Managing OA Multimedia Multitype Digital Documents in the OpenDLib Digital Library Management System

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What is a digital library?

“A digital library is an institution that performs and/or supports (at least) the functions of a library in the context of a distributed, networked collection of information objects in digital form”

Nicholas Belkin
Eight DELOS Workshop
Stockholm, 1998
The functions of a library powered by OpenDLib

- Selecting, collecting, preserving, organizing, representing, providing controlled access to, ensuring knowledge of, and disseminating information objects.

- Mediating and supporting interaction between information users and information objects.
OpenDLib as a communication means

Producer

Digital Library

Consumer
DoMDL as logical document model

DoMDL represents structured, multi-editions and multimedia documents that can be composed and disseminated in multiple manifestation formats.
DoMDL in one shot

- **Document**: Dante Alighieri “La divina commedia”
- **Edition**: Ridotta a miglior lezione dagli accademici della Crusca 1595
- **View**
- **Manifestation**
OpenDLib services for self-publishing

Allow authors, reviewers, and administrators to access a virtual desktop where all the communications are aided by a customized workflow.

Author submit Virtual Desktop
notify

Admin
notify
select

Reviewers
notify
submit

Admin
notify
approve / reject

DL publish
discard
Submit Service

Allows authors to easily deposit documents and provide them with descriptive, structural and administrative metadata.

- Create, update and submit new documents
- Create, update and submit new editions of already published documents
- Make revision of documents already published
- Withdraw documents from the repository
Review Service

Allows to access documents and easily produce on-line reviews.

- Access the document on-line
- Create, update, and submit evaluation
- Access to parts of the evaluation expressed by other reviewers
- Access to relevant cited bibliography
Administration Service

Allows the DL Administrator to have a general view of the status of all the documents submitted for publications by different authorities, and to manage them accordingly.

- Access the document on-line
- Edit the metadata
- Assign to a reviewer
- Compose a number of documents to publish a proceedings or a journal
- Approve/Reject
Final Remarks

The OpenDLib system exploits the DoMDL model by decoupling the storage layer from the application layer.

- A document is really composed by several files

- Multiple metadata formats can be associated with the same document

- A manifestation can be stored inside or outside the DL system

- A set of rules to download, deliver, transcode or display define the rights on the document views

- The author can benefit from an integrated desktop to self-publish his document

- The end-user can transparently access complex documents that are automatically assembled by the system
Thank you

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www.opendlib.com