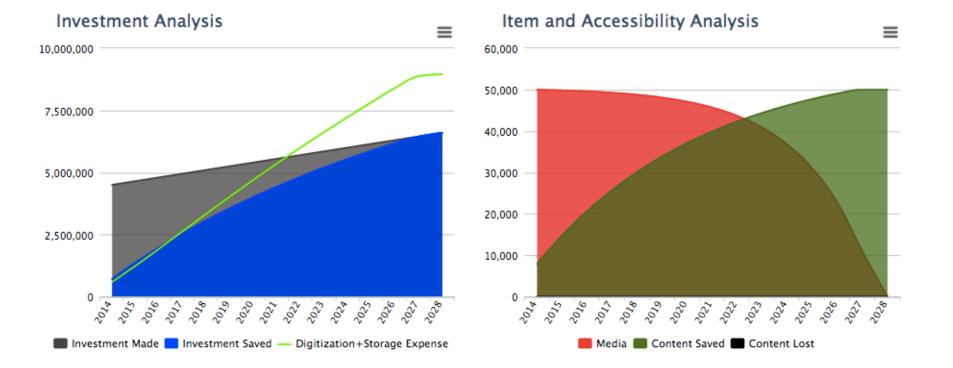
\$475,000

Storage service?

Amazon +

digitizing items?

2014



THANK YOU coi.avpreserve.com

Questions? — chris@avpreserve.com