

---

# **Publikator User Guide**

***Release 2019***

**DARIAH-DE**

January 25, 2019



## CONTENTS

|          |   |          |
|----------|---|----------|
| <b>1</b> | <b>Collections</b>  | <b>3</b> |
| <b>2</b> | <b>Log in with the DARIAH-DE Account or with the Federation Account</b>   | <b>5</b> |
| 2.1      | First Time Login Confirm the Access to the Storage . . . . .              | 8        |
| <b>3</b> | <b>Publishing with the DARIAH-DE Publikator</b>                           | <b>9</b> |
| 3.1      | Two Views of the DARIAH-DE Publikator . . . . .                           | 9        |
| 3.2      | Start Publishing . . . . .  | 10       |
| 3.3      | Back to the Overview Page . . . . .                                       | 14       |
| 3.4      | Publish Your Collection . . . . .   | 16       |
| 3.5      | Register Your Collection in the DARIAH-DE Collection Registry . . . . .   | 25       |
| 3.6      | Digital Object Identifier (DOIs) . . . . .                                | 29       |
| 3.7      | Landing and Index Pages, Data, and Metadata . . . . .                     | 29       |
| 3.8      | The Collection Description in the DARIAH-DE Collection Registry . . . . . | 30       |
| 3.9      | The DARIAH-DE Generic Search . . . . .                                    | 30       |



[ English | Deutsch ]

A PDF version of this Publikator Documentation you can find [HERE](#).

The entry point for importing collections and data into the DARIAH-DE Repository is the [DARIAH-DE Publikator](#), which allows you to prepare, manage, and finally import your collections into the DARIAH-DE Repository using your favorite internet browser.



## COLLECTIONS

The term *collection* requires an explanation in connection within the [DARIAH-DE Repository](#) or the [DARIAH-DE Research Data Federation Architecture](#): A collection here means certain quantities of research data, which is practically a quantity of files that belong together in some way.

If your files are already publicly accessible as a collection and are already provided with Digital Object Identifier and if someone (eg a data center) takes care of their safe storage, you can register and describe them as a collection in the DARIAH-DE Collection Registry. If you have a technical interface to your collection, you can also specify it in your collection description. So the contents of your collection are indexed in the Generic Search of DARIAH-DE and can be found there.

However, your research data can also be stored locally on a hard disk, on a CD or in a non-publicly accessible location, either as a collection or as a single file. Then it is not accessible to other researchers, your research data can not be searched for and found by other interested parties and may be lost to science if not maintained. If you want to make your data available to other scientists and keep your research results safe and citable, you can import them into the DARIAH-DE Repository via the DARIAH-DE Publikator.

After that, your research data

- will be stored safely in the repository,
- will include a Digital Object Identifier (your collection itself and all the files).

Your data then

- can be permanently referred to and be cited,
- is publicly accessible,
- can be described as a collection in the Collection Registry, and
- is searchable in the Generic Search.

Your research data are then included in the research data life cycle and are thus available for subsequent use.





## LOG IN WITH THE DARIAH-DE ACCOUNT OR WITH THE FEDERATION ACCOUNT

You can reach the DARIAH-DE Publikator in the DARIAH-DE Portal from the side of the

- [DARIAH-DE Repository](#)

or also directly via this link to the

- [DARIAH-DE Publikator](#).

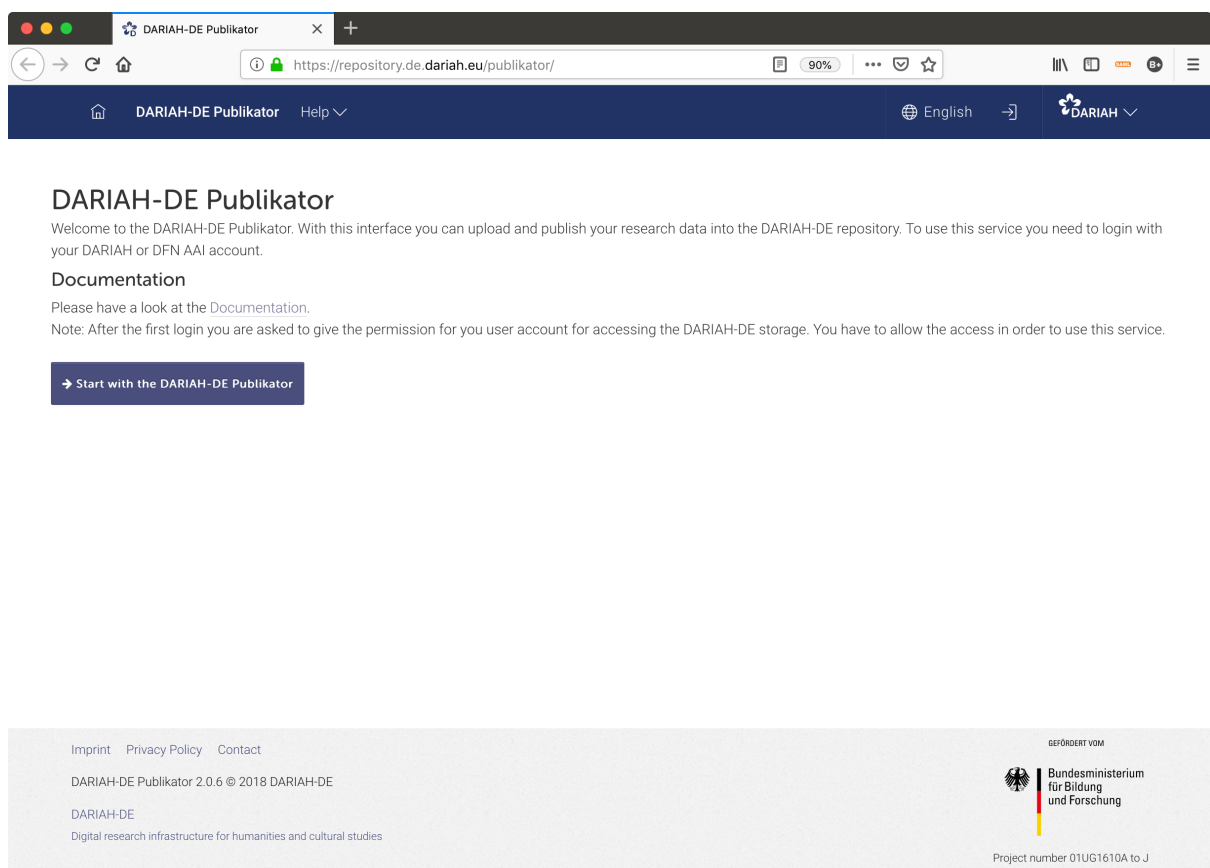


Fig. 2.1: Publikator Welcome Page

To use the DARIAH-DE Publikator, please click on the *Start with the DARIAH-DE Publikator* button (see figure 1) and log in with your DARIAH or Federation account. If you do not have a [DARIAH account](#), you can apply for it [HERE](#).

The screenshot shows a web browser window with the address bar displaying `https://auth.de.dariah.eu/CDS/WAYF?entityID=https%3A%2F%2Faaiproxy.de.d...`. The page title is 'Auswahl der Organisation'. The header features the DARIAH AAI logo and the text 'AUTHENTICATION AUTHORISATION INFRASTRUCTURE'. The main heading is 'Organisation auswählen'. Below this is a button labeled 'WEITER ZU DARIAH >'. A horizontal line separates this from the instructions: 'Um auf den Dienst DARIAH AAI zuzugreifen, wählen oder suchen Sie bitte die Organisation, der Sie angehören.' Below the instructions is a search bar labeled 'Organisation' containing the text 'DARIAH'. Under the search bar are two checkboxes: the first is checked and labeled 'Auswahl für die laufende Webbrowser Sitzung speichern.', and the second is unchecked and labeled 'Auswahl permanent speichern und diesen Schritt von jetzt an überspringen.' Below these is a dark blue button labeled 'AUSWÄHLEN'. The footer contains links for 'Impressum', 'Datenschutz', 'Kontakt', and 'Sitemap'. It also includes a copyright notice: 'Alle Inhalte dieser Seite unterliegen der CC-BY-4.0-Lizenz, sofern nicht anders gekennzeichnet.' Below this is the text 'DARIAH-DE' and 'Digitale Forschungsinfrastruktur für die Geistes- und Kulturwissenschaften'. On the right side of the footer, it says 'GEFÖRDERT VOM' followed by the logo of the 'Bundesministerium für Bildung und Forschung' and the text 'Förderkennzeichen 01UG1610A bis J'.

Auswahl der Organisation

https://auth.de.dariah.eu/CDS/WAYF?entityID=https%3A%2F%2Faaiproxy.de.d...

DARIAH AAI AUTHENTICATION AUTHORISATION INFRASTRUCTURE

### Organisation auswählen

WEITER ZU DARIAH >

Um auf den Dienst DARIAH AAI zuzugreifen, wählen oder suchen Sie bitte die Organisation, der Sie angehören.

Organisation

DARIAH

☒ Auswahl für die laufende Webbrowser Sitzung speichern.

☐ Auswahl permanent speichern und diesen Schritt von jetzt an überspringen.

