



Pitch proposal: Which conditions encourage a researcher to archive research software?

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Purpose and demarcation of the subject

Within the context of open science, researchers are asked by funders to provide them with the data and keep the software that led to the results of the research for at least 10 years. The storage of research data is taking place more and more; the storage of research software is still (very) scarce. Storing research software in a way that makes reusability possible requires considerable effort from the researcher who made the software. Within the current research process, there appears to be few incentives for these activities / costs. However, archiving the research software used is more common within some research areas. We want to investigate why this does take place within these research areas.

2. Why is this of cross-institutional interest? Many institutions struggle with the issue of how they can stimulate the archiving of research software. Archiving it is not widely used at the moment. Many institutions are thinking about this issue, but the experience is not yet great. Precisely because this is a relatively new issue, a joint approach to obtaining more information about the possibilities for stimulating software archiving is useful.

3. Deliverables We want to provide practical recommendations for institutions to stimulate the archiving of research software among researchers. We want to base these recommendations on researching best practices in the field of research software archiving within research areas where this is already applied, at home and abroad. In doing so, we will focus on the following questions for the researchers: - What do they see as the purpose (s) of archiving their research software? - Is extra effort required to proceed with archiving? If so, how much extra ? - Do they feel appreciation for the software they have archived? If so, how? - In their view, how could the archiving of research software be stimulated even more?

4. Necessary expertise and competences

The following expertises and competences are required in this task group: - research support employees who are or will be involved in issues related to archiving research software - employees eScience Center and DANS because of their extensive knowledge in the field of software archiving 2 For this research contact will be sought with researchers / research software engineers who are currently archiving their research software. It is therefore important that the employees involved in this study have access to this group of researchers.

5. Estimated duration and schedule The start date is May 26, with a lead time of 8-10 weeks. We will work with a 2-weekly meeting of 2? hours, with discussions and elaborations by email in the meantime.

6. What has already been known or done and why does this information not suffice? Research into incentives for researchers to archive v The transition to software has not yet taken place, because this is a relatively new area.