

## Background



Digitization and online contents are transforming the way traditional publishers and libraries operate.



The e-publishing systems provide the means of content availability on digital domain.



Exploiting the innovations and potentials of online and digital domain!



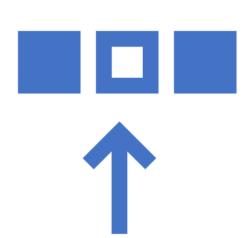
Experiments with quality controlled Knowledge portal at ISDS TUG

Austria Forum Web-Books

# NID Library System

- A modular web-based system built using latest technologies
- Capable of deployment in Windows/Linux environment; Responsive design for cross platform access.
- Micro services architecture of system offers scalability, performance and ease of deployment.
- International Image Interoperability Framework (IIIF) standard based content processing and presentation.
- The library system use most resilient open source components for database, indexing and image/OCR functions.

(No additional licensing)



# System Interface

- NID Library system is used via following two sites
  - NID Library Management
  - NID library portal

Overview of workflow in NID Library is explained in figure on slide





Device independent availability

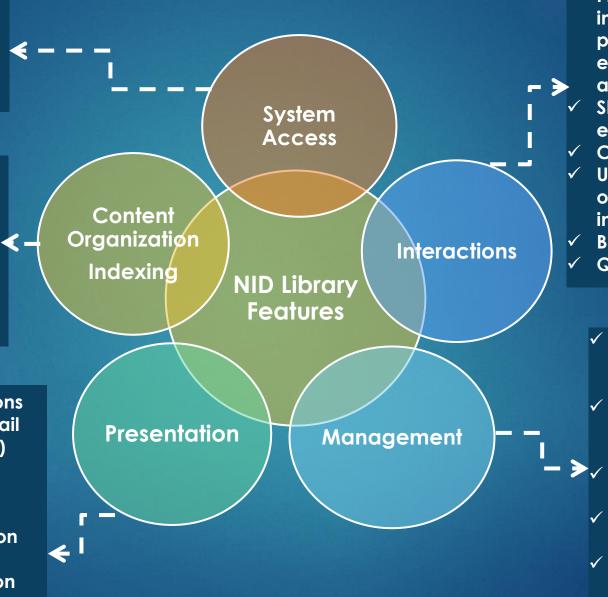
IIIF compliant Viewer

Responsive and adjustable layout

Access to user contributions

Advance search capabilities

- √ Responsive (desktop, mobile)
- Different levels of user authorization (role based)
- ✓ User Groups
- ✓ Digital Rights Management
- √ Categories and subcategories
- Faceted search facility on meta data, use of different filters
- ✓ Full text indexing and search, with AND/OR operators, quotes, wild cards, result ranking.
- Indexing of text contents for image based PDFs as well.
- Rich viewing and formatting options (single page, book view, thumbnail scroll, rotation, zooming, contrast)
- Parallel book page view from different sources/books, customizable canvas space.
- Readily available meta information and IIIF object manifest.
- ✓ Table of contents, page navigation and in book search and result highlighting.



✓ Annotations and Links for Public,
 Private and Group use. (Text notes,
 images, External page links, Internal
 page links, External video
 embedding) different options of
 annotation markers and colors)

 Sharing of selected content through email and social media platforms

✓ Citation creation in standard format.

 Underlaying WIKI system for creation of articles, addition of high-resolution images and videos.

✓ Book reviews, and comments

Quiz Engine

Book addition, deletion, editing, indexing, ToC creation, Author Biography

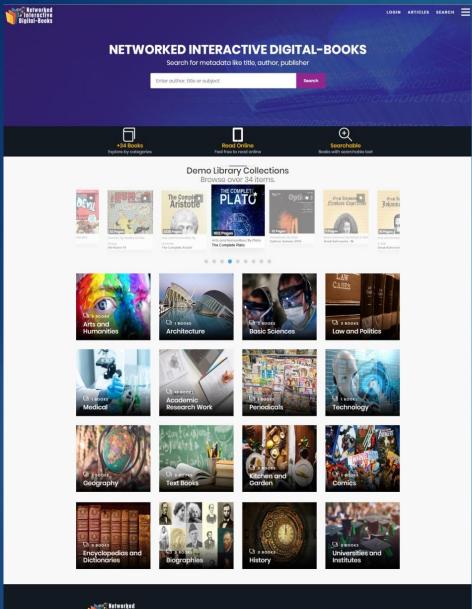
 Category and sub-category creation, deletion, editing, cover image

