*The* LIBRARY *of* CONGRESS

# Digital Preservation 2014
## The National Digital Stewardship Residency Program
## in DC, NYC and Boston

July 23, 2014

George Coulbourne & Kristopher Nelson

NDSR – Washington, D.C.

HTTP://DIGITALPRESERVATION.GOV/NDSR |
NDSR@LOC.GOV | #NDSR

Library of Congress
Office of Strategic Initiatives
Washington, D.C.

# THE INSTITUTE OF MUSEUM AND LIBRARY SERVICES



INSTITUTE *of* Museum and Library SERVICES



NATIONAL MEDAL for Museum and Library Service

# PROGRAM BACKGROUND

- 10 RESIDENTS
- 10 ORGANIZATIONS
- 2 WEEKS OF WORKSHOP
- 9 MONTHS OF HANDS-ON TRAINING
- 2 PROFESSIONAL CONFERENCES

# NDSR Mission

…TO BUILD A DEDICATED COMMUNITY OF PROFESSIONALS WHO WILL ADVANCE OUR NATION'S CAPABILITIES IN MANAGING, PRESERVING AND MAKING ACCESSIBLE THE RECORD OF HUMAN ACHIEVEMENT HELD IN DIGITAL FORM.

# THE IMPORTANCE OF NDSR

NDSR will serve the American people by developing the next generation of stewards to collect, manage, preserve, and make accessible our nation's digital assets.

- NDSR will help define clear educational standards for digital stewardship education and training

- NDSR has joined forces with prominent American institutions to provide residents with a combination of hands-on learning and expert guidance

- NDSR will create experts in the emerging field of digital stewardship who will be able to return to their communities nationwide and assist the Library of Congress in its goal to keep record of America's creativity as expressed in digital form
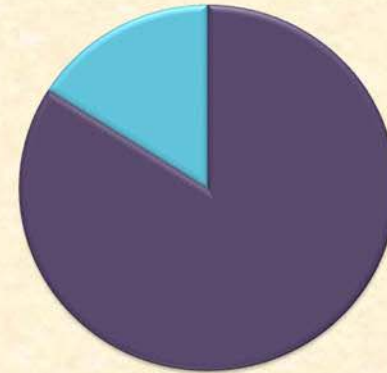
A Library of Congress survey found that **84% of institutions** have digital content that must remain accessible for **10 years or more**. NDSR will create the experts who will be responsible for this preservation

e same survey found that only **33% of organizations** have staff dedicated to digital preservation. **This exemplifies the need for NDSR.**

# FINDING THE NDSR HOSTS



- Association of Research Libraries
- Dumbarton Oaks
- Folger Shakespeare Library
- Library of Congress
- National Library of Medicine
- National Security Archive
- Public Broadcasting Service
- Smithsonian Institution Archives
- Maryland Institute for Technology in the Humanities
- World Bank Group

# Selecting the Residents

- Julia Blase, U. Denver – NSA
- Heidi Dowding, Wayne State U. – Dumbarton Oaks
- Maureen Harlow, UNC – NLM
- Jaime McCurry, Long Island U. – Folger Shakespeare
- Lee Nilsson, Eastern Washington U. – LOC
- Margo Padilla, San Jose State U. – MITH
- Emily Reynolds, U. Michigan – World Bank
- Molly Schwartz, U. Maryland – ARL
- Erica Titkemeyer, NYU – Smithsonian Archives
- Lauren Work, U. Washington - PBS

# 2013-2014 NDSR Projects

- *Developing Policies and Services to Make Digital Assets of Research Libraries Accessible.* (Association of Research Libraries)
- *Management and preservation of digital assets at Dumbarton Oaks*
- *Born-Digital Preservation at the Folger Shakespeare Library*
- *Taking Action to Mitigate Format Obsolescence* (Library of Congress)
- *Developing a Thematic Web Archive Collection* (National Library of Medicine)
- *The Digital Dissemination Challenge* (National Security Archive)
- *Broadcast Media Archive: Appraisal and Evaluation of At-Risk Media to Support Digitization Initiative* (Public Broadcasting Service)

# ANALYSIS OF THE INITIAL PROGRAM

- › POSITIVE IMPACT OF THE PROGRAM

- › CHALLENGES DURING THE PROGRAM

- › IMPACT / LESSONS LEARNED

- › NEXT STEPS

- › TAKEAWAYS

# POSITIVE IMPACT OF THE PROGRAM

## ACCORDING TO RESIDENTS SURVEYED

- **100%** REPORTED THAT THE PROGRAM INCREASED KNOWLEDGE AND SKILLS IN DIGITAL STEWARDSHIP

- **100%** STATED THAT THE PROGRAM STRENGTHENED THEIR PROFESSIONAL NETWORKS

- **100%** OF RESIDENT RESPONDENTS STATED THAT THEY FEEL THE PROGRAM MADE THEM MORE COMPETITIVE IN THE JOB MARKET

- **100%** OF RESIDENTS STATE THEY WOULD RECOMMEND THE PROGRAM TO A FRIEND

- **90%** OF RESIDENTS ARE EITHER EMPLOYED OR IN OTHER FELLOWSHIP/GRADUATE PROGRAMS.

# POSITIVE IMPACT OF THE PROGRAM

## *According to Hosts Surveyed*

‣ **100%** OF HOST RESPONDENTS SAID THEIR RESIDENT WAS VERY TO EXTREMELY WELL-INFORMED ABOUT THE ORGANIZATION AND READY TO WORK.

‣ **73%** OF HOSTS SAID THE RESIDENTS' PROJECT RESULTS WILL DEFINITELY BE USED TO IMPROVE THE WAY THEIR ORGANIZATION CONDUCTS

Smithsonian

ARL
ASSOCIATION OF RESEARCH LIBRARIES

NATIONAL LIBRARY OF MEDICINE

MITH

# POSITIVE IMPACT OF THE PROGRAM

## *According to Hosts Surveyed*

› **100%** OF HOSTS STATED THAT THE RESIDENT'S PROJECT AT LEAST MODERATELY INCREASED THEIR ORGANIZATION'S CAPACITY FOR DIGITAL STEWARDSHIP

