



The Road(map) for Open Science

- paving the way for local Open Science work
at Stockholm University

11th UNICA SCHOLARLY COMMUNICATION SEMINAR
Open Science and Academic Libraries:
Organizational Challenges in an Evolving Research Landscape
Hosted by the University of Ljubljana | 22-24 April 2024

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Stockholm University 2024-04-23



Stockholms
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Content

National guidelines

- National policy for Open Science
- Roadmap for Open Science
- Guide to implement the Roadmap for Open Science
- “Orienteringskartan” – a follow-up tool

Stockholm University

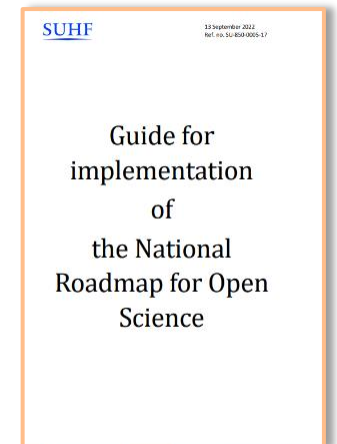
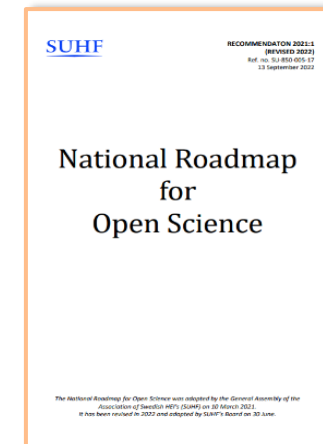
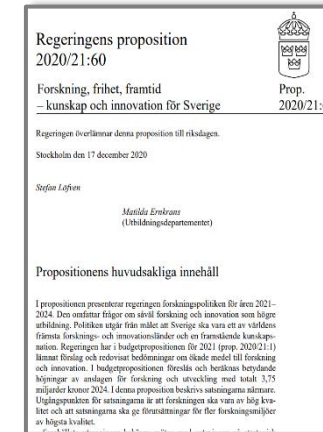
- Open Science strategies and organisation



Convert to an Open Science system by 2026

"...scholarly publications, that are the results of publicly funded research should be published with immediate open access as of 2021. As for research data, **the transition should be fully implemented by 2026...**" (2020)

- *National guidelines for Open Science (2024)*
- *Roadmap for Open Science (2021) & Guide for Implementation of the Roadmap for Open Science (2022)*
- Guiding principles and recommendations



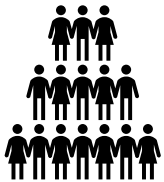
Swedish Association of Higher Education Institutions (SUHF)



