PASIG 2019

February 12-14 2019 | El Colegio de México | Mexico City

COMMUNITY LIGHTNING TALKS

Oya Y. Rieger, Ithaka S+R and Cornell Computing and Information Science,
Bonnie Gordon, Rockefeller Archive Center
Lauren Goodley, Texas State University
Abby Adams, Harry Ransom Center
Gilberto Pedreira, Memoria de Madrid

#PASIG2019

The State of Digital Preservation: A Snapshot of Triumphs & Open Questions

Oya Y. Rieger
Senior Advisor
Ithaka S+R
oyarieger@gmail.org
February, 2019

https://sr.ithaka.org/publications/the-state-of-digital-preservation-in-2018/

ITHAKA S+R

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ISSUE BRIEF

October 29, 2018

The State of Digital Preservation in 2018

A Snapshot of Challenges and Gaps

Oya Y. Rieger

DOI: https://doi.org/10.18665/sr.310626

Topics: Collections and preservation, Digital scholarship and data management, Libraries
Tags: Digital preservation

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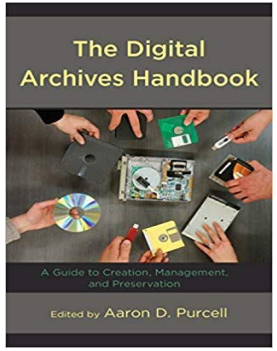
+ Table of Contents

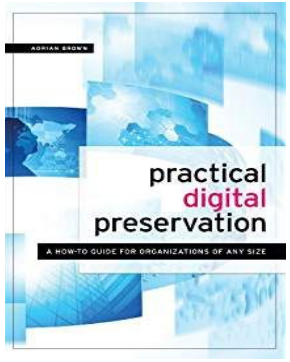
Our cultural, historic, and scientific heritage is increasingly being produced and shared in digital forms. The ubiquity, pervasiveness, variability, and fluidity of such content raise a range of questions about the role of research libraries and archives in digital preservation in the face of rapid organizational and technological changes and evolving organizational priorities. Ithaka S+R is interested in exploring the current landscape of digital preservation programs and services in

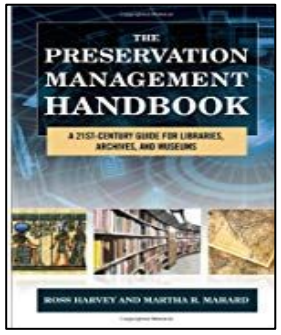
Oya Y. Rieger
Senior Advisor

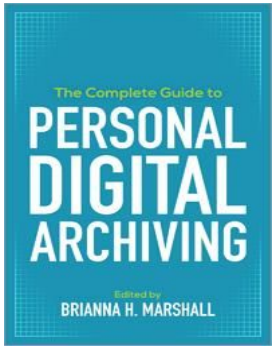
STRENGTHS

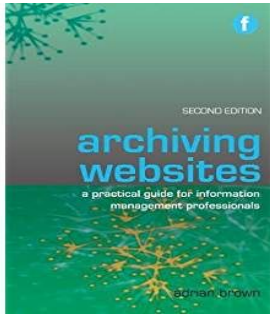
Best practices and standards
Preservation strategy experience
Repository architectures
Community & collaborations
Preservation services & tools
In-depth research on different digital genres
Specialized positions

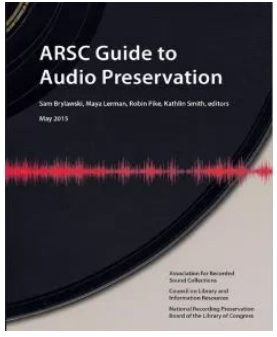

The Digital Archives Handbook
A Guide to Creation, Management, and Preservation
Edited by Aaron D. Purcell

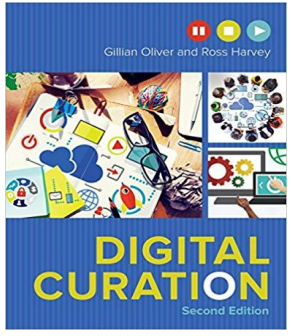

ADRIAN BROWN
practical digital preservation
A HOW-TO GUIDE FOR ORGANIZATIONS OF ANY SIZE

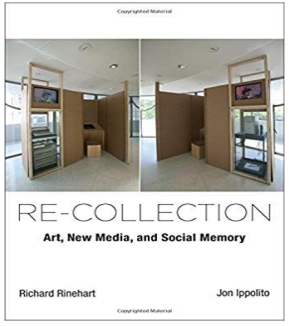

THE PRESERVATION MANAGEMENT HANDBOOK
A 21ST-CENTURY GUIDE FOR LIBRARIES, ARCHIVES, AND MUSEUMS
ROSS HARVEY AND MARTHA R. MAHARD

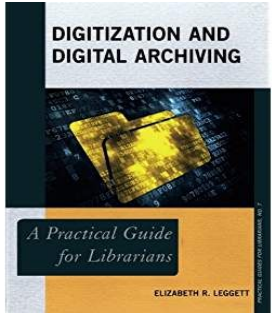

The Complete Guide to
PERSONAL DIGITAL ARCHIVING
Edited by
BRIANNA H. MARSHALL

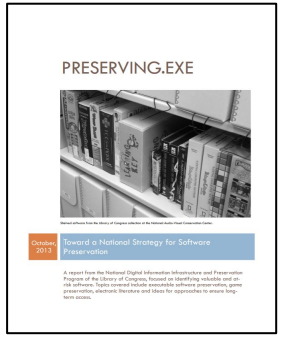

SECOND EDITION
archiving websites
a practical guide for information management professionals
adrian brown


