Notes for the Workshop

Creating, delivering and consuming IIIF Manifests within the Goobi Community

IIIF conference 2019, Göttingen

Table of content

1 Introduction

1.1 What is Goobi?

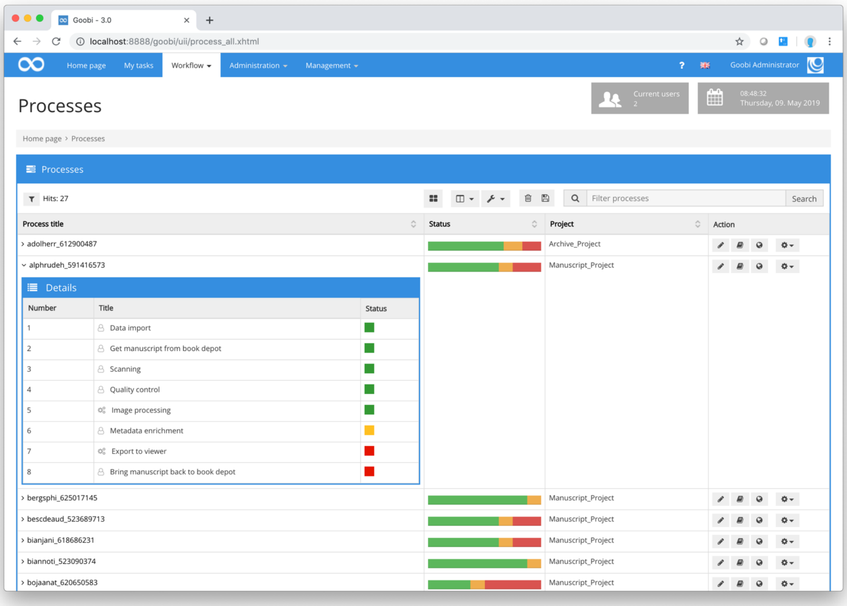
Goobi is an open-source software suite. It can be used to manage and present digitisation projects. There are two main components - Goobi workflow and Goobi viewer. There is also an extensive ecosystem of additional tools and plugins.

Goobi is currently used by over 80 cultural institutions (predominantly libraries, museums and archives) in 17 countries.

1.1.1 What is Goobi workflow?

Goobi workflow is the main workflow management component. It can be used to manage digitisation projects. Its strength lies in the flexibility it offers thanks to a wide range of plugin interfaces. As a web-based application, it can be operated independently of the user's operating system and location.

In terms of process management, Goobi workflow accepts various data, manages how those data are processed and then exports the desired results. The user can define any number of manual or automated processing steps. To help prevent potential errors, configurable validation procedures can be used at an early stage in the process to check subsets of results (e.g. files and metadata). Statistical analyses can be performed throughout the digitisation workflow giving the user a detailed picture of the project's current status. The export function supports numerous formats and targets.



Processes

Process title	Status	Project	Action
adolherr_612900487		Archive_Project	
alphrudeh_591416573		Manuscript_Project	
bergsphi_625017145		Manuscript_Project	
bescdeaud_523689713		Manuscript_Project	
bianjani_618686231		Manuscript_Project	
biannoti_523090374		Manuscript_Project	
bojaanat_620650583		Manuscript_Project	

Number	Title	Status
1	Data import	🟩
2	Get manuscript from book depot	🟩
3	Scanning	🟩
4	Quality control	🟩
5	Image processing	🟩
6	Metadata enrichment	🟨
7	Export to viewer	🟥
8	Bring manuscript back to book depot	🟥