AUSWÄHLEN

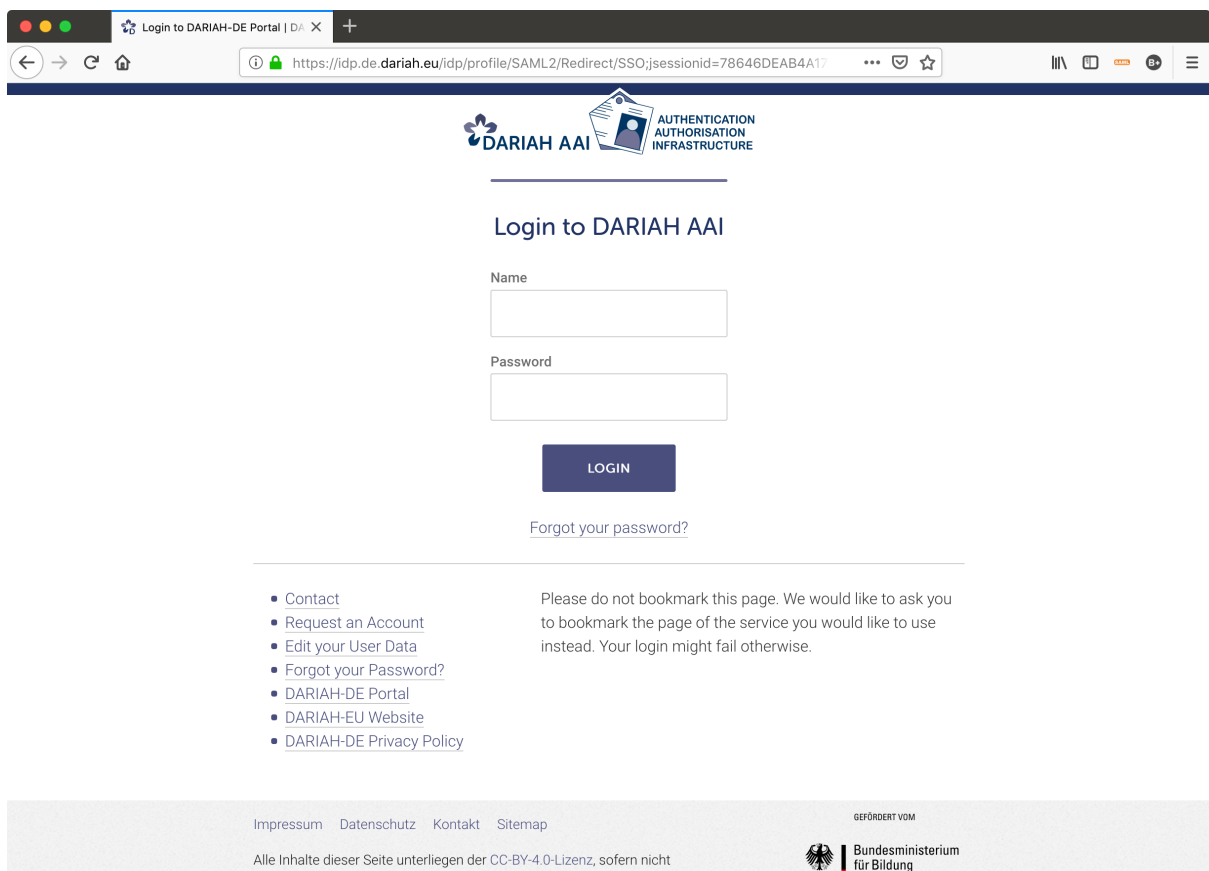
Impressum Datenschutz Kontakt Sitemap

Alle Inhalte dieser Seite unterliegen der CC-BY-4.0-Lizenz, sofern nicht anders gekennzeichnet.

DARIAH-DE  
Digitale Forschungsinfrastruktur für die Geistes- und Kulturwissenschaften

GEFÖRDERT VOM  
Bundesministerium für Bildung und Forschung  
Förderkennzeichen 01UG1610A bis J

Fig. 2.2: Selection of Institutional or DARIAH Account



The screenshot shows a web browser window with the title "Login to DARIAH-DE Portal | DA X". The address bar displays the URL "https://idp.de.dariah.eu/idp/profile/SAML2/Redirect/SSO;jsessionid=78646DEAB4A17". The page header features the DARIAH AAI logo and the text "AUTHENTICATION AUTHORISATION INFRASTRUCTURE". The main heading is "Login to DARIAH AAI". Below this, there are two input fields: "Name" and "Password". A blue "LOGIN" button is positioned below the password field. A link "Forgot your password?" is located below the login button. On the left side, there is a list of links: "Contact", "Request an Account", "Edit your User Data", "Forgot your Password?", "DARIAH-DE Portal", "DARIAH-EU Website", and "DARIAH-DE Privacy Policy". On the right side, there is a warning message: "Please do not bookmark this page. We would like to ask you to bookmark the page of the service you would like to use instead. Your login might fail otherwise." The footer contains links for "Impressum", "Datenschutz", "Kontakt", and "Sitemap", along with the text "Alle Inhalte dieser Seite unterliegen der CC-BY-4.0-Lizenz, sofern nicht". The footer also features the logo of the "Bundesministerium für Bildung" and the text "GEFÖRDERT VOM".

Login to DARIAH AAI

Name

Password

LOGIN

[Forgot your password?](#)

- [Contact](#)
- [Request an Account](#)
- [Edit your User Data](#)
- [Forgot your Password?](#)
- [DARIAH-DE Portal](#)
- [DARIAH-EU Website](#)
- [DARIAH-DE Privacy Policy](#)

Please do not bookmark this page. We would like to ask you to bookmark the page of the service you would like to use instead. Your login might fail otherwise.

Impressum Datenschutz Kontakt Sitemap

Alle Inhalte dieser Seite unterliegen der CC-BY-4.0-Lizenz, sofern nicht

GEFÖRDERT VOM

Bundesministerium für Bildung

Fig. 2.3: Login Window

## 2.1 First Time Login Confirm the Access to the Storage

If you log in the first into the DARIAH-DE Publikator, you will be asked if you want to allow that you account may access the DARIAH storage. This dialog is displayed because the DARIAH Federation Architecture uses OAuth for the services. You must allow the access, otherwise you can't use the DARIAH-DE Publikator. This dialog is only displayed once.

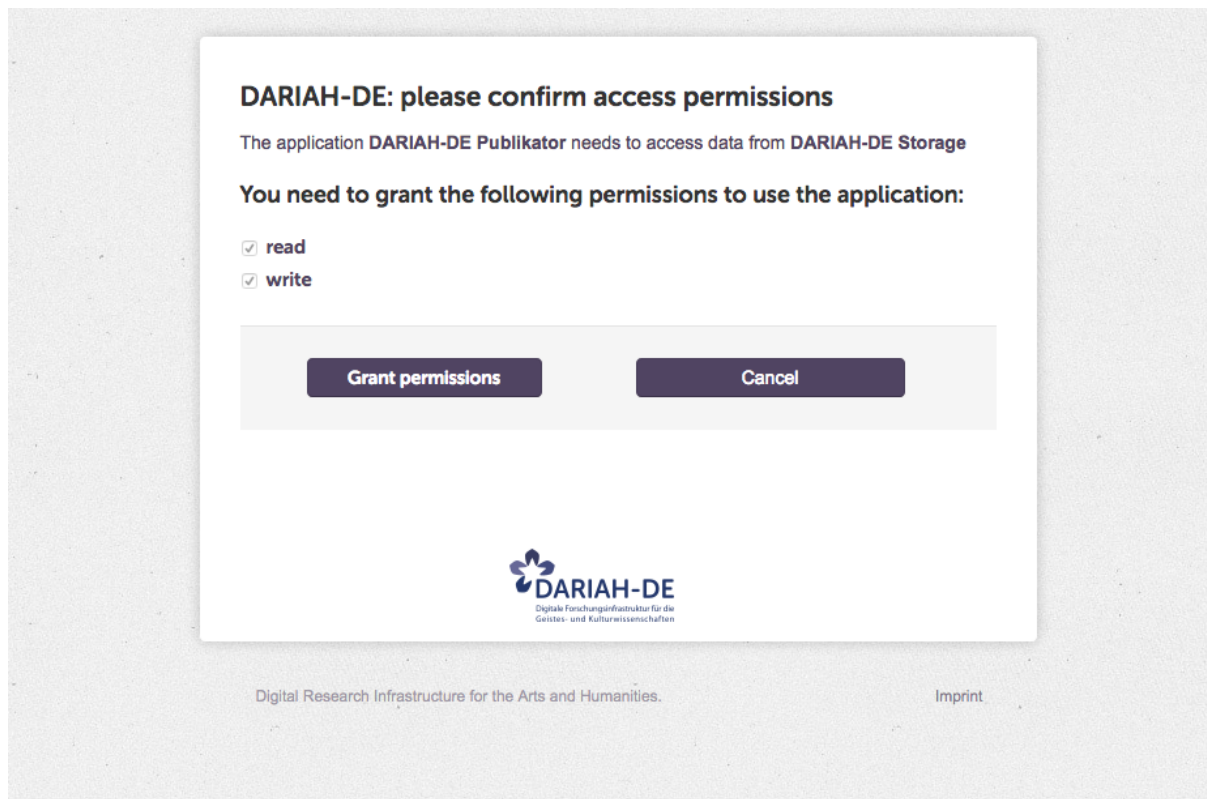


Fig. 2.4: Confirm Access Permissions

## PUBLISHING WITH THE DARIAH-DE PUBLIKATOR

A collection created in the DARIAH-DE Publikator is initially only used to aggregate research data. In this way, you have a superordinate unit that summarizes your data into a topic and allows you to describe your data as a collection of related objects. The associated data can be assigned to this collection and uploaded for publication. Your files are also described with metadata. As a metadata standard, [Dublin Core Simple](#) has been used to track a generic approach so that you have a small and refined stock of metadata to describe your data. Only a few details are obligatory. After the publication the data of this collection is stored securely in the DARIAH-DE Repository and is publicly accessible.

In the Collection Registry collections are described and these descriptions are stored. Only references to the data are stored here (or an access method specified on the data) but not the data itself. In the collection registry, you describe your collection – including technical interfaces, and you can access a much more detailed description scheme ([DARIAH Collection Description Data Model – DCDDM](#)) than it is possible with the publication with Dublin Core Simple. The DARIAH-DE Publikator will now provide you with a draft for a collection description that is based on the metadata you entered, which can be added to the Collection Registry and then published there.