ARSC Guide to Audio Preservation
Sam Brylawski, Maya Lerman, Robin Pike, Kathlin Smith, editors
May 2015
Association For Recorded Sound Collections
Council on Library and Information Resources
National Recording Preservation Board of the Library of Congress

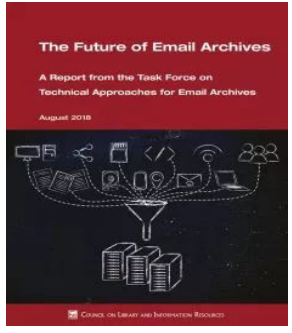

Gillian Oliver and Ross Harvey
DIGITAL CURATION
Second Edition

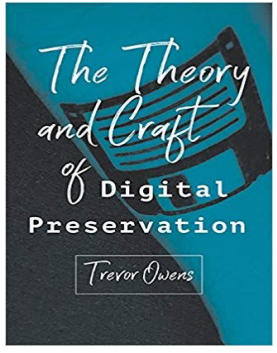

Copyrighted Material
RE-COLLECTION
Art, New Media, and Social Memory
Richard Rinehart
Jon Ippolito
Copyrighted Material

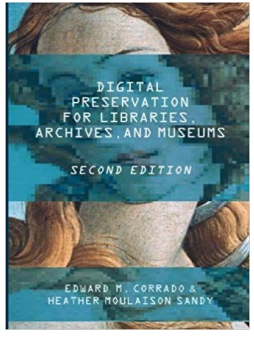

DIGITIZATION AND DIGITAL ARCHIVING
A Practical Guide for Librarians
ELIZABETH R. LEGGETT


PRESERVING.EXE
October, 2013
Toward a National Strategy for Software Preservation

TRENDS IN ARCHIVES PRACTICE
DIGITAL PRESERVATION ESSENTIALS
Edited by Christopher J. Prom


The Future of Email Archives
A Report from the Task Force on Technical Approaches for Email Archives
August 2018
Council on Library and Information Resources


The Theory and Craft of Digital Preservation
Trevor Owens


DIGITAL PRESERVATION FOR LIBRARIES, ARCHIVES, AND MUSEUMS
SECOND EDITION
EDWARD M. CORRADO & HEATHER MOULAISON SANDY

DIGITAL PRESERVATION IN LIBRARIES
PREPARING FOR A SUSTAINABLE FUTURE

Organizational Perspectives

- Evolving priorities due to changing roles and responsibilities of research libraries
- Continuing pressure to preserve legacy formats

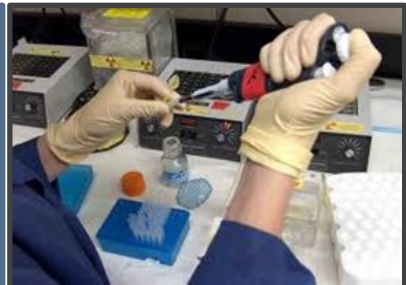
Preservation Tools and Services

- Functionality of various preservation services & questions about sustainability and succession planning
- Preservation in the age of TDM & AI

Illustration by Jørgen Stamp digitalbevaring.dk CC BY 2.5 Denmark

Enduring Access & Digital Scholarship

- Usability of web archives and research data
- Digital humanities tools and evolving nature of “evidence”



Value-Driven Preservation

- Environmental aspects of digital consumption
- Diversity, inclusivity, and social justice

Thank You

Building A Comprehensive Training Program for Digital Competencies

Bonnie Gordon, Rockefeller Archive Center

bgordon@rockarch.org | @sosinister

Project Electron

Infrastructure to acquire, manage, preserve, and facilitate access to digital records

Context

New systems, new processes

Some previous digital accessioning

What will our staff need?

Skills

Existing frameworks, like the DigCurV Curriculum Framework

What tools will be used?

What will processes look like?

Skills

1. Digital preservation principles & the role of digital preservation tools
2. Technical metadata & its role in managing digital objects in a repository
3. Archivematica's role in the digital preservation environment
4. Machine-actionable rights statements

Roles

What are the current roles in accessioning?

What will those roles look like?

Roles

1. Archivist or manager working with donors
2. Manager accountable for accessioning
3. Archivist overseeing accessioning
4. Archivist assisting accessioning

Resources

What external resources are available?

What internal resources are necessary?