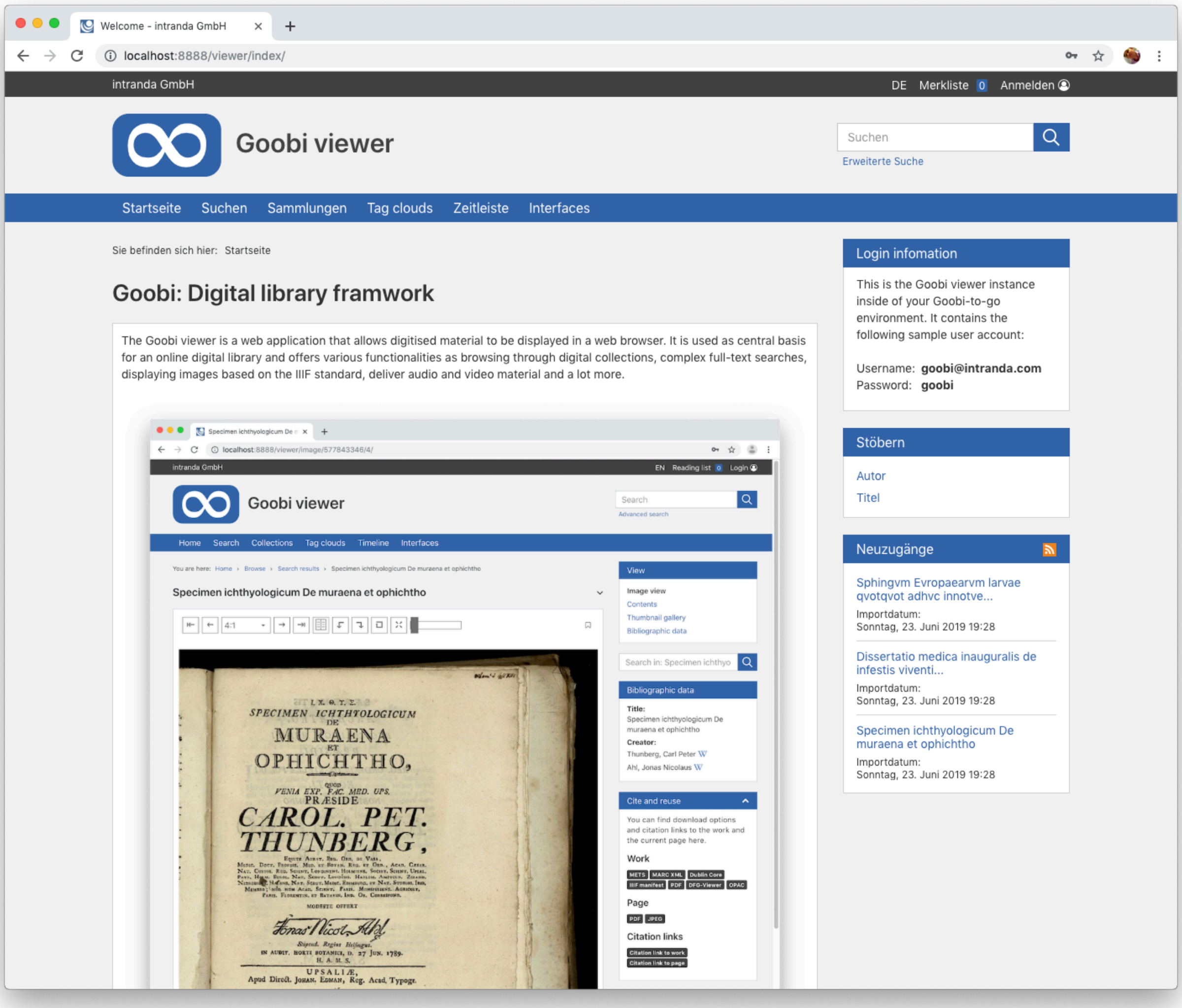
Figure 1: Process list of Goobi workflow

1.1.2 What is the Goobi viewer?

The function of the Goobi viewer is to present digital works and objects. As well as simply displaying objects, the Goobi viewer allows users to compile works into digital collections. It supports various searches and faceting within the entire data collection.

The GUI is available in several languages and can be fully adapted visually to meet individual needs. Content can be curated and individual pages created through an integrated content management system.

As well as displaying objects on the internet for end users, the Goobi viewer supports a large number and range of interfaces.


Welcome - intranda GmbH
localhost:8888/viewer/index/
intranda GmbH
DE Merkliste 0 Anmelden
Goobi viewer
Suchen
Erweiterte Suche
Startseite Suchen Sammlungen Tag clouds Zeitleiste Interfaces
Sie befinden sich hier: Startseite

Goobi: Digital library framwork

The Goobi viewer is a web application that allows digitised material to be displayed in a web browser. It is used as central basis for an online digital library and offers various functionalities as browsing through digital collections, complex full-text searches, displaying images based on the IIIF standard, deliver audio and video material and a lot more.

Specimen ichthyologicum De m
localhost:8888/viewer/image/577843346/4/
intranda GmbH
EN Reading list 0 Login
Goobi viewer
Search
Advanced search
Home Search Collections Tag clouds Timeline Interfaces
You are here: Home › Browse › Search results › Specimen ichthyologicum De muraena et ophichtho

Specimen ichthyologicum De muraena et ophichtho

Title: Specimen ichthyologicum De muraena et ophichtho

Creator: Thunberg, Carl Peter; Ahl, Jonas Nicolaus

You can find download options and citation links to the work and the current page here.

This is the Goobi viewer instance inside of your Goobi-to-go environment. It contains the following sample user account:

Username: goobi@intranda.com
Password: goobi

Sphingvm Evropaearvm larvae qvotqvot adhvc innotve...
Importdatum: Sonntag, 23. Juni 2019 19:28

Dissertatio medica inauguralis de infestis viventi...
Importdatum: Sonntag, 23. Juni 2019 19:28

Specimen ichthyologicum De muraena et ophichtho
Importdatum: Sonntag, 23. Juni 2019 19:28

Figure 2: Welcome page of the Goobi viewer

1.2 What is Goobi to go?

Goobi to go is a complete Goobi work environment. It consists of the core components Goobi workflow and Goobi viewer together with a number of selected plugins and some example data. Once you have downloaded Goobi to go as a zip file, you can launch it directly without prior installation in macOS, Microsoft Windows and Linux by simply double-clicking.

Goobi to go makes it very easy for users to evaluate individual components or try out and run through modifications without having to use a live system.

2 Preparing and installing Goobi to go

In order to install Goobi to go, you must have Java 8 on your system. If Java 8 is not already installed, you can download it for different operating systems at:

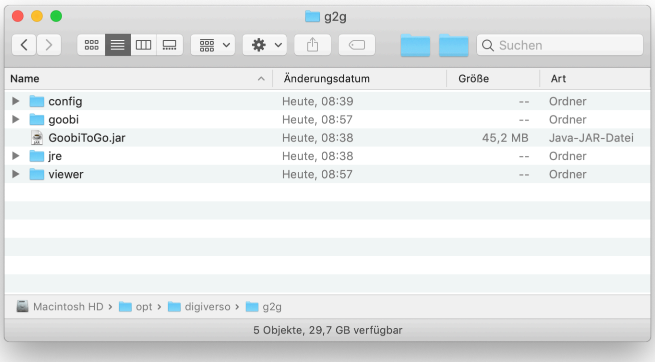
```
https://www.java.com/en/download/manual.jsp
```

