Open Data at Lund University

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The Open Science landscape

• Taking form in many countries
• Driven by funding agencies and government
• Backbone of climate research, biobanks, public registry and statistics
• Huge variation in awareness from researchers
• Research leaders have different picture of status, requirements, needs of researchers
• Stimulate existing activities, set goals by policies and action
Research results achieve full value when communicated.

New science with old data.

Research data management is an integral part of the research process.
I forskningspropositionen (Prop 2016/17:50) slår regeringen fast att

- öppen tillgång utgör normen och att inskränkningar i öppenheten utgör undantagen
- omställning till öppen tillgång till forskningsresultat inklusive vetenskapliga publikationer, konstnärliga verk och forskningsdata bör vara genomförd fullt ut senast inom tio år.
- Det är ett gemensamt ansvar för alla aktörer i forskningssystemet, t.ex. lärosäten och forskningsfinansiärer, att verka för att målbilden uppfylls
- Vetenskapsrådet och Kungliga Biblioteket bör ges ett nationellt samordningsansvar för fortsatt arbete rörande öppen tillgång till forskningsdata och forskningspublikationer.

I universitets nya strategi 2017-2026 (DNR STYR 2015/1048) finns formuleringen:

"Forskningsresultaten ska vara öppet tillgängliga"

"All forskningsdata som, helt eller delvis, tas fram med offentliga medel görs öppet tillgängliga så snart det är möjligt. Målbilden omfattar forskningsdata som är ett resultat av offentligt finansierad forskning.”
Horizon 2020 forskningsdata pilot

PROJECTS MUST HAVE

DATA MANAGEMENT PLAN (DMP)

Provides information on:

- the data the research will generate
- how to ensure its curation, preservation and sustainability
- what parts of that data will be open (and how)

Data management costs are fully eligible for funding

No repository imposed: deposit data where you want
Sharing of research data requires planning, organization, technology, engagement with researchers and communication.

- research data policy
- appropriate infrastructures
- develop routines and practice
- Communication!!
- training and skills
- & more
Open Data in Lund... a short history

- Report on faculties research data 2015 (M Johnsson/M Lassi)
  - numerous other studies and reports
- Research data working group created in 2016
- Policy for research data for consultation 2018
- Revision for implementation winter 2018-19
- Metadata
  - SND – Domain specialists in three areas: materials science, registry data, climate
  - support for research data
- Long term storage: many local solutions today, no coordination
- GDPR and research data: implementation and consequences
- Safe and secure treatment of information
- Archiving research data
Lund University & open data?

• After many studies, reports and discussion…

• Imminent launch of **open science task force**
  • support researchers at LU who need advice, tools, data storage, training, information

• **Research data policy** close to approval
  • In order for data to be reusable, it must be usable!

• **Platform for communication and coordination** for research data management under establishment

• Rewards and merits for open science must be developed
Research data policy

Research data at Lund University should be open by default, at the latest in conjunction with publication of the result if this is not restricted due to legal or ethical constraints.

Access to research data should be open in order to validate data and support the researchers' methods and results, and to be reused in other studies.

Research data within Lund University should follow the internationally accepted FAIR principles.

Research data is defined as recorded or collected material commonly retained by and accepted in the scientific community as necessary to validate research findings; although the majority of such data is created in digital format, all research data is included irrespective of the format in which it is created. It encompasses a broad spectrum of different types of information including metadata which can be structured and stored in different formats.

Exceptions to the principle on open access should be considered for:

- Commercial information, business secrets, data which must be confidential until publication or information which is protected according to law.
- Sensitive data including medical records which are regulated by Swedish or European data protection law.

Lund University will work in the regional, national and international context to develop incentives and rewards for open research data activities that are relevant for career development and research evaluation.
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