



Avoine tiede

# National open science and research policies in a nutshell

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# Finnish open science policies

The Declaration for Open Science and Research 2020–2025, the supporting policies and complementing recommendations form a tiered system of guiding documents for the Finnish research community.

The co-creating process of these documents is open for all members of the research community.



- [The Declaration for Open Science and Research 2020–2025](#) presents a common vision for the Finnish research community.
- [The policies of open science and research](#) outline the strategic principles, objectives and actions necessary to achieve the objectives of the Declaration for Open Science and Research.
- [The recommendations of open science and research](#) complement the policies.

# Declaration for Open Science and Research

Research organizations commit [to the Declaration for Open Science and Research 2020–2025](#) by signing it.

## Vision

Open science and research are integrated in researchers' everyday work and support not only the effectiveness of research outputs but also the quality of research.

The Finnish research community is an international forerunner in open science and research.

## Mission

- promote openness as a fundamental value throughout the research community and its activities
- strengthen societal knowledgebase and innovation
- improve the quality of scientific and artistic research outputs and the educational resources based on them, and the fluid mobility and impact of research outputs throughout society.

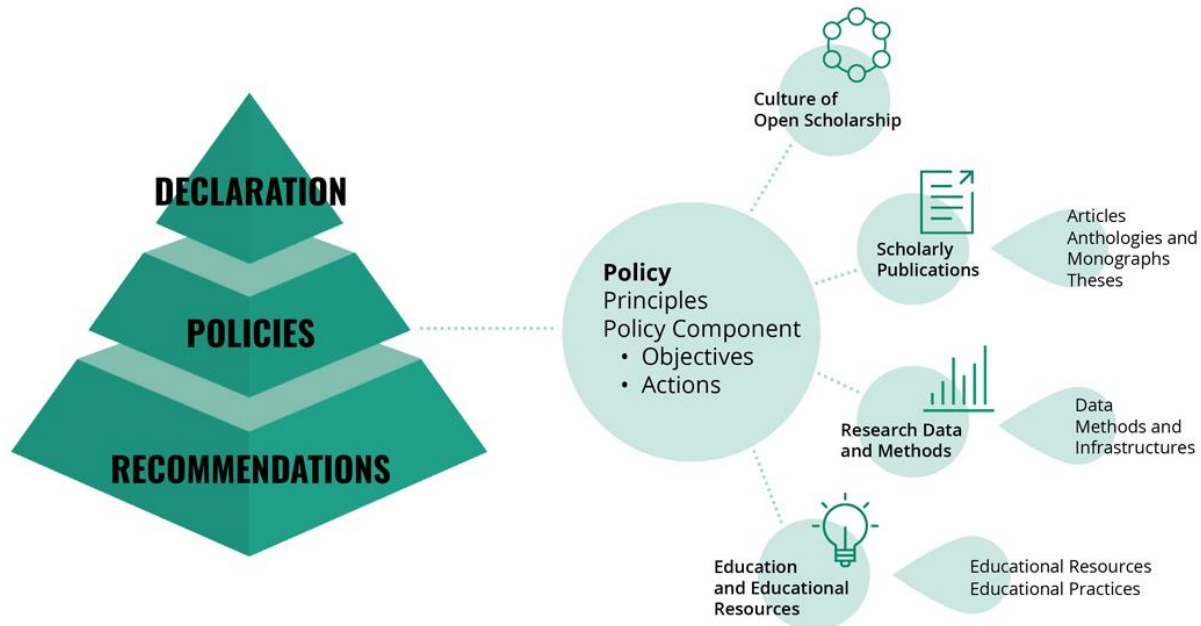
## Organisations and other members of the research community commit to the vision and mission by

1. endorsing the strategic goals for open science and research defined by the research community in their own strategies and steering work, with consideration for the characteristics of their organisations
2. supporting and encouraging the everyday work of their organisation's members to attain the objectives and goals of the policies.
3. by actively participating in the national open science and research coordination activities.



# Open science and research policies

The policies of open science and research in Finland outline in detail the strategic principles, objectives and action plans necessary to achieve the objectives set out in the Declaration for Open Science and Research.



## Policy work in 2022–2024

### Published in 2022

- [Policy for Open Scholarship](#) and the related recommendations
  - [Recommendation for citizen science](#)
  - [Open science recommendation and checklist for research, development and innovation activities in collaboration between research organizations and companies](#)
- [Policy for the Open Education and Educational Resources](#)
  - Policy component 2 (Open educational practices)

### Forthcoming in 2023

- [Policy for Open Access to Research Data and Methods](#)
  - Policy component on open access to research methods (Release in June 2023)
- [Policy for Open Access to Scholarly Publications](#)
  - Policy component on student theses (Release in late 2023 at the earliest)

### In 2024 or beyond

- [Policy for Open Access to Scholarly Publications](#)
  - policy component on monographs

# Example: Open Research Data and Methods

Overarching objective and strategic principles are described on the policy level.