	January - March	April - June	July - September	October - December
Archivist Assisting Accessioning	1.3.1: Strong understanding of data fixity and integrity, and associated standards and tools	1.1: Familiarity with the OAIS reference model. 1.2: Understanding of the role of SIPs in the OAIS reference model. 1.3: Strong theoretical and technical understanding of the BagIt specification and its role in digital preservation.	3.1.1: Ability to interface with Unix/Linux systems. 3.1.1.1: Familiarity with Unix/Linux command line.	3.1: Basic ability to troubleshoot Archivematica. 3.1.4: Familiarity with Archivematica automation tools. 5.3: Ability to plan application of appraisal criteria to collections.
Archivist Overseeing Accessioning	1.3.1: Strong understanding of data fixity and integrity, and associated standards and tools 1.5: Familiarity with digital preservation risks and strategies to mitigate risks, including but not limited to file format obsolescence, emulation technology and migration technology. 3.1.1.1: Strong command of the Unix/Linux command line.	1.3: Strong theoretical and technical understanding of the BagIt specification and its role in digital preservation. 1.1: Understanding of the OAIS reference model. 1.2: Strong understanding of the role of SIPs in the OAIS reference model. 2.1: Understanding of the role of machine-actionable metadata in managing digital objects in a repository. 2.2.1: Understanding of the difference between structured and unstructured data 2.2.2: Familiarity with data modeling, data structures, data types, controlled vocabularies, and metadata schemas	2.2: Familiarity with the PREMIS data dictionary. 2.3: Understanding of METS, with particular focus to its use in Archivematica. 4.1: Familiarity with the PREMIS rights entity. 4.2: Familiarity with controlled vocabularies associated with PREMIS rights entity. 4.3: Familiarity with how PREMIS rights entity interacts with other PREMIS entities, the repository, and the collections management system.	3.1.1.2: Familiarity with Unix/Linux system architecture. 3.1.2: Familiarity with Archivematica technical architecture. 3.1.3: Familiarity with Python programming language. 3.1.4: Understanding of Archivematica automation tools. 3.2: Understanding of standards associated with Archivematica. 5.3: Ability to plan application of appraisal criteria to collections.
Manager Accountable for Accessioning	1.3.1: Understanding of data fixity and integrity, and associated standards and tools	1.3: Theoretical and technical understanding of the BagIt specification and its role in digital preservation. 2.2.1: Understanding of the difference between structured and unstructured data 2.2.2: Familiarity with data modeling, data structures, data types, controlled vocabularies, and metadata schemas	1.1: Familiarity with the OAIS reference model. 1.2: Familiarity with the role of SIPs in the OAIS reference model. 2.1: Familiarity with the role of machine-actionable metadata in managing digital objects in a repository. 5.1: Ability to articulate the long-term value of collections.	4.1: Familiarity with the PREMIS rights entity. 4.2: Familiarity with controlled vocabularies associated with PREMIS rights entity. 4.3: Familiarity with how PREMIS rights entity interacts with other PREMIS entities, the repository, and the collections management system. 5.2: Understanding of and ability to contribute to institutional policies, including criteria for selection/appraisal.
Manager or Archivist Working with Donors	1.3.1: Strong understanding of data fixity and integrity, and associated standards and tools 1.5: Understanding of digital preservation risks and strategies to mitigate risks, including but not limited to file format obsolescence, emulation technology and migration technology.	1.1: Familiarity with the OAIS reference model. 1.2: Understanding of the role of SIPs in the OAIS reference model. 1.3: Strong theoretical and technical understanding of the BagIt specification and its role in digital preservation. 2.2.1: Understanding of the difference between structured and unstructured data 2.2.2: Familiarity with data modeling, data structures, data types, controlled vocabularies, and metadata schemas	2.1: Understanding of the role of machine-actionable metadata in managing digital objects in a repository. 2.2: Familiarity with the PREMIS data dictionary. 5.1: Ability to articulate the long-term value of collections. Skill 5.4: Ability to articulate information- and records-management principles.	4.1: Strong understanding of the PREMIS rights entity. 4.2: Strong understanding of controlled vocabularies associated with PREMIS rights entity. 4.3: Understanding of how PREMIS rights entity interacts with other PREMIS entities, the repository, and the collections management system. 5.2: Understanding of and ability to contribute to institutional policies, including criteria for selection/appraisal.

How it Went

Not entirely according to plan

Staff felt they had acquired listed competencies

Overall a success

TEXAS STATE UNIVERSITY

SAN MARCOS, TEXAS, USA

LAUREN GOODLEY

LGOODLEY@TXSTATE.EDU, (512) 245-3229

HTTPS://TWITTER.COM/LAURENBGOOD

Who we are

- Hispanic-serving institution (25% of student body identifies as Hispanic)
- Collecting manuscript repository – gifts and purchases
- Select materials:
  - Photography of US SW and Mexico
  - Writers of the US Southwest
  - Texas Music
- Very little born-digital
- Major backlog in audio-visual
  - Focus on preservation (migrate from fragile media)
  - Online access is a copyright issue, often

Where we've been

I was hired 7 years ago

20 % devoted to digital archives

- Created an inventory
- Curators prioritized materials
- Students digitize audiotapes
- Video to vendors

I needed help.

