WORKING WITH WHAT WE HAVE

Building a Digital Preservation Program without a Digital Archivist

Montana State University Digital Preservation Group

Sara Mannheimer, Brandon Watson, Heather Hultman, Ben Hager, Jakob Schultz, Sophia Phillips, Jason A. Clark, and Doralyn Rossmann
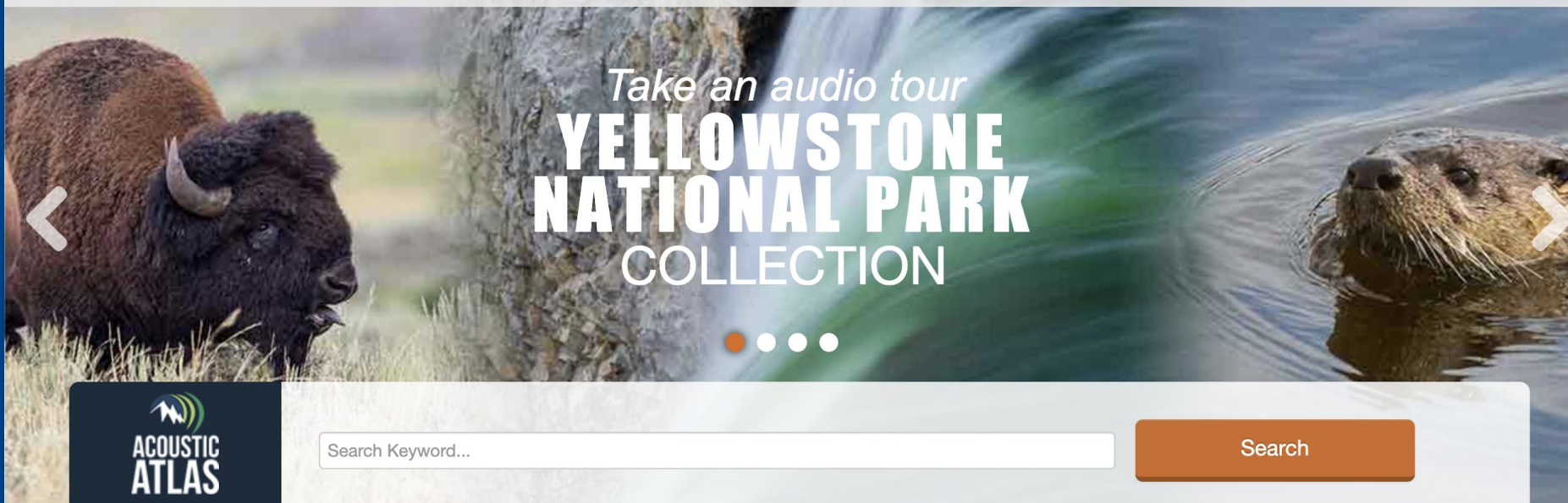
1.

MSU DIGITAL COLLECTIONS

Glacier National Park, ca. 1920

Montana STATE UNIVERSITY | 125 YEARS

Search pages & people

Trout & Salmonid Collection

The Collection

Lecture Series

Oral Histories

Press and Awards

Special Collections and Archives
Montana State University
P.O. Box 173320
Bozeman, MT 59717

Special Collections Librarian
James Thull
jjthull@montana.edu

Make a Gift

Angling Oral History Project

Our Angling Oral History Project collects, preserves, and disseminates the histories, opinions, and stories of politicians, artists, guides, authors, and anglers from all walks of life. Interviews are freely available and searchable to anyone online through our MSU created database.

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | XYZ

A ^

Lourens Ackermann

Lourens is an

Jim Adams

I met Jim in Berkely,

Grant Adkins

Grant is a longtime

Pierre Affre

Pierre is one of the

http://www.lib.montana.edu/trout/oral-histories/index.html

2.

FROM ACCESS TO PRESERVATION

From Theory to Action:
"Good Enough" Digital Preservation Solutions for Under-Resourced Cultural Heritage Institutions

A Digital POWRR White Paper for the Institute of Museum and Library Services

August 2014

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INSTITUTE *of* **Museum** and **Library** SERVICES

POWRR

Preserving (Digital) **O**bjects **W**ith **R**estricted **R**esources

http://hdl.handle.net/10843/13610

Montana State University
Digital Preservation Group

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3.

