Creating Trust by Workflows - SODHA

JOHAN VAN DER EYCKEN

Digitisation of our society

• Імраст

- Communication and social contacts
- Way we work and learn
- Participation in politics and the economy

CHALLENGES

- Changing the role of humanity in the digital society
- Recognising truth in a deluge of information
- Data storage and management
- Access to information
- **NEW CONCEPTS**
 - Dataspaces
 - Trust

Why use a data repository?

A data repository is a central location for data used for managing, sharing, and analyzing information. It provides:

- **1**. Centralization of Data
- 2. Accessibility
- 3. Security
- 4. Consistency and Integrity
- 5. Efficiency in Data Analysis

- 6. Scalability
- 7. Compliance and Audit Trails
- 8. Reusability of Data
- 9. Support for Collaboration

SOCIAL SCIENCES AND DIGITAL HUMANITIES ARCHIVE

New Belgian repository !

WHAT IS SODHA?

The Social Sciences and Digital Humanities Archive is a brand new digital archive, freely available for Belgian researchers active in the fields of social sciences and digital humanities. In light of the international trend towards opening up research results, SODHA offers Belgian researchers the opportunity to safely store and share the results of their work. Furthermore, the platform encourages and facilitates deposits in accordance with the FAIR-principles: findable, accessible, interoperable and reusable.

To researchers active in social sciences and digital humanities, SODHA offers an overview of available (open) research data in Belgium, as well as multiple options for data retention and for opening up their valuable datasets. Data stored in SODHA are safely backed up and preserved.

SODHA* is led by data experts from the State Archives of Belgium and financed by the Federal Science Policy Office (BELSPO). Research Groups DEMO (UCLouvain) and BRISPO (Vrije Universiteit Brussel) offer support for the further development of the archive.

*SODHA is the official Belgian representative in the Consortium of European Social Science Data Archives (CESSDA).

TRUST

- Repositories must earn the TRUST of the communities they intend to serve and demonstrate that they are reliable and capable of appropriately managing the data they hold (1).
 - **T**ransparency
 - **R**esponsibility
 - User focus
 - **S**ustainability
 - **T**echnology
- Deals with the question: why do people want to use a repository or not? Sometimes these choices are emotional... people are insufficiently informed, are afraid

TRUST

Linked to a number of other principles

- FAIR-data principles to improve the Findability, Accessibility, Interoperability, and Reusability of digital assets
- Open Archival Information System (OAIS)-reference model to set up an archive, consisting of an organization that has accepted the responsibility to preserve information long term and make it available for a designated community
- Certification (CoreTrustSeal, DIN31644/NESTOR7, and ISO163638) to assess and improve the quality of digital repositories

1. Transparency

TRUST is created by being as transparent as possible about the repository's policies

- Target audience
- Capabilities
- Mission
- Capacities
- Conditions
- Retention term of the data
- Additional services... (e.g. sensitive data)
- ...

This information should be published as clearly as possible

Scolha

What is the Social Sciences and Digital Humanities Archive?

NEW NATIONAL DATA ARCHIVE



SODHA is a disciplinary repository facilitating the findability, accessibility, interoperability and reuse of Belgian research data in the social sciences and digital humanities.

کے

FREE ONLINE DATA CATALOGUE

SODHA provides a single access point for a variety of datasets from different data providers. The online platform allows you to discover new data without cost.



SAFE AND EASY DATA PRESERVATION SODHA offers long-term, secure data storage by experts without cost, allowing researchers to easily follow their Data Management Plans and fulfil grant obligations.

FRE Wher SODF responder

FREEDOM FOR DATA DEPOSITORS When entrusting their research data in

SODHA, data depositors remain responsible for their data. Depositors are free to choose open or restricted access and have different data reuse options. Removing deposited data is possible.



LEGAL STANDARDS AND SUPPORT

SODHA archives the data in accordance with (inter)national law, standards and good practices. Institutional deposit agreements are possible.

