Openess and FAIRness for mathematical research data: the legal framework

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For a long time, the mathematical community has been a driving force toward an accessible, efficient, fair and transparent system of scientific information. Legal requirements are also relevant for data-sets and publications in mathematics.

Relevant associations – such as the DMV, EMS, GAMM, or GOR – and scientific institutions – such as universities – have already started with open access policies, directives and goals. To reach common standards the implementation requires certain licensing information and further considerations in the fields of IP, privacy or contracting (i.e. liability). The variety of relevant interests within the mathematical community must also be taken into account developing terms of use.

The international mathematical research community is highly connected. In order to maintain and extend the international impact and compatibility of German mathematics, it is essential for research data infrastructures and services to develop and establish widely recognised legal standards. So the legal analysis should be accompanied by an analysis from the perspective of scientific ethics.