› **90%** OF HOSTS SAY THEY WOULD RECOMMEND THEIR ORGANIZATION PARTICIPATE IN THE PROGRAM AGAIN

Dumbarton Oaks
RESEARCH LIBRARY AND COLLECTION

PBS

FolgerSHAKESPEARE LIBRARY
Advancing knowledge & the arts

THE WORLD BANK

# CHALLENGES DURING THE PROGRAM

## FUNDING MODEL CHALLENGES

- PAYING RESIDENTS

- CREATING THE RESIDENT CONTRACT

- UNDERSTANDING FEDERALLY APPROPRIATED FUNDING

# CHALLENGES DURING THE PROGRAM

## PROGRAM MANAGEMENT CHALLENGES

- LACK OF PROGRAM STAFF

- IMPROVE LOGISTICAL AND PLANNING EFFORTS

- IMPROVE REGULAR AND CLEAR COMMUNICATION

- COMMUNICATION CHANNEL ISSUES

- HOST ENGAGEMENT

# Challenges During the Program

## Host / Mentor Challenges

- Mentor Skills and Abilities

- Organizational Buy-In

- Programmatic Challenges for Bringing on a Resident

# CHALLENGES DURING THE PROGRAM

## RESIDENT CHALLENGES

- BEING TREATED LIKE INTERNS

- LOGISTICAL PROGRAM MATTERS

- COMPENSATION

- FRUSTRATION WITH BUREAUCRACY

- COMMUNICATION

# CHALLENGES DURING THE PROGRAM

## OTHER CHALLENGES

- ENRICHMENT SESSIONS, OTHER REQUIRED MEETINGS

- GOVERNMENT SHUTDOWN

- CREATING CONSISTENCY AMONG NDSR PROGRAMS

National Digital Stewardship Residency

# Lessons Learned

- Be more prepared

- Be consistent with NDSR programs

- Foster growth through collaboration

# NDSR NEXT STEPS

- COMPLETE THE FORMAL PROGRAM ASSESSMENT

- DESIGN AND IMPLEMENT A PROJECT PLAN FOR THE NEXT RESIDENCY

- EXTENSIVE COLLABORATION WITH NEW YORK AND BOSTON

- CURRICULUM UPDATE

- NDSR WASHINGTON, D.C. IN 2015

# NDSR Takeaways

"*I am quite confident that the progress achieved over the past 9 months could not have been matched had our resident not joined our team.*"

"*The Resident's work has improved the way the agency preserves one of-a-kind born digital cultural objects and records.*"

"*The National Digital Stewardship Residency afforded the opportunity to address this leading edge of digital stewardship in a manner that would simultaneously contribute to the overall advancement of the profession.*"
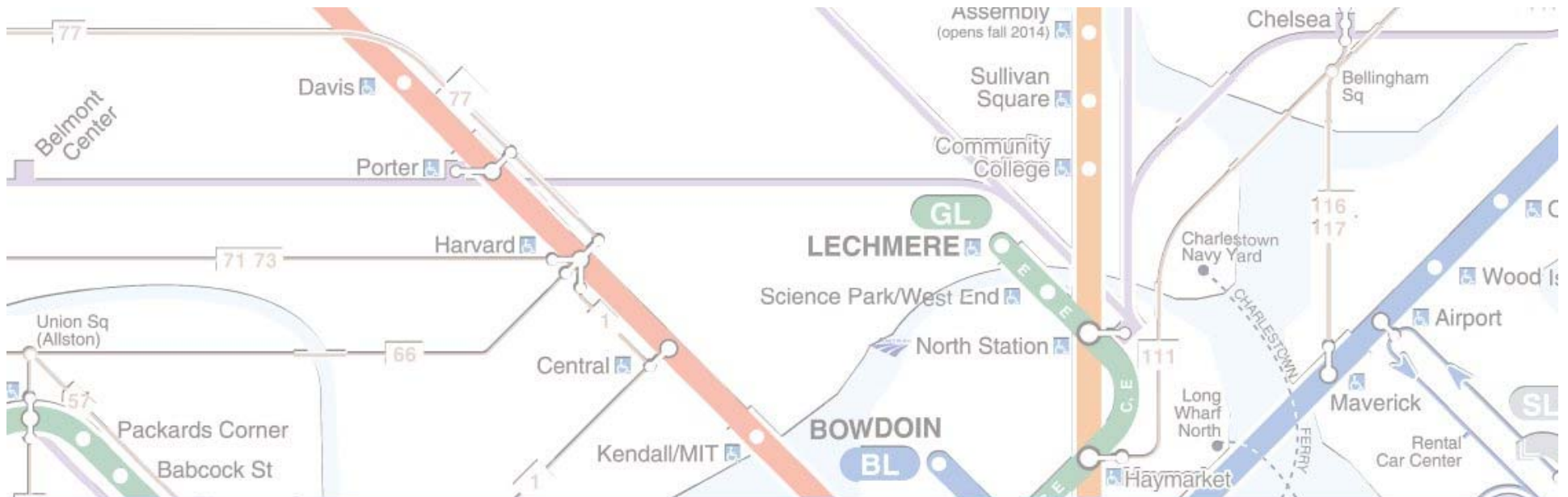
# NDSR
# BOSTON

## Digital Presentation 2014

Nancy McGovern, MIT Libraries
Andrea Goethals, Harvard Library

# Replicating & Testing the Model



IMLS-funded grants to test model in New York (METRO) and Boston areas (Harvard / MIT)

# Replicating What Exactly?

- Resident cohort model
- Resident eligibility and application requirements
- Single institution administrating residency
- Distributed hosts within the same metropolitan area
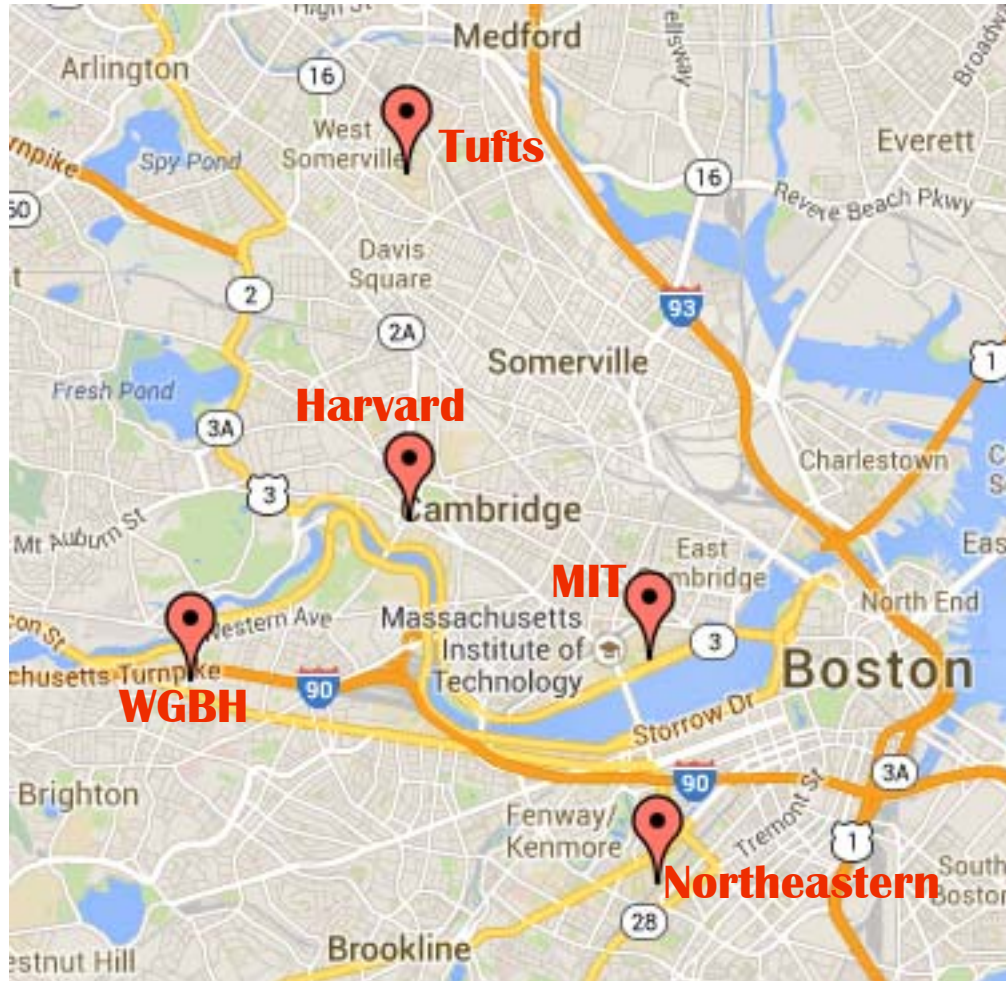- Residency structure
- Core curriculum