38 HEI members



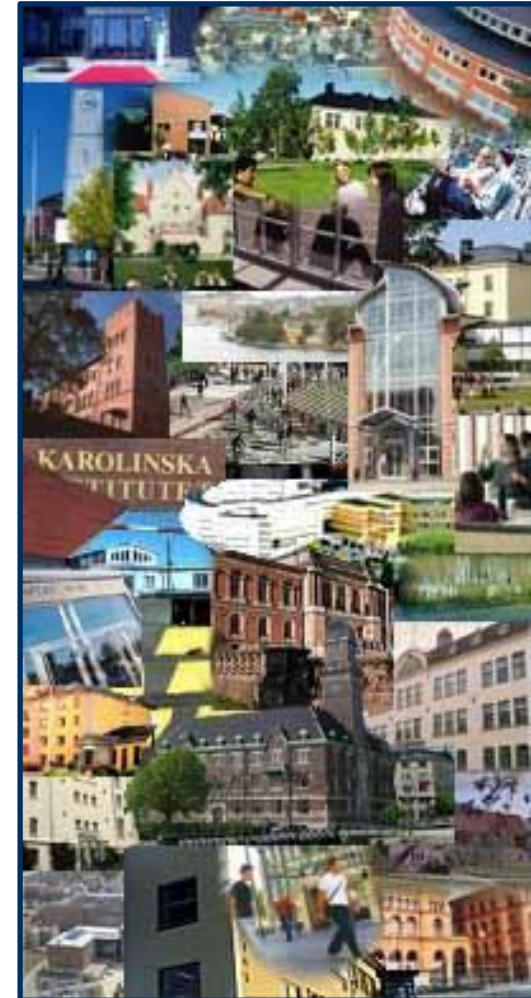
Working groups



Conferences and webinars



Recommendations



Roadmap for Open Science - 9 Recommendations

1. Framework for research and education environments
2. Provide services and support for the entire research process
3. A culture of sharing educational resources ^{New 2024}
4. Strive for FAIR research data and research results
5. Provide adequate and secure infrastructural services
6. Promote cooperation with other HEIs, infrastructures and funders
7. Promote and participate with international initiatives
8. Promote and develop incentive structures
9. Ensuring copyright vis-à-vis publishers

REC 2021: 1 (rev. in 2022 and 2024) *Abbreviated version*

Guide for Implementation of the Roadmap for Open Science

- A **complement** to the Roadmap for Open Science
- Contains comprehensive proposals for **actions linked to the nine recommendations**
- The **proposed measures** are set for 2022-2026
- Provide **overall support to all HEIs** regardless of size or specialization
- **Continuously updated**
- **Annual follow-up 2023-2026**
- **Survey** to all 38 HEI members each spring
- Results **published** on website

Recommendation 1

To create research and education environments that support, encourage, inform and educate about Open Science as a practice by adopting, implementing and supporting local steering documents or frameworks.

The HEI should consider:

- 1) Establishing a formal strategic function latest, focusing on issues relating to open science, capable of representing the institution to external stakeholders, for example on issues related to EOSC-A, a steering committee, an institution's management and the curriculum. (Recommendation 2, point 1).
- 2) Developing/revising and establishing steering documents by 2023 that promote Open Science (FAIR and open access to all digital scientific data and materials, as well as open licences and standards).
- 3) Ensuring by 2023 that the distribution of resources for open science within the higher education institutions is in line with other stakeholders both nationally and internationally. This includes organisational structures that work together, such as capacity building and financial flows in support of open science.

Recommendation 2

To provide relevant research and education environments that support, encourage, inform and educate about Open Science as a practice by adopting, implementing and supporting local steering documents or frameworks.

The HEI should consider:

- 1) Ensuring by 2023 that there is a coherent and effective advisory and support function for research data management, storage, publication and retention of research data, complement domain-specific competences in research data management, fields of archives, libraries, publishing, and digital preservation. This function should also be closely linked to the e-infrastructure and IT services described in Recommendation 4. This function could be extended to support researchers with regard to other digital resources as well, such as software.
- 2) Ensuring by 2025 that there is appropriate third cycle training and skills development for researchers making it possible for researchers to acquire the necessary skills in open science.

SUHF

Rekommendation 1

Att skapa forsknings- och utbildningsmiljöer som stödjer, uppmuntrar, informerar och utbildar om öppen vetenskap som praxis, genom att anta, implementera och förankra lokala styrdokument eller ramverk.

SUHF, Forskningsdatagrupper, 2023

SUHF

1. "Senast vid utgången av 2022 inrätta en formell strategisk funktion vid lärosätetsledningen med inriktning på frågor inom öppen och FAIR vetenskap..."

Har lärosätet genomfört detta i linje med förslaget?

	Antal svar
Följer	12 (31,6%)
Stämmer delvis	11 (28,9%)
Genomfört	8 (21,1%)
Inte gj	0 (0,0%)
Summa	31 (100,0%)

SUHF, Forskningsdatagrupper, 2023

Example recommendation and proposals from guide

Orienteringskartan

- Based on the Roadmap for Open Science
- Produced by SUHF/Research Data Group and Swedish National Data Service (SND)
- Plan, concretize, and follow up the work to achieve the goals of the recommendations in the roadmap for Open Science
- Get examples of development work from Swedish HEIs and share experiences with others

