



FID GEO: Digital transformation and Open Access in Germany's geoscience research community

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The 'Specialized Information Service for Solid Earth Sciences' (FID GEO) supports Germany's geoscience research community in 1) electronic publishing of i) institutional and "grey" literature not released in publishing houses and ii) pre- and postprints of research articles 2) digitising geoscience literature and maps and 3) addressing the publication of research data associated with peer-reviewed research articles (data supplements). Established in 2016, FID GEO is funded by the German Research Foundation (DFG) and is run by the Göttingen State and University Library (SUB Göttingen) and the GFZ German Research Centre for Geosciences. Here we present recent success stories and lessons learned.

With regard to digitisation, FID GEO received a request from one of the most prestigious geoscience societies in Germany to digitise back-issues of its journals that are so far only available in print. Aims are to ensure long-term availability in Open Access and high visibility by DOI-referenced electronic publication via the FID GEO repository. While digitisation will be financed by FID GEO funds, major challenges are to identify the copyright holders (journals date back to 1924) and negotiate digitisation and publication rights.

With respect to research data publishing, we present how we target scientists to integrate the publication of research data into their workflows and institutions to promote the topic. For the latter, we successfully take advantage of existing networks as entry points to the community, like the research network Geo.X in the Berlin-Brandenburg area, individual learned societies as well as their overarching structures DV Geo and GeoUnion. FID GEO promotes the Statement of Commitment of the Coalition for Publishing Data in the Earth and Space Sciences (COPDESS) as well as the FAIR Data Principles in presentations to the above-mentioned groups and institutions. Our aim is to eventually transfer the positive feedback from the geoscience community into pilot model workflows for the publication of data supplements. Data publication partner of FID GEO is the data repository of GFZ Data Services, hosted at GFZ. Since the technical infrastructure for data publication is already in place, clearly, the focus of this subtask is on raising awareness at the level of individual researchers as well as of research projects and institutions.