

CUSTOMISED PROJECT INSTANCES

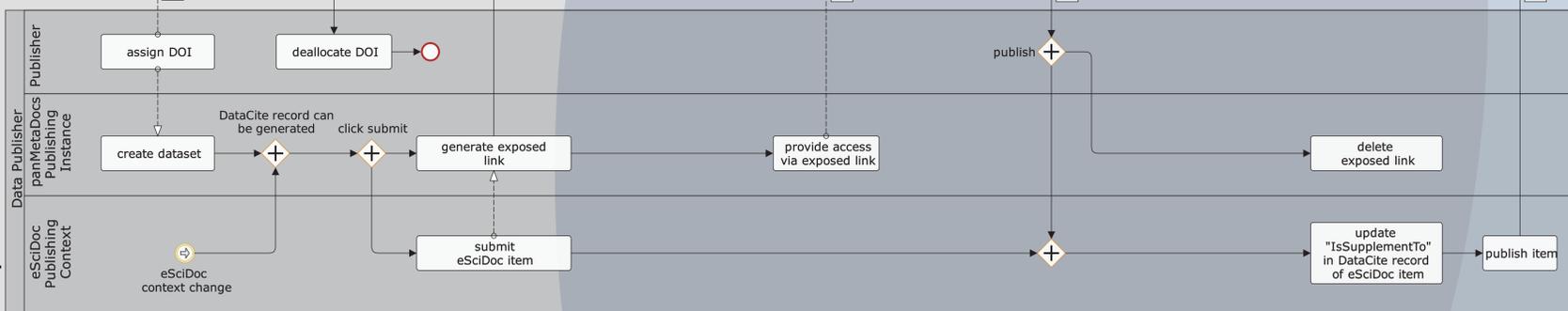
To support the acquisition and the management of data and metadata, every project gets its own instance of panMetaDocs that operates during the project lifetime. The application can be adjusted to fit individual needs, like a customised GUI, or a different business logic. Furthermore, entry forms unique to the project can be applied and seeded with default values from a project context. This concept of offering individual instances on a standard basis and storing the data separately (eSciDoc) prevents us from supporting an ever growing legacy software stack.

DECOUPLED DATA COLLECTION

The combination of eSciDoc and panMetaDocs allows on the one hand multiple data collecting instances of panMetaDocs to assist metadata aggregation - on the other hand it is possible to separate data collecting instances from publishing instances. Therefore, the project instances can be discarded after the project has ended. All data and metadata remain as eSciDoc items and wait for future reuse.



panMetaDocs
Data publisher instance



ALBERT
SEARCH
ENGINE

GFZ DATA
PORTAL

DISSEMINATION

Collected metadata can be syndicated to search portals in different schemas using the OAI-PMH Protocol with different metadata payload (Dublin Core or NASA-DIF).

DataCite Metadata Store

REST

GFZ DOIDB

REST

SDDB

GEOFON

ISDC

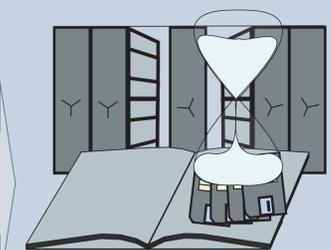
DOIDB'S INTEGRATION OF ESTABLISHED SYSTEMS

The DOIDB is an institution-wide registry for published and online accessible datasets at GFZ. It acts as a proxy to the DataCite Metadata Store and offers a DOI registration service for several independent systems. These systems have their own workflows and there is no need to replace their data-backend with eSciDoc.

Like the DataCite Metadata Store, the DOIDB has a REST-interface and is able to store metadata in the DataCite schema. Alternatively metadata can be provided in the NASA-DIF schema. The transformation into the mandatory DataCite-schema is done by a stylesheet (XSLT).

ARCHIVING DATA

Once cited in publications, data and metadata have to be accessible as reference and for future use. To achieve long-term availability, these objects need to be transferred to an OAIS compliant long-term archive. Workflow tools, components and policies required for digital preservation of research data in the geosciences are being developed in DFG Project EWIG. Please also visit our poster EGU2012-8393.



DATA PUBLICATION WORKFLOW

eSciDoc was designed to support the scientific publication workflow with its item statuses - but the process of publishing a dataset as supplement to a written publication holds some additional conditions, that must be met.

The DOI of the referenced dataset must be available already when the paper is submitted for review. Although this DOI is not yet published, access to the dataset should be available for reviewers. We solved this at GFZ with generating temporarily links just for review purposes. Later, when the manuscript is accepted by the publisher, the "IsSupplementTo"-section of the DataCite record has to be updated and has to point to the DOI of the accepted manuscript.

Finally the DOI and the XML representation of the DataCite metadata has to be registered at DataCite. In case of GFZ Potsdam this happens through the DOIDB.

Print publisher