Author, publisher information, source information

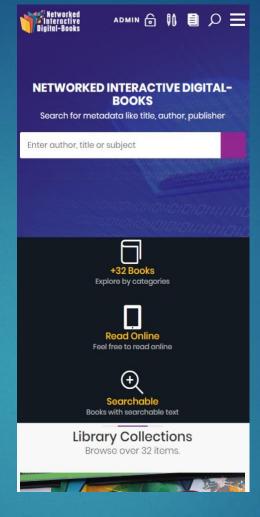
System related settings, Language training data for OCR

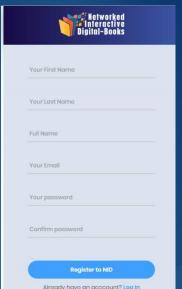
 User Registration and management functions

# Demo System URLs <a href="https://nid58.iicm.tugraz.at">https://nid58.iicm.tugraz.at</a>:8080











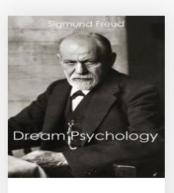


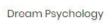
## LIBRARY COLLECTIONS

LATEST

SORT BY

-0-Limit your search Search... Q Categories All (40) Arts and Humanities (10) Architecture (1) Basic Sciences (3) Law and Politics (3) Medical (1) Authors All (40) Annelies Koller (0) Ludwig Wittgenstein (0) Wilfried Daim (0) Magdalena Laura Halb (0) Hermann Maurer (o)



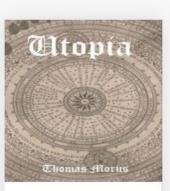




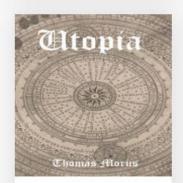
FRANZ WEISS (extended)



