

Costing research data

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Main principle – Open Access

As open as possible as closed as necessary

- Open by default principle with regard to access to research data.
- RCN will help to ensure that research data in general are made openly accessible, but that an exception is made for data that cannot or should not be disseminated.



Our research data policy

- Sets out how the Council will use its instruments to promote open access to research data
- Intended to serve as a guide for researchers when planning their research projects
- The policy will be revised on the basis of:
 - the experience gained from their implementation
 - international developments
 - changes of legal framework
 - new technological potential



Our research data policy

- All projects and activities that are wholly or partly funded with government allocations are considered to be **publicly funded**.
- Deposit of and accessibility to research data for further use must take place in a **cooperative effort** between researchers, research institutions, scientific journals, infrastructure providers and government authorities.



Guidelines

- **1.0 Research data should be stored/archived in a safe and secure manner.**
 - 1.1 The data should be stored in secure archives, either in a central repository at the relevant institution or in national archives.
- **2.0 Research data should be made accessible for reuse.**
 - 2.1 Research data should be made accessible to all relevant users, on equal terms, as long as there are no legal, ethical or security-related reasons to preclude this.



Guidelines

- **3.0 Research data should be made accessible at an early stage.**
 - 3.1 The data used as the basis for scientific articles should be made accessible as soon as possible, and never later than at the time of publication.
 - 3.2 Other data that may be of interest for other research should be made accessible within a reasonable amount of time, and never later than three years after the project has concluded.



Guidelines

- **4.0 Research data should be accompanied by standardised metadata.**
 - 4.1 The metadata should enable others to search for and use the data.
 - 4.2 The metadata should follow international standards.
 - 4.3 The metadata should describe the quality of the data.



Guidelines

- **5.0 Research data should be provided with a license for access, reuse and redistribution.**
 - 5.1 The license should be internationally recognised.
 - 5.2 The license should set as few restrictions as possible on the access, reuse and redistribution of the data.



Guidelines

- **6.0 Research data should be made accessible at the lowest possible cost.**
 - 6.1 Metadata should be made accessible at no charge and be published in a way so that they may be harvested and used in research data searches.
 - 6.2 Research data should preferably be made accessible at no charge.
 - 6.3 The price of access to research data should never be higher than the actual costs of making them available.



Guidelines

- **7.0 Research data should be provided with a long-term plan.**
 - 7.1 A plan should be prepared for the management of data that are considered to have long-term value.
 - 7.2 The projects should specifically address how research data that are not considered to have long-term value should be managed, or if relevant destroyed, after a certain period of time.



Data management plan

- The R&D-performing institution must assess the need to develop a data management plan in relation to all projects awarded Research Council funding.
- Delivered in connection with the revised grant application.
- Request a final version of the data management plan in connection with the final report.



Data management plan

- The plan is a living document that follows the research project and specifies the following:
 - the kind of data that will be generated; how the data will be described; where the data will be stored; whether and how the data can be shared.
- Data management plans are to be made public and openly accessible.
- As a general rule, R&D-performing institutions themselves are responsible for determining which archiving solution to use.



Costing research data

- The user should cover the actual costs incurred from data retrieval.
- Access must be provided at the lowest possible cost, preferably at no more than the marginal cost of dissemination.
- **Eligible costs**
 - activities to make research data from the project accessible in accordance with a potential data management plan



The National funding scheme for research infrastructures

- Normally a biennial call
- Norwegian research community and trade and industry have access to relevant, up-to-date infrastructures



Research data infrastructures

- RI applications to the RCN direct funding scheme must differentiate between:
 - **Investments** and how these are to be funded
 - **Operational costs** and the funding of these by:
 - Project funding
 - Own basic funding (including technical staff)
 - RCN basic funding (exceptional cases only)
- Difficult to get funding for operating costs from this scheme
- Data infrastructures are struggling to find a robust financial model
- Working on getting an overview on the possible financial models for our datainfrastructures