---

**Note:** First, the files are saved by the DARIAH-DE Publikator in the DARIAH-DE OwnStorage – an implementation of the [DARIAH Storage API](#). During the publication process, the DARIAH-DE Publikator delivers the objects of a collection including metadata to the DARIAH-publish service, which in turn passes the data to the DARIAH-crud service, that is for basal operations such as CREATE and RETRIEVE on the DARIAH-DE OwnStorage, and now also gets DOIs and performs some metadata conversions, and finally safely stores each individual file, along with descriptive, administrative, and technical metadata, in the repository.

---

### 3.1 Two Views of the DARIAH-DE Publikator

The user interface of the DARIAH-DE Publikator is divided into two views. The first includes an overview of your collections. Here you can create collections and you can see a list of all collections you have created so far. For each collection in this list, the title and the status of the publication process are displayed:

**DRAFT** The collection has been just created or is currently being edited within the Publikator. Collections in draft status are only

visible to you as a logged in user or registered user. The content of draft collections can be changed.

**RUNNING** A publishing operation has been started and is currently in progress.

**ERROR** An error occurred during a publication process.

**PUBLISHED** The collection and its data are published in the DARIAH-DE Repository.

**REGISTERED** The collection is published and additionally registered in the Collection Registry and is indexed by the Generic Search.

The overview of your collection is also responsible for publishing your collections. If you click on *create new collection* or on one of the collections and click *edit collection*, you will be taken to the second view: **Edit Collection**. Here you can edit contents of the collection and edit the metadata.

## 3.2 Start Publishing

### 3.2.1 Creating a New Collection

If you have not created a collection yet, you can create a new one by clicking on the *create new collection* button. A newly created collection is initially in the status DRAFT. You will now be taken directly to the Edit Collection View.

### 3.2.2 Tagging your Collection with Metadata

Any changes that you make in this view are saved automatically. If you click on the *to main view* button, all your data and metadata already is stored securely to the Publikator storage, so you can continue working anytime.

First, you should fill out the displayed mandatory metadata fields to describe your collection directly. At the moment, three items are mandatory:

- Title (dc:title)
- Creator (dc:creator)
- Rights management (dc:rights)

The required metadata fields are marked with an asterisk (\*) and appear in red as long as they are not filled out. If you are not familiar with the Dublin Core metadata schema, you can click on the (i) to display a description of the metadata field including examples. Dublin Core Simple has 15 metadata fields, the other twelve you can add by clicking the button add optional metadata. All fields are repeatable and you can add them by clicking on (+) as often as you want, and of course delete them by means of (-). Each obligatory field must contain at least one at the latest when the collection is published.

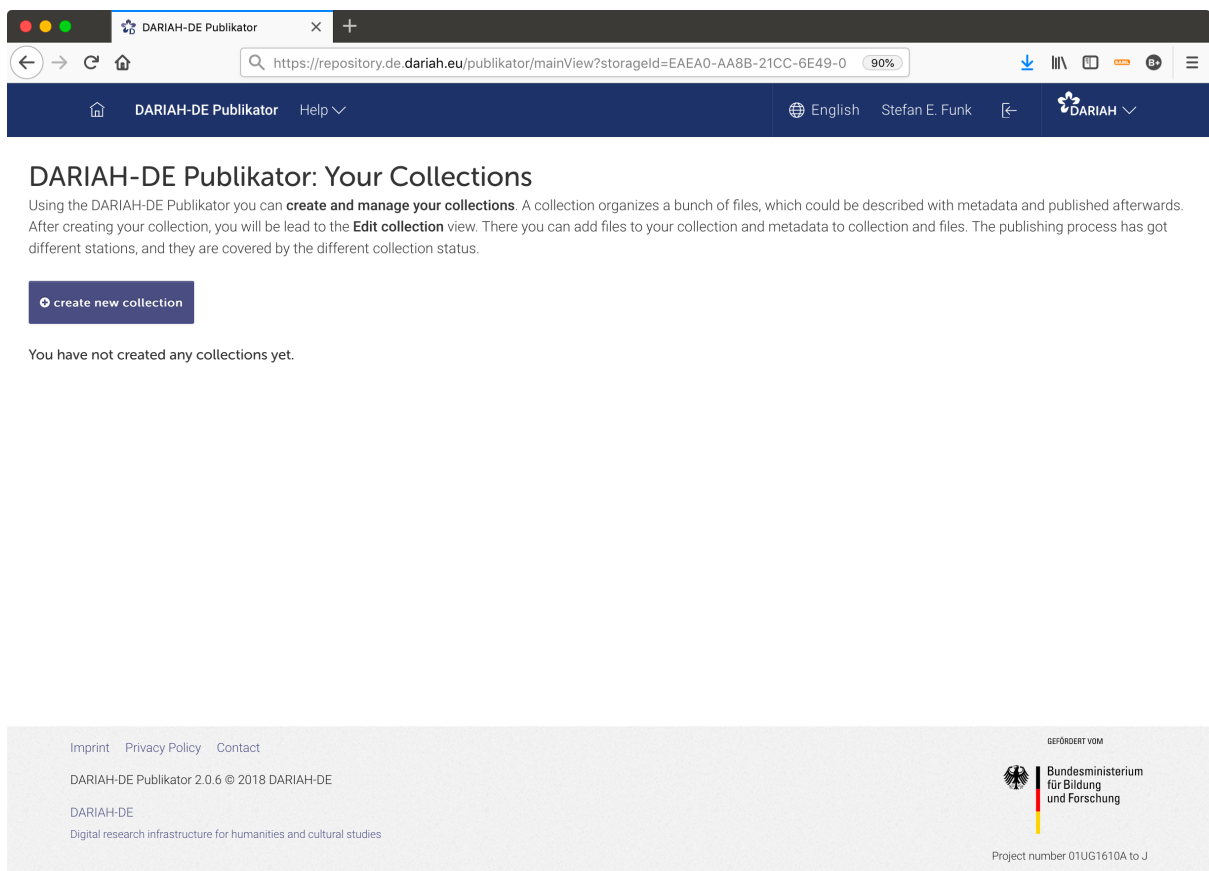


Fig. 3.1: Collection Overview Page

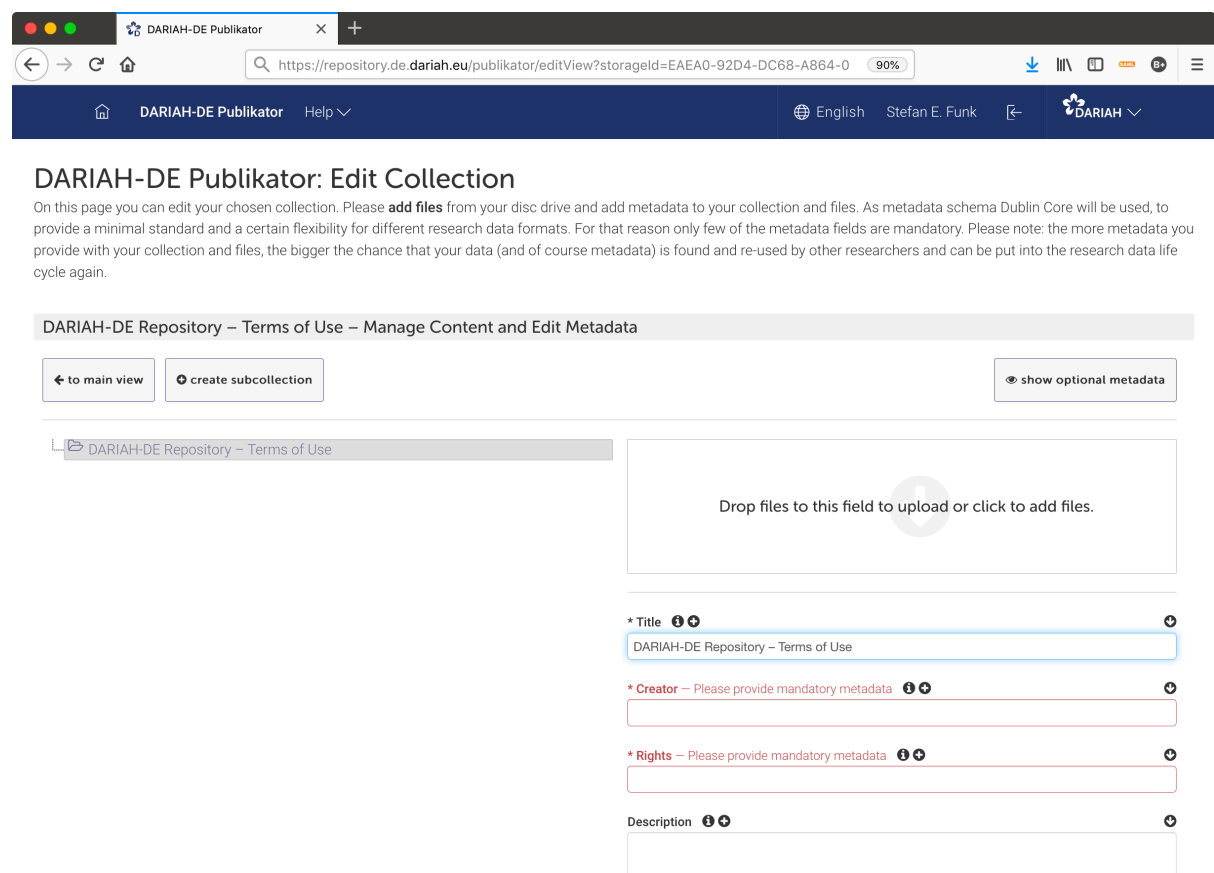


Fig. 3.2: Collection Edit View in Publikator



### 3.2.3 Integrating Files (and More Metadata)

You can now add your research data as files by clicking on the field *Drop files...* or drag and drop your files directly into this field. The uploaded files will appear in the left collection tree. Two metadata fields are automatically assigned: The filename is used as the title, and the format comes from the mimetype of the file, which is determined automatically. You are welcome to change or delete this data. The three metadata fields mentioned above are also mandatory for each file.