I suggested the Digital Preservation Working Group

- 3 departments: Wittliff, University Archives, and Digital & Web Services
- Created a Digital Preservation Policy
- Put materials on the server

Where we're going

- Create AIPs
- Secure storage for a second copy: off-site, different administration

What they want

- Purchase storage
- Cheapest option
- Understand these choices
- (administrative stakeholders)

Problems - Advocacy

Digital Preservation Program:

- Ground up
  - Not initiated by administrative stakeholders
- Education
  - Not understood by administrative stakeholders
- Communication
  - Limited access to administrative stakeholders

Digitization **plus** Storage = DP

- No. (??#$&^%)
- Communicate to stakeholders:
  - Colleagues-Digital Preservation Working Group (story about backup)
  - Library colleagues
  - Supervisor
  - Archives Director and Library Director ($)
- Documentation of time/labor (similar to processing?)
- **plus** : inventory (metadata), digitization (metadata), documentation (metadata), AIP creation via Archivematica
- **plus** : SPACE / SLACK , time to figure out workflows, time to fail, problem-solve

Solutions-Advocacy

- Many of the solutions, workflows, and tools we find are scaled for large institutions with more resources.
- Develop our own (or in the case of tools, don't)
- Help with the message
  - Blog post
  - Time
- Develop messages for various audiences in various types of institutions (administrative but also donor, digitization lab, etc)
- Advocacy for archivists (see Radical Empathy in the Archives Framework, article by Michelle Caswell and Marika Cifor, *Archivaria*, Spring 2016.)

Coping with Bits:

An Archivist's Perspective

Abby R. Adams
Harry Ransom Center
University of Texas at Austin
abby.adams@austin.utexas.eu
@digarchivist

Electronic Literature Organization Repository

Welcome to the Electronic Literature Organization Repository

In an effort to preserve works of electronic literature, ELO has developed the ELO Repository that collects and/or manages online journals, works of electronic literature, community archives, and other digital materials for other organizations and makes them available to the public. Partnering with us in this endeavor is the Electronic Textual Cultures Lab at the University of Victoria and Compute Canada as well as Washington State University Vancouver's Electronic Literature Lab and the university library.

https://elo-repository.org/ | https://copingwithbits.org/

Electronic Literature Organization Archives

The Electronic Literature Organization Archives is a collection of videos and audio tapes from performances/readings and conference presentations from the 1990s onward, recorded on VHS, cassettes, and mini-cassette by members of the Electronic Literature Organization. Also part of this collection are works of electronic literature produced on diskette and CD-ROM from two main sources: entries to the 2001 Electronic Literature Awards and works to show at the State of the Arts conference in 2002.

COPING WITH BITS

Building A Comprehensive Online Portal for Electronic Literature Works (COPE)

Metadata Hurdles

- Name authorities
- Roles
- CELL → MODS

Solutions

- Collaboration
- Wikidata
- Rhizome

abe linkoln
Adam Nash
Adam Trowbridge
ajaykumar
Ali Miharbi
Allison Parrish
Amit Pitaru
Andrew Lyman
Andy Deck
Angie Eng
Anna Pinkas
Annette Weintraub
Annie Abrahams

Ars Virtua
Beatriz da Costa
BFFA3AE
Brad Kilgerman
Brenda Nielson
Brooke A. Knight
Brooke Singer
Burak Arikan
Caryn Heilman
Cat Mazza
Chris Mann
Christian Croft
Claudia Bernett

Curt Cloniger
Dan Phiffer
Daniel C. Howe
David Crawford
Diane Bertolo
Diane Ludin
Doron Golan
Eli Keszler
Sadie Hatfield
Eric Riel
Eryk Salvaggio
Esmeralda Kosmatopoulos
Francis Hwang

Code List for Relators
LIBRARY OF CONGRESS, NETWORK DEVELOPMENT & MARC STANDARDS OFFICE

Home » Relator Codes » Term Sequence

MARC Code List for Relators

Term Sequence

List identifier: marcrelator

Arrangement of the List

In the Term Sequence, the relator terms are listed alphabetically. A listing by code is provided in a separate Code Sequence list. An entry for a term to which a code has been assi… relator term. Any variants of the term are also listed. The first type of variant term is preceded by the symbol UF ("used for"). For example:

Expert [exp]
Use for a person or organization in charge of the description and appraisal of the value of goods, particularly rare items, works of art, etc.
UF Appraiser

The UF terms are included in the list as references, but are not in boldface. The entry under the term referred to must be consulted to determine the code. For example:

Appraiser
USE Expert

Entries may also include a note in [brackets] explaining a change in the use of codes. For example:

Graphic technician
USE Artist
[Relator term "Graphic technician" (coded [grt]) used before March 1988 only.]

Abridger [abr]
A person, family, or organization contributing to a resource by shortening or condensing the original work but leaving the nature and content of the original work substantia…
Actor [act]
A performer contributing to an expression of a work by acting as a cast member or player in a musical or dramatic presentation, etc.
Adapter [adp]
A person or organization who 1) reworks a musical composition, usually for a different medium, or 2) rewrites novels or stories for motion pictures or other audiovisual med…
Addressee [rcp]
A person, family, or organization to whom the correspondence in a work is addressed
UF Recipient
Analyst [anl]
A person or organization that reviews, examines and interprets data or information in a specific area
Animator [anm]
A person contributing to a moving image work or computer program by giving apparent movement to inanimate objects or drawings. For the creator of the drawings that are animated, see artist
Annotator [ann]
A person who makes manuscript annotations on an item
Appellant [apl]
A person or organization who appeals a lower court's decision
Appellee [ape]
A person or organization against whom an appeal is taken
Applicant [app]
A person or organization responsible for the submission of an application or who is named as eligible for the results of the processing of the application (e.g., bestowing of rights, reward, title, position)
Appraiser
USE Expert
Architect [arc]

Key roles for born-digital works are missing, such as:

- 3D Modeler
- UX/UI Designer
- Programmer

Members Partners

CELL
CONSORTIUM ON ELECTRONIC LITERATURE

Home | About | Manifesto | Search Engine | Documentation | Taxonomies

Home

Taxonomies definition

The rapid growth of the field of electronic literature calls for definition, or for an orientation which will contril
The categorization that is generated by the elaboration of taxonomies for the CELL project contributes to tl
ongoing process that will grow over time by refining and multiplying categories.