# Boston Model Expansions

- Extended curriculum
- More host involvement
- Preservation-specific focus for resident video & host projects
- Additional roles for instructors and community

# Timeline

5 residents in NY
5 residents in Boston

5 residents in NY
5 residents in Boston

Sept. 2014

June 2015

Sept. 2015

June 2016

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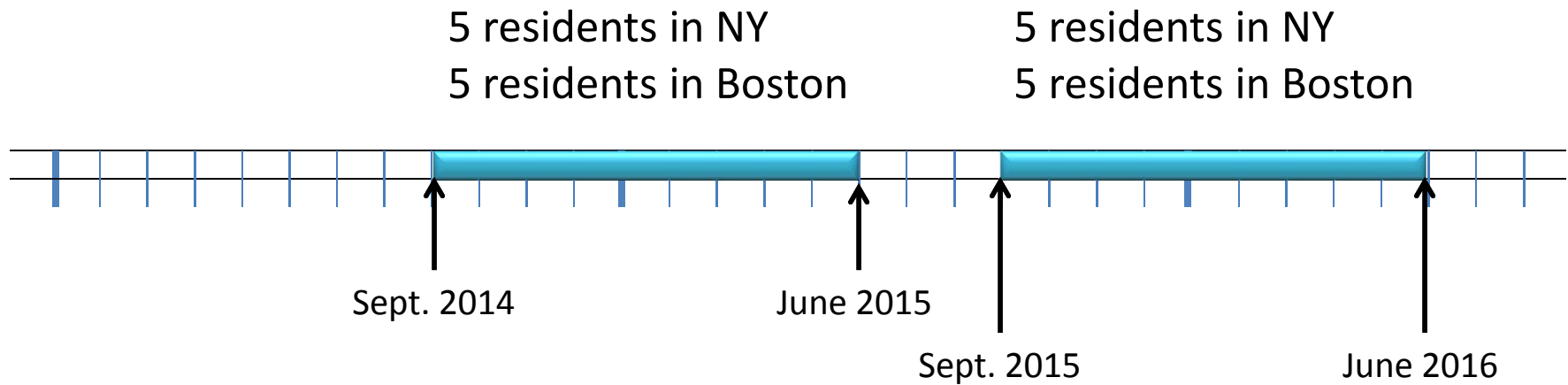
# Boston Hosts 2014-15

# Boston Residents

| # of Residents | State | School | Degree |
| --- | --- | --- | --- |
| 2 | MA | Simmons | MS LIS |
| 2 | NY | NYU | MA MIAP |
| 1 | CO | DU | MLIS |

Jen LaBarbera
Northeastern

Joey Heinen
Harvard

Tricia Patterson
MIT

Rebecca Fraimow
WGBH
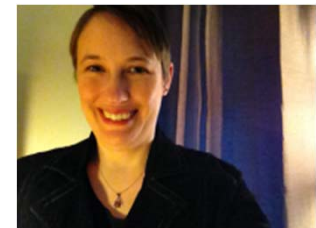
Samantha DeWitt
Tufts

# Boston Host Projects 2014-15

- Format Migration Plans & Framework (Harvard Library)

- Making Music Last (MIT Libraries)

- Channeling Streams of Archival Records (Northeastern University Archives and Special Collections)

- Institutional Knowledge of Research Data (Tufts University)

- Digital Media Preservation (WGBH)