If Java 8 is already installed, you can download the Goobi to go package as a zip file (g2g.zip) from:

```
https://files.intranda.com/iiif2019
```

2.1 Installing Goobi to go for macOS

After downloading the file g2g.zip,you will first need to unzip it by double-clicking. The file system will now show a folder entitled g2g with the following contents:


g2g

Name	Änderungsdatum	Größe	Art
config	Heute, 08:39	--	Ordner
goobi	Heute, 08:57	--	Ordner
GoobiToGo.jar	Heute, 08:38	45,2 MB	Java-JAR-Datei
jre	Heute, 08:38	--	Ordner
viewer	Heute, 08:57	--	Ordner

Macintosh HD › opt › digiverso › g2g

5 Objekte, 29,7 GB verfügbar

Figure 3: Goobi to go content on macOS

To launch Goobi to go, double-click the file GoobiToGo.jar. Once it has opened, the launch screen is hidden so that Goobi workflow and the Goobi viewer can be opened using the icon in the menu.

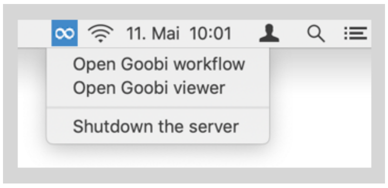
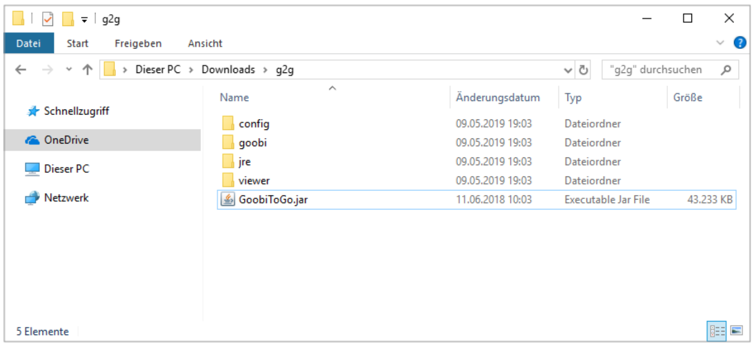


Figure 4: Menu of Goobi to go on macOS

2.2 Installing Goobi to go for Microsoft Windows

After downloading the file g2g.zip, you will first need to unzip it. The file system will now show a folder entitled g2g with the following contents:



Name	Änderungsdatum	Typ	Größe
config	09.05.2019 19:03	Dateiordner	
goobi	09.05.2019 19:03	Dateiordner	
jre	09.05.2019 19:03	Dateiordner	
viewer	09.05.2019 19:03	Dateiordner	
GoobiToGo.jar	11.06.2018 10:03	Executable Jar File	43.233 KB

Figure 5: Goobi to go content on Windows

To launch Goobi to go, double-click the file GoobiToGo.jar. Once it has opened, the launch screen is hidden so that Goobi workflow and the Goobi viewer can be opened using the icon in the Systray menu.

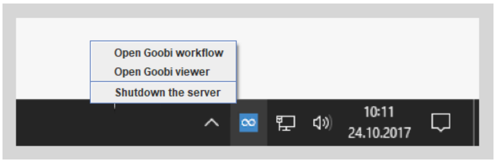


Figure 6: Menu of Goobi to go on Windows

2.3 Installing Goobi to go for Linux

After downloading the file g2g.zip, you will first need to unzip it. The file system will now show a folder entitled g2g with the following contents:

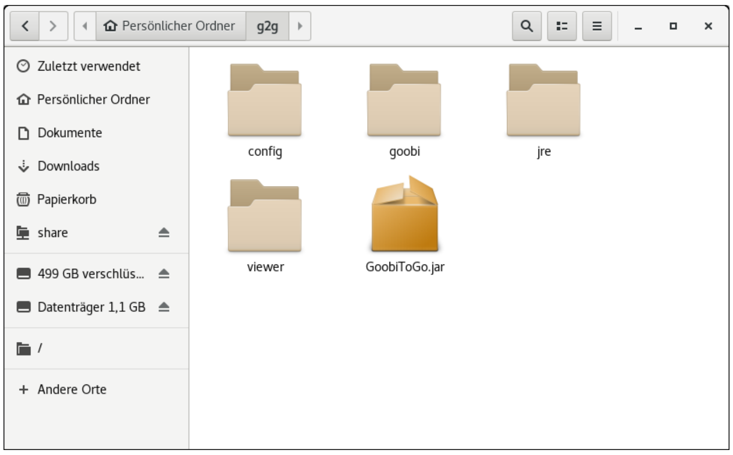


Figure 7: Goobi to go content on Linux

In the case of Linux, Goobi to go is usually launched via a command-line call. Once it has opened, the launch screen is hidden. Both Goobi workflow and the Goobi viewer can then be opened. In some Linux distributions you will now see an icon in the main menu. This can be used to open the applications.

