

**Bridging the Digital Divide:
Approach to Documenting Early Computing Artifacts Using
Established Standards for Cross-Collection Knowledge
Integration Ontology**

Abstract

In this paper we address the challenges of documenting early digital artifacts in collections built to offer historical context for future generations. Through insights from active community members (N=20), we examine current archival needs and obstacles. We assess the potential of the CIDOC Conceptual Reference Model (CRM) for categorizing fragmented digital data. Despite its complexity, CIDOC-CRM proves logical, human-readable, and adaptable, enabling archivists to select minimal yet effective building blocks set to empower community-led heritage projects.