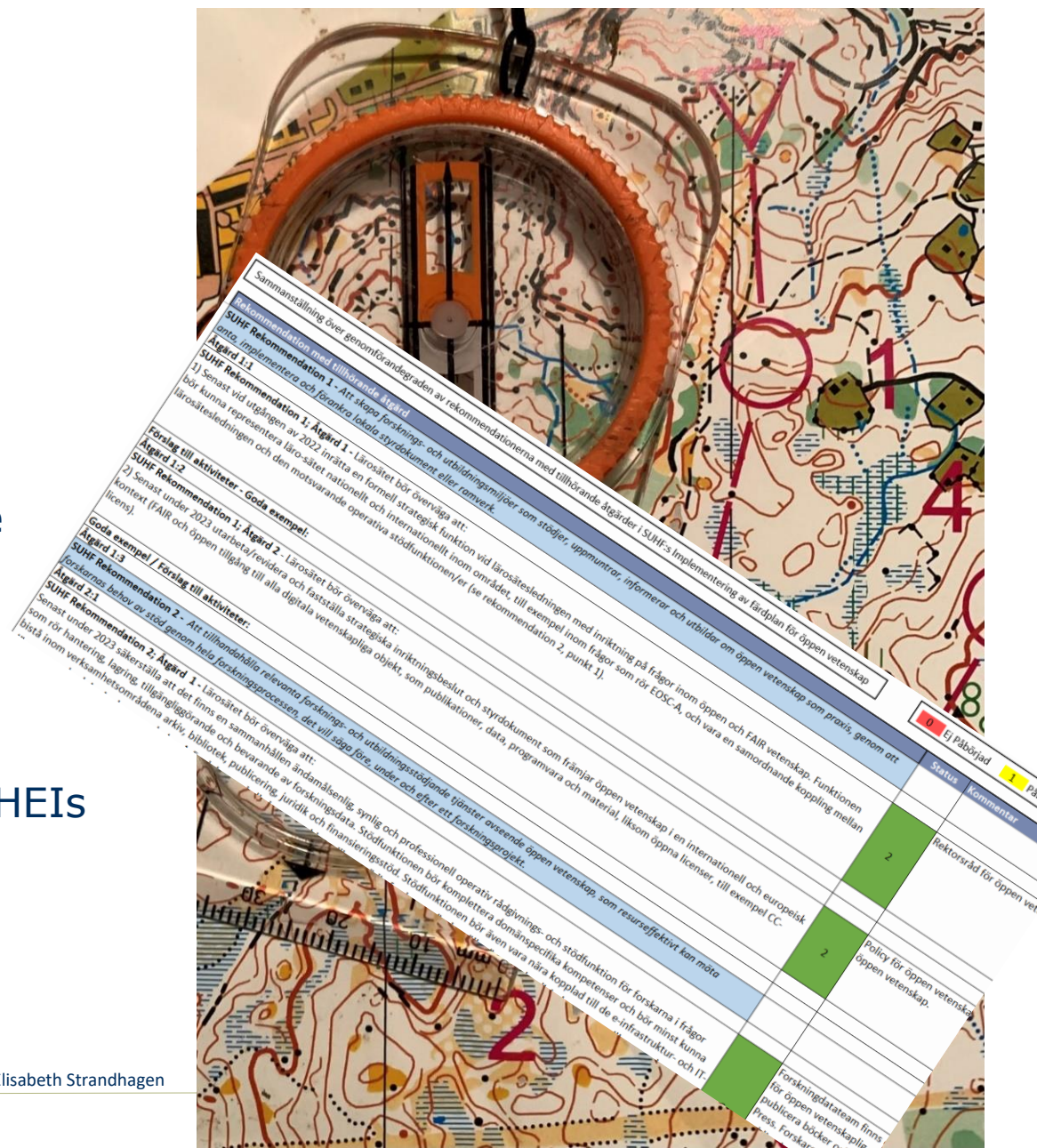


Photo: Elisabeth Strandhagen

Strategies Stockholm University 2023-2026

“Stockholm University strives for an open scientific system, where everyone has free and open access to scholarly texts, research results and research data”

“The university will continue to be a driving force and a frontrunner in the transition to open science, in terms of access to both publications and research data. This includes encouraging collaboration and participation in national and international contexts to promote sustainable development in open science.”

