Electronic Laboratory Notebook (ELN) Newsletter

ELN Newsletter - Faculty of Science
Number 3 - June 2019

Introduction

Welcome to the third ELN Newsletter. Substantial progress has been made over the last months in collaboration with a number of teams.

Researchers who started to use and work regularly with ELN are happy and enjoying the time saved compared to the usage of paper Notebooks.

There are still few open points that will be addressed in the coming months.

If you have any question, doubts, requests don't hesitate to contact me via email/phone or just dropping by my office.

My contact details are:

Office Location : LMUY 03.03

Tel : +31 71 527 4939

E-mail : l.dellabiancia@science.leidenuniv.nl

ELN has now an informational page on the Staff website. Login to your Staff website then follow this path:

Medewerkerswebsite -> ICT -> ICT en onderzoek -> Onderzoeksdata -> Datamanagement   (Dutch page)

Staff website -> ICT -> IT and research -> Research data -> Datamanagement (English page)

Availability:

I am available to come around and sit in your area for half/full day or just few hours. I can give support, answers questions, give suggestions and get

your requirements. Pick a suitable day then let's arrange an 'ELN support day'.

Best regards

Leyla Dellabiancia

Research Data Management

Current Status

ELN Trainings

What's new

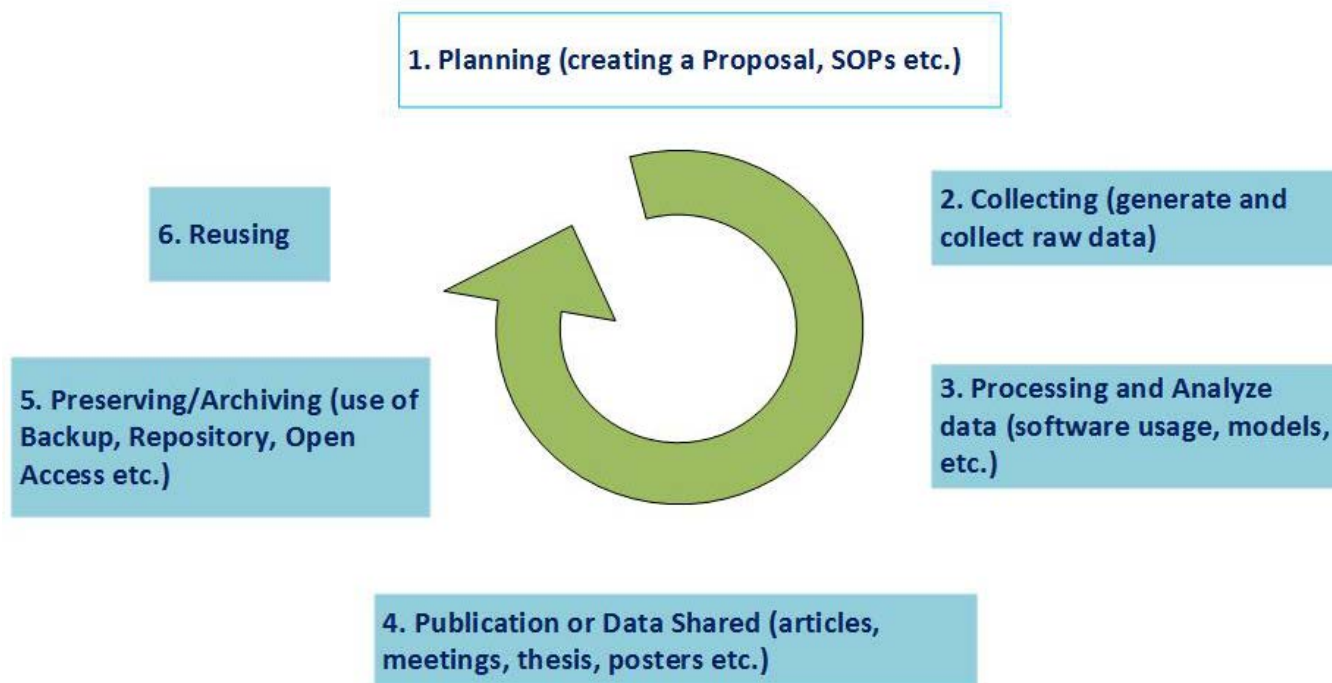# *Research Data Management*

Research Data Management is part of the research process with the aim to make the process as efficient as possible, meet expectations and requirements of the University, research funders, and legislation.In general Research Data Management concerns the organisation of data from its entry in the research cycle through the publication and archiving of valuable results.