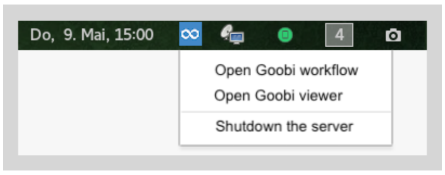


Figure 8: Menu of Goobi to go on Linux

If the menu is not displayed, you can open Goobi workflow and Goobi viewer directly in a web browser at:

```
http://localhost:8888/goobi/
http://localhost:8888/viewer/
```

All the required command-line instructions are shown below:

```
# Download Goobi to go
wget -O g2g.zip https://files.intranda.com/iiif2019

# Unzip zip file
unzip -q g2g.zip

# Open unzipped folder
cd g2g

# Launch Goobi to go
java -jar GoobiToGo.jar
```

3 Creating IIIF Manifests with Goobi

The Goobi workflow user interface is called from the following URL:

```
http://localhost:8888/goobi/
```

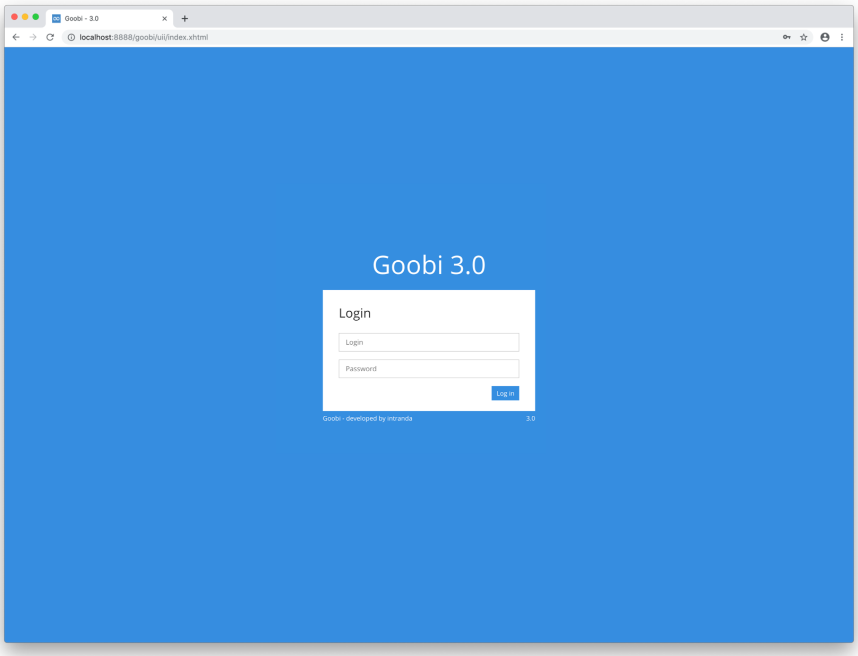

Goobi - 3.0
localhost:8888/goobi/uii/index.xhtml
Goobi 3.0
Login
Login
Password
Log in
Goobi - developed by intranda
3.0

Figure 9: Login page of Goobi workflow

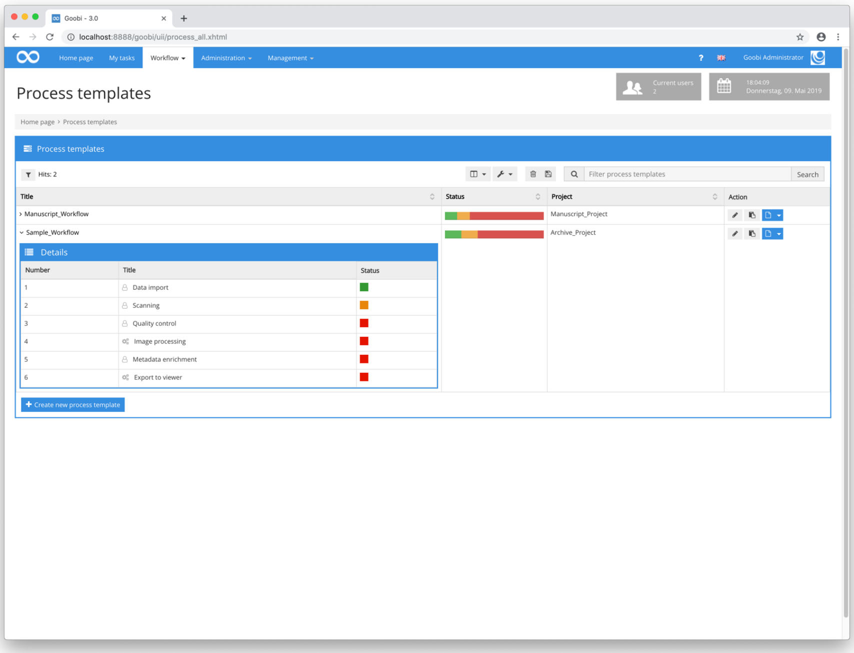
You can now enter one of the following user names in the login area:

Login	Password	Description
goobi	goobi	Administrator
testscanning	test	Scanning officer
testqc	test	Quality control officer
testmetadata	test	Metadata officer
testprojectmanagement	test	Project manager
testimaging	test	Image optimisation officer

3.1 Process an individual item through Goobi workflow

3.1.1 Create new objects

As an Administrator or Project Manager, you can create new objects in Goobi workflow. To do this, first open the list of Process templates.