However, if you add many files to your collection, you do not have to enter all the metadata for each file individually. For all fields, such as creator, author, or licensing, you can select the title of your collection in the tree, and then click on arrow-down. Then the content of the selected field (eg rights management) is copied to the current level with all directly associated files to the collection. If there is existing content, this information will not be deleted, but a further field will be added. Be careful to not inadvertently pick up the title of the collection for all files. There is **not yet** a *back* or *undo* function!

In the following screenshot you see the edit collection view with optional metadata fields of the sample collection:

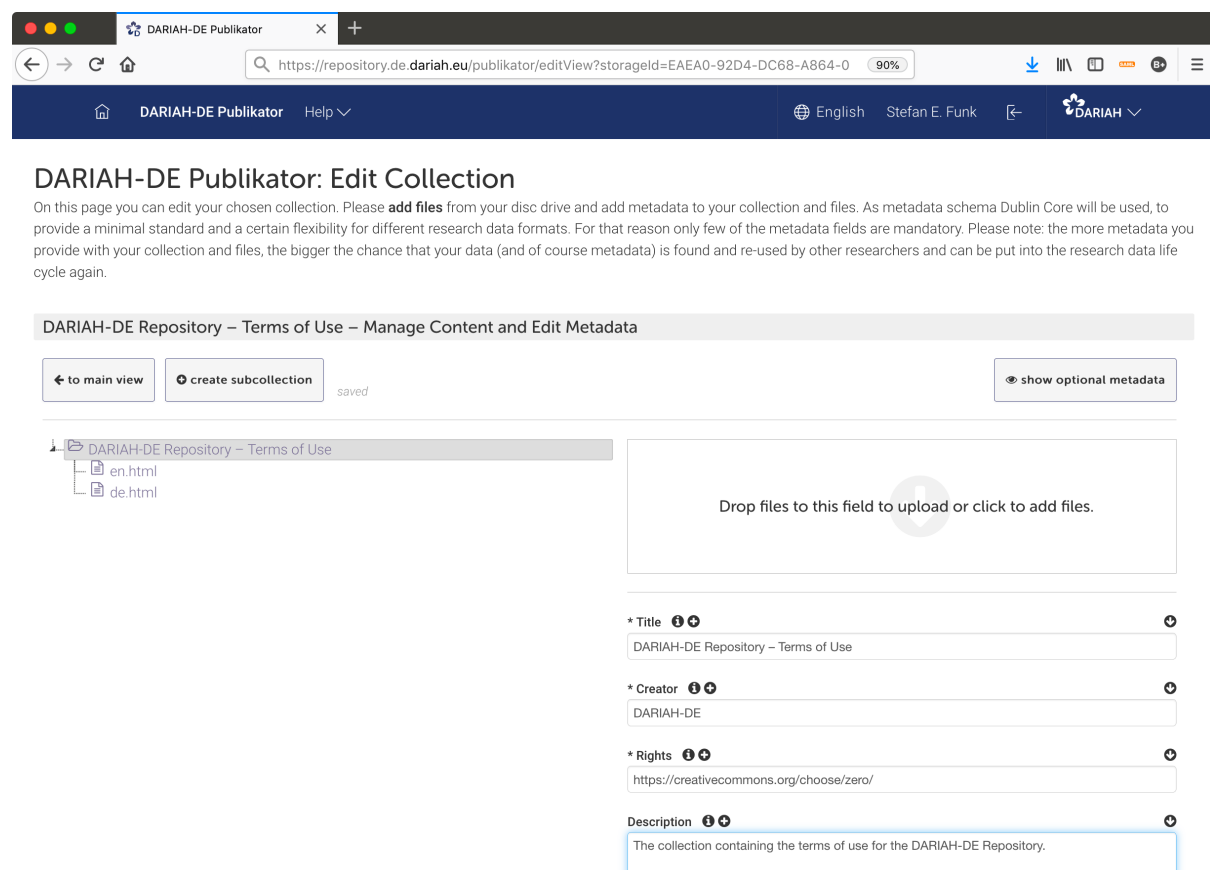


Fig. 3.3: Edit Collection Metadata

In the second screenshot below you can see the view of the metadata of the attached file. Each file and the collection has its own set of metadata. You can edit them independently. If you have selected a file on the left tree, you can *view the file*, *remove the file*, and *update the file*. If the

file is deleted, it is removed from the OwnStorage, including the metadata. File and metadata are no longer available in the DARIAH-DE Publikator. Of course the file will remain on your hard disk. If you want to update the file, for example because you have made local changes to it, you can exchange the file by updating it.

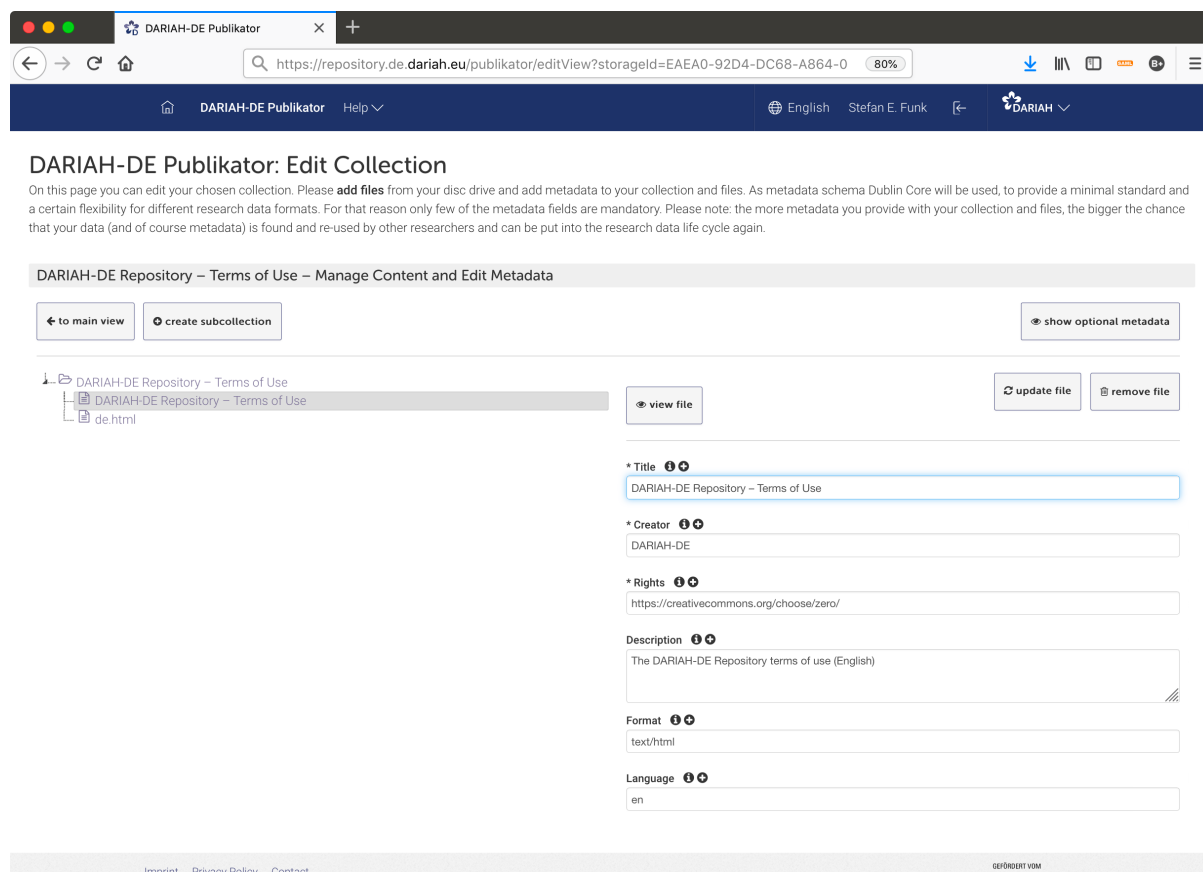


Fig. 3.4: Edit Metadata for Files

### 3.2.4 Ordering of Files and Collections

By default the files are sorted by the order of the upload. You can change this order by using drag and drop on the left tree. You can also move files into subcollections and change the order of subcollections.

## 3.3 Back to the Overview Page

You can edit your collection as often as you want, the data and metadata are stored in the Publikator safely until you publish them. Once you have finished editing your collection, you can go back to the overview by clicking on the button *to main view* and work on your collection at any time. You will see a list of your collections in the overview, and if you come directly from the edit mode, the last edited collection will already be opened.

The screenshot shows the DARIAH-DE Publikator web interface. The browser address bar shows the URL: `https://repository.de.dariah.eu/publikator/mainView?storageId=EAEA0-92D4-DC68-A864-0`. The page title is 'DARIAH-DE Publikator: Your Collections'. Below the title, there is a paragraph explaining the collection creation process. A button 'create new collection' is visible. The main content area shows a collection titled 'DARIAH-DE Repository – Terms of Use' in a 'draft' status. A table lists the collection's metadata:

|                        |  |
|------------------------|--|
| Title                  | DARIAH-DE Repository – Terms of Use                                      |
| Description            | The collection containing the terms of use for the DARIAH-DE Repository. |
| Creator                | DARIAH-DE  |
| Status                 | draft  |
| Number of collections  | 1  |
| Number of files        | 2  |
| DOI of your collection | –  |

Below the table, there is a paragraph explaining the draft stage and the options to 'edit collection', 'publish collection', or 'delete collection'. At the bottom of the page, there is a footer with links for 'Imprint', 'Privacy Policy', and 'Contact', and a logo for the 'Bundesministerium für Bildung'.

Fig. 3.5: Collection Overview

You can now create additional collections or continue working with the already existing ones. Since you are logged in to the DARIAH-DE Portal, the collections of this view are only visible to you as long as they are not published. These collections are in status DRAFT. The field below explains the possibilities for you to proceed with the collection:

---

### Note: Status: DRAFT

Your collection is in the draft stage and is only visible to you. Click **edit collection** to add files to your collection, and enrich the collection and its content with metadata. Please note that some metadata fields must be completed before you can publish the collection. You also have optional metadata fields that will increase the visibility of your collection after publication.

