







Motivation for the ELN Finder



- ► "What ELN software is there that suits my purposes?"
- ► "How do I find all the appropriate ELNs for materials science?"
- "Which ELN systems support standard XYZ and are open source?"
- "How do I find reliable information on different ELNs?"
- ▶ "How do I compare different ELNs"?

Until the launch of the ELN finder, there was no

- reliable
- independent
- up-to-date
- complete

basis (even internationally!) for answering such questions.

Aims and Target Groups



- ► Aims of the ELN Finder as a permanently maintained web application:
- Possibility to search and filter records for electronic laboratory notebook software (ELNs) according to criteria or keywords (user perspective)
- Authorised editing of ELN records for the purpose of updating and maintenance (provider perspective)
- ► Target groups:
- Research data managers and officers
- Persons entrusted with the introduction of an ELN, e.g. infrastructure staff (library staff, IT staff, lab staff)
- Researchers who want to find a suitable ELN

Background & History



- The project behind the ELN Finder has been "side-tracked" since 2019 in cooperation between ZB MED Information Centre for Life Sciences (Cologne), and the University and State Library (ULB) Darmstadt
- January 2022: Call for cooperation and formation of an editorial team as well as implementation of the web portal
- Since April 2022: Further development by a 10+ member editorial team from 8 institutions
- February 2023: Official launch
- March 2023: Increased public relations work and expansion of the editorial team

Current status



- Detailed hierarchical criteria catalogue defining and describing the metadata structure for the ELNs
- 43 criteria and associated values, 12 attributes
- Summary of the criteria in 7 categories:
 - General
 - Usability
 - Core functions (containing functionalities that are used for the documentation on a daily basis)
 - Extended functions (Daily work)
 - Compliance with legal requirements
 - Integration in RDM
 - IT environment
- Metadata schema published: https://doi.org/10.4126/FRL01-006452815

Current status



- ► Web portal on the basis of the open source software DSpace 7
- English language interface
- Comprehensive compilation of FAQs
- External ELN information collection created for individual ELNs
- ► Data entered from the information collection for 30+ ELNs
- ► User manual for contributors

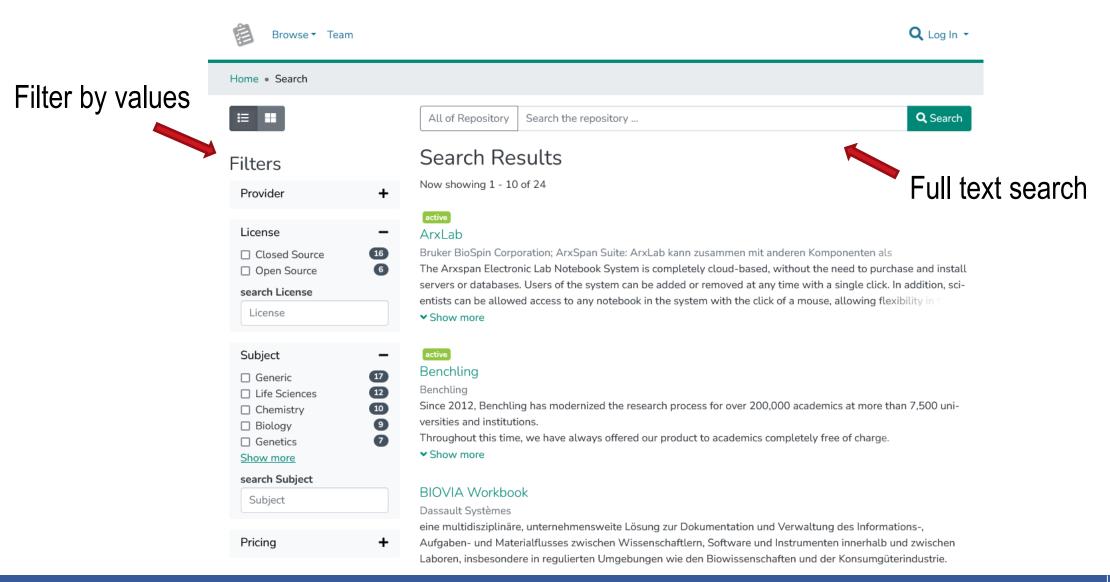
Tool demonstration



► https://eln-finder.ulb.tu-darmstadt.de



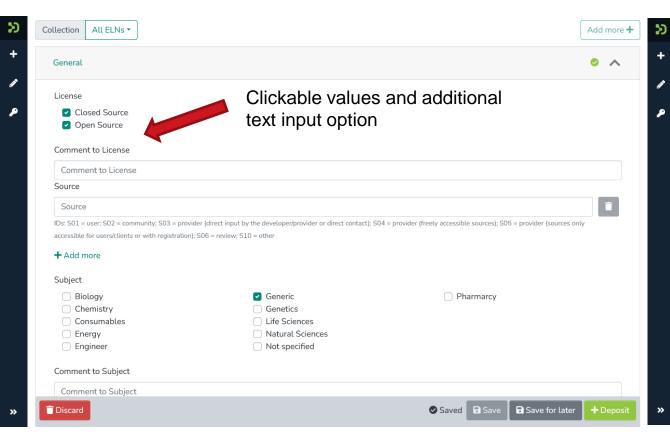




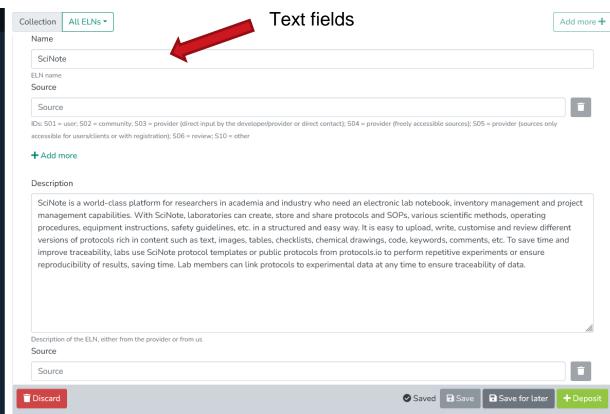




Input criteria for an ELN software (variable values)



Input attributes for an ELN software (fixed description)



The "Source" field is only visible in the backend. It makes it easier for the editors to trace the entries during the review.

Current developments



- **Gaining international participation** in the editorial team / as a contributor (= ELN editor)
- Winning the vendors of ELNs as contributors (ELN editors)
- Time-consuming maintenance is taken over by the providers themselves = higher topicality of the content
- Improvement of help texts
- Adding more tools and maintaining the existing content
- Further development of the ELN Finder software, e.g. offering export of filtered data sets
- Offering **networking possibilities** between users of the same ELN system and thus enabling exchange of experience, inclusion of reference users

Join the team!



- Can you serve as a reference user for an ELN software?
- Can you be contributor for the record of an ELN software?
- Would you like to be part of the editorial team?

We would be happy to hear from you!

General contact: eln_finder_mailingliste@listserv.dfn.de

Editorial office (monthly editorial meetings): Birte Lindstädt, ZB MED,

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ELN Finder



Thank you for your attention.



www.zbmed.de



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