Process templates

Home page › Process templates

Process templates

Hits: 2

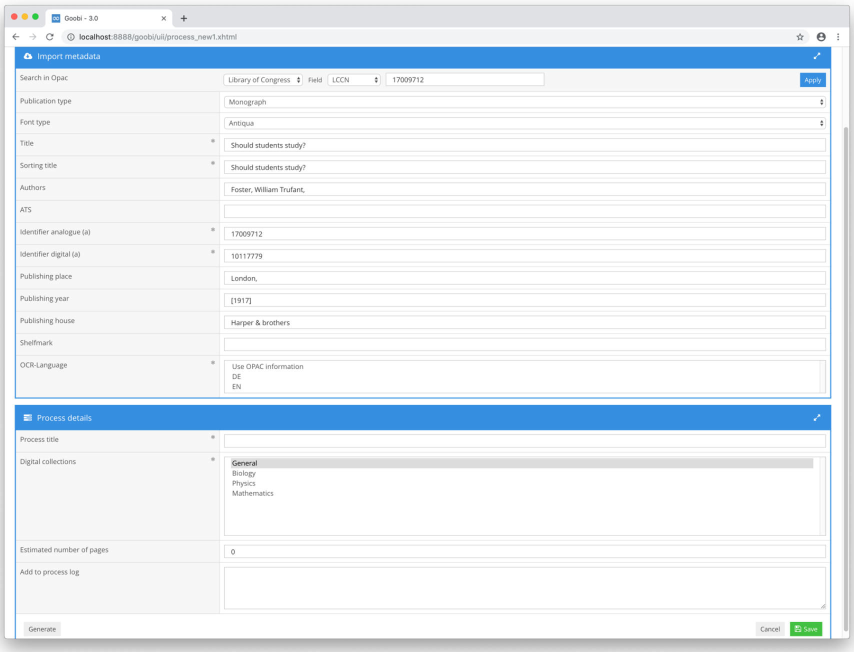
Title	Status	Project	Action
› Manuscript_Workflow		Manuscript_Project	
⌄ Sample_Workflow		Archive_Project	

Details

Number	Title	Status
1	Data import	🟩
2	Scanning	🟧
3	Quality control	🟥
4	Image processing	🟥
5	Metadata enrichment	🟥
6	Export to viewer	🟥

Figure 10: Select a workflow to create a new process

Once you have clicked the button to select a Process template, Goobi workflow will display an input form in which you can enter the relevant metadata. This can be done manually, or you can import the data from an external source, e.g. a library catalogue.



Import metadata

Search in Opac	Library of Congress · Field LCCN · 17009712
Publication type	Monograph
Font type	Antiqua
Title *	Should students study?
Sorting title *	Should students study?
Authors	Foster, William Trufant,
ATS	
Identifier analogue (a) *	17009712
Identifier digital (a) *	10117779
Publishing place	London,
Publishing year	[1917]
Publishing house	Harper & brothers
Shelfmark	
OCR-Language *	Use OPAC information DE EN

Process details

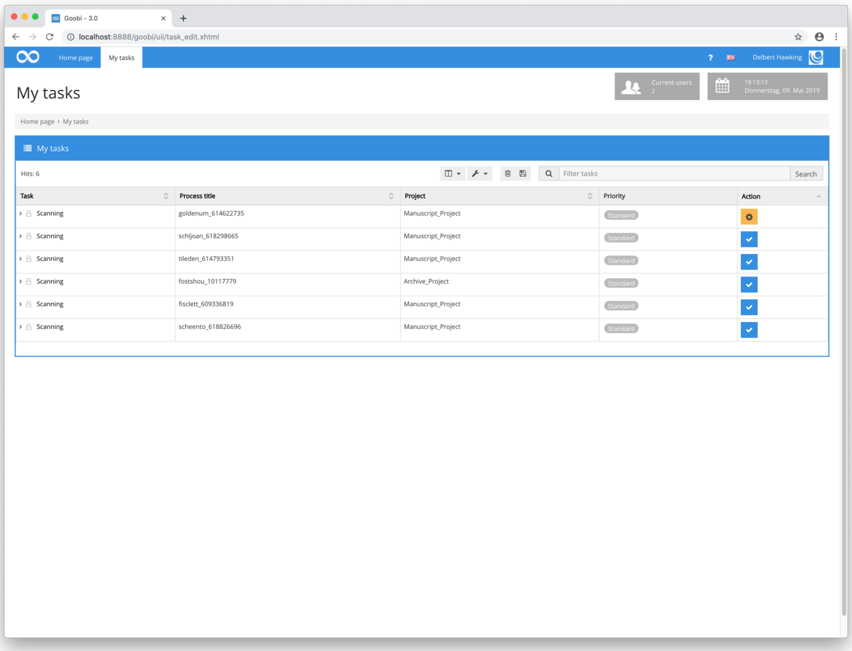
Process title *	
Digital collections *	General Biology Physics Mathematics
Estimated number of pages	0
Add to process log	

Figure 11: Request a catalogue to import metadata

You can now click Save to create a new Goobi process using the data you have provided and open the workflow.

3.1.2 Reading in media/images

As a Scanning officer, you can read images into Goobi. First select the right object from your own tasks and accept the processing job.