In the most basic sense, taxonomies are a way of grouping things. Taxonomies are designed to be an onli
an underlayer of semantization meant to qualify data. They are complementary to the search engine and e
the search engine can then be filtered by the classification system conceived for the CELL.

As a result, the categories used in CELL emerged from the works of electronic literature themselves: since
project have tagged content using terms to describe an evolving object - the work of electronic literature. T
into more neutral and descriptive categories that could be used throughout the field.

All the projects regrouped under the CELL project address electronic literature works from distinctive point
for the works in their database through taxonomies that are specific to their research orientation. The objec
orientations to come up with a general and common classification that
elaborated from an inductive approach based on the previous categori

Publication Type(s)

The publication type is the means and channels by which a w

Terms of the vocabulary

Procedural Modality(ies)

Many elements in the 'procedural modalities' and 'mechanisms' CELL taxonomies do NOT translate over to standard metadata schemas like MODS.

The Library of Congress >> Standards >> MODS

MODS Pages | search

MODS Metadata Object Description Schema
Official Web Site

- MODS Schemas and Outline
- MODS Conversions
  mappings, stylesheets
- MODS Guidance
  guidelines, note types, examples, source lists
- MODS and MADS Design Principles
- MODS Uses and Features
- MODS Implementation Registry
- MODS Tools
- MODS Editorial Committee
- MODS Resources
  rticles

formats

ta Authority Description Standard)

scription Schema (MODS) is a schema for a bibliographic
y be used for a variety of purposes, and particularly for
The standard is maintained by the Network
ARC Standards Office of the Library of Congress with
More about MODS

rent version of the schema.
from version 3.6 is available.

MODS News & Announcements

- MODS 3.7 Schema NEW!
- MODS 3.7 Changes NEW!
- MODS 3.6 to BIBFRAME 2.0 Draft Mapping NEW!
- MODS 3.6 Schema
- MODS 3.6 Changes

The MODS Forum (MODS@LISTERV.LOC.GOV) is an unmoderated computer forum open to members of the MODS development community. The MODS list is operated by the Library of Congress Network Development and MARC Standards Office. Users may subscribe to this list by filling out the subscription form at the MODS Listserv site.

RHIZOME

Item | Discussion

Kate Armstrong (Q412)

No description defined

▾ In more languages Configure

Language	Label	Description
English	Kate Armstrong	No descriptio

Statements

instance of	person 0 references
ca id	463 0 references
creator of	Catalogue:Nothingness 0 references

Main page
Recent changes
Random page
Help

Tools
What links here
Related changes
Special pages
Printable version
Permanent link
Page information
Concept URI

In other languages
Add links

This page was last modified on 16 March 2015, at 18:41.

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WIKIDATA

Main page
Community portal
Project chat
Create a new item
Recent changes
Random item
Query Service
Nearby
Help
Donate

Tools
What links here
Related changes
Special pages
Permanent link
Page information
Concept URI
Cite this page

Item | Discussion

Cory Arcangel (Q1135754)

Brooklyn/New York post-conceptual artist/working in many different media:drawing/music/video/performance art/video game modifications edit

▾ In more languages Configure

Language	Label	Description	Also known as
English	Cory Arcangel	Brooklyn/New York post-conceptual artist/working in many different media:drawing/music/video/performance art/video game modifications	
Spanish	Cory Arcangel	No description defined	
Traditional Chinese	No label defined	No description defined	
Chinese	No label defined	No description defined	

All entered languages

Statements

instance of	human ▸ 1 reference	edit + add value
image	 CoryArcangel.jpg 1,280 × 960; 271 KB ▾ 0 references	edit + add reference + add value
sex or gender	male ▸ 3 references	edit + add value

Wikipedia (4 entries) edit
de Cory Arcangel
en Cory Arcangel
it Cory Arcangel
nl Cory Arcangel

Wikibooks (0 entries) edit

Wikinews (0 entries) edit

Wikiquote (0 entries) edit

Wikisource (0 entries) edit

Wikiversity (0 entries) edit

Wikivoyage (0 entries) edit

Wiktionary (0 entries) edit

Other sites (0 entries) edit

Indexes/Properties

< Indexes

Main page
Recent changes
Random page
Help

Tools
What links here
Related changes
Special pages
Printable version
Permanent link
Page information

