

# Using Open-Source Tools to Fulfill Digital Preservation Requirements

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## ABSTRACT

This workshop offers a space to talk about open-source software for digital preservation, and the particular challenges of developing systems and integrating them into local environments and workflows. Topics will include current efforts and grant-funded initiatives to integrate different open source archival software tools; the development of workflows involving multiple open source tools for digital preservation, forensics, discovery and access; and the identification of gaps which may need filled by these or other tools.

## General Terms

Institutional opportunities and challenges; Infrastructure opportunities and challenges; Frameworks for digital preservation; Preservation strategies and workflows; Innovative practice; Training and education.

## Keywords

Open source; workflows; case studies; demonstrations

## 1. INTRODUCTION

The past decade has seen the development of numerous open-source tools that can support the curation of digital collections. Many professionals are looking for further guidance on how and when to adopt particular tools, in order to support their institutions specific needs, constraints and workflows.

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This proposed full-day workshop in the innovative practice stream will (1) help to raise aware of the features and capabilities of these tools, (2) highlight cases in which the tools are being used (in isolation or together) in specific settings, and (3) facilitate focused discussions on how to best adopt and integrate such tools.

## 2. INTENDED AND EXPECTED AUDIENCE

This workshop is designed for those with direct digital preservation responsibilities; those with strategic and oversight responsibility related to digital preservation; and those engaged in tool development and testing.

## 3. OUTLINE OF WORKSHOP

This workshop will be composed of several sessions:

- Personal introductions and overview
- Tool demonstrations
- Case studies - discussion of workflows at specific institutions, including gaps in tools and how those are being addressed or could be addressed
- Panel discussion of lessons learned from demos and case studies (including integration endpoints, existing gaps and potential coordination options)
- Small group discussion – participants will break into smaller groups to discuss implications for their own institutions and opportunities for collaboration
- Reporting out – groups will report out about their discussions and the larger group will convey what they see as (individual and collective) next steps

#### **4. OVERALL ORGANIZING STRATEGY**

The workshop organizers will issue a call for participation. Interested parties should submit a short summary (one page maximum) of a demonstration or case study they would like to present. These contributions will serve as the basis for the tool demonstration and case study portions of the day. The workshop organizers will serve as panelists during the third portion of the day, and they will then serve as facilitators for the break-out group discussions.

#### **5. WORKSHOP ORGANIZERS**

- Christine Di Bella, Community Outreach and Support Manager, ArchivesSpace
- Max Eckard, Assistant Archivist for Digital Curation, Bentley Historical Library, University of Michigan
- Christopher A. Lee, Associate Professor, School of Information and Library Science, University of Michigan
- Sam Meister, Preservation Communities Manager, Educopia Institute
- Courtney Mumma, Consultant, US and International Community Development, Artefactual Systems
- Michael Shallcross, Lead Archivist for Curation, Bentley Historical Library, University of Michigan
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