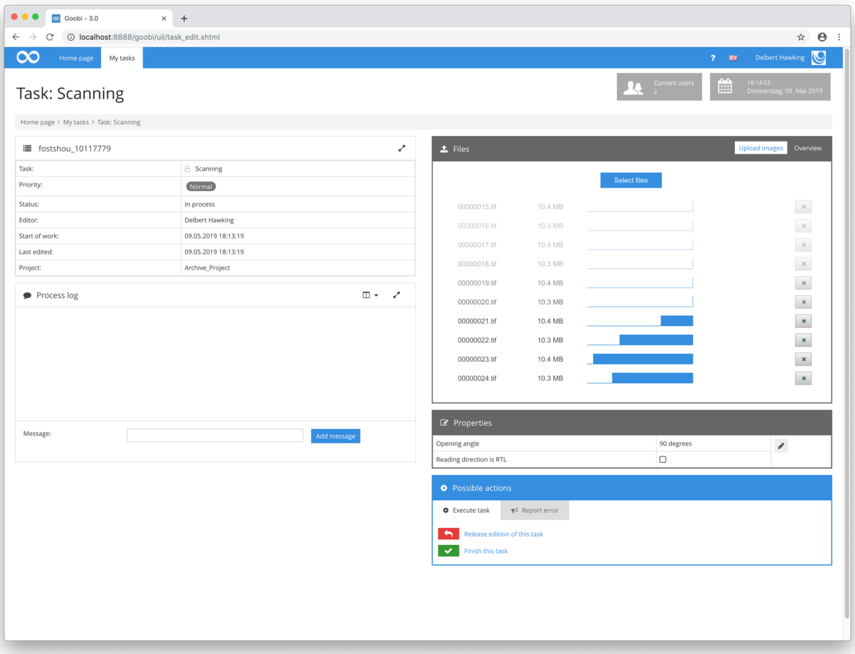
My tasks

Hits: 6

Task	Process title	Project	Priority	Action
Scanning	goldenum_614622735	Manuscript_Project	Standard	⚙
Scanning	schljoan_618298665	Manuscript_Project	Standard	✓
Scanning	tileden_614793351	Manuscript_Project	Standard	✓
Scanning	fostshou_10117779	Archive_Project	Standard	✓
Scanning	fisclett_609336819	Manuscript_Project	Standard	✓
Scanning	scheento_618826696	Manuscript_Project	Standard	✓

Figure 12: Task list for a scanning operator

The digitised images can now be uploaded simply by dragging them into the upload area of the form.



Task: Scanning

fostshou_10117779

Task:	Scanning
Priority:	Normal
Status:	In process
Editor:	Delbert Hawking
Start of work:	09.05.2019 18:13:19
Last edited:	09.05.2019 18:13:19
Project:	Archive_Project

00000015.tif	10.4 MB
00000016.tif	10.3 MB
00000017.tif	10.4 MB
00000018.tif	10.3 MB
00000019.tif	10.4 MB
00000020.tif	10.3 MB
00000021.tif	10.4 MB
00000022.tif	10.3 MB
00000023.tif	10.4 MB
00000024.tif	10.3 MB

Properties

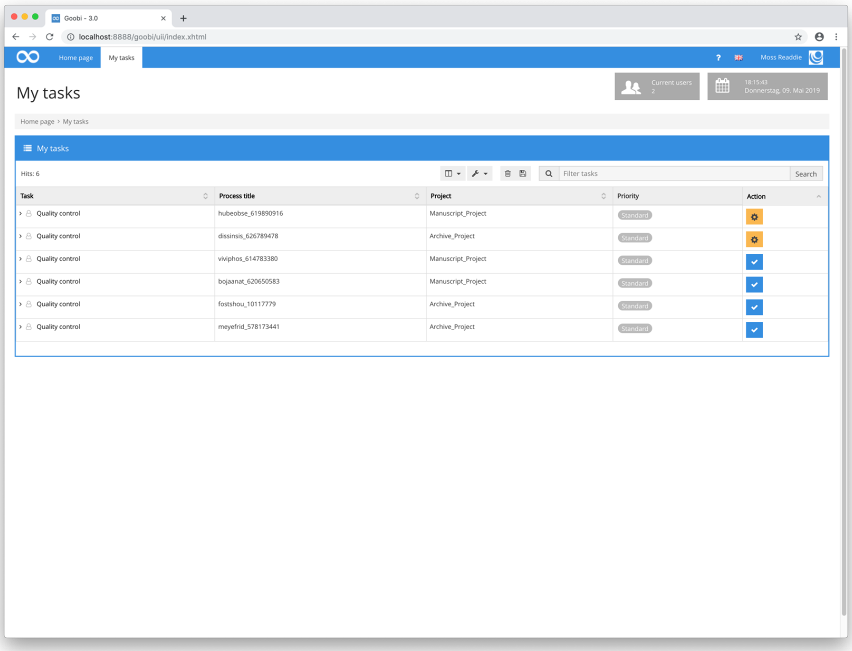
Opening angle	90 degrees
Reading direction is RTL	☐

Figure 13: Uploading images inside of an accepted task

Once the upload is complete, click the Finish this task button and activate the next stage of the workflow.

3.1.3 Quality control

As a Quality control officer, your role is to check the quality of the images. You will need to accept this task before you can start work.