If you have finished editing your collection and you are happy with all your metadata, you can **publish the collection**: Your collection and all the files contained in it will get Digital Object Identifier (DOIs) during the publication process and can thus be permanently and unambiguously referenced.

You can also **delete the collection** and all contained files including metadata from the Publikator, leaving your source files on your hard drive. Published collections can be deleted from the Publikator, but not from the DARIAH-DE Repository.

---

## 3.4 Publish Your Collection

If you are now satisfied with your collection, which means that you have added all files and metadata information (at least the mandatory), then you can click the *publish collection* button.

**Warning:** Please be aware that all data and metadata are **publicly accessible after the publication process and can no longer be deleted by you!**

### 3.4.1 Status: running

After confirming that you have all necessary rights to publish the content and accepting the terms of use you will get a note that your collection and the related data can then no longer be deleted from the DARIAH-DE Repository. After confirming you will get a message that the publishing process has been started and after a short time the status of your collection changes to the status RUNNING.

During the publication process many modules are processed, which are described in the info boxes of this documentation below (for the work with the Publikator you can skip it). Data and metadata of your collection will be passed on by the DARIAH-DE Publikator to the DARIAH-Publish Service and from there to the DARIAH-crud service. Information about the status of the publication process are displayed in the blue box. This information comes directly from the Publish Service. Partly, they are quite technical.

---

### Note: The DARIAH-Publish Service...

...is a workflow service that performs various steps within the publication.

---

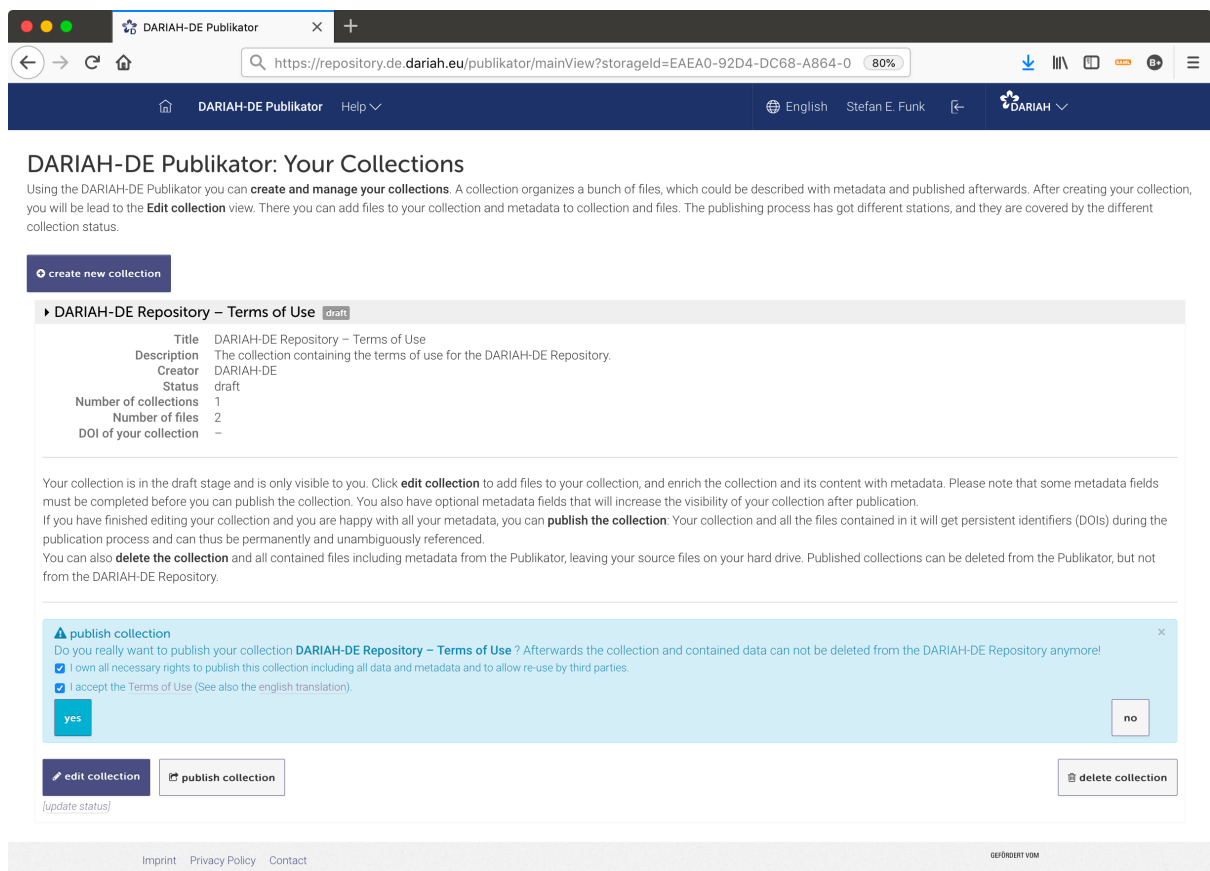


Fig. 3.6: Confirmation of the Terms of Usage

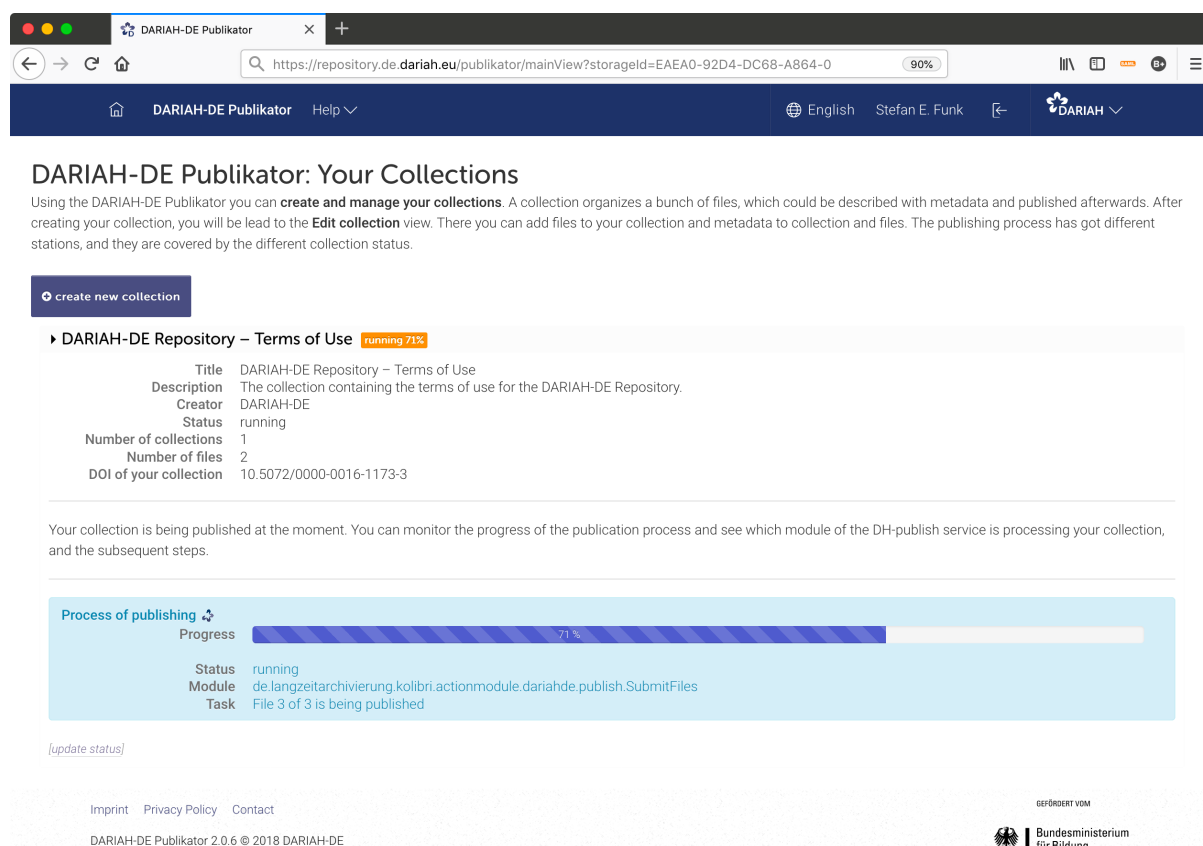


Fig. 3.7: Publication Progress

Among other things, the metadata is validated, references to objects within the imported collection are converted to Digital Object Identifier (DOIs) and technical metadata is generated. Finally, after the creation of the collection file, all referenced data, including metadata are passed from the OwnStorage (by reference) on to the DARIAH-crud.

If the publication service is successfully terminated, your collection has been successfully published. This means initially that

- all files were written to the PublicStorage, where they are publicly accessible,
- all files have a DOI,
- the collection and its contents can be queried via the DARIAH OAI-PMH service, and
- a draft collection description has been created for your published collection in the Collection Registry.

This collection description can then be supplemented and published, so that the collection can be indexed by the DARIAH Generic Search via OAI-PMH. Only after registering the data in the Generic Search, the collection data can also be searched via the Generic Search.

### Note: The DARIAH-crud Service...

...is the storage service of the DARIAH-DE Repository and provides basic storage operations.

Two instances of the DH-crud service are in operation. One can only be reached internally



(eg from the DARIAH-publish service). This is primarily responsible for the generation and administration of data. Here the metadata and data of all objects

- are stored in DARIAH-DE PublicStorage,
- are entered into the index database for later retrieval by OAI-PMH service, and
- get a DOI which uniquely identifies and references each object.

The second instance, which allows read-only access to the data, can be accessed externally. It returns data and metadata of the stored objects, as well as a small and fine index page for an overview of the collection and its contents.

