



Universiteit
Leiden

Electronic Laboratory Notebook (ELN) Newsletter

*ELN Newsletter - Faculty of Science
Number 6 - December 2020*

[Electronic Laboratory Notebook \(ELN\) and Covid-19](#)

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Electronic Laboratory Notebook (ELN) and Covid-19?

Throughout this difficult period, the importance of finding, accessing and sharing data and information with colleagues became apparent. Since the original setup, ELN has always been available and accessible via a dedicated Citrix system. Anyone with an active account has been able to carry on their activities in the ELN.

Having in place digital Notebooks and Experimental information enhances the usability and interoperability of the data.

One of our LIC's colleague speaks about ELN:

"What I like the most about ELN is that I can organize experiments on topic instead of only chronologically on paper. In that way I have all the relevant experiments together even when there is a lot of time between them. This helps me to get a better overview of my data. "

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



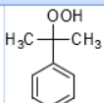

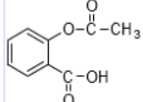
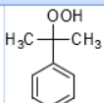

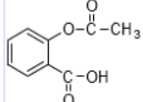
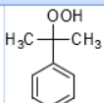

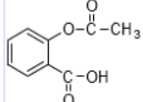
Do you know that....

ELN has a Reaction and a Product Table of Contents?

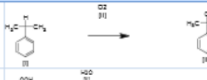
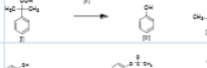
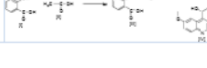
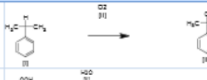
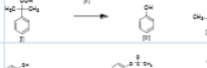
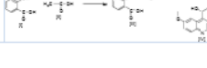
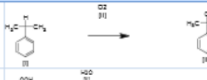
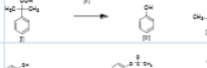
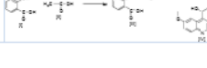
All ELN Notebooks have a Table of Contents (TOC). The **Table of Contents** is a read-only table that displays information related to the experiments created within a selected notebook. The Table of Contents includes: Notebook-ExpID, Owner, Type, Experiment Title, Status, Created Date, and Modified Date.

Notebook-ExpID	Owner	Type	Experiment Title	Status	Created Date
kk-notebook-01-001	kristine	Basic Experiment	Experiment A	Open	7/12/2013
kk-notebook-01-002	kristine	Basic Experiment	Experiment B	Open	7/12/2013
kk-notebook-01-003	kristine	Process Chemistry	Process Chemistry A	Open	7/12/2013
kk-notebook-01-004	kristine	Discovery Biology	Discovery Biology A	Open	7/12/2013
kk-notebook-01-005	kristine	Process Chemistry	Process Chemistry...	Open	7/12/2013
kk-notebook-01-006	kristine	Basic Experiment	MS PowerPoint Pre...	Open	7/18/2013

The **Product Table of Contents** is a read-only table that displays the products structures for each experiment within the selected Notebook. This information includes, the experiment's ID, the experiment's status, the creation date, modification and transition's dates, the experiment's title and the product's yield as it relates to each experiment.

Navigation	Table of Contents	Product Table of Contents																				
Quick Links kristine kristine User Configuration Offline kk-notebook-01 kk-notebook-01-001 kk-notebook-01-002 kk-notebook-01-003 kk-notebook-01-004 kk-notebook-01-005 kk-notebook-01-006	<table border="1"> <thead> <tr> <th>Notebook-ExpID</th> <th>Product</th> <th>Yield</th> <th>Owner</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>kk-notebook-01-003</td> <td></td> <td>n/a</td> <td>kristine</td> <td>Process Chemistry</td> </tr> <tr> <td>kk-notebook-01-005</td> <td></td> <td>n/a</td> <td>kristine</td> <td>Process Chemistry</td> </tr> <tr> <td>kk-notebook-01-005</td> <td></td> <td>n/a</td> <td>kristine</td> <td>Process Chemistry</td> </tr> </tbody> </table>	Notebook-ExpID	Product	Yield	Owner	Type	kk-notebook-01-003		n/a	kristine	Process Chemistry	kk-notebook-01-005		n/a	kristine	Process Chemistry	kk-notebook-01-005		n/a	kristine	Process Chemistry	
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kk-notebook-01-005		n/a	kristine	Process Chemistry																		
kk-notebook-01-005		n/a	kristine	Process Chemistry																		

The **Reaction Table of Contents** is a read-only table that displays the reactions for each experiment within the selected Notebook, along with the experiment's ID, the experiment's status, the creation date, modification and transition's dates, the experiment's title and the product's yield as it relates to each experiment.

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ELN helps you to manage your Projects?

Projects are an important way for scientists to organize information and collaborate. ELN provides a shared space where Projects are defined with metadata and descriptions. Additionally, files, email, and references can be captured at the project level and apply to the entire project, rather than just a single experiment. The Project entity contains (3) folders by default. They are:

- Internal Reports
- Minute of the Meeting
- Publications

extra folders can be added according needs.

