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Electronic Laboratory Notebook (ELN) Newsletter

Electronic Laboratory Notebook (ELN) News

ELN Tender process in details

Current ELN status

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What's new

Electronic Laboratory Notebook (ELN) News

The Faculty of Science adopted an Electronic Laboratory Notebook (ELN) system in 2016.
After so many years, due to European regulations, the Faculty is obliged to go through a tender process to decide whether we can carry on with the same ELN software or select a new product.

An ELN system will always be available to support our researchers in the digital , certified,
secure management of their research data

...so....keep calm and go ELN!

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ELN tender process in details

ELN tender process principles

- The ELN is a means for conducting effective, efficient, and transparent research, not a goal.
- Researchers will use a broader application landscape of which the ELN may be part (for the disciplines concerned).
- One ELN will not fit all disciplines fully. Establishing which disciplines can share the same ELN is part of the project.
- Clear faculty and institutional policies are required for active ELN-usage (and related research tooling).
- The new ELN should at least serve the current users, although expanding to new user groups/disciplines is welcomed.
- Aim/ambition is a broad, all-round ELN-environment for multiple disciplines, that is easy to use and helps to comply with the FAIR principles.

ELN tender process roadmap

The contract for the current ELN will end on the 31st Dec 2022 so we have to deal with strict time constraints. A dedicate Project manager has been hired to manage the process according to the schedule below:

Phase	ELN tender phase name	January	February	March	April	May	June	July	August	September	October	November	December
								Timeline					
1	Define Tender Project												
2	Establish Functional Requirements												
3	Prepare call for tender (functional,technical,procurement)												
4	Tender published												
5	Q&A from/to Suppliers/Wait for Proposals from Suppliers												
6	Select Supplier & Solution												
7	Contracting												
8	Transition & Data migration												

We are currently in *phase 5*. Over 10 Suppliers have shown interest in our offer. We are currently answering any question these Companies might have on our requirements and specifications.

Phase 1: Define Tender Project

In this phase it has been defined the scope of the Project and the working team composed by representatives from the Faculty Bureau and 3 Institutes (IBL, LACDR, LIC). The representative staff has been chosen by the Institutes' Management.

Phase 2: Establish Functional Requirements

4 distinct work sessions have been organized with the key users. Every session had the objective to discuss and identify the functional requirements.

- work session 1: data management (storage, versioning, tags); protocols, templates, workflows; accessibility and usability in/out the lab; Inventory management
- work session 2: usability; search; reporting
- work session 3: advanced search (chemical search); sample and equipment management. We also looked at which "new" products the market offers

- work session 4: user types and space needed, group sizing; how to boost the usage of the ELN

Phase 3: Prepare call for Tender

All the requirements -functional and non-functional- have been collected and reviewed; an official document has been prepared and distributed to the Procurement department.

Phase 4: Tender published

The official documentation has been published on the Negometrix tender platform.

Contact us **if you need further information**

Current ELN status

ELN Training

The last training will take place on 21st June 2022. Registration can be submitted from the ELN Portal.

ELN Change Management

Due to the end-of-life of our current ELN, the Change management activities will end and no further customizations will be initiated in the current ELN.

ELN Support

The support on the current ELN carries on until the end of the year.

Requests, issues and others can be reported via the ELN Portal:

Research & Education

Data storage (bulk storage)

Storage space on the Leiden University network for project or research data

Research network

Virtual network for research purposes

Single user compute power on demand(...

A remote desktop with specific application(s) and additional processor capacity

Leiden University App

Technical support for the Leiden University App

Blackboard

The heart of our digital learning environment

SURFspot

Software and hardware with education pricing

ELN (FWN)

Record research progress and data securely with Electronic Laboratory Notebook

File Transfer (SURF filesender)

Safely send files up to 500 GB, also encrypted (2 GB)

What happens with the data in the current ELN?

All the data are stored in an Oracle database which is backed up every day. All the data can be exported and saved for future references.

Perkin Elmer will provide a procedure to export all the Experiments in XML or PDF format.

Depending on the new supplier the migration plan will be managed accordingly.

What's new?

ELN upgrade to 20.1

Together with ISSC, we are working to upgrade ELN to the latest release.
The upgrade guarantees the fix of bugs and the compatibility with the latest software.
The ELN system is moved to the onsite Cloud (LUCI).

FWN Data Steward

Dr. Alessa Gambardella joined the Faculty of Science as a data steward in 2022.

Alessa received her PhD in analytical chemistry from The University of North Carolina at Chapel Hill in 2013 with a focus in electrochemistry and nanoscience under Professor Royce W. Murray. She followed this with a postdoctoral fellowship at the Getty Conservation Institute in Los Angeles, where she turned her scientific research toward supporting the conservation of cultural heritage. Prior to joining Leiden University, she also held scientific research positions within the field of cultural heritage in the Netherlands, at the Rijksmuseum Amsterdam and the Van Gogh Museum. During that time, she collaborated with the NMR Facility at the Faculty of Science for her research into the structure of ultramarine blue pigment using solid state NMR. Adjacent to her research, she has been an active advocate of improving data stewardship for research data, including through the implementation of the FAIR principles. She previously held an internship at the GO FAIR Foundation (GFF) in Leiden and will continue her affiliation with GFF in support of incorporating the FAIR principles into the research data lifecycle at the Faculty of Science.

As a data steward, she intends to help make caring for research data beneficial for researchers and a daily part of a researcher's repertoire that is as exciting as doing research itself because of the implications it can have for unforeseen pioneering research discoveries.

General Information

Contact

Email to eln-bioscience@science.leidenuniv.nl
Website: www.universiteitleiden.nl/eln

Events

See Training Schedule

Curious?

Several **ELN tutorials** can be found on the Faculty's YouTube channel. The videos cover some of the basic ELN functionalities.

A Web User Guide is also available. Here you can find general information, examples, basic and advance functionalities etc.

Links

- [Nationaal plan Open Science](#)
- [Amsterdam Call for Action on Open Science](#)
- [NWO](#)
- [Regeling Datamanagement Universiteit Leiden](#)
- [University Library: Datamanagement](#)
- [FAIR principles](#)
- [List of metadata standards](#)
- (University Library) [Example list selection data to archive](#)
- (University Library) [Leiden Research Data Information Sheets](#)
- (University Library) [Template Data Management Plan](#)
- [PerkinElmer ELN](#)

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