### 3.4.2 Status: published

If the publication process has been successful, the status of your collection changes from RUNNING to PUBLISHED. The overview looks like this (the published collection is expanded in this screenshot):

The screenshot shows a web browser window with the URL `https://repository.de.dariah.eu/publikator/mainView?storageId=EAEA0-92D4-DC68-A864-0`. The page title is 'DARIAH-DE Publikator: Your Collections'. Below the title, a message states: 'Using the DARIAH-DE Publikator you can **create and manage your collections**. A collection organizes a bunch of files, which could be described with metadata and published afterwards. After creating your collection, you will be lead to the **Edit collection** view. There you can add files to your collection and metadata to collection and files. The publishing process has got different stations, and they are covered by the different collection status.'

A button 'create new collection' is visible. Below it, a collection titled 'DARIAH-DE Repository - Terms of Use' is shown with a 'published' status. The collection details are as follows:

|                        | Title  |
|------------------------|--|
| Description            | DARIAH-DE Repository - Terms of Use                                      |
| Creator                | The collection containing the terms of use for the DARIAH-DE Repository. |
| Status                 | DARIAH-DE  |
| Number of collections  | published  |
| Number of files        | 1  |
| DOI of your collection | 2  |
|                        | 10.5072/0000-0016-1173-3   |

Below the table, a congratulatory message states: 'Congratulations! Your collection is now published and thus publicly accessible and **referenced** via the displayed persistent identifier (DOI). You can display your collection through a landing page of the repository. From there, you have direct access to the data and metadata of your collection, and you can view descriptive, technical, and administrative metadata. Furthermore, you have access to all the related objects in your collection.'

Further instructions follow: 'If your collection and its contents are to be indexed via the DARIAH-DE Generic Search, please **add** the collection at the **Collection Registry**. A draft of your collection description has already been submitted there. Please add all necessary information before publishing your description in the Collection Registry, for making it available via the DARIAH-DE Generic Search.'

A warning message states: 'If you want to **delete your collection**, the data and metadata are only deleted in the DARIAH-DE Publikator, but not in the DARIAH-DE Repository!'

At the bottom, there are three buttons: 'add to Collection Registry', 'show in repository', and 'delete collection'. A link '[update status]' is also present.

The footer contains links for 'Imprint', 'Privacy Policy', and 'Contact', along with the text 'DARIAH-DE Publikator 2.0.6 © 2018 DARIAH-DE' and the logo of the 'Bundesministerium für Bildung'.

Fig. 3.9: Collection Overview Page After Publication

The generated Digital Object Identifier of your collection is displayed in the table as the DOI of the collection ([doi:10.20375/0000-000B-C8EF-7](https://doi.org/10.20375/0000-000B-C8EF-7)). The displayed link refers (using a DOI resolver) to the landing page of the object. You have access to all data and metadata.



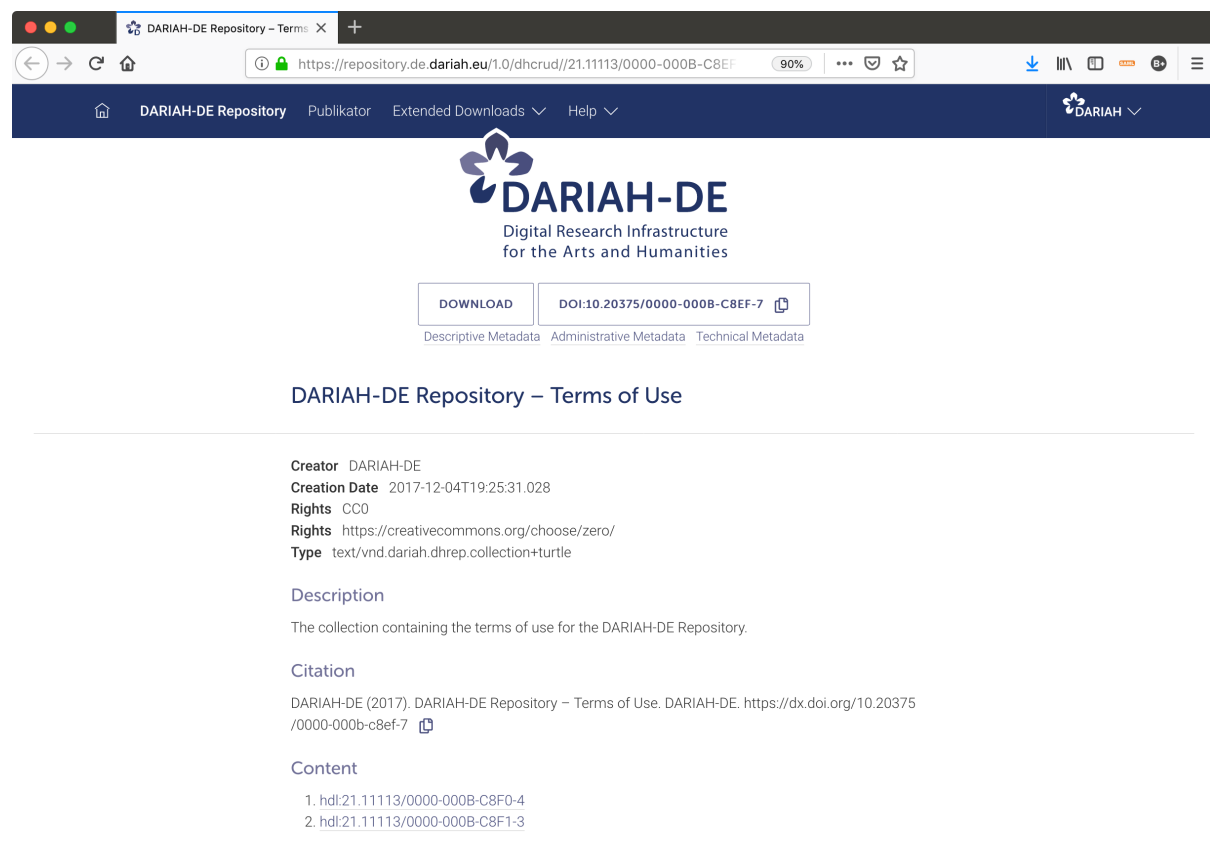
**Note: Status: PUBLISHED**

**Congratulations!** Your collection is now published and thus publicly accessible and **referenced** via the displayed persistent identifier (DOI). You can **display your collection** through a landing page of the repository. From there, you have direct access to the data and metadata of your collection, and you can view descriptive, technical, and administrative metadata. Furthermore, you have access to all the related objects in your collection.

If you want to index your collection and its contents via the DARIAH-DE Generic Search, please **add** the collection to the **Collection Registry**. A draft of your collection description has already been submitted there. Please add all necessary information before publishing your description in the Collection Registry, for making it available via the DARIAH-DE Generic Search.

If you want to **delete your collection**, the data and metadata are only deleted in the DARIAH-DE Publikator, but not in the DARIAH-DE Repository!

Via the landing page you can get a quick overview of your collection and its data. You can see some core metadata of the respective collection or content file and you can download all data and metadata.



**DARIAH-DE**  
Digital Research Infrastructure  
for the Arts and Humanities

[DOWNLOAD](#) DOI:10.20375/0000-000B-C8EF-7

[Descriptive Metadata](#) [Administrative Metadata](#) [Technical Metadata](#)

### DARIAH-DE Repository – Terms of Use

**Creator** DARIAH-DE  
**Creation Date** 2017-12-04T19:25:31.028  
**Rights** CC0  
**Rights** <https://creativecommons.org/choose/zero/>  
**Type** text/vnd.dariah.dhrep.collection+turtle

**Description**  
 The collection containing the terms of use for the DARIAH-DE Repository.

**Citation**  
 DARIAH-DE (2017). DARIAH-DE Repository – Terms of Use. DARIAH-DE. <https://dx.doi.org/10.20375/0000-000b-c8ef-7>

**Content**  
 1. [hdl:21.11113/0000-000B-C8F0-4](https://dx.doi.org/10.20375/0000-000B-C8F0-4)  
 2. [hdl:21.11113/0000-000B-C8F1-3](https://dx.doi.org/10.20375/0000-000B-C8F1-3)

Fig. 3.10: Landing Page of the Published Collection

You can retrieve various generated and saved metadata for each file as well as for the collection itself. All metadata and files can also be found in the bagit bag, which stores each of your files together with their metadata in a ZIP file. The collection itself is also stored in the repository

as a single file, which refers to its content files via DOI. For each file, the bagit bag includes the file itself plus descriptive metadata (Dublin Core Simple Metadata you already provided, see above), administrative metadata (provided by the DARIAH-crud service) and automatically extracted technical metadata. These bagit bags are stored in the DARIAH-DE PublicStorage.

More about the DARIAH-crud API you can find in the menu: *Help > Repository API Documentation* or directly [HERE](#).

Further, more technical, links and references such as Handle metadata or links directly to DARIAH-DE OAI-PMH service of your collection, you can find on the index page of your objects, see *Extended Downloads > Index page of this object*.