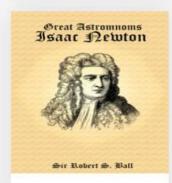
Imperial Vienna



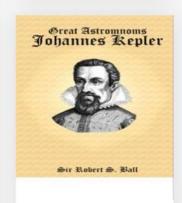
Utopia DE



Utopia ENG



Great Astronoms - Isaac



Great Astronoms - Johannes



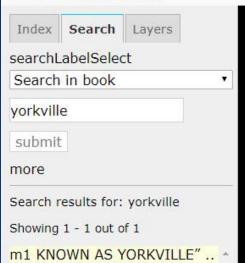
The Complete Plato

**a** changeLayout NID Library Book Viewer ■ admin @ Help 66 Cite % Related Links

### **■** ■ Dare Devil 05







FROM 01512 WHAT OF HE WSS

our OF 'THE













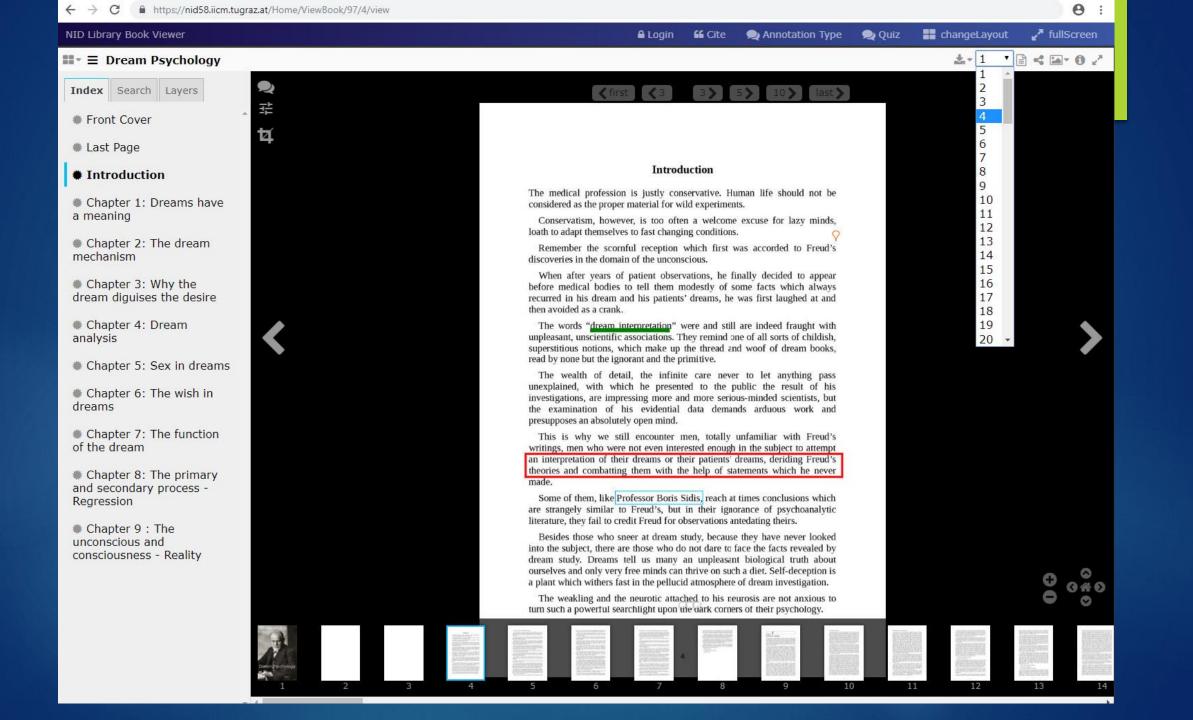


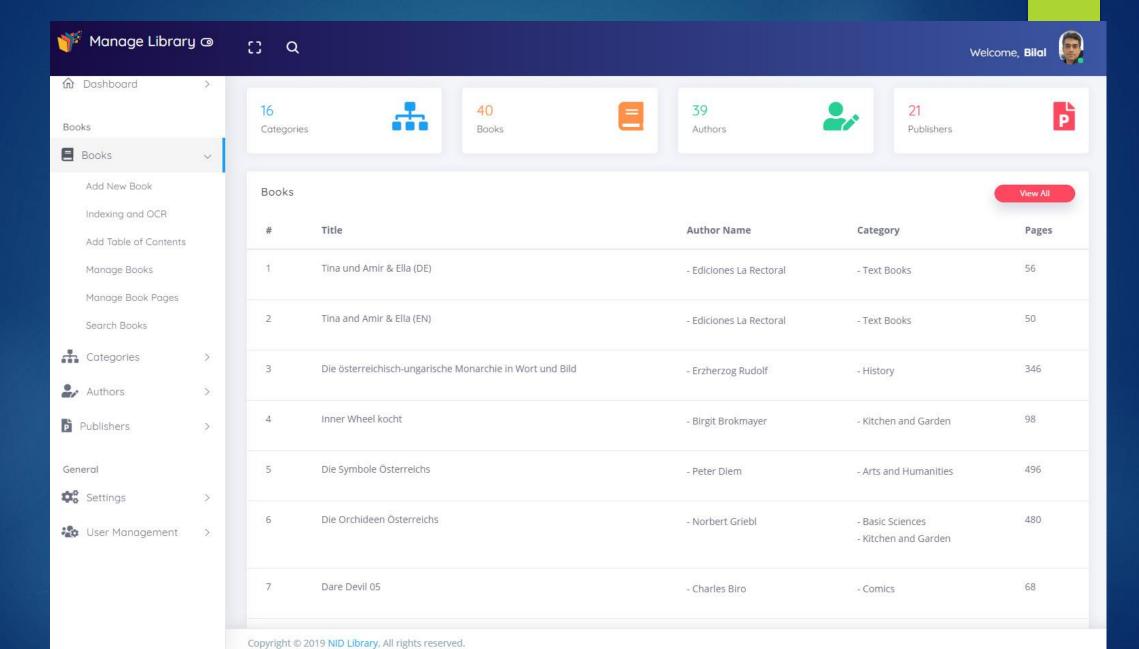














- Dashboard
- \* My Articles
- + Add Article
- Other Articles
- 2+ Add Group
- Manage Groups
- + Add Quiz
- Add Quiz Question
- Quiz Results
- Broadcast Message
- My Profile

| Basic info                 |                   |  |
|----------------------------|-------------------|--|
| Topic title *              | Article Version * |  |
| Aristotle                  | 10.0              |  |
| Article Category (ies) *   |                   |  |
| × Arts                     |                   |  |
| Article Cover Image        |                   |  |
| Choose File No file chosen |                   |  |
|                            |                   |  |

#### Content

Description \* @

Information about Aristotle, the Greek philosopher during the Classical period in Ancient Greece,

