

Prototyping an efficient technical implementation of the open access components included in the Alliance licenses

Aim

DeepGreen aims at automating the process of transferring scholarly publications into open access repositories.

Challenge

Legitimated authors and their libraries only rarely make use of their open access rights due to the high costs and effort associated with researching and manually archiving the articles in question.

Approach

DeepGreen is developing a data hub where publishers deposit publications and metadata which in turn are routed to eligible repositories via defined interfaces. The data hub automates the process of transferring scholarly publications into open access repositories thereby providing an innovative technological approach that reduces the effort required of authors and librarians.

Scope

DeepGreen focuses on so-called Alliance licenses where libraries in Germany have negotiated extensive open access rights with publishers. Authors of institutions that have an Alliance license with a particular publisher can make their articles available open access and free of charge in a repository, either immediately upon publication or after a short embargo period.

Open Science

DeepGreen contributes to open science by making use of the open access components included in the Alliance licenses thereby providing access to publications that would have otherwise, most probably, remained behind paywalls.

Project Components

- ❖ communication with publishers
- ❖ conceptualisation of a workflow
- ❖ development of a metadata scheme
- ❖ development, implementation, and testing of the data hub prototype
- ❖ collection of key figures to measure the effectiveness of DeepGreen