# Resident Applicants - State
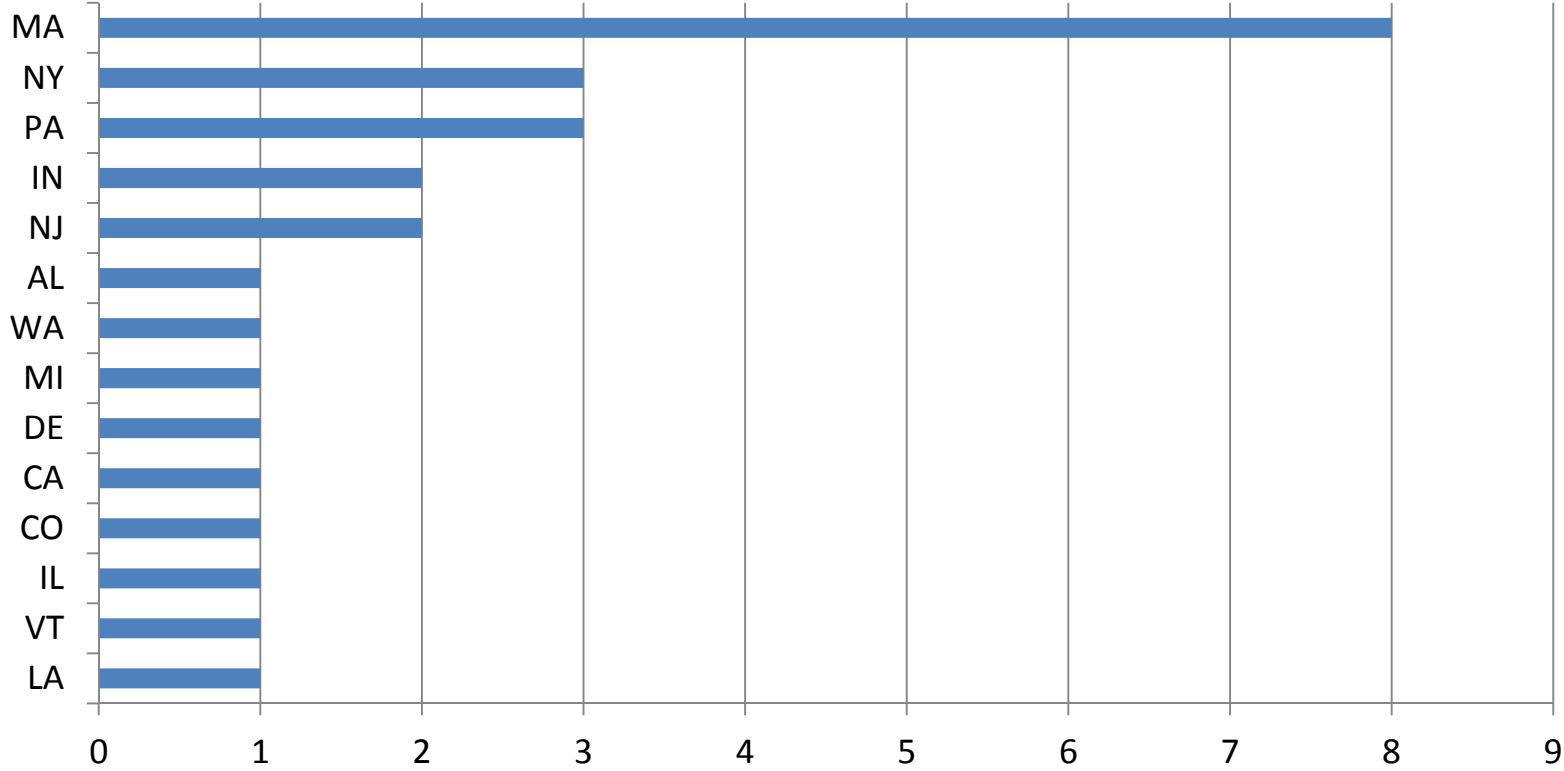
# Boston Applicants - School
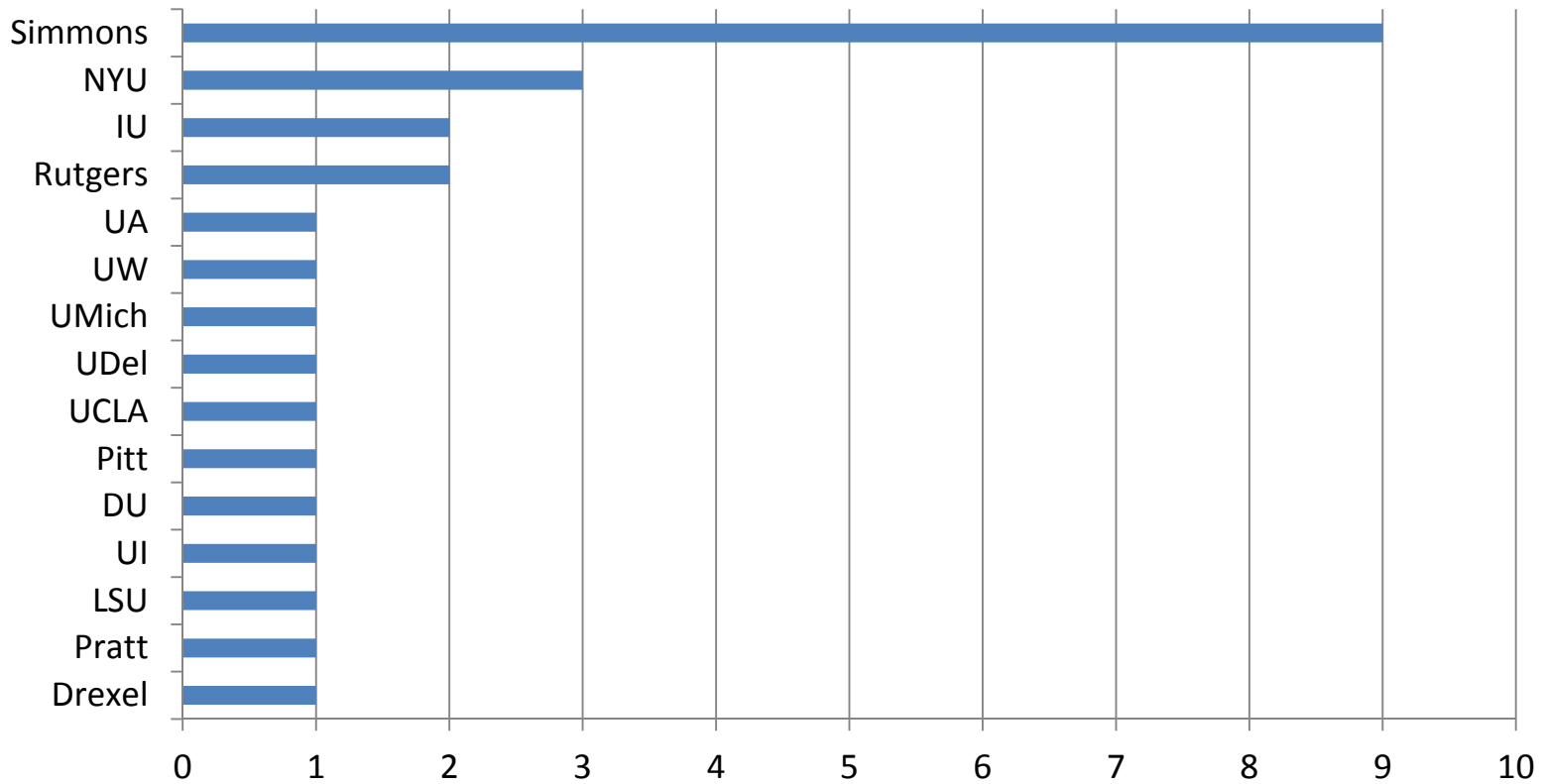
# Boston Applicants - Degrees
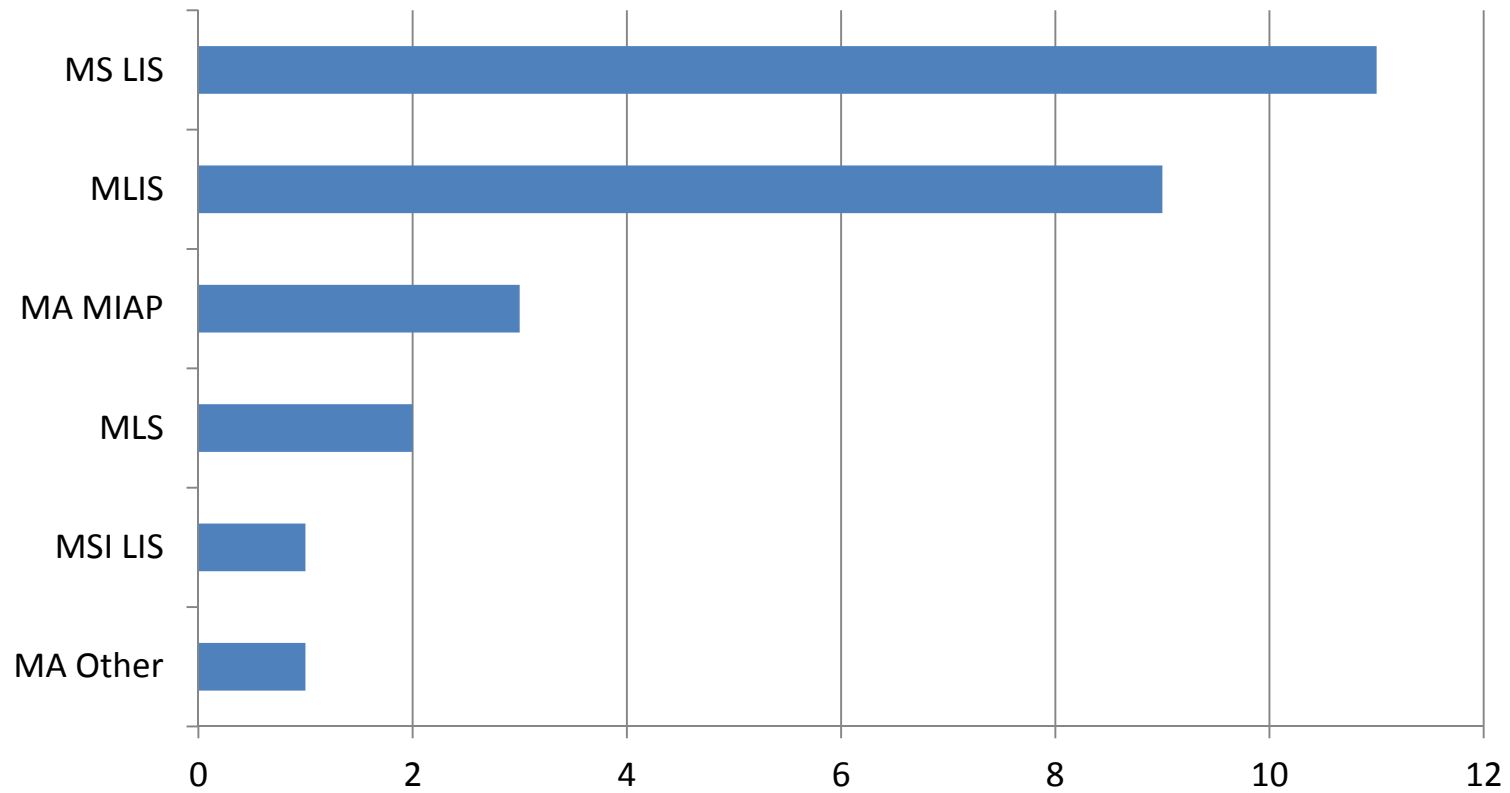
# Residents: Curriculum

