

## Digitization Lifecycle

The project Digitization Lifecycle is a joint effort by four Max Planck Institutes of the Humanities and Social Sciences Section and the Max Planck Digital Library (MPDL) in Munich. The institutes involved are the MPI for European Legal History in Frankfurt (Main), the MPI for Human Development in Berlin, the Kunsthistorisches Institut in Florence and the Bibliotheca Hertziana in Rome. The partners aim to make digitized resources available in a web-based environment. For this purpose, generic functionalities are being developed to index, edit and publish digital works. Within two years – Feb 2011 to Feb 2013 - the project partners are creating applications and services to address interdisciplinary requirements for digitized collections and transfer digitized holdings onto the platform.

A sustainable and reusable software will be developed to meet the participating institutes' demand for a flexible technical infrastructure to support digitization projects and the management of digitized resources. The project additionally addresses the implementation of tools supporting metadata generation according to established standards (METS, MODS, TEI) as well as searchable full texts.

All results of the projects will be made publicly available and the software will be published under an open-source license for re-use and shared developments.

The project will furthermore address basic requirements of a virtual research environment such as

- enhancing texts and images with additional scientific data
- comparing and referencing texts and images
- collaborative scientific indexing and rights management
- searches spanning various collections using a variety of indexing criteria

as well as more advanced scenarios like

- referencing selected parts from full texts
- connecting different collections
- linking texts, pictures, dictionaries, research literature, etc.

Standardized interfaces and formats will enable the inclusion of digitized resources into external systems (e.g. VD16, VD17, Europeana) and viewing systems. Furthermore, the digital lifecycle platform will offer multiple export formats for the digitized resources.

In parallel to the technical components, guidelines for digitization projects will be provided, taking current relevant examples into account (e.g., the German Research Foundation's practical rules for digitization) as well as the technical and organizational expertise of the project partners. Special attention will be paid to areas such as OCR, markup in TEI, and the scientific requirements for virtual research environments.