OPEN SCIENCE AND DATA MANAGEMENT PLANS IN EXTERNAL FUNDING PROPOSALS

Open Science Services at ÅAU, March 2017
OPEN SCIENCE NOT ONLY OPEN ACCESS PUBLISHING

- Starting from H2020 open research data pilot in 2014
- In 2016-2017 data/materials management plan required by big funding agencies
- What data should be open?

The data, including associated metadata, needed to validate the results presented in scientific publications as soon as possible (H2020)
Open access publishing

- We require that Academy-funded projects commit to open access publishing... If researchers follow the principles of open science, they must do so with due consideration of research ethics and the judicial environment.

Open data

- We require that principal investigators of Academy-funded research projects see to that the projects data are stored and made available through major national or international archives or storage services that are important in the fields concerned. Data may for justified reasons, however, come in varying degrees of openness, ranging from fully open to strictly confidential.

- The Academy of Finland requires that applications to be submitted to the Academy include a data management plan or the research project or research infrastructure concerned.
In research projects Tekes requires open publication. Project’s research plan must contain a publication plan, which considers open publication. Tekes recommends to follow organisation’s own instructions in open publication.

The recipient of funding has the obligation to handle the materials generated in research so that the project goals can be achieved. For the purpose of this obligation, the recipient of funding should look after the backup materials connected with the project as well as the research data and information generated in the project so that the information and results obtained from the project can be utilised in the future as effectively as possible.

There should be a materials management plan within the project plan.
A plan for publication of data collected in the research project is strongly encouraged.

- Description of data
- Data collection
- Data publication
- Budget for data publication
- Contact person

Open access as described above is strongly encouraged and applicants would need strong arguments for exceptions.
29.2: Each beneficiary must ensure open access (free of charge, online access for any user) to all peer-reviewed scientific publications relating to its results.

29.3: Regarding the digital research data generated in the action ('data'), the beneficiaries must:

(a) deposit in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate — free of charge for any user

(i) the data, including associated metadata, needed to validate the results presented in scientific publications as soon as possible;

(ii) other data, including associated metadata, as specified and within the deadlines laid down in the 'data management plan';

(b) provide information — via the repository — about tools and instruments at the disposal of the beneficiaries and necessary for validating the results (and — where possible — provide the tools and instruments themselves).