- Immersive week to provide a landscape view of digital stewardship

- Scheduled events that build on pre-existing community events whenever possible

- Group activities that extend experiences and build community

- Individual residency requirements tailored to projects, skills, and interests

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# Instructors

- Involve instructors and presenters from:
  - host institutions
  - local institutions
  - pre-existing webinars and events
  - residents: discussing progress on projects
- Instructor workshop
  - Train-the-trainer for novice instructors
  - Coordination with interested instructors / presenters

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# Residents: Immersive Week

- Launches the residencies
- Morning instruction
  - DPOE*: Identify, Select, Store, Protect, Manage, Provide
  - Interactive with examples pertaining to projects
- Afternoon demonstration and hands-on
  - Identify relevant tools for projects
  - Review workflow scenarios and practical examples
- Discussion and review
- Note: participation by hosts, trainee instructors

*DPOE = Digital Preservation Outreach and Education

# Residency Events

- Scheduled curriculum events
  - In-person presentations, demonstrations, etc.
  - On-line activities, e.g. webinars plus discussion
- Group activities
  - Events at host institutions
  - Participation in regional events
  - Tours, visits and networking
  - Collaborate on organizing events
- Capstone event

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# NDSR Boston Website
## http://projects.iq.harvard.edu/ndsr_boston

# Acknowledgements

- Kristen Confalone, Project Manager, Harvard Library
- Nancy McGovern, Curriculum Coordinator, MIT Libraries
- Andrea Goethals, Project Director, Harvard Library
- Project Advisory Board
  - Karen Cariani, WGBH
  - Michele Cloonan, Simmons
  - Michele Kimpton, DuraSpace
  - Elaine Martin, UMass Medical
  - Megan Sniffin-Marinoff, Harvard University Archives
- Boston Hosts & Mentors
- IMLS
- Library of Congress
- NDSR NYC Team at METRO

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# Thank You!

## Questions or Comments?

**http://projects.iq.harvard.edu/ndsr_boston**
**ndsr-boston@hulmail.harvard.edu**

Margo Padilla
Metropolitan New York Library Council (METRO)
Digital Preservation 2014
@margo_padilla

# HOST INSTITUTIONS

- 21 host applications received

- Project proposals spanned digital curation lifecycle

- Applications from libraries, museums, universities, non-profits, and more

- Applicants given thorough feedback

# HOST INSTITUTIONS

# HOST INSTITUTIONS

- **AMNH**: To obtain an overview of digital assets related to science

- **Carnegie Hall**: Create and implement best practices for born-digital asset management

- **MoMA**: Use DR to test media conservation workflows

- **NYARC**: Develop policies to support web archive collection

- **NYU Libraries**: Plan and develop infrastructure for access to born-digital collections