SODHA		Add Data 👻	Search - SODHA G	Guide Sign Up Log In
Southa Social Sciences and Dig	ital Humanities Archive – SODHA	Hosted by the State Archives of	of Belgium	
Metrics 14,047 Downloads			×	Contact SODHA C Share
Welcome to SODHA <mark>, the Belgian fe</mark>	deral data archive for social scie	ences and the digital humanit	^{ties!} Mission	n
Here you can find and deposit social citable like other types of publication in the long term. Retention Spangethaudrence provide Archives of Belgium. SODHA was but You can consult the SODHA Guide Want to learn more about SODHA?	al science and digital humanities d s. SODHA promotes open data by n term ler in the Consortium of European uilt with the help of DEMO (UCLou here, and you can read our policie Consult our brochure or our preser	ata in reusa BOCT . Published y enabling reuse of research d Social Science Data Archives vain) and Interface Demograpi es here.	d datasets receive a ata and by safely pr (CESSDA) and is ho by (VUB).	DOI, making them reserving datasets isted by the State
If you have any question, you can co	ontact us at sodha@arch.be.			
	Collapse De	escription [-]		
State Archives of Belgium	BASS Belgian Archives for Social Sciences	KBR S Royal Library of Belgium	NICC-IN	cc
Search this dataverse	Q Advanced Search			+ Add Data
✓ 8 Dataverses (4) 1 t	o 10 of 141 Results			↓↑ Sort -

Example: SODHA (Social Sciences and Digital Humanites Archive)

WHY SODHA?

1. Ensure a safe deposit of your research data.

SODHA aims at long-term data storage. Uploading your data in SODHA prevents your valuable work of remaining unnoticed or getting lost. Therefore, SODHA can be of value when you are looking for sound data management. The repository has been developed to help you establish **a** data management plan. Such a carefully drafted plan is essential for efficient research and can be useful for future funding applications!

The main characteristics of your deposited datasets are clearly described in **the metadata** on SODHA. You are free to provide personal descriptions related to the metadata. SODHA stipulates limited mandatory fields, including your name, contact information, possible future publications related to the dataset and a short description of the data collection. Not 100 % sure about uploading the full dataset yet? SODHA also accepts 'uploads' of only metadata. This will help build an overview of data collection and expertise of Belgian researchers.

SODHA ensures a deposit according to the FAIR principles for scientific data management and stewardship: findable, accessible, interoperable and reusable. Other researchers can easily find your datasets via the SODHA website or via search engines. You choose how accessible, interoperable and reusable your data will be.

2. Facilitate the potential reuse of your research data.

Each dataset available through SODHA receives a **Digital Object Identifier**, more commonly known as a DOI, which makes simple and transparent references to your dataset possible. SODHA allows targeted searches to specific datasets using DOIs. Furthermore, the use of DOI is a good way to validate your data collection efforts. You -as the owner of the dataset- can be cited in publications that build on your deposited dataset.

8. Ensure international visibility for your work and build a network beyond your university!

Clearly, the metadata are made public on our own website. In addition, they will soon obtain international visibility through the **CESSDA international data catalogue** - the biggest data catalogue for the social sciences in the world.

CESSDA stands for: **Consortium of European Social Science Data Archives**. CESSDA brings together 22 social science data archives across Europe, with the aim of promoting the results of social science research and supporting national and international research and cooperation.

Available on: www.datacatalogue.cessda.eu



2. Responsibility

- Adhering to the designated community's metadata and curation standards (e.g. DDI, CESSDA Topic Classification)
- Providing stewardship of the data holdings e.g. technical validation, documentation, quality control, authenticity protection, and long-term persistence.
 - Quality control of (meta)data
- Data services
 - Platform
 - Institutional sub repository
 - ...
- Legal aspects
 - Intellectual rights
 - Sensitive information
 - Creative commons licences...

CHECKLIST for sharing your data



Certain types of research data are not (immediately) ready to be shared in open access. This checklist helps you identify data issues and choose the right access and use regime in SODHA.

□ NO personally identiable information

Make sure your data do not contain information which may (in)directly identify living natural persons. SODHA does not allow datasets with respondents' real names, addresses and other contact information. Doublecheck that respondents cannot be identified using a combination of variables (e.g. Job title: Mayor; Postcode: 1234). Confidential data (e.g. collected with a non-disclosure agreement) should not be deposited.

□ Sensitive data?

Does sharing your data have ethical and societal implications, e.g. with regard to harming vulnerable groups? Consider depositing your data under 'Restricted Access CC-BY' or 'Restricted Access - Scientific Purposes Only'.

Copyright and database rights?

Check if your data or data format (e.g. audiovisual data) have specific copyright or database rights. If so, ask permission from all rights owners.

□ Third-party data?