In other languages
Add links

id	label	aliases	description
P2	equivalent property	owl:equivalentProperty	equivalent property in other ontologies (use in statements on properties, use property URI)
P3	instance of	is a, is an, rdf:type	this item is a specific example and a member of that class
P4	equivalent item		the same item in other ontologies (use item URI)
P5	inverse of		links a property to its inverse property
P6	reference URL	website, url, Uniform Resource Locator, webref, URL	should be used for internet URLs as references
P7	has part	have part, composed of, contains, formed from, formed out of, assembled from, assembled out of, created from, created out of, amalgamation of, set of, consists of, has part, members, holonym of, includes, ingredient	object is a part of this subject
P8	part of	meronym of, section of, system of, subassembly of, sub-assembly of, contained within, assembly of, within a set	subject is a part of that object
P9	imported from		source of this claim's value (use only in References section)
P10	point in time	date, as of, time of event, at time, when, year, time	time and date something took place, existed or a statement was true
P11	start time	from, starting, beginning, began, from time, since, from date, start date, building date, starttime	indicates the time an item begins to exist or a statement starts being valid, usually used as a qualifier
P12	subproperty of	rdfs:subPropertyOf	all resources related by this property are also related that property.
P13	end time	to, to time, until, ending, enddate, end date, closed, fall date	indicates the time an item ceases to exist or a statement stops being valid
P14	last modified		last known date of modification of the subject
P15	subclass of	rdfs:subClassOf, hyponym of, is a, type of, is a type of, generalized by, generalization, superclass	this item is a class of that item
P16	depends on	dependency, technical requirement, software dependency	the subject depends on this software
P17	official website	website, official site, homepage, home page, official page, official web site, official url, official homepage, web address, url, blog	URL to the website of this item
P18	residence	lived in	the place where the person is, or has been, resident
P19	country of citizenship	citizenship, nationality, citizen of	the object is a country that recognizes the subject as its citizen
P20	member of	membership	part of a specific organization
P21	date of birth	born on, birth date, birthday, birthdate, birth year, year of birth, birthyear, DOB	date on which the subject was born
P22	website account on	social media account on, social media	A website that the person or organization has an account on. Use 'website user name' as qualifier
P24	website username	username, handle, social media address, account name, screen name	username on a website that the person or organization has an account on. only use as qualifier for 'website account on'
P25	mandatory qualifier		qualifier(s) that must be associated to statements using this property

We as a community of archivists must work together with writers, artists, and publics to create change in archival practices.

Existing Archival Practices MUST Evolve to Meet the Needs of Complex Digital Objects

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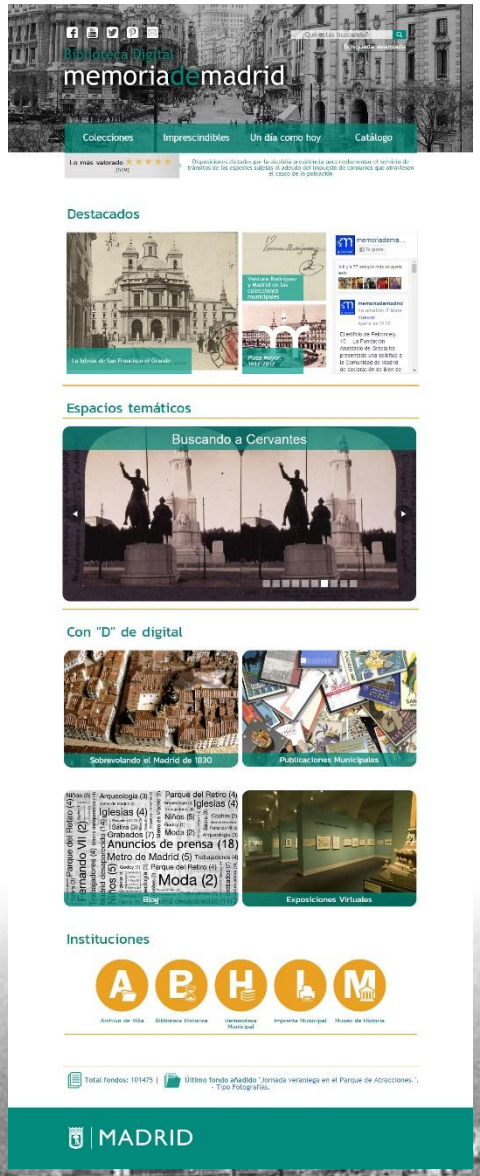
PASIG 2019

"La Preservación en la Biblioteca Digital memoriademadrid"

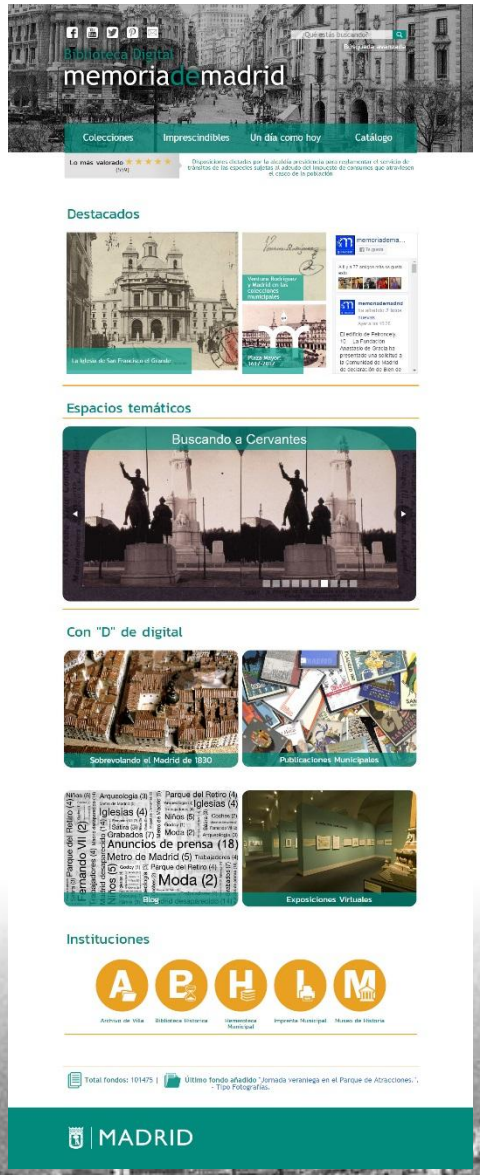
Por Gilberto Pedreira Campillo
Director de la Biblioteca Digital memoriademadrid