Navigation

Quick Links

Search

Projects

SOPs

Batch Explorer

Test Release Notes

delabiancial_profile

General Announcements

Projects

Projects

Project

Test

Internal Reports

Publications

Meeting Minutes

Staff details

Inventory used

Table of Contents

Name	Status	Project Number	Lead	Start Date	End Date	Business Group	Created	Modified
Project	Open						26-sep-2016 13:19:...	28-sep-2016 10:21:54
Test	Re-Open						28-sep-2016 16:27:...	31-mei-2017 9:45:44

Extra Folders can be added

Project Folder

New

Experiments created on behalf of a project can be associated directly with this project.

Sections can be added

Project Metadata

Project Plan

Project Start Date

Project End Date

Project Lead

Alias

Business

Business Group

Project Description

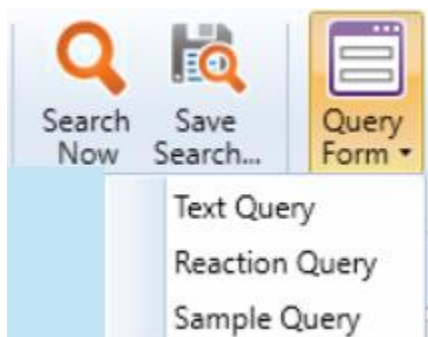
Contents

Name	Title	Location	Type	User	Created	Modified
Untitled Notebook-001			LDB basic exp defa...	delabiancial	30-mei-2017 16:31:...	31-mei-2017 9:35:36
Demo Notebook-001	test		Basic Experiment	detollenaerfjg	29-sep-2016 12:52:...	14-mrt-2017 15:16:05
Notebook 2.0-001	experiment 1.0		Basic Experiment	delabiancial	11-jul-2017 13:23:24	11-jul-2017 13:28:25
test DNA construct	dna1		DNA construct	delabiancial	11-mei-2017 11:43:...	15-mei-2017 11:21:36
Test-009	Experiment 1.0		Basic Experiment	delabiancial	16-mei-2017 18:09:...	04-jul-2017 11:57:45
Untitled Notebook-00	basic experiment 1		Basic Experiment	delabiancial	08-jun-2017 11:59:...	08-jun-2017 16:24:51

Experiments related to this Project

ELN allows different Search types?

You can search for information in ELN that meets the criteria you specify. You can then save your queries and the results. There are three types of search queries you can perform in ELN: Text Query Search, Reaction Query Search and Sample Query Search.



Text Query: in its form you can define your search criteria by including, or excluding, certain words or phrases. You can enter few Metadata to further narrow your search. Wildcard search (*) is supported.

Reaction Query: its form contains several fields that let you specify text criteria, or criteria that corresponds to the contents of the reaction sections: chemical structures, reactants, products, solvents, preparations, and reaction conditions.

Sample Query: its form contains several fields that let you specify text criteria, or criteria that corresponds to the RD (Research&Development) samples that you are looking for.

Contact us to start or to improve your journey into ELN









ELN Support

The support is given via [email](#) or using MSTEams.

Requests, issues and others can be reported via the [ELN Portal](#):

HOME > RESEARCH & EDUCATION

Research & Education

 <p>Data storage (bulk storage) Storage space on the Leiden University network for project or research data</p>	 <p>Research network Virtual network for research purposes</p>
 <p>Single user compute power on demand(...) A remote desktop with specific application(s) and additional processor capacity</p>	 <p>Leiden University App Technical support for the Leiden University App</p>
 <p>Blackboard The heart of our digital learning environment</p>	 <p>SURFspot Software and hardware with education pricing</p>
 <p>ELN (FWN) Record research progress and data securely with Electronic Laboratory Notebook</p>	 <p>File Transfer (SURF filesender) Safely send files up to 500 GB, also encrypted (2 GB)</p>

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, during the Summer ELN has been upgraded to release 19.1.0. Many requests and bugs coming from the Science Faculty have been addressed in this release. That shows a good cooperation between us and Perkin Elmer.

In conjunction with the upgrade, many users upgraded to MSOffice365 and experienced some issues. The problem has now been fixed and a new ELN client package has been distributed in the Software Center. The fix is applied automatically.

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:

- **[LACDR/DDS/Compounds workflow](#)**: this workflow has been developed following one of the LACDR/DDS departments' requirements. The aim of this workflow is to link compounds to the chemistry experiment where the same has been produced and to the BioAssay experiments where the compounds have been used. The final result is a compound report that collects metadata and links to experiments. If you would like to have further information please see the [README](#) or send an email to eln-bioscience@science.leidenuniv.nl

- **LACDR-In Vitro AB experiment**: based on the requirements of LACDR/SBP C. van Hasselt team, a new experiment type has been developed. 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**: every Project generates one or more Publications (Articles, Thesis, Posters etc.). This template has been developed to link Publications and experiments. 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

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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Contact

eln-bioscience@science.leidenuniv.nl