It concerns how you:

- create data and plan to use it
- organise, structure, and name data
- keep data (are data secure? are data accessible? are data backed up? are data stored somewhere?)
- find data and share them with colleagues or with the external world

Research Data life cycle

1. Planning (creating a Proposal, SOPs etc.)

6. Reusing

2. Collecting (generate and collect raw data)

5. Preserving/Archiving (use of Backup, Repository, Open Access etc.)

3. Processing and Analyze data (software usage, models, etc.)

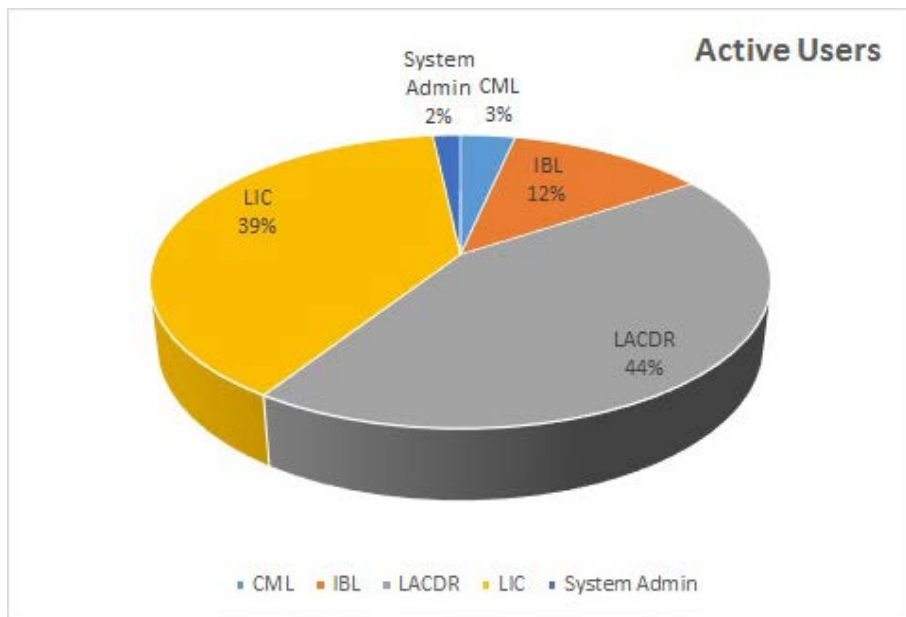**4. Publication or Data Shared (articles, meetings, thesis, posters etc.)**

ELN can support steps 2 to 6 of the data life cycle: you can collect and upload your data (raw or processed), in some cases process and analyse them. Data can be shared easily with your colleagues inside ELN or outside as you can generate MSWord or PDF files out of your experiments. ELN is a database application that has a regular backup and data cannot be deleted therefore history over your data is enabled and I.P. protection is permitted. Data can be reused inside ELN by you or colleagues. When exported - generating XML or MSOffice and PDF files - data can be stored and shared externally.

Current Status

General:

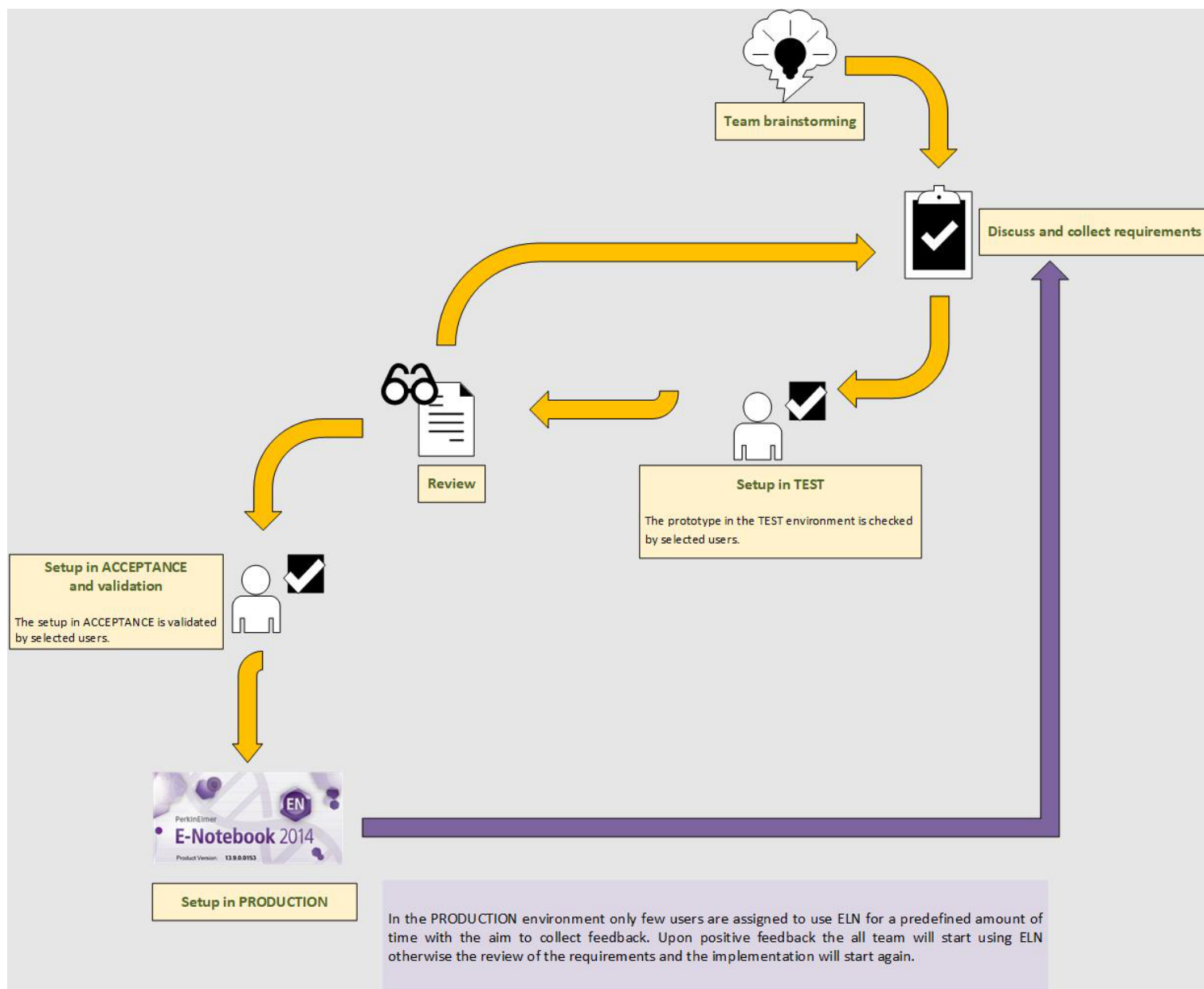Currently there are 235 active users in the system.