http://www.memoriademadrid.es



Creada en **2008** para ***difundir a través de Internet patrimonio histórico y cultural*** que el Ayuntamiento de Madrid conserva en sus Archivos, Bibliotecas y Museos.

Created in **2008** to ***disseminate through the Internet the historical and cultural heritage*** treasured in the Archives, Libraries and Museums of the city of Madrid.

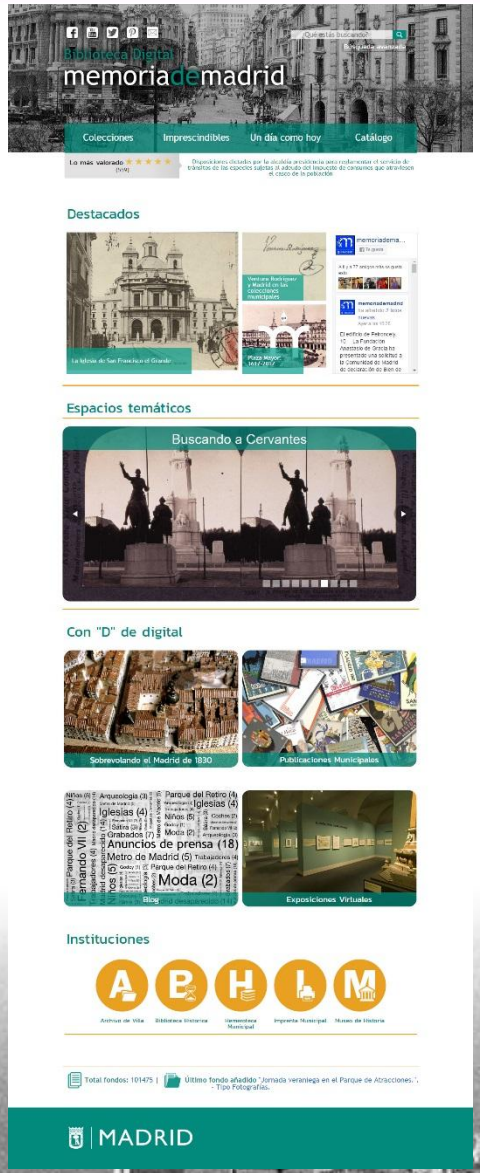


OBJETIVOS

- **Digitalizar** colecciones de las GLAM
- **Difundir** a su colección a través de www.memoriademadrid.es
- **Preservar** la colección digital

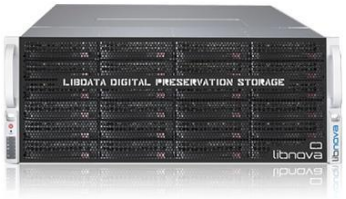
OBJETIVES

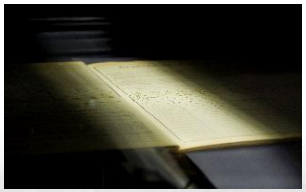
- **Digitalize** the collections preserved in the GLAM
- **Disseminate** the collection through www.memoriademadrid.es
- **Preserve** the Digital Collection