[Strategies for Stockholm University 2023-2026](#)



Stockholm University Policy for Open Science

Six overall objectives

1. The University's **research and education environments** support, encourage and educate about open science
2. The University provides and develops key **services** and **support** in a **local infrastructure** to meet the needs of researchers for support throughout the research process
3. The University's research results and data are **published** under an **open licence** whenever possible
4. The University's **research results and data** are managed, published, preserved and deleted in accordance with **FAIR principles**, and are handled in an **information-secure manner** throughout the research process
5. The University encourages **cooperation** and **participation** in national and international contexts leading to the promotion of sustainable development in open science
6. The University encourages an **incentive structure that promotes** and **values** open science as an integral part of research evaluation methods.

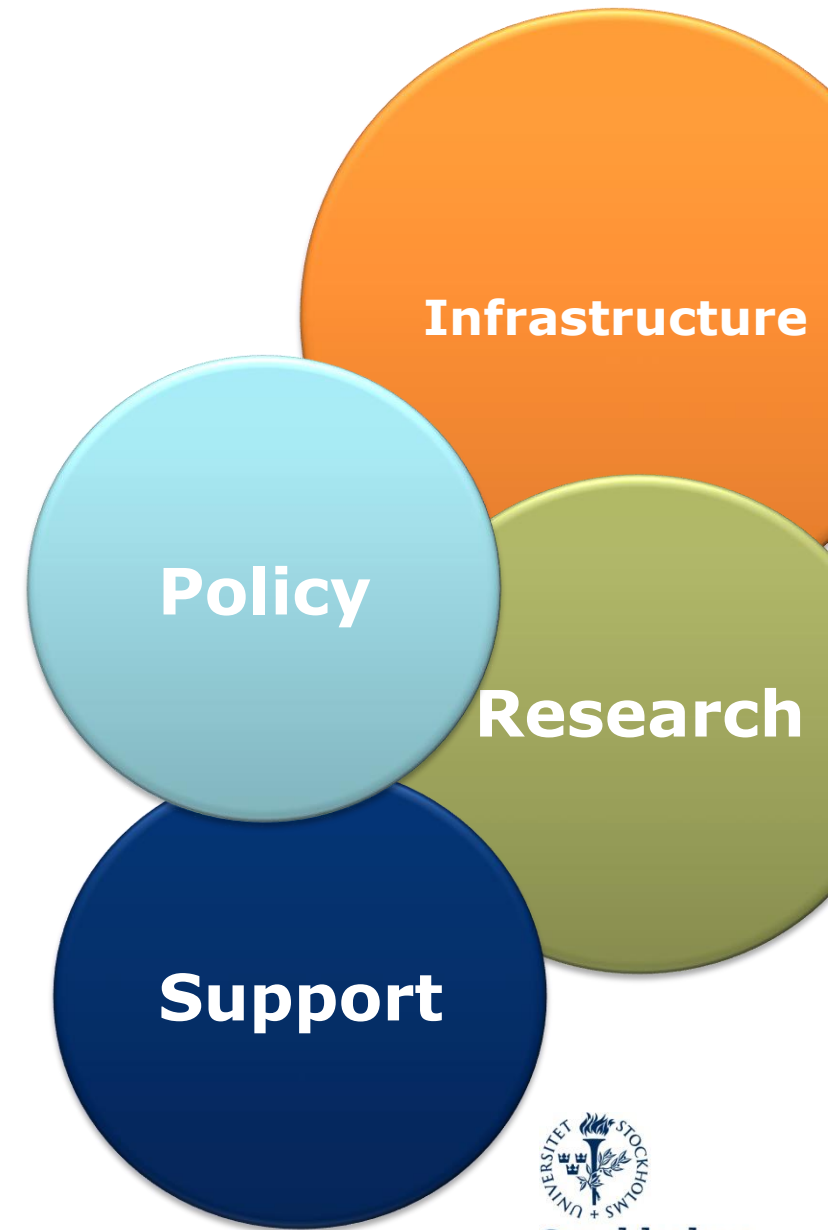


Achieve a transition to “the new normal”