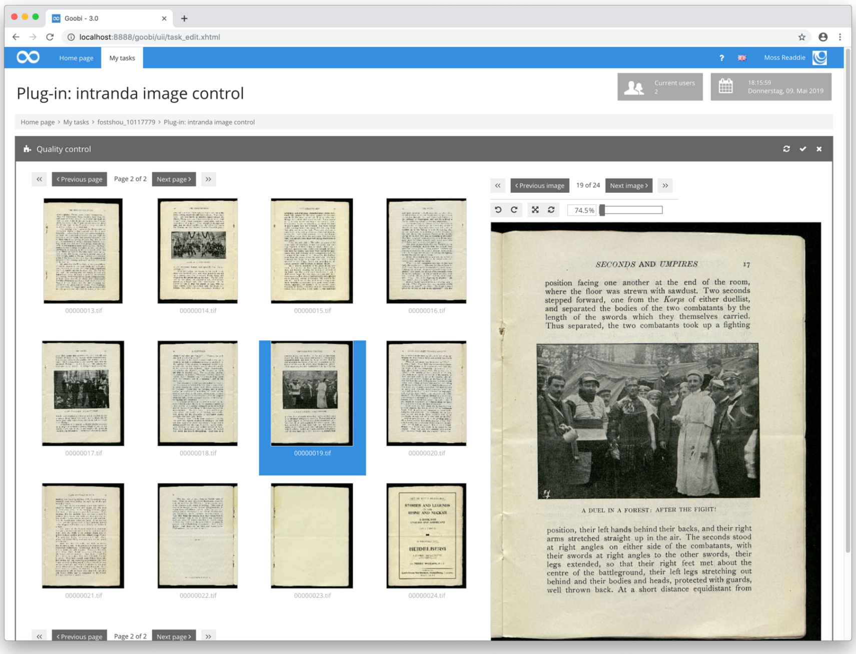
My tasks

Hits: 6

Task	Process title	Project	Priority	Action
Quality control	hubeobse_619890916	Manuscript_Project	Standard	⚙
Quality control	dissinis_626789478	Archive_Project	Standard	⚙
Quality control	viviphos_614783380	Manuscript_Project	Standard	✓
Quality control	bojaanat_620650583	Manuscript_Project	Standard	✓
Quality control	fostshou_10117779	Archive_Project	Standard	✓
Quality control	meyefrid_578173441	Archive_Project	Standard	✓

Figure 14: Task list for Quality assurance

Within this task, you can enter the Image QA plugin. This allows you to carefully review all the previously uploaded images of the selected object.



SECONDS AND *UMPIRES* 17

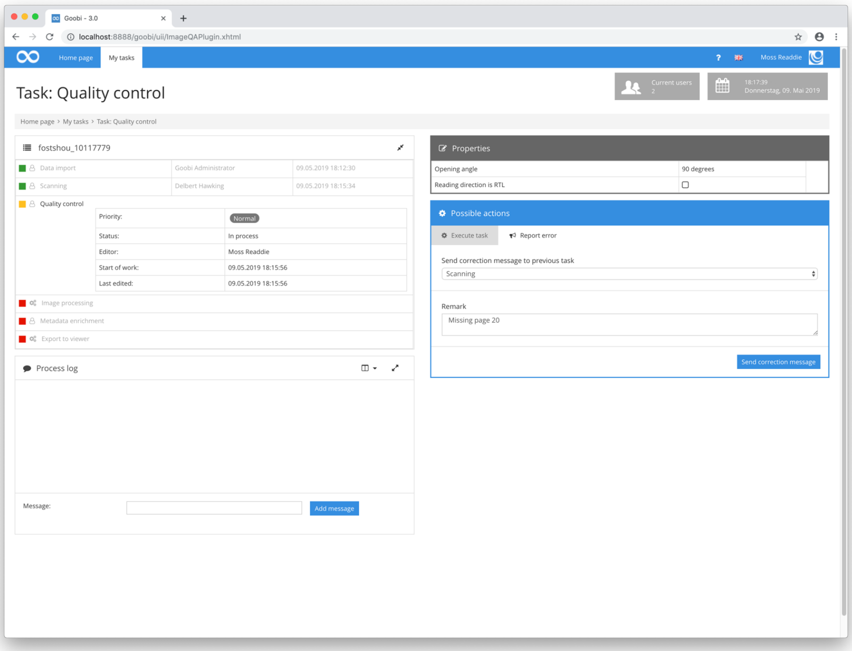
position facing one another at the end of the room, where the floor was strewn with sawdust. Two seconds stepped forward, one from the *Korps* of either duellist, and separated the bodies of the two combatants by the length of the swords which they themselves carried. Thus separated, the two combatants took up a fighting

A DUEL IN A FOREST: AFTER THE FIGHT!

position, their left hands behind their backs, and their right arms stretched straight up in the air. The seconds stood at right angles on either side of the combatants, with their swords at right angles to the other swords, their legs extended, so that their right feet met about the centre of the battleground, their left legs stretching out behind and their bodies and heads, protected with guards, well thrown back. At a short distance equidistant from

Figure 15: Image QA for an accepted item

After performing quality checks, the user can exit the plugin and conclude the task or (if necessary) submit a correction message.



Task: Quality control

fostshou_10117779

🟩 Data import	Goobi Administrator	09.05.2019 18:12:30
🟩 Scanning	Delbert Hawking	09.05.2019 18:15:34
🟨 Quality control		

Priority:	Normal
Status:	In process
Editor:	Moss Readdie
Start of work:	09.05.2019 18:15:56
Last edited:	09.05.2019 18:15:56