# RESIDENTS—STATE
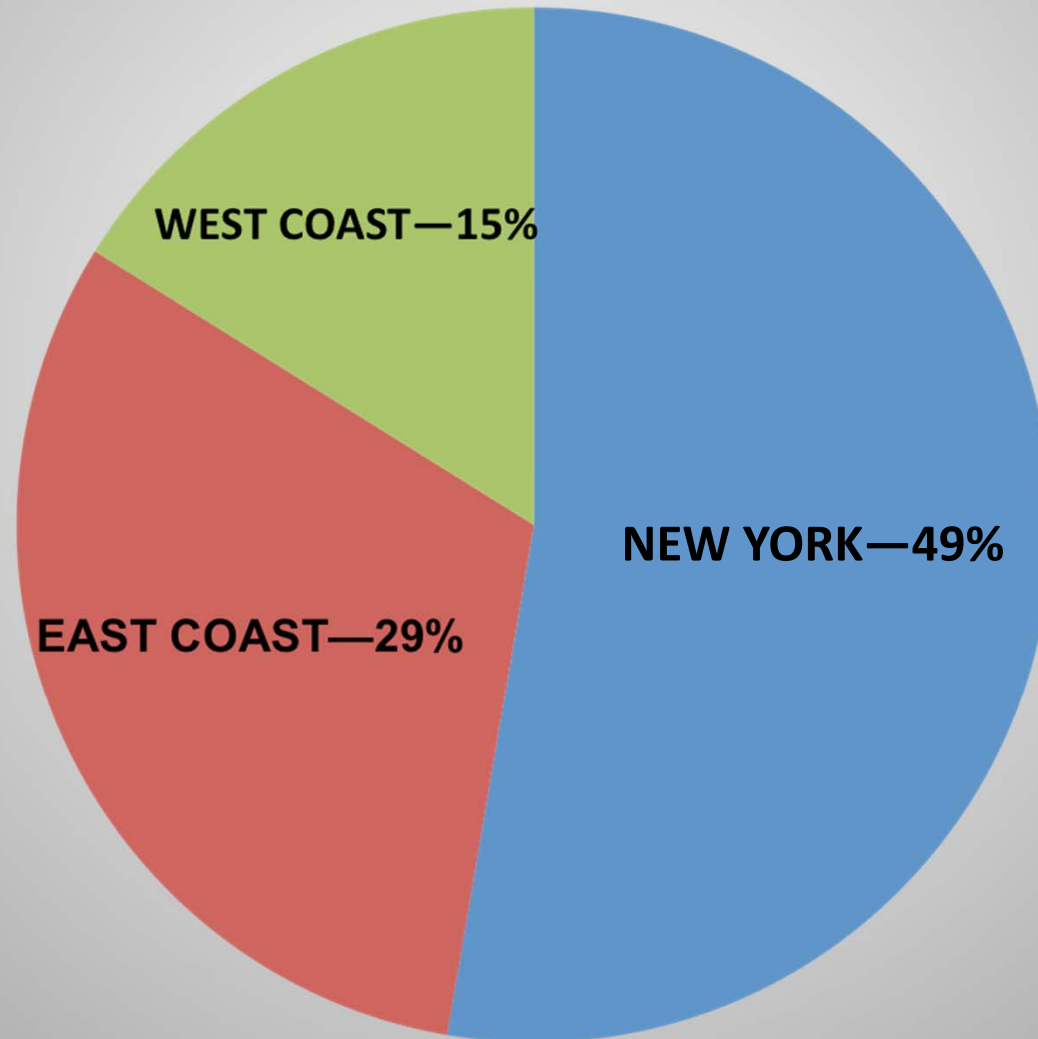
# RESIDENTS—DEGREE
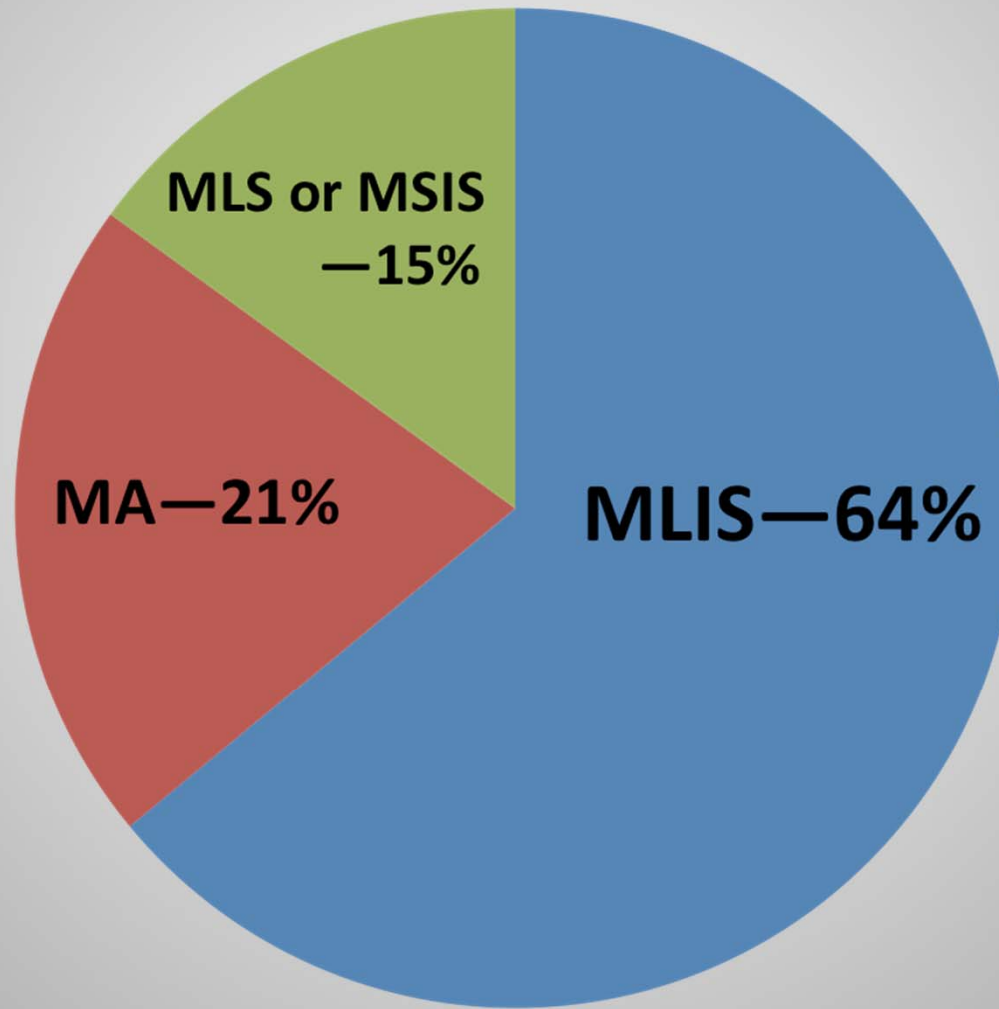
# RESIDENTS—2014-15 COHORT

- **Karl-Rainer Blumenthal**, MLIS, Drexel University

  *Host—New York Art Resources Consortium*

- **Peggy Griesinger**, MLS, Indiana University

  *Host—Museum of Modern Art*

- **Julia Kim**, MA, New York University

  *Host—New York University Libraries*

# RESIDENTS—2014-15 COHORT

- **Shira Peltzman**, MA, New York University

  *Host—Carnegie Hall*

- **Victoria Steeves**, MLIS, Simmons College

  *Host—American Museum of Natural History*

# RESIDENTS—TRAINING

- Digital stewardship immersion
  - Tailored to projects
  - Lecture and discussion, tools-based learning
- Instruction sessions throughout residency
- Experienced instructors
  - Host institutions
  - Local graduate programs and cultural heritage organizations

# RESIDENTS—TRAINING

- **METRO workshops and webinars**
  - Various topics covered
  - Opportunity to network

- **Access to lynda.com**
  - Online courses and video tutorials

# RESIDENTS—EVENTS

- Tours, seminars, social activities

- Professional development stipend

- Residents to plan sessions at host institutions

- Monthly resident meetings

# RESIDENTS—SOCIAL MEDIA

- Collaboratively create and manage NDSR-NY blog
  - Project reports and announcements
  - Conference coverage, stories of interest, etc.