Over the past months Users that never connected to the system have been disabled. That allows to monitor the number of licenses required to be purchased and supported by the Faculty. Users who have been deactivated can request the re-activation of their account by sending an email to eln-bioscience@science.leidenuniv.nl.

Implementation of ELN:

Over the past years I have been working with people from different Institutes and Departments. With all of them the workflow below had been adopted for the custom ELN implementation:

If you would like to setup some customizations inside ELN, send an email to eln-bioscience@science.leidenuniv.nl

ELN Training

There is a regular schedule for ELN. See below for a complete overview of the upcoming schedule until December 2019:

Date	Time	Building	Room	Training Name
18-jun-19	10.00-12.00	GORLB	EM1.19	ELN Users' Training
20-jun-19	10.00-12.00	GORLB	EM1.17	ELN PIs' Training
16-jul-19	10.00-12.00	GORLB	EM1.17	ELN Users' Training
13-aug-19	10.00-12.00	GORLB	EM1.17	ELN Users' Training
15-aug-19	10.00-12.00	GORLB	EM1.21	ELN PI training
10-sep-19	10.00-12.00	GORLB	EM1.17	ELN Users' Training
15-oct-2019	10.00-12.00	GORLB	EM1.17	ELN Users' Training
17-oct-2019	10.00-12.00	GORLB	EM1.21	ELN PI training
12-nov-19	10.00-12.00	GORLB	EM1.17	ELN Users' Training
10-dec-19	10.00-12.00	GORLB	EM1.17	ELN Users' Training
12-dec-19	10.00-12.00	GORLB	EM1.21	ELN PI training

To subscribe to the ELN training send an email to _eln-bioscience@science.leidenuniv.nl_ with the following information:

- Full Name
- Department/Section/Main PI research group
- ULCN username
- Date chosen for the training

There is no limit to the number of training to follow therefore, if you feel that you need some 'refresh', just register for another session.

What's new?

Customizations available

- In collaboration with colleagues from LIC/MACBIO , few generic templates have been developed and made available for every user within the LIC Institute. These templates are created to record experimental data for different kind of analysis and methods (AKTA, PCR, BA Labelling, Bridging Assay, Crystallization Plates, Culture Growth, Gel imaging, NMR)
- In collaboration with one of the Computational teams in LACDR, a new experiment has been developed and deployed with the aim to track metadata (software, version, system) related to computational experiments. In addition a repository of computational compounds has been made available where metadata can be added manually or imported from an XML based file.
- In collaboration with colleagues from LIC/CASC, 2 new experiment types have been developed (LIC-Synthesis and LIC-Electrochemistry).
- Custom Menus to separate default ELN items (Notebooks, Experiments, Folders etc.) from custom-made ones.

ELN users can find the details and the description in the ELN 'Home Page' inside the READMEs box

non-ELN users can request the details and the description to _eln-bioscience@science.leidenuniv.nl_

Work in progress

- Top Desk ELN Portal in collaboration with ISSC will be available from September 1st , 2019.

- With one of the DDS team in LACDR we are working on a workflow setup inside ELN: from Chemistry experiments to LUF/GIFT compounds to Bio-Assay experiments. Publications' records can be created to track not only details about the Publication itself but also to link experiments, Notebooks, compounds etc. used in the publication itself. Testing is ongoing.

General Information

Contact

Email to eln-bioscience@science.leidenuniv.nl

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

Contact
eln-bioscience@science.leidenuniv.nl