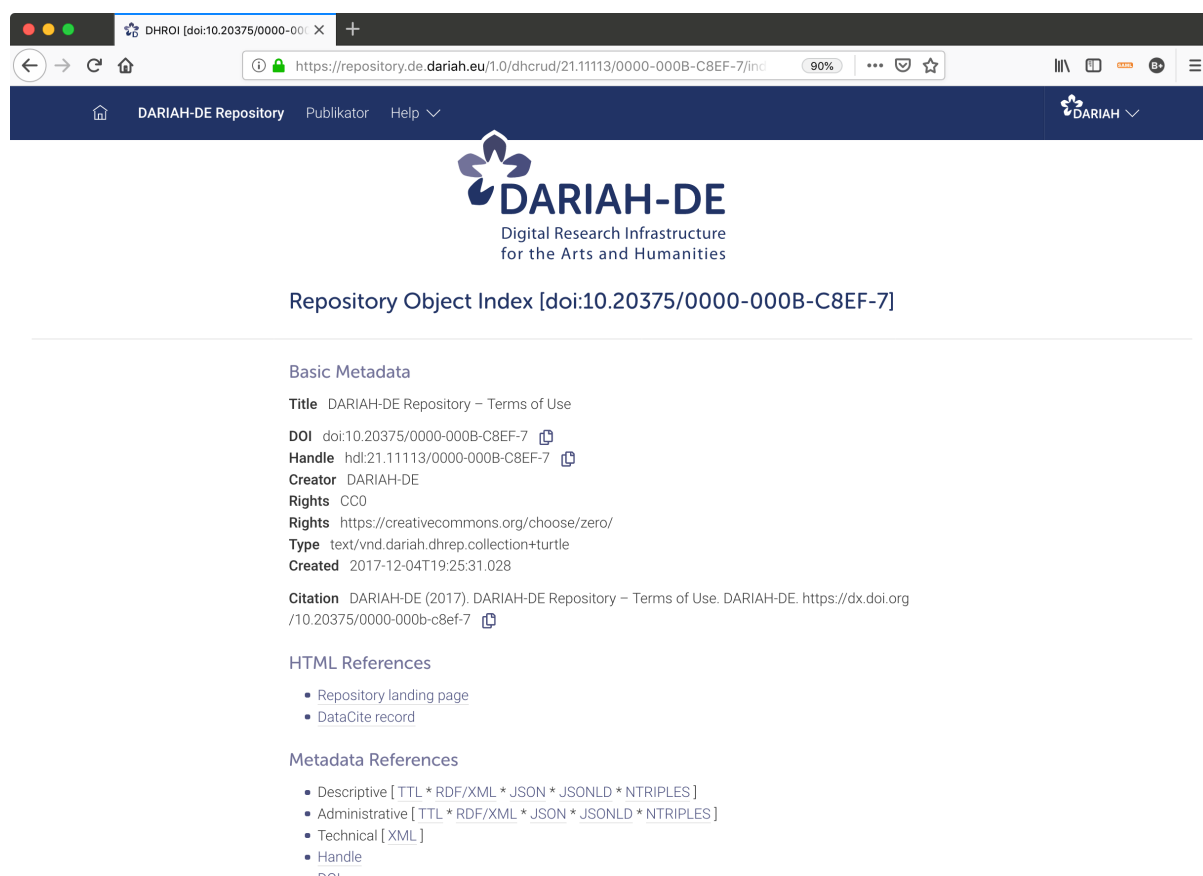


Fig. 3.11: Index Page of the Published Collection

### 3.4.3 Status: error

If errors occur during the publication process, the status of your collection changes to ERROR. You will first see a general error description concerning your collection.

You will get a detailed description of the problem by clicking on *show error details*. In some cases, you can also jump directly to problematic places from your collection, which you need to correct to restart the publication process of your collection.

In our example, some mandatory metadata are missing. You can click on the *edit* button (the one with the pencil) to correct this error. After you have made the corrections you can start

The screenshot shows the DARIAH-DE Publikator web interface. The browser address bar displays the URL: `https://repository.de.dariah.eu/publikator/mainView?storageId=EAEA0-92D4-DC68-A864-0`. The page title is "DARIAH-DE Publikator: Übersicht über Ihre Kollektionen".

The main content area shows a table with the following data:

| DARIAH-DE Repository – Terms of Use <span style="color: red;">Fehler</span> |  |
|---|--|
| Titel   | DARIAH-DE Repository – Terms of Use                                      |
| Beschreibung  | The collection containing the terms of use for the DARIAH-DE Repository. |
| Schöpfer  | DARIAH-DE  |
| Status  | Fehler   |
| Anzahl der Kollektionen   | 1  |
| Anzahl der Dateien  | 2  |
| DOI Ihrer Kollektion  | -  |

Below the table, a message states: "Während des letzten Publikationsvorgangs sind leider Fehler aufgetreten! Die Kollektion konnte nicht oder nicht vollständig publiziert werden! Bitte **bearbeiten** Sie Ihre Kollektion und schauen Sie sich die **Fehlerdetails** an und kontrollieren Sie Ihre Metadaten. Nach Kontrolle und Korrektur können Sie jederzeit die **Kollektion** erneut **publizieren** bzw. den Vorgang fortsetzen oder Ihre **Kollektion löschen**, wobei Ihre Quelldateien auf Ihrer Festplatte verbleiben."

A red error message box displays the following details:

| Fehlermeldung des Publish-Dienstes |  |
|------------------------------------|--|
| Status der Publikation             | ERROR  |
| Fehler in Modul                    | de.langzeitarchivierung.kolibri.actionmodule.dariahde.publish.CheckCollections |
| Fehlerbeschreibung                 | -  |
| Fortschritt                        | 24%  |

At the bottom of the interface, there are four buttons: "Kollektion bearbeiten", "Kollektion publizieren", "zeige Fehlerdetails", and "Kollektion löschen".

The footer contains the following information:

Impressum | Datenschutzerklärung | Kontakt

DARIAH-DE Publikator 2.0.6 © 2018 DARIAH-DE

DARIAH-DE  
Digitale Forschungsinfrastruktur für die Geistes- und Kulturwissenschaften

GEFÖRDERT VOM  
Bundesministerium  
für Bildung  
und Forschung

Fig. 3.12: Error During Publication Process

**DARIAH-DE Publikator: Übersicht über Ihre Kollektionen**

Hier im DARIAH-DE Publikator können Sie **neue Kollektionen anlegen** und Ihre Kollektionen verwalten. Eine Kollektion ist eine Sammlung von Dateien, die mit Metadaten beschrieben werden und die Sie anschließend veröffentlichen können. Nach dem Anlegen einer Kollektion gelangen Sie in die Ansicht **Kollektion bearbeiten**. Dort können Sie Dateien hinzufügen und die Kollektion sowie die einzelnen Dateien mit Metadaten versehen. Der Arbeitsablauf zur Veröffentlichung einer Kollektion hat verschiedene Stationen, und diese werden in verschiedenen Status einer Kollektion abgebildet.

**neue Kollektion anlegen**

► **DARIAH-DE Repository – Terms of Use** Fehler

|                         |  |
|-------------------------|--|
| Titel                   | DARIAH-DE Repository – Terms of Use                                      |
| Beschreibung            | The collection containing the terms of use for the DARIAH-DE Repository. |
| Schöpfer                | DARIAH-DE  |
| Status                  | Fehler   |
| Anzahl der Kollektionen | 1  |
| Anzahl der Dateien      | 2  |
| DOI Ihrer Kollektion    | –  |

**Während des letzten Publikationsvorgangs sind leider Fehler aufgetreten!**  
 Die Kollektion konnte nicht oder nicht vollständig publiziert werden! Bitte **bearbeiten** Sie Ihre Kollektion und schauen Sie sich die **Fehlerdetails** an und kontrollieren Sie Ihre Metadaten.  
 Nach Kontrolle und Korrektur können Sie jederzeit die **Kollektion** erneut **publizieren** bzw. den Vorgang fortsetzen oder Ihre **Kollektion löschen**, wobei Ihre Quelldateien auf Ihrer Festplatte verbleiben.

**Fehlermeldung des Publish-Dienstes**

|                        |  |
|------------------------|--|
| Status der Publikation | ERROR  |
| Fehler in Modul        | de.langzeitarchivierung.kolibri.actionmodule.dariahde.publish.CheckCollections |
| Fehlerbeschreibung     | –  |
| Fortschritt            | 24%  |

**Fehlerdetails des letzten Publikationsvorgangs**

| Statusdetail                 |        | FAILED   |                           |
|------------------------------|--------|--|---------------------------|
| URI                          | Status | [Fehlertyp] Fehlermeldung  |                           |
| Datei EAEA0-4967-3C3A-44C1-0 | ERROR  | [MISSING_METADATA] [PK7274607] Required metadata element dc:rights is missing! | <a href="#">editieren</a> |

[Kollektion bearbeiten](#) [Kollektion publizieren](#) [verberge Fehlerdetails](#) [Kollektion löschen](#)

Fig. 3.13: Error Details

the publish process again.

**Note:** If you are experiencing any errors that you feel you can not solve, please report them to [support@de.dariah.eu](mailto:support@de.dariah.eu). You can find the bugtracker at [projects.gwdg.de](https://projects.gwdg.de). We would also be happy to add you as a issue reporter, please write to [register@dariah.eu](mailto:register@dariah.eu).

## 3.5 Register Your Collection in the DARIAH-DE Collection Registry

Your collection is now securely and permanently stored in the DARIAH-DE Repository and can be persistently referenced via DOI. With the help of the DOI or a URL including handle resolver and the DOI, everyone can access your collection and its associated data. If you want to describe your collection in more detail and integrate your research data as a collection into the **Generic Search**, register your collection in the **Collection Registry** and expand and publish the already created draft of your description. To do so, please click add to Collection Registry.

Depending on your browser configuration you will probably be asked again for your federation account. Please log in with the same credentials you logged on to the Publikator. Normally you will be logged in to the Collection Registry with your current Publikator account.

The screenshot displays the DARIAH-DE Collection Registry web application. The browser window shows the URL <https://colreg.de.dariah.eu/colreg-ui/>. The interface has a dark blue header with navigation links: 'Your Drafts: 1', 'Collections', 'Agents', 'Vocabularies', and 'Help'. The main content area features the DARIAH-DE logo and the text 'Digitale Forschungsinfrastruktur für die Geistes- und Kulturwissenschaften'. Below this, the 'Collection Registry' section shows '213 collection descriptions' and '262 agents' with a network graph visualization. The 'Latest activity' section lists recent actions: 'DARIAH-DE Repository – Terms of Use' with timestamps and user emails, and 'Digitaless Personenregister der'. The footer contains links for 'Imprint', 'Privacy', 'Contact', and 'GitLab', along with licensing information and the logo of the German Federal Government.

Fig. 3.14: The Collection Registry

You now will be taken to the Collection Registry. Select the item *Collections* at the top of the

menu bar and after that your drafts in the menu on the left, or click directly on the title of your collection on the right side under *Latest Activities*.

