

# LOUD: Linked Open Usable Data for Cultural Heritage

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## Abstract

A number of recent American cultural heritage projects have been making use of the CIDOC-CRM: The Getty Provenance Index Reboot, a database of art dealer stock books and other documents; Art Tracks, a project to define a standard for provenance of museum objects; and the American Art Collaborative, a Mellon-funded project to use linked data to connect 14 museum and archives' collections. Each of these projects included data transformation and modeling, and each involve software development that require developers to directly use linked data to power sophisticated web applications.

Emerging from these and other projects is linked.art, a profile of the CIDOC-CRM that tries to find a balance between the competing requirements of ontologists, software developers, and catalogers. Beyond standard catalog data, linked.art uses CIDOC-CRM's event-based model to allow describing the provenance of the objects, and also includes tools to record the provenance of the data produced. It does so in a way that seeks to be understandable by people with wildly differing disciplinary expertise, fostering collaboration across domains and across institutions.

By understanding the needs of all three audiences: developers, ontologists, and catalogers, we enable the creation of Linked Open Usable Data: richly semantic, easily computable, well-documented, and described using domain-specific concepts.