SETTING THE
FOUNDATION

LITERATURE REVIEW

Digital POWRR publications
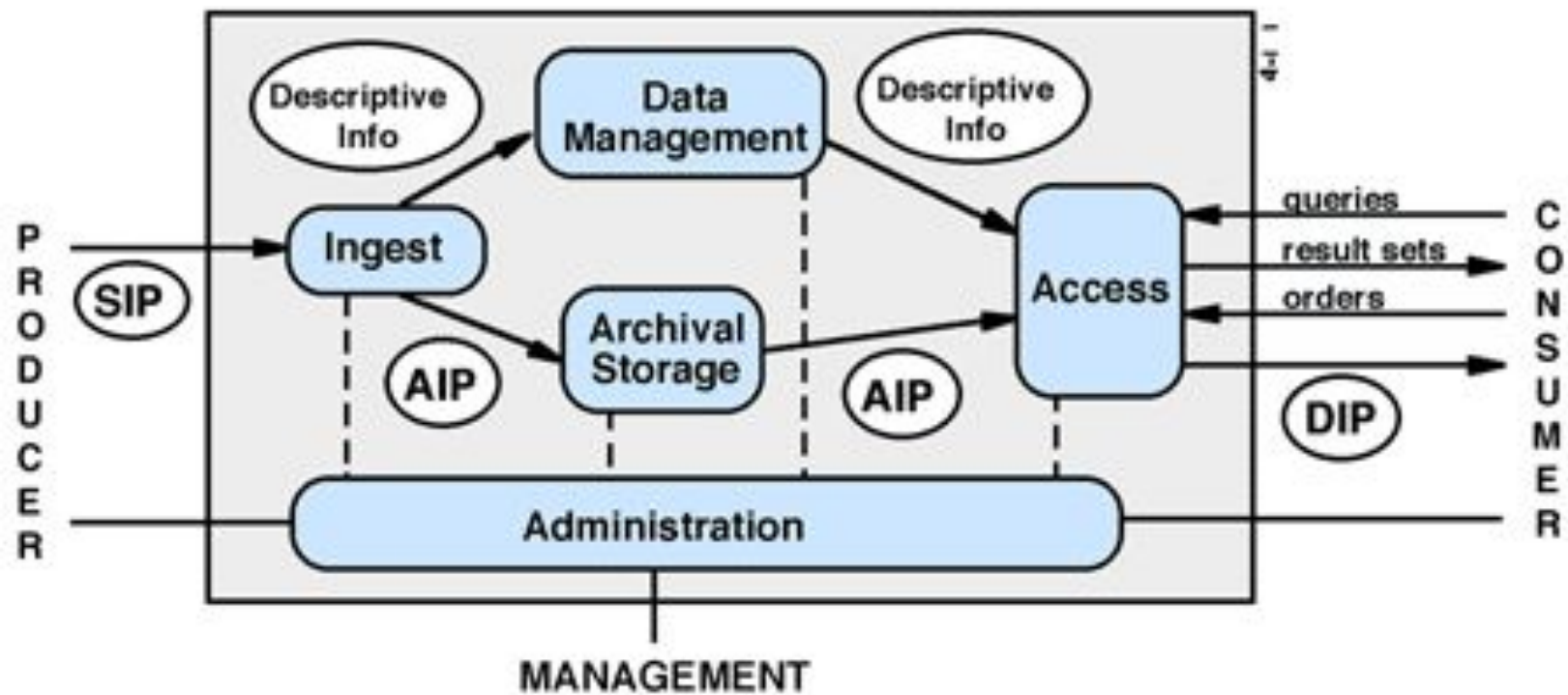
LITERATURE **REVIEW**

Digital POWRR publications
Digital preservation case studies

LITERATURE REVIEW

Digital POWRR publications
Digital preservation case studies

Digital Preservation Essentials
by Erin O'Meara and Kate Stratton

Q & A WITH PEER INSTITUTIONS

Tawnya Keller, U of Utah

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Tawnya Keller, U of Utah

Erin Baucom & John Greer, U of Montana

Q & A WITH PEER INSTITUTIONS

Tawnya Keller, U of Utah

Erin Baucom & John Greer, U of Montana

Michael Boock & Brian Davis, Oregon State U[1]

[1] See their helpful report: Boock, M. & Davis, B.E. (2017). Next Steps for Building a Flexible and Robust Digital Preservation Infrastructure at Oregon State University Libraries & Press. https://ir.library.oregonstate.edu/concern/technical_reports/73666904w

Q & A WITH PEER INSTITUTIONS

What tools and systems do you use for digital preservation?

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Have you documented your digitization workflows? If not, can you walk us through your workflow?

What is your process for doing backups?

What preservation metadata do you create and/or maintain for your digital objects?

DIGITAL POWRR INSTITUTE

https://digitalpowrr.niu.edu/

4.
"FROM THEORY TO ACTION"

INITIAL CHALLENGES

Adding work to already-full workloads

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Adding work to already-full workloads

Learning curve for digital preservation concepts

NDSA LEVEL 1

Storage and Geographic Location	File Fixity and Data Integrity	Information Security	Metadata	File Formats
- Two complete copies that are not collocated - For data on heterogeneous media (optical discs, hard drives. etc.) get the content off the medium and into your storage system	- Check file fixity on ingest if it has been provided with the content - Create fixity info if it wasn't provided with the content	- Identify who has read, write, move and delete authorization to individual files - Restrict who has those authorizations to individual files	- Inventory of content and its storage location - Ensure backup and non-collocation of inventory	- When you can give input into the creation of digital files, encourage use of a limited set of known open formats and codecs

ACTIONS

Draft a high-level Digital Preservation Policy

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Conduct fixity checks of our digitized content

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Create collection-level machine-readable (JSON) readme files

ACTIONS (cont.)

Mint ARK permanent identifiers for all digital objects in our collections

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Encourage preservation-friendly formats

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Improve geographic distribution of backups

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Encourage preservation-friendly formats

Improve geographic distribution of backups

Document our practices in a Digital Preservation Procedures document, to be updated regularly to reflect continuing changes

5.

RECOMMENDATIONS FOR PRACTICE

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☺ Ask peers for help

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Take small actions to be "good enough"

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🏆   Bring together existing expertise in the library

☺   Ask peers for help

🌱   Take small actions to be "good enough"

🚀   Continually learn and improve

THANKS!

+ questions

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