The screenshot shows the DARIAH-DE Collection Registry web interface. The browser address bar displays <https://colreg.de.dariah.eu/colreg-ui/drafts/?lang=en>. The navigation bar includes links for 'Your Drafts: 1', 'Collections', 'Agents', 'Vocabularies', and 'Help'. The main content area is titled 'Collection drafts' and features a table with one entry. Above the table are filters for 'Show' (set to 10) and 'Filter'. A 'ADD COLLECTION' button is in the top right. The table has columns for 'Image', 'Title', 'Collection types', 'Access', and 'Current version'. The single entry is for 'DARIAH-DE Repository – Terms of Use', with a 'Draft' status and a 'No image available' placeholder. The footer contains links for 'Imprint', 'Privacy', 'Contact', and 'GitLab', along with licensing information and the DARIAH-DE logo.



| Image   | Title                               | Collection types     | Access | Current version              |
|---|-------------------------------------|----------------------|--------|------------------------------|
|   | DARIAH-DE Repository – Terms of Use | DARIAH-DE Repository |        | January 16, 2019 12:40:17 PM |

Fig. 3.15: List of Collection Drafts

Now click on the link to the right of the list with the correct title and you will be taken to the collection description of your collection:

If you wish to add more information to your collection, please switch on *Show hints* (Editor options on the left). If you want to index the collection in the generic search, you must not delete or modify the access data (OAI-PMH) under *Collection Access*.

After saving and publishing your collection, it will be indexed by the Generic Search and the contents of your collection can be found there.

### 3.5.1 Status: registered

**Congratulations!** Your collection and research data are now published in the DARIAH-DE Repository and the corresponding collection description is registered in the Collection Registry. The status of your collection now is REGISTERED!

**Note:** If the status of your collection stays in the PUBLISHED state, please click on the link *[update status]* in the lower left part of your collection description. The status is then updated directly from the server and not from the cache.

**Collection editor**

This is a **draft** collection entry, which is (even through its permalink) only visible to you.

**Mandatory description**

| Description sets | Title                               | Acronym | Language |
|------------------|-------------------------------------|---------|----------|
|                  | DARIAH-DE Repository – Terms of Use |         | deu      |

+ ADD DESCRIPTION SET

Collection types: DARIAH-DE Repository

+ ADD TYPE

Collection description rights: CC0 (Creative Commons Zero)

**Editor options**  
☐ Show hints

**Properties**

**MANDATORY DESCRIPTION**  
 ▶ Description sets ▶ Collection types  
 ▶ Collection description rights ▶ Access rights

**CONTACT AND AGENTS**  
 ▶ Homepage ▶ E-Mail ▶ Locations ▶ Agents

**CONTENT RELATED**  
 ▶ Item languages ▶ Subjects ▶ Temporal detail  
 ▶ Spatial detail ▶ Collection created ▶ Items created  
 ▶ Item types ▶ Size

**CONTEXT**  
 ▶ Collection relations ▶ Identifiers ▶ Audiences  
 ▶ Provenance ▶ Associated project ▶ Images  
 ▶ Image rights

**COLLECTION POLICY**  
 ▶ Accrual ▶ Content rights

**COLLECTION ACCESS**  
 ▶ Access

Fig. 3.16: Collection Editor

**Identification & Administration**

Collection ID: <https://colreg.de.dariah.eu:443/colreg-ui/collections/5c3f182161432f3848c1aed5>

Version ID: <https://colreg.de.dariah.eu:443/colreg-ui/collections/5c3f182161432f3848c1aed6>

Current version: January 16, 2019 12:40:17 PM (stefanfunkt@dariah.eu)

Created: January 16, 2019 12:40:17 PM (stefanfunkt@dariah.eu)

Administration: This collection has no subordinate collections and could be deleted. It would still be accessible via its permalink.

**DELETE** **SAVE & PUBLISH**

**Editor options**  
☐ Show hints

**Properties**

**MANDATORY DESCRIPTION**  
 ▶ Description sets ▶ Collection types  
 ▶ Collection description rights ▶ Access rights

**CONTACT AND AGENTS**  
 ▶ Homepage ▶ E-Mail ▶ Locations ▶ Agents

**CONTENT RELATED**  
 ▶ Item languages ▶ Subjects ▶ Temporal detail  
 ▶ Spatial detail ▶ Collection created ▶ Items created  
 ▶ Item types ▶ Size

**CONTEXT**  
 ▶ Collection relations ▶ Identifiers ▶ Audiences  
 ▶ Provenance ▶ Associated project ▶ Images  
 ▶ Image rights

**COLLECTION POLICY**  
 ▶ Accrual ▶ Content rights

**COLLECTION ACCESS**  
 ▶ Access

**IDENTIFICATION & ADMINISTRATION**  
 ▶ Collection ID ▶ Version ID ▶ Current version  
 ▶ Created ▶ Administration

Imprint Privacy Contact GitLab

Unless stated otherwise all content of this site are licensed under CC-BY-4.0-License.

DARIAH-DE  
 Digital research infrastructure for humanities and cultural studies

GEFÖRDERT VOM  
 Bundesministerium für Bildung und Forschung

Project number 01UG1610A to J

Fig. 3.17: Save and Publish Collection Description

The screenshot shows a web browser window with the URL `https://repository.de.dariah.eu/publikator/mainView`. The page title is "DARIAH-DE Publikator: Your Collections". Below the title, there is a paragraph explaining the collection management process. A button "create new collection" is visible. The main content area shows a collection titled "DARIAH-DE Repository – Terms of Use" with a status of "registered". A table lists the collection's metadata: Title, Description, Creator, Status, Number of collections, Number of files, and DOI of your collection. Below the table, a congratulatory message states that the collection has been published and registered in the Collection Registry. At the bottom, there are buttons for "Collection Registry", "Generic Search", "show in repository", and "delete collection".

**DARIAH-DE Publikator: Your Collections**

Using the DARIAH-DE Publikator you can **create and manage your collections**. A collection organizes a bunch of files, which could be described with metadata and published afterwards. After creating your collection, you will be lead to the **Edit collection** view. There you can add files to your collection and metadata to collection and files. The publishing process has got different stations, and they are covered by the different collection status.

[create new collection](#)

► **DARIAH-DE Repository – Terms of Use** registered

|                        |   |
|------------------------|---|
| Title                  | DARIAH-DE Repository – Terms of Use   |
| Description            | The collection containing the terms of use for the DARIAH-DE Repository.          |
| Creator                | DARIAH-DE   |
| Status                 | registered  |
| Number of collections  | 1   |
| Number of files        | 2   |
| DOI of your collection | <a href="https://doi.org/10.20375/0000-000B-C8EF-7">10.20375/0000-000B-C8EF-7</a> |

**Congratulations!** Your collection has successfully been published to the DARIAH-DE Repository and now is additionally registered in the **Collection Registry**. It will shortly be accessible via **Generic Search**, and then be publicly searchable there.

[Collection Registry](#) [Generic Search](#) [show in repository](#) [delete collection](#)

[update status]

Imprint Privacy Policy Contact

DARIAH-DE Publikator 2.0.6 © 2018 DARIAH-DE

DARIAH-DE


GEFÖRDERT VOM  
 Bundesministerium  
für Bildung  
und Forschung

Fig. 3.18: The Registered Collection in the Collection Overview Page



In addition to the publication in the DARIAH-DE Repository and the *referencing* via the displayed identifier (DOI), your collection is now also registered in the Collection Registry. The collection description contains the link of your collection in the DARIAH-DE Repository and is therefore now also indexed by the *Generic Search*. It will only take a few minutes for your content to be publicly searchable.

If you wish, you can delete your collection from the collection overview after publishing. It will only be removed from your (Publikator's) OwnStorage and from the list of your publications. It stays accessible via DOI, DH-crud, OAI-PMH, and Generic Search (if registered via Collection Registry).

## Citation and Subsequent Use

### 3.6 Digital Object Identifier (DOIs)

The verification of your collection and the data contained is mainly provided by the Digital Object Identifier. The collection itself as well as each individual content file gets such a DOI and it looks as follows:

10.20375/0000-000B-C8EF-7

You can now use this DOI as a reference to your collection and your research data. As a DOI and identifier you should use it as following:

doi:10.20375/0000-000B-C8EF-7

If you want to use or share a URL at the same time, you can simply use every DOI resolver:

[dx.doi.org/10.20375/0000-000B-C8EF-7](https://dx.doi.org/10.20375/0000-000B-C8EF-7)

### 3.7 Landing and Index Pages, Data, and Metadata

You can also reference all metadata and data files directly using the EPIC2 Handle (this is not possible using DOIs):

**Landing page** [hdl.handle.net/21.11113/0000-000B-C8EF-7@landing](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@landing)

**Index Page** [hdl.handle.net/21.11113/0000-000B-C8EF-7@index](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@index)

**Data** [hdl.handle.net/21.11113/0000-000B-C8EF-7@data](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@data)

**Descriptive metadata** [hdl.handle.net/21.11113/0000-000B-C8EF-7@metadata](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@metadata)

**Administrative metadata** [dx.doi.org/10.20375/0000-000B-C8EF-7@adm](https://dx.doi.org/10.20375/0000-000B-C8EF-7@adm)

**Technical Metadata** [hdl.handle.net/21.11113/0000-000B-C8EF-7@tech](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@tech)

**ZIP file containing data and metadata (BagIt)**

[hdl.handle.net/21.11113/0000-000B-C8EF-7@bag](https://hdl.handle.net/21.11113/0000-000B-C8EF-7@bag)

More access points you can find in the API documentation of [DH-crud](#) and [Resolving and Identifiere](#).

## 3.8 The Collection Description in the DARIAH-DE Collection Registry

The link to the collection description of your collection can be found in the Collection Registry.

[colreg.de.dariah.eu/colreg-ui/collections/5a25931d61432f0442ae3f90](https://colreg.de/dariah.eu/colreg-ui/collections/5a25931d61432f0442ae3f90)

## 3.9 The DARIAH-DE Generic Search

The Generic Search can be found here:

[search.de.dariah.eu](https://search.de.dariah.eu)