

Title: Knowledge Representation of Educational Metadata in Linked Open Data: Promoting the Educational Use of Digital Cultural Heritage

Abstract:

Digital cultural heritage services are on the rise, with many LAM (Libraries, Archives, and Museums) institutions digitizing cultural resources and making them accessible online. In Japan, the launch of “Japan Search” in 2020 has made tens of millions of digital items available for public use. One significant application of these resources is in education. By integrating primary sources into primary and secondary education, students can enhance their learning experience by engaging with authentic materials rather than simplified textbook content. Additionally, for LAM institutions, educational use provides an opportunity to justify digitization costs and strengthen their societal value.

In this context, we have developed Linked Open Data (LOD) for textbooks, learning units, and courses of study, serving as fundamental tools for leveraging digital cultural heritages in education. The presentation will discuss the relationship between LOD identifiers and digital collection content, highlighting our methodology for linking educational activities with cultural heritage resources from digital collections.