- Residents will write for other relevant platforms
  - Blogs, newsletters, journals
  - Content for host institution platforms

# NDSR-NY ACTIVITY

- Site visits with each host institution
  - Meet face-to-face and tour facility
  - Establish expectations and answer questions


- Evaluation
  - Gather information throughout residency
  - Meet regularly with mentors and residents

**NDSR-NY**
National Digital Stewardship
Residency in New York

# http://ndsr.nycdigital.org/

Karl-Rainer Blumenthal
@landlibrarian

Peggy Griesinger
@peggygriesinger

Julia Kim
@jy_kim29

Shira Peltzman
@shirapeltzman

Vicky Steeves
@VickySteeves

BROOKLYN HISTORICAL SOCIETY

METROPOLITAN NEW YORK LIBRARY COUNCIL

INSTITUTE of Museum and Library SERVICES

# 9 Months as an ndsr Resident

## ...in 9 Minutes

MAUREEN McCORMICK HARLOW

JAIME McCURRY

# AGENDA

1. Immersion Workshop
2. Project Planning
3. Conferences
4. Outreach
5. Enrichment Sessions
6. Social Media and Marketing
7. Symposium
8. Graduation
9. Conclusion
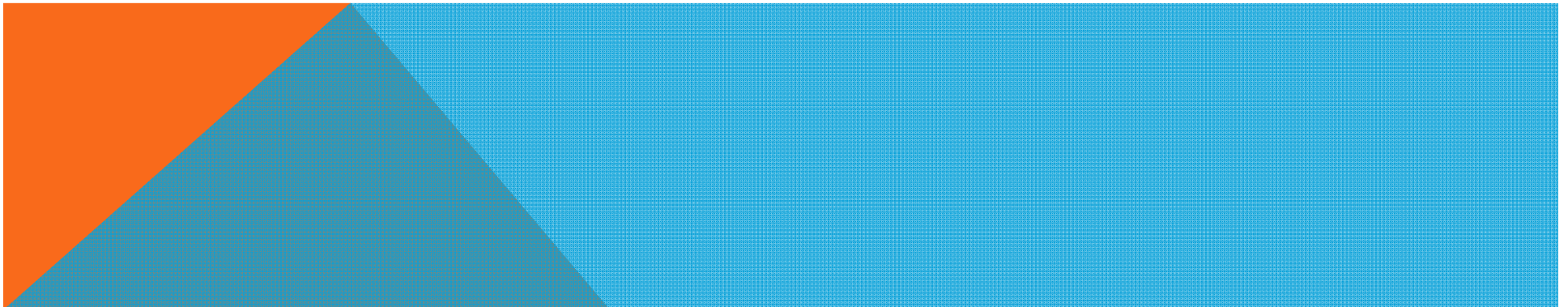
# IMMERSION WORKSHOP



Residents in their natural habitat: a conference room, taking a break from digital preservation by creating new digital content.

