Why bother with an Electronic Laboratory Notebook?

Do you know that....

ELN Trainings

What’s new

**Why bother with an Electronic Laboratory Notebook?**

Over time ELNs software have become more than simply a replacement for paper Notebooks. When you need to document your research work you need an advanced system to help you writing not only notes but to let you organize your SOPs, linking your experiments, describe samples and conditions of experiments, sharing and storing information for long time, reuse your or your colleagues’ data.

*How can an Electronic Laboratory Notebook help you?*
You can input your **data** and **metadata** - descriptive information about your data - in a user-friendly manner. Data are organized and structured in a single location. Templates make it easier to create and record data and metadata, in the long term you can maximize your efficiency.

Storing your data in a digital way inside an ELN make it easier to **search** for them. You can use keywords, chemical structures and other criterias to retrieve data related to your own research or the one of your colleagues.

ELN is password protected, **security** privileges are setup, data are backed up and stored for long time. ELN is compliant with GDPR and funding agencies requirements. Having data in a central repository will reduce the usage of USB keys, personal hard-drives, paper and glue usage.

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

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**Do you know that....**

**ELN has a Batch Explorer feature?**

With Batch Explorer, you can link and organize multiple experiments into one synthetic path. When you work on a multiple-step experiment, it is important to be able to associate these steps. With Batch Explorer, you can make links between the associated experiments, and view the entire synthetic path on one screen. In addition, you can click on each reaction in the synthetic path to view its predecessors and successors, and to insert or remove new reaction steps, as necessary.

As an example:
ELN can implement Autotext?

With the Auto Text feature, you can add pre-defined fragments of text to a field. This allows you to create the contents of a text field quickly.

As an example:

ELN has a 'Material and Preparation' template?

The Materials and Prep section lets you record materials and preparations used for a given experiment. This section contains two fields: Materials and Preparation. You record information about materials used in your experiment in the Materials field. You record preparations pertaining to this experiment in the Preparation field.
Contact us to start or to improve your journey into ELN

ELN Training

There is a regular schedule for the ELN training. You can choose for 'PI training' or 'User training'.

To register, please fill in the form available from the 'Research & Education' section in the HelpDesk Portal.

Due to the COVID-19 emergency the upcoming training will be held online using the MS Teams application.

There is no limit to the number of training's sessions you can receive therefore, if you feel that you need some extra guidance, just register for another one.

What's new?

ELN upgrade to 19.1

Together with ISSC we are working hard to prepare the upgrade to the latest ELN release. We aim to have it available during the Summer.

Many requests and bugs coming from the Science Faculty have been adressed in this release. That shows a good cooperation between us and Perkin Elmer.

ELN recent improvements

Users might come out with ideas or requirements. Upon evaluation and approval, the changes will be
applied to the ELN system after a testing phase. The latest changes include:

- **LIC-Liposome Preparation experiment**: this experiment has been developed following LIC/MCBIM team’s requirements. If you would like to have further information please see the README or send an email to eln-bioscience@science.leidenuniv.nl

- **LACDR-DDS Cancer&Safety experiment**: based on the requirements of LACDR/DDS2 (toxicology) dept., a new experiment type has been developed. With this experiment type we also created a link between ELN and OMERO (software and repository for Microscopy images). If you would like to have further information please see the README or send an email to eln-bioscience@science.leidenuniv.nl

- **Publication Support Dataset**: this template has been developed to link Publications and experiments used to create the Publication itself. It follows the TUDelf Best Practice and the suggestions coming from LACDR/DDS4 team. If you would like to have further information please see the README or send an email to eln-bioscience@science.leidenuniv.nl

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**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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