

# OPEN ACCESS TO RESEARCH DATA

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# TODAY'S TOPICS

**Open access, and research data**

**What is research data and why is it important to archive and/or make it accessible?**

**Who owns research data?**

**Ethics/ Level of access**

**What is SND?**

**What are Data management plans?**

**Guide to data management**

# OPEN ACCESS (OA)

...means that research results are published in digital form, available online, free of charge for the reader and free from most of the copyright and licensing restrictions.



# RESEARCH DATA IN H2020

- Refers to information, in **particular facts or numbers**, collected to be examined and considered as **a basis for reasoning, discussion, or calculation**.
- In a research context, examples of data include **statistics, results of experiments, measurements, observations resulting from fieldwork, survey results, interview recordings and images**. The focus is on research data that **is available in digital form**.
- Users can normally **access, mine, exploit, reproduce and disseminate openly accessible research data free of charge**.

Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020

<https://ec.europa.eu/research/participants/data/ref/h2020/g-rants-manual/hi/oa-pilot/h2020-hi-oa-pilot-guide-en.pdf>



# IS RESEARCH DATA MANAGEMENT IMPORTANT? WHY?

- Effective use of data & time
- Possible research merit (citability)
- Lost data (researcher move, technical solutions age, data life span, readability)
- Preservation
- Research funders
- Validity of research
- Future research
- Publicly funded research/Democracy & transparency

# EXAMPLE OF DATA CITATION FROM PLOS

10.1371/journal.pone.0213718

RESEARCH ARTICLE

## The Willingness to Pay for Vaccination against Tick-Borne Encephalitis and Implications for Public Health Policy: Evidence from Sweden

Daniel Blunze

Published: December 7, 2018 • <http://dx.doi.org/10.1371/journal.pone.0213718>

Article	Authors	Metrics	Comments	Related Content
3	1	507	3	

**Abstract**

**Introduction**

**Methodology**

**Results**

**Discussion**

**Supporting Information**

**Acknowledgments**

**Author Contributions**

**References**

**Reader Comments (0)**

**Media Coverage (0)**

**Figures**

**Figures**

**Citation:** Blunze D (2018) The Willingness to Pay for Vaccination against Tick-Borne Encephalitis and Implications for Public Health Policy: Evidence from Sweden. *PLoS ONE* 13(12): e0213718. doi:10.1371/journal.pone.0213718

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**Data Availability:** The dataset is available via Swedish National Data Service: <http://snd.gu.se/sv/catalogue/study/SND0987>, the dataset has doi:10.5878/002744.

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**Funding:** Support was provided by the University of Gothenburg, Centre for Environment



# OWNER OF DATA

- Under current legislation, research data from Swedish universities are official documents. The university at which a dataset is created is the owner of that dataset, legally obliged to see to its archival, and responsible for providing access to it under the Freedom of the Press Act (1949:105) and the Public Access and Secrecy Act (2009:400). Any responsibility for providing access to research data would thus fall on the universities.
- H2020 - nearly one project in five agreed to publish its data in an open repository, and from 2017 all H2020 calls will require data management plans as compulsory deliverables in all projects for which they are relevant.
- Relation between universities and business?



# ETHICS - PERSONAL DATA ACT (PUL 1998:204)

- Personal data is all kinds of information which is directly or indirectly connected to a natural person who is alive.
- Regulates how personal data is allowed to be processed in research.
- Anonymized data is not covered by PDA. To anonymize data all possibilities to identify a person are processed so that data no longer can be connected to a natural person alive. All code and encryption keys must be destroyed.
- **Data archiving is still possible.**





# RESEARCH DATA

To archive and/or available:

- Data connected to a scientific publication
- Data commonly accepted in the scientific community as necessary to validate research findings.

Does not cover: laboratory notebooks, preliminary analyses, drafts of scientific papers, plans for future research, peer reviews, personal communications or physical objects (according to OECD)



# SND

## Svensk nationell datatjänst/Swedish national data service

- Receive data for archiving (only a copy, original should be archived at the university)
- Make data available
- Offer support to researchers/universities



# LEVELS OF ACCESS - SND

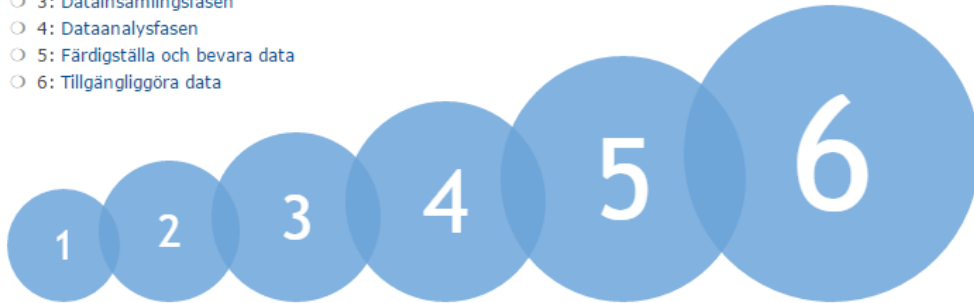
- 1) **Made available without contact between the owner & SND**
  - a) free without registering
  - b) free for registered
  - c) free on order
  
- 2) **Data can be made available if owner has been contacted**
  - a) permission is required on specific conditions (e.g. requests from students)
  - b) permission is always required from owner
  
- 3) **Only meta data descriptions are available at SND, actual data is deposited somewhere else**
  - a) study is not available from SND, can be downloaded via external site (e.g. project site)
  - b) no data is available. Contact corresponding researcher

# DATA MANAGEMENT PLAN

1. Administrative tasks
2. Collecting of data
3. Documentation and metadata
4. Legal and ethical questions
5. Management of data during research project
6. Archiving and preservation
7. Availability
8. Costs

# WEB GUIDE TO DATA MANAGEMENT PLANS

- 1: Datahanteringsplan
- 2: Projektstart
- 3: Datainsamlingsfasen
- 4: Dataanalysfasen
- 5: Färdigställa och bevara data
- 6: Tillgängliggöra data



<https://snd.gu.se/sv/forskarsupport/datahantering>

<https://snd.gu.se/sv/forskarsupport/datahantering/datahanteringsplan/checklista-datahanteringsplan>

# TOOLS: DMPONLINE

## My plan (DCC Template)

Plan details	Generic DMP	Share	Export
Data Collection	(2 questions, 0 answered)		
Documentation and Metadata	(1 question, 0 answered)		
Ethics and Legal Compliance	(2 questions, 0 answered)		
Storage and Backup	(2 questions, 0 answered)		
Selection and Preservation	(2 questions, 0 answered)		
Data Sharing	(2 questions, 0 answered)		
Responsibilities and Resources	(2 questions, 0 answered)		

Plan details | **Generic DMP** | Share | Export

Data Collection (2 questions, 0 answered)

Documentation and Metadata (1 question, 0 answered)

What documentation and metadata will accompany the data?

B / [bulleted list] [numbered list] [link] [unlink]

Save

Not answered yet

Guidance | Share note

- DCC Guidance
- DCC guidance on Metadata
- DCC guidance on Documentation

<https://dmponline.dcc.ac.uk/>

# HAPPENING AT UB

- Analyse survey results, and arrange focus group discussions with researchers
- Education for librarians (possibly others)
- Take steps for collaboration between The Archive, IT, GIO, The Library
- DiVA consortium developing metadata schemas for research data
- Preliminary collaboration with SND and other universities in Sweden
- Waiting for Research Proposition (& university management to assign responsibility)



# THANK YOU

For more information contact [biblioteket@hb.se](mailto:biblioteket@hb.se)