# PROJECT PLANNING

Project Outline
Milestones
Assessment Metrics
Project Deliverables

Resident-Mentor
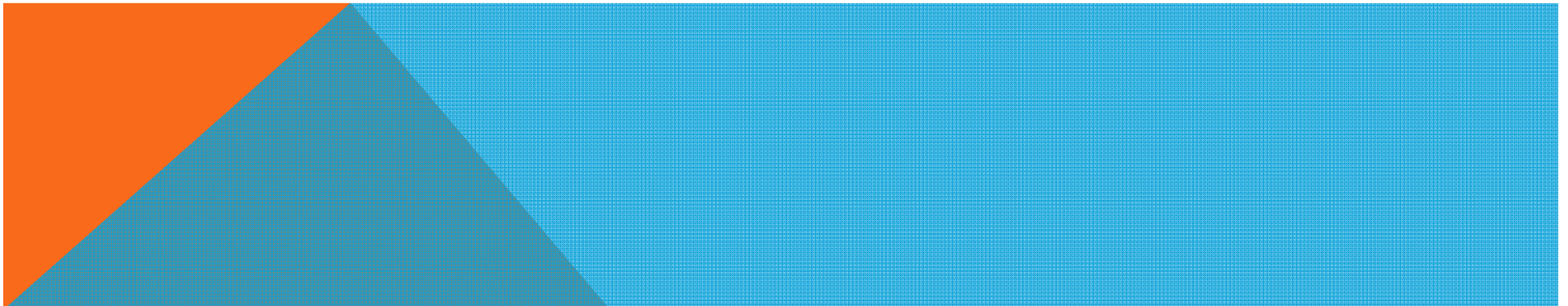Communication

Progress Meetings

Midterm or Quarterly
Reports to Mentor

Bi-Weekly Reports to
NDSR Program
Managers

Final Reports to
Host Institutions

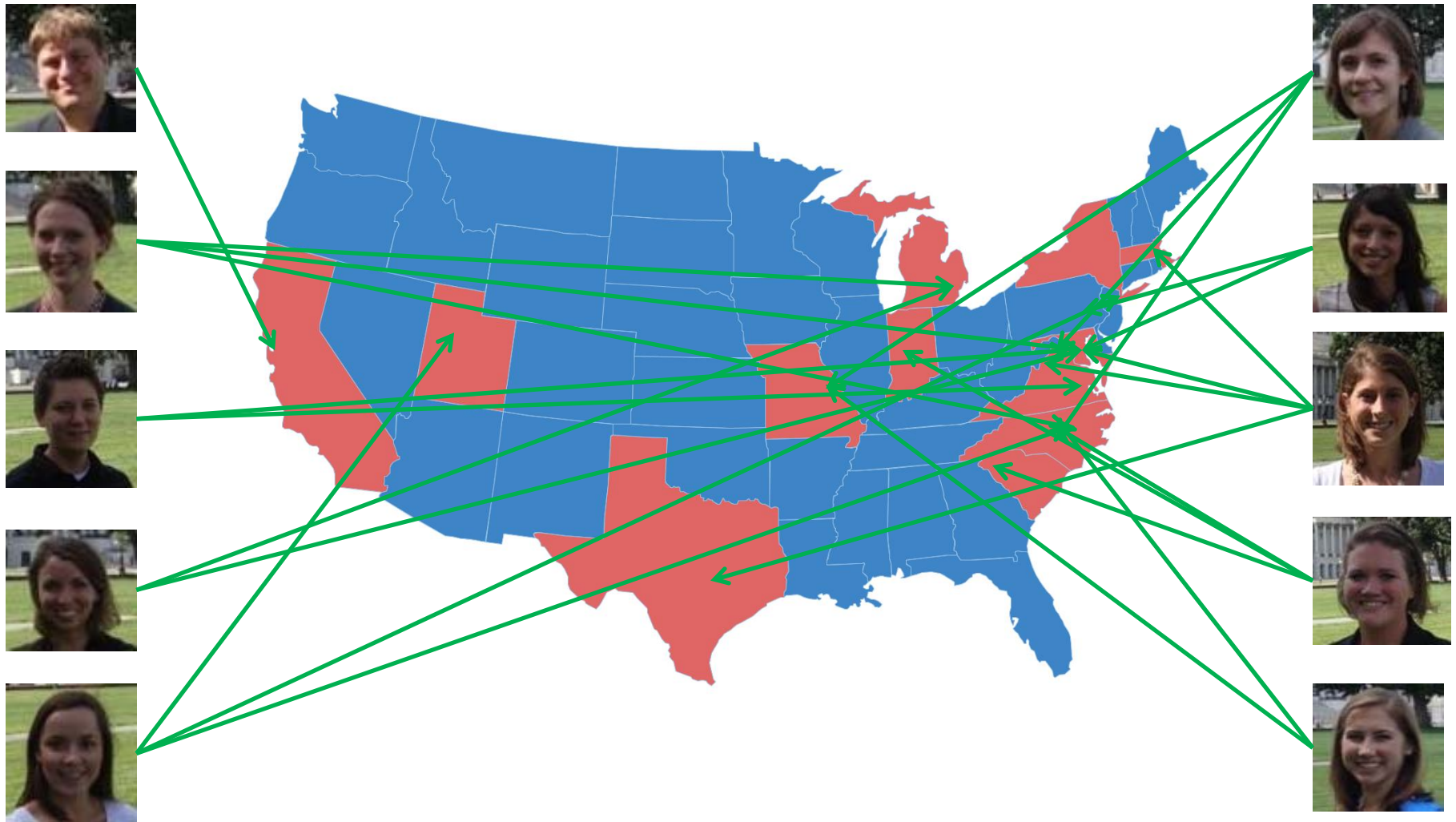Final Reports to NDSR
Program Managers

# MANDATORY CONFERENCE ATTENDANCE AND PRESENTATIONS

ALA Mid-Winter
Conference
*Philadelphia, PA*

IMLS WebWise Conference
*Baltimore, MD*

NON-MANDATORY CONFERENCE ATTENDANCE AND PRESENTATIONS

# OUTREACH

## The Collation
*Folger Shakespeare Library*

## Circulating Now
*National Library of Medicine*

## The Bigger Picture
*Smithsonian Institute Archives*

## UNREDACTED
*The National Security Archive*

## IFCA Blog
*Dumbarton Oaks*

## DLF Blog
*Digital Library Federation*

## Archive-It Blog
*Archive-It/Internet Archive*

## The Signal
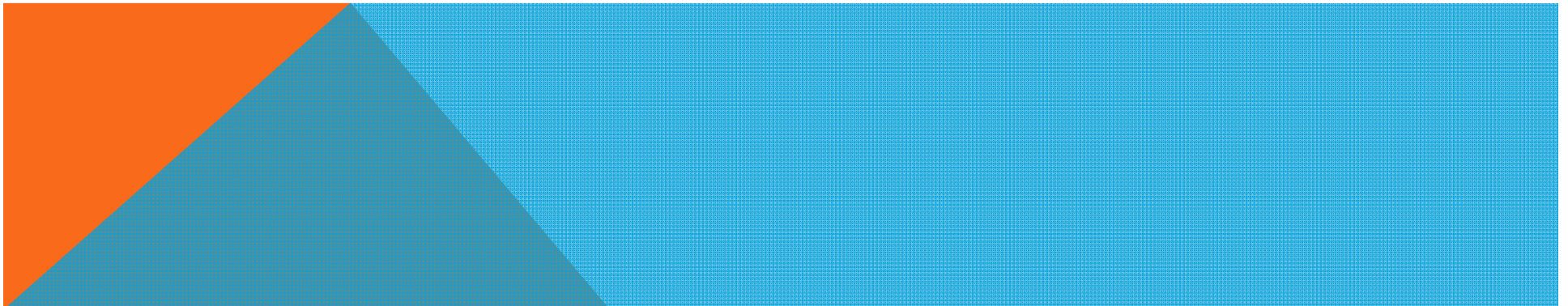*Library of Congress*

## Digital Dialogues
*MITH*

## Online Digital Preservation Workshop
*Dumbarton Oaks*

# OFF-CAMPUS ENRICHMENT



Culpeper Field Trip
March 21, 2014

*All photos courtesy of
Emily Reynolds*

**SOCIAL MEDIA AND MARKETING**

# #NDSR
# #NDSR14

See the archived Symposium Tweets here!
http://bit.ly/1qYGMIT

# EMERGING TRENDS IN DIGITAL STEWARDSHIP SYMPOSIUM

April 8, 2014 at the National Library of Medicine



Leslie Johnston, formerly of Library of Congress, discusses the challenges of archiving Twitter.
Photo by Sue Manus ,Library of Congress, via The Signal blog.



The residents after the program.
Photo by Jeff Reznick, NLM, via Circulating Now blog.



A sample of digital and analog materials commonly found in collections.
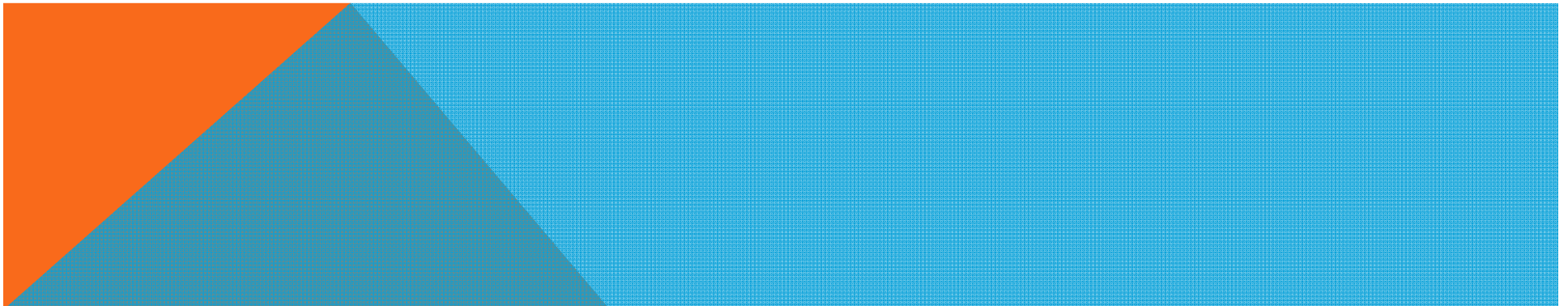Photo courtesy of Matt Kirschenbaum, MITH, via Circulating Now blog.

# GRADUATION


Photo Credit: Amanda Reynolds via The Signal Blog


Photo Credit: Margo Padilla via Twitter

# CONCLUSION



Photo by Ali Fazal

# THANK YOU!

MAUREEN McCORMICK HARLOW

@MCMHARLOW

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JAIME McCURRY

@JAIME_ANN

JMCCURRY@HILLWOODMUSEUM.ORG

# NDSR MENTOR EXPERIENCE AT PBS

# Mentor Preparation

- Plan well in advance and build in risks
- Allocate resources to include staff time
- Set realistic project outcomes
- Know goals for organization & resident
- Commitment and benefits are equally shared
- Community build with other mentors

Be more. PBS

# Finally…

- Remain flexible: expect the unexpected
- Enjoy the partnership opportunity

Vickie Allen

Director, Media Library

vlallen@pbs.org

Be more. PBS.

# National Digital Stewardship Residency

## Digital Preservation 2014: Panel Discussion

Vickie Allen, PBS
George Coulbourne, Library of Co...
Andrea Goethals, Harvard Library
Maureen McCormick Harlow, PBS
Jaime McCurry, Hillwood Estate, Museum & Gardens
Nancy McGovern, MIT Libraries
Kristopher Nelson, Library of Congress
Margo Padilla, Metropolitan New York Library Council

## Questions?

NDSR DC: NDSR@LOC.GOV
NDSR Boston: NDSR-