Does your dataset consist of or contain data supplied by a third party (e.g. government agency)? Check your data contract whether you have permission to share the data or excerpts of the data (e.g. general processed data tables). Consider depositing your data under 'Open Access - Scientific Purposes Only'; 'Restricted Access CC-BY' or 'Restricted Access - Scientific Purposes Only' to comply with the third party's restrictions.

Data with commercial/economic potential?

Do you want to pursue commercial or economic valorization with your data? If so, consider depositing your data under 'Restricted Access CC-BY' or 'Restricted Access - Scientific Purposes Only' and specify an embargo period (Terms section: Availability Status)

More questions? Contact



Choosing an access and reuse regime

When depositing data in SODHA



SODHA Guide

- Home
- 🜲 Prepare data

• Log in

Deposit data

? FAQ

- Grant access
- \bigcirc Find data
- $\mathbf{\nabla}$ Access and reuse
- Texts and policies
- d External resources

SODHA Platform - State Archives of Belgium -

Contact us



SODHA texts and policies

Contents

∃ Collapse

ENHANCED BY Google

- 1. Mission Statement
- 2. Terms of Service
- 3. Data Protection Statement
- 4. Privacy Policy
- 5. End-User License Agreement
- 6. Deposit Agreement
- 7. Access and Reuse Policy
- 8. Dataset Publishing Policy
- 9. File Formats Recommended by SODHA
- 10. Dataset Version Management Policy
- 11. Subrepository Management Policy

3. User focus

- Expectations
- Data practices of the community
- Evolvement with community expectations
- Enable community to find explore and understand data
- Encourage users to describe the data
- Enforcing communities' norms and standards
- Quality control of (meta)data

Why use the Social sciences and (Digital) Humanities Archive?

VALIDATION OF RESEARCH

All deposited datasets receive a digital object identifier, enhancing the visibility and citation of research(ers).

FREE BASIC SERVICES

SODHA is funded by Belgian Science Policy Office (BELSPO) and charges no costs for the finding, accessing and depositing data. Depositors can charge for the access and reuse of their datasets.

SAFE LONG-TERM **STORAGE**

Your deposited datasets will be stored long-term by expert archivists using state-of-the-art methods

ONLINE ACCESS

SODHA is always open. You

Belgian scientific institutions

can browse data from different





www.sodha.be



Learn from previous data collection efforts: reuse existing data in new ways; extend your scientific network; etc.

RESEARCH PRODUCTIVITY

A fast overview of the available datasets helps researchers avoid duplication of effort.

DMP & FUNDING

SODHA is useful for the creation of efficient Data Management Plans and the fulfilment of funding requirements.

24-7.

POINT



Br



FREE



Educators can use the open access data files to provide real-life examples for students.

RESEARCH CREATIVITY

Icons designed by Freepik and Flaticon



SODHA Guide

Home

🌲 Prepare data

🕶 Log in

Deposit data

- ? FAQ
- Grant access
- \bigcirc Find data
- $\mathbb Q$ Access and reuse
- Texts and policies
- 부 External resources

ENHANCED BY Google

Prepare data

Homepage

Are your data ready for deposit in their current state? Here we give you some advice on how to prepare your data deposit.

Log in

This page helps you log in to SODHA, either with your self-made user account or your institutional login.

Deposit data

This page runs you through the different steps through which you can deposit your data in SODHA, thus allowing for their safe, long-term preservation and their reuse by other researchers, who will be able to cite your work.

Grant access

This page explains how to grant (or deny) requests for data whose access you have limited upon deposit.

Find data

On this page you will find information about how to look for and download published data in SODHA.

FAQ

Frequently asked questions.

Texts and policies

This page recaps all the texts and policies that explain how SODHA works.

Access and reuse

This page helps you determine which access and reuse regime is best suited for the data you wish to deposit in SODHA.

External resources

This page lists external resources in research data management that can be generally helpful to researchers.

4. Sustainability

- Permanent access for current and future community
- Providing services over time
- Risk mitigation, business continuity, disaster recovery...
- Funding
- Governance for long time preservation

This last step is often the most difficult because many platforms are project-funded and can therefore run out of funds.

5. Technology

- A repository depends on the interaction of people, processes, and technologies
- Its activities are supported by software hardware, and technical services.

Technological capabilities

- Standards, tools and technologies for data management
- Plans and mechanisms to prevent, detect, and respond to cyber or physical security threats



Questions & Contact

- Dr. Johan Van der Eycken
- Johan.vandereycken@arch.be