## Policy objective

Research data and methods are as open as possible and as closed as necessary. The data is managed appropriately with the aim of implementing the FAIR principles. Research methods and research data are identified as independent research outputs.

## Strategic principles

1. Research data and methods shall be managed, opened and used responsibly and appropriately.
2. Researchers have access to infrastructures and services that enable responsible data management, and these are developed further in an economically sustainable way, taking into account the researchers' needs.
3. The researcher's merits in the promotion of good data management, work related to research data and methods, and the appropriate opening of research data and methods are valued and can support the researcher's career

On the policy component level, objectives and actions required are more concrete with **specified actors** and **defined deadlines**.

These targets enable research organisations to set up their own open science and research action plans.

## Example: Objective 3

No later than 2022, research data produced in starting research and development projects have been documented so that the documentation supports the opening, re-use, findability, interoperability and accessibility of research data.

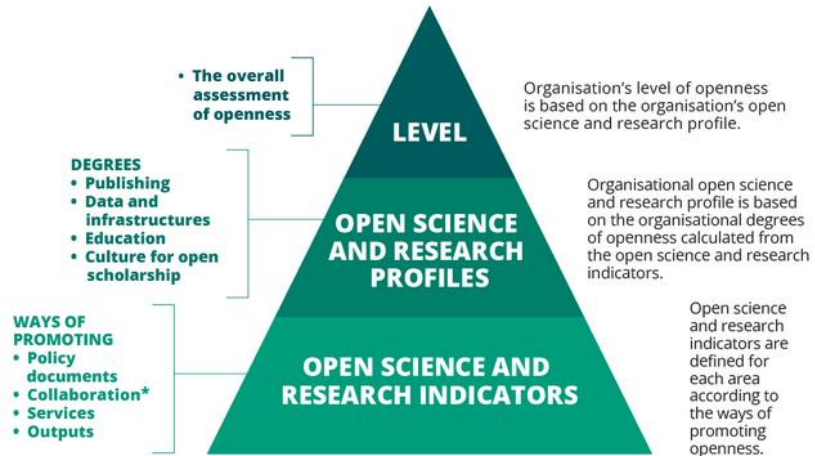


## Actions required by the objective 3

1. No later than 2022, research organisations support researchers in the production of metadata through support services and incentives. – –
5. No later than 2023, research organisations will utilise suitable indicators with which they monitor their progress in good data management as part of the quality system.

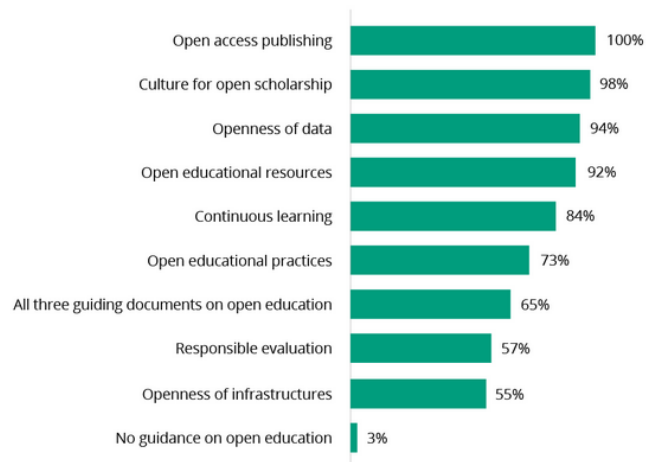
# Activities supporting policy work

## MONITORING ELEMENTS



## POLICY DOCUMENTS

### Prevalence of key guiding documents in research organizations\*



## Monitoring 2022

- [Monitoring model](#) published in May 2022
- Data collected in May–June
- Results released in October
  - [Summary](#) on avointiede.fi
  - [Interactive visualisations](#) in Research.fi

## The Reference Architecture 2030 of Open Science and Research

- Working group appointed by the National Open Science and Research Steering Group in 2021
- Architecture work expected to be completed by year-end 2023
  - [Reference architecture work](#) is open for commenting from 17 April to 2 June
  - Materials currently almost exclusively in Finnish

## The Working Group on Funding Open Science

- Working group appointed by the National Open Science and Research Steering Group in 2023
- First meeting on 30 May 2023.

# Celebrating our fifth birthday today!



Action plan to set up the National Open Science and Research Coordination by the Federation of Finnish Learned Societies was published on 28 May 2018.



# Appendix: Recommendations on Open access to research data and methods

- Improve the quality and impact of your research through data management. A guide for making your data FAIR (2023, forthcoming this week, will be published [on the recommendations page](#))
- [Interoperable 1-2-3. Guidelines on fostering data interoperability](#) (2021, in Finnish)
- [Template for agreement on data authorship](#) (2020, CC0, in Finnish)
- [The use of Persistent Identifiers for Research Datasets](#) (2019)
- [Ownership and licencing of research data](#) (2019, in Finnish)
- [Additional instructions for planning the management of sensitive and confidential data](#) (2019)