

eLabBook activity: Final Workshop on Research Integrity and Data Documentation

Aarhus University, April 13, 2018

Program

11.15 – 11.30	Welcome / eLabBook activity: Christian Storm Pedersen, BiRC, AU
11.30 – 11.55	Research integrity: Kristian Hvidtfeldt Nielsen, Science Studies, AU
11.55 – 12.20:	Research data documentation in industry: Morten Meldgaard, Chr. Hansen A/S
12.20 – 13.00	Lunch / Sandwiches / Networking
13.00 - 14.00	Three presentations about our experiences with three types of ELNs Confluence (AU): Ebbe Sloth-Andersen, iNANO, AU LabGuru (KU): Michael Lisby, Department of Biology, KU Biovia (DTU): Anders E. Daugaard, DTU Chemical Engineering, DTU
14.00 – 14-30	Concluding remarks / Coffee and Cake / Networking

eLabBook activity 2016-2018

An activity in the frame of the **National Data Management forum (DM forum)**, where research groups from KU, AU and DTU have tested different Electronic Lab Notebooks (ELNs) to evaluate how these systems can adapt to their research workflows and facilitate data documentation and sharing.



KU: Michael Lisby, Vibe H. Østergaard

AU: Christian Nørgaard Storm Pedersen, Ebbe Sloth Andersen, Peter Jensen

DTU: Paula Martinez Lavanchy, Anders Egede Daugaard, Karin Petersen, Mikkel Tranemose Christensen, Jixin Qiao, Sven Poul Nielsen

The groups represent a diverse range of scientific areas ranging from Archeology to Physics, Nanoscience, Bioscience, and Bioinformatics

https://www.deic.dk/datamanagement/DM_forum

eLabBook activity 2016-2018

During the project, **ELNs have been implemented** at the participating groups, and **guidelines** and **best-practices** for the deployment and use of ELNs have been gathered. Experiences so far have been presented at two workshops at DTU in June 2016 and March 2017. Today is the final workshop in our activity.



ELNs have many roles:

- Keeping track of, and sharing, **documentation of procedures and results** in an experimental science with “traditional” lab work.
- Keeping track of, and sharing, **source code and documentation** in a computational science, where the “lab” is a computer.
- Keeping track of, and being able to **reproduce a data analysis** by tying together documentation and code in an “executable document”, and more generally, management of computational workflows.

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