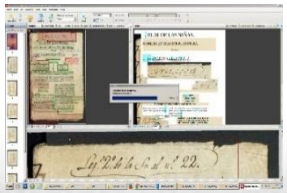


Mas de **6 millones** de imágenes y **160.000** documentos

Over **6 million** images and **160,000** documents





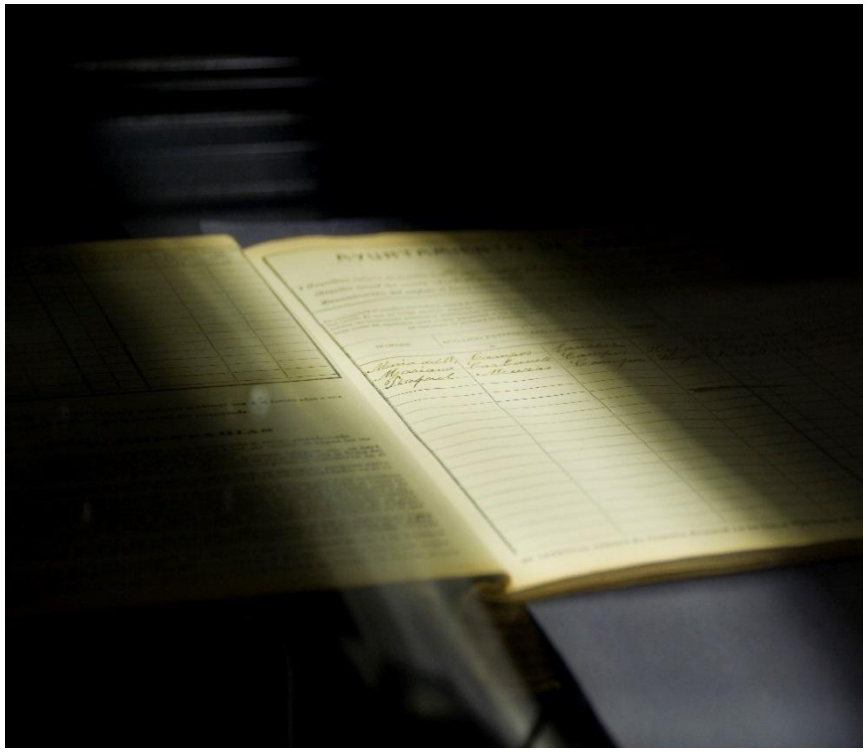


La unidad de Digitalización (I)

- Tres escáneres cenitales
- Dos escáneres de sobremesa para diapositivas, negativos y placas de vidrio
- Un escáner de microfilm
- Capacidad para digitalizar audio (discos de pizarra)

Digitizacion center (I)

- Three planetary scanners
- Two semiprofessional flatbed scanners for slides, negatives and glass plate photographs
- One microfilm scanner
- Audio-capture equipment (for shellac discs)



Unidad de Digitalización

Equipo de Digitalización:

- Personal especializado en imagen digital
- Equipo informático
- Bibliotecario responsable

Digitization Unit

Includes:

- Digital image specialists
- Computer technicians
- Librarian in charge

Todo ello nos permite mantener con medios propios un crecimiento entorno a las 25.000/30.000 imágenes al mes que necesitan ser preservadas.

This allows us to increase our collection in 25,000/30,000 images monthly, which then need to be preserved.

Preservación

Implica a los siguientes agentes:

- Dirección de la Biblioteca
- Bibliotecario responsable de digitalización
- Equipo informático

el software de preservación **LIBSAFE**, dos cabinas **LIBDATA** , el apoyo técnico de **LIBNOVA**.

Preservation

Involves the following departments:

- The Library management
- The librarian in charge of digitization
- The computer department

LIBSAFE preservation software, two LIBDATA storage arrays, LIBNOVA's technical support.

Una novela en cuatro capítulos

Por la “Biblioteca Digital memoriademadrid”

A novel in four chapters

by “Biblioteca Digital memoriademadrid”

Capítulo I. "La inconsciencia" / Chapter I. "Thoughtlessness" 2009-2011

"750.000 imágenes, 25.000 documentos y …. Una interminable colección de discos duros …."

- Ausencia de una estructura "clara" en el almacenaje.
- Disparidad de criterios en el renombrado de ficheros y carpetas.
- Convivencia de distintos formatos organizados de manera arbitraria.
- Ausencia total de criterios de caracterización y validación de formatos almacenados

"750,000 images, 25,000 documents and… a rather chaotic heap of hard disks …."

- Lack of a clear storage structure.
- File and folder names didn't follow any guidelines.
- Arbitrarily organized coexistence of different formats.
- Absolute lack of characterization and validation guidelines.

Capítulo II. “En busca de soluciones” / Chapter II. “Looking for solutions” 2012-2014

- Estandarización el sistema de nombrado de ficheros
- Definición de una estructura de almacenaje común a toda la colección
- Validación de formatos (DROID)
- Protocolos para la manipulación y uso de los Discos externos
- Refreshing o cambio de soporte

- Standard filenaming pattern
- Common storing structure for the whole collection
- File format validation (DROID)
- Procedures for hard disk handling
- Hard disk refreshing

Capítulo III. “La espera” / Chapter III. “The waiting” 2015-2016

- Aplicación de sencillas técnicas de preservación, iniciadas durante el periodo anterior.
- Necesidad de adquisición de un sistemas de preservación (UNE-ISO 14721)

- Implementation of some basic preservation measures outlined in the previous stage.
- Need of acquiring a preservation system (UNE-ISO 14721).

Capítulo IV. “A toda vela” / Chapter IV. “Full Throttle” 2017-2019

- Adquisición del sistema de preservación **LIBSAFE**.
- Dos cabinas **LIBDATA** con una capacidad inicial de 100 tb
- Desarrollo de una herramienta para la generación de los SIP
- Integración de la **PRESERVACIÓN** a todos los procesos de **DIGITALIZACIÓN**

- Purchase of LIBSAFE preservation system.
- Two LIBDATA Storage arrays with initial capacity of 100 TB.
- Developement of a SIP-generating tool.
- Integration of PRESERVATION with all the DIGITIZATION processes.

Algunos DATOS …. Some DETAILS…

- 37% de la Colección preservada.
- Doble línea de trabajo:
  - Preservación retrospéctiva
  - Preservación integrada
- Mayoritariamente ficheros de imagen: TIF, JPG y PDF
- Integración en el Sistema de Preservación nuevos formatos: Audio, Video y objetos más complejos
- Mejorar en NDSA levels

- 37% of the collection preserved.
- Double-sided work:
  - Preservation of previous documents
  - Integrated preservation
- Mostly image files: TIF, JPG and PDF
- Integration of more complex objects, such as audio and video
- Reaching a higher NDSA level