Content\*

Heading 1



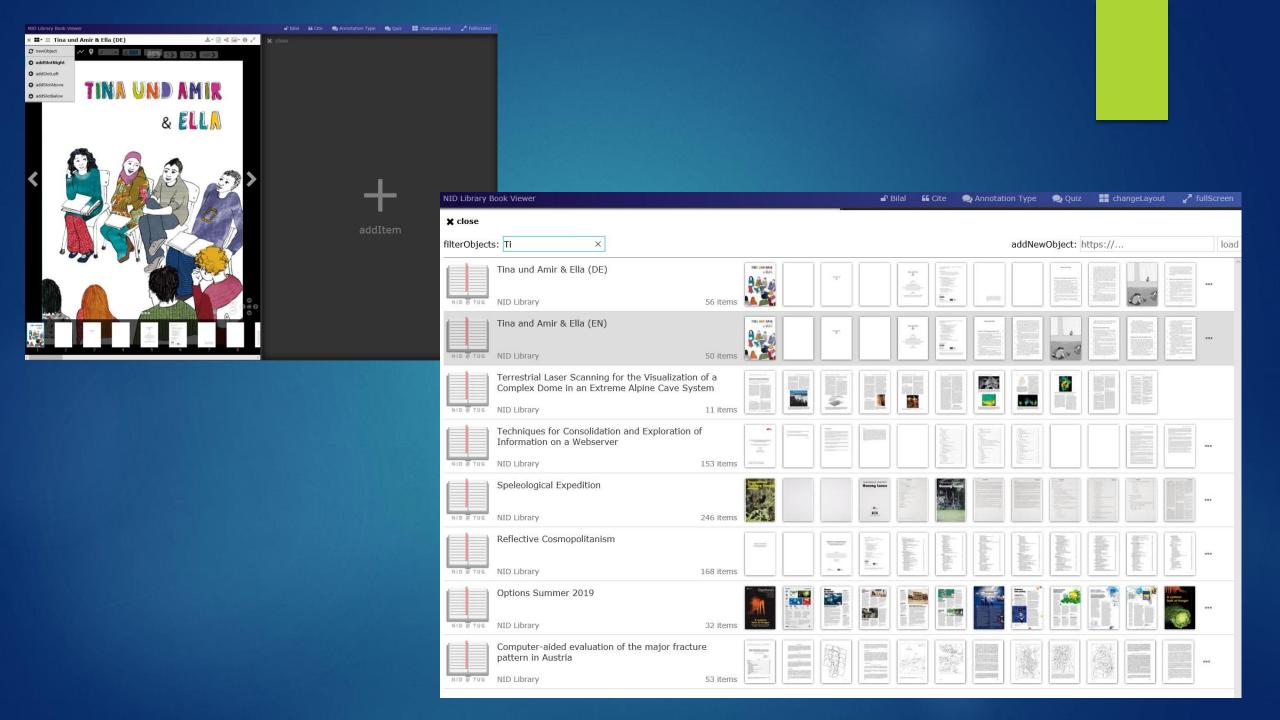




## **Aristotle**

Aristotle was a Greek philosopher during the Classical period in Ancient Greece, the founder of the Lyceum and the Peripatetic school of philosophy and Aristotelian tradition. Along with his teacher Plato, he has been called the "Father of Western Philosophy". His writings cover many subjects - including physics, biology, zoology, metaphysics, logic, ethics, aesthetics, poetry, theatre, music, rhetoric, psychology, linguistics, economics, politics and government. Aristotle provided a complex synthesis of the various philosophies existing prior to him, and it was above all from his teachings that the West inherited its intellectual lexicon, as well as problems and methods of inquiry. As a result, his philosophy has exerted a unique influence on







Dashboard ★ My Articles + Add Article Other Articles 2+ Add Group 醬 Manage Groups + Add Quiz Add Quiz Question ■ Quiz Results 🖾 Broadcast Message 🚨 My Profile

| Quiz *                            |   |   |  |
|-----------------------------------|---|---|--|
| TinaAmir-ep1                      |   |   |  |
| Book Pages *                      |   |   |  |
| 0012                              |   |   |  |
| Question *                        |   | ross the footbridge over the river yes  |  |
| Statement of second quiz question |   | t happened?" Tina leoked at him.  plain: "I was coming from my Germa' dy and Fabio stopped me on my washe eyes. She was wear- some of my books and threw them on her neckline and her magine?" y do it?" Tina asked. "I said, "Well, they told me I had to give the river yesterday." ait for me every day and if I do not g. |  |
| Option 1 *                        |   |   |  |
| first option.                     |   | all burch me and throw my things in it from my German losson, your parents?" Tina asked.  alk to my father. I know exactly whend threw them into the in. He would say "Fight them:" I ans   |  |
| Option 2 *                        |   | ell your mother?" Tina asked.  11 yould tell me "Go to your headmasterold me I had to give them aid, "teday we are walking together, and if I do not give them the motion your your yound me and drow my things in the river."  |  |
| second option                     |   | "Did you tell your parents?" Tina asked. "No, I can't talk to my tather I know exactly what my fa- 20 ther would tell me. I to would say "Fight thom!" I answered.  |  |
| Option 3 *                        |   | "And if you tell your mother?" Tina asked. "My mother would tell me "Go to your headmaster!" I said. "Well," Tina said, "today we are walking together, ok? We'll see what happens."  |  |
| 3rd option                        | × | 25 I felt teenble. Now it would become worse. Why did I talk<br>to Tina? Why did I tall her? I did not want her walking with me<br>- walking home with a girl!<br>Then all of a sudden Andy and Fabio turned up and said.   |  |
| Option 4 *                        |   | "Come over here!"   said bravely: "What do you want? Just<br>3D   Icave me alone."  |  |
| Option Text                       |   | 10  |  |