

Open Science Plan

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The *Open Science Plan* complements Stockholm University's *Open Science Policy*. The plan aims to clarify how the University shall achieve the goals set out in the policy and clarification of the division of responsibilities.

1 Introduction

Stockholm University's governance document *Open Science Plan* complements the *Open Science Policy*. The plan describes the overall responsibility of the University and its staff regarding the proper handling of research results, research data and research-related documentation (lab books, data management plans, ethical review decisions, etc.). The proper and secure management of research results and data, as well as access to an adequate local infrastructure with basic services and appropriate support, are the foundations of good research. The University Library is responsible for the document and annual review.

2 Objectives and responsibilities for open science

The starting point for open science at Stockholm University is that the University's researchers conduct their research as openly as possible and as restricted as necessary, taking into account legal, ethical and possible commercial aspects. Openness is practised throughout the research process. Stockholm University's open science policy sets out the objectives for open science in six overarching goals, which are supplemented in this plan with clarifications of the responsibilities they encompass.

1. The University's research and education environments support, encourage and educate about open science

- The University is responsible for ensuring that strategic development work for open science is a common concern for the entire university organisation, and that the core activities are represented and involved in the work.
- The disciplines and departments foster a working culture that help make open science a natural part of every student's and researcher's academic life.
- Individual researchers are responsible for learning about and taking advantage of the framework, support and services currently in place and being developed.
- First- and second-cycle courses and study programmes are developed to integrate open science and its practice into scientific method education.

2. The University provides and develops key services and support in a local infrastructure to meet the needs of researchers for basic support throughout the research process

- The University offers researchers general training in the proper handling of research results and data.
- The University offers researchers access to key basic research support services and systems throughout the research process to manage, store, access and preserve research results and data.
- The University will provide a central support function that complements subject-specific competencies and assists with support in the areas of archiving, publication support, research ethics, research funding, legal and IT.

3. The University's research results and data are published under an open licence whenever possible

- Researchers publish scientific research results with immediate open access whenever possible.
- Researchers publish open-access research data during or after completion of a project in the appropriate repository. For research data that *cannot* be published with open access, metadata should be published openly if no obstacle exists.
- Researchers are responsible for selecting a copyright license through *Creative Commons* (CC-BY) or an equivalent open license for scientific publication of research data and other research results.
- The University works to ensure that copyright for the publication and re-use of research results is owned within academia and is not transferred to commercial scientific publishers with exclusive rights.
- The University is responsible for providing central support and training on how to manage the licensing of research results and data.

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

- Researchers have a basic understanding of the meaning of the FAIR (*Findable, Accessible, Interoperable, Reusable*) principles vis-a-vis quality and good research practice, and how to properly document metadata.
- Researchers are responsible for registering scientific publications and their metadata in the University's publication database.
- Researchers are responsible for publishing the underlying research data of scientific publications with associated metadata in the appropriate repository.
- Researchers are responsible for providing a digital researcher identifier, e.g., ORCID (*Open Researcher and Contributor ID*), when publishing research information.
- The principal investigator is responsible for ensuring that a data management plan is established, updated and maintained according to the guidelines of

the University and any external funders.

- The researcher is responsible for ensuring that research results and data are securely stored on appropriate storage spaces during ongoing research projects, and are managed and shared according to applicable information-security requirements based on the level of sensitivity.
- The department or equivalent is responsible for ensuring that research results and research data, including financial and administrative documents, are preserved in the University's archives after the research project is completed, in accordance with the applicable regulations and the University's governance documents.
- The researcher is responsible for ensuring that deletion takes place in accordance with the University's regulations and governance documents.

5. The University encourages cooperation and participation in national and international contexts leading to the promotion of sustainable development in open science

- The University participates in international developments in open science and digital infrastructure, including through membership in the European Open Science Cloud (EOSC). For example, the University has signed the *San Francisco Declaration on Research Assessment* (DORA) and is following up with internal work in line with the principles.
- The University actively participates in relevant national consortia and university-owned national infrastructures, and ensures that resources and competencies are used in an appropriate and resource-efficient way.

6. The University encourages an incentive structure that promotes and values open science as an integral part of research evaluation methods

- The University actively participates in national and international developments in open science together with funders and other stakeholders.
- The University promotes the inclusion of open science as a criterion for merit assessment.