- ✓ A **policy** to **make it required** and **rewarded**
- ✓ A plan to clarify how the University shall **achieve the goals** set out in the policy and clarification of the division of **responsibilities**
- ✓ Internal **organization** and **infrastructure** to **make it possible**
- ✓ Central **support** functions and **education** to **make it easy**

“Make it possible, make it rewarded, make it normal”

[Make it possible, make it rewarded, make it normal | DORA \(sfdora.org\)](https://www.sfdora.org/)



Commitment and collaboration *(some examples)*



BARCELONA
DECLARATION ON
OPEN RESEARCH
INFORMATION

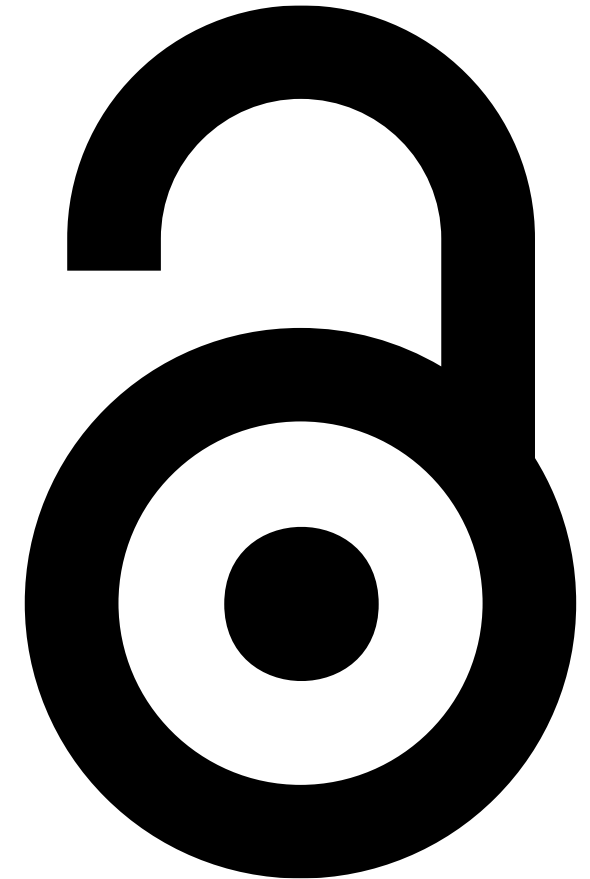


Image Credit [Wikimedia Commons](#)



Thank you for listening!

Basic facts Stockholm University

- **One of the largest** universities in Sweden
- Established **1878** – a free and radical alternative, without grades or degrees. Stockholm University College becomes **a public university** in 1960. Frescati campus opens in **1970**
- A **heterogenous & decentralised** university
- Research and education in **human science** and **natural science**
- **Four faculties** - Faculty of Science Faculties of Humanities, Law & Social Science
Education and research are conducted within **51 departments**
- **Full-time equivalent** students = 29 789 (64 % women)
Human Science 26 500 FTE Natural Science 3 289 FTE
PhD students = 1 282 (54 % women)
Employees = 5 459 *

* [About the University](#)



Useful links

[Swedish Research Bill prop 2020/21:60](#) (Swedish)

[National Policy for Open Science](#) (only in Swedish at the moment)

[Recommendations from Association of Swedish Higher Educations and Institutions](#) (most recommendations only in Swedish at the moment. The roadmap and the guide to implement the roadmap will be published in English in May 2024)

[Open Science Policy Stockholm University](#)
[Plan for Open Science](#)
[Open Science at Stockholm University](#)

[Orienteringskartan – The Orienteering map](#) (only in Swedish at the moment)