🟥 Image processing
🟥 Metadata enrichment
🟥 Export to viewer

Properties

Opening angle	90 degrees
Reading direction is RTL	☐

Possible actions

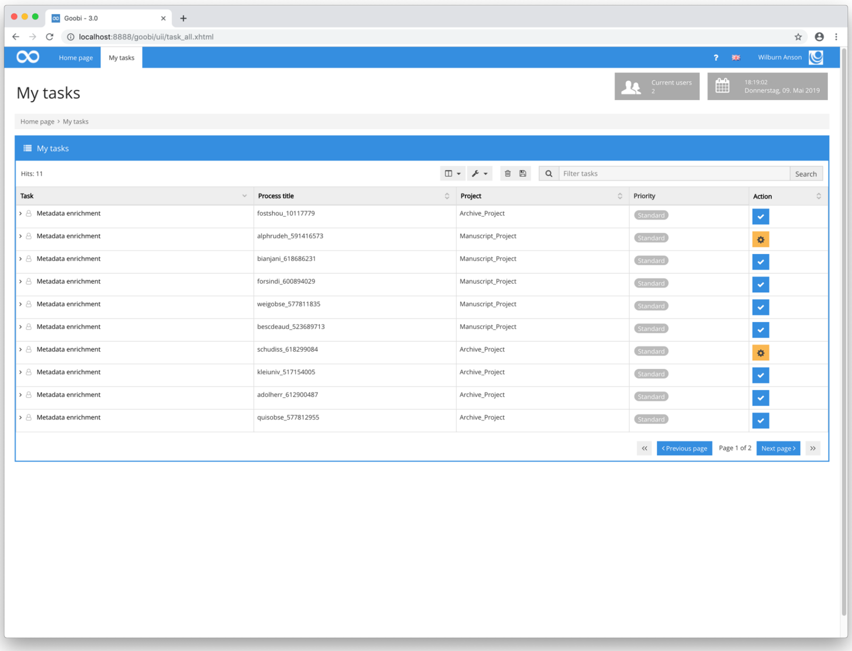
Send correction message to previous task: Scanning

Remark: Missing page 20

Figure 16: Reporting an error to a previous working station

3.1.4 Editing metadata

As a Metadata officer, you should first select the object you want to work on from the task list and then accept that task.



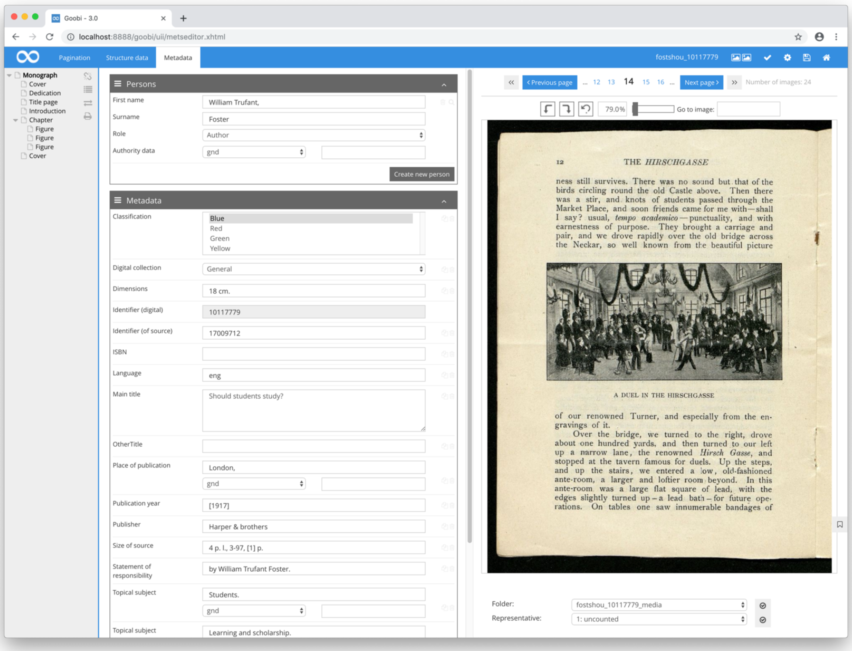
My tasks

Hits: 11

Task	Process title	Project	Priority	Action
Metadata enrichment	fostshou_10117779	Archive_Project	Standard	✓
Metadata enrichment	alphrudeh_591416573	Manuscript_Project	Standard	⚙
Metadata enrichment	bianjani_618686231	Manuscript_Project	Standard	✓
Metadata enrichment	forsindi_600894029	Manuscript_Project	Standard	✓
Metadata enrichment	weigobse_577811835	Manuscript_Project	Standard	✓
Metadata enrichment	bescdeaud_523689713	Manuscript_Project	Standard	✓
Metadata enrichment	schudiss_618299084	Archive_Project	Standard	⚙
Metadata enrichment	kleiuniv_517154005	Archive_Project	Standard	✓
Metadata enrichment	adolherr_612900487	Archive_Project	Standard	✓
Metadata enrichment	quisobse_577812955	Archive_Project	Standard	✓

Figure 17: Task list for a metadata editor

Within the task, the user can enter the Goobi Metadata Editor and edit the data under the headings Pagination, Structure data and Metadata.



First name	William Trufant,
Surname	Foster
Role	Author
Authority data	gnd

Metadata

Classification	Blue / Red / Green / Yellow
Digital collection	General
Dimensions	18 cm.
Identifier (digital)	10117779
Identifier (of source)	17009712
ISBN	
Language	eng
Main title	Should students study?
OtherTitle	
Place of publication	London, / gnd
Publication year	[1917]
Publisher	Harper & brothers
Size of source	4 p. l., 3-97, [1] p.
Statement of responsibility	by William Trufant Foster.
Topical subject	Students. / gnd
Topical subject	Learning and scholarship.

12 THE *HIRSCHGASSE*

ness still survives. There was no sound but that of the birds circling round the old Castle above. Then there was a stir, and knots of students passed through the Market Place, and soon friends came for me with—shall I say? usual, *tempo academico*—punctuality, and with earnestness of purpose. They brought a carriage and pair, and we drove rapidly over the old bridge across the Neckar, so well known from the beautiful picture

A DUEL IN THE HIRSCHGASSE

of our renowned Turner, and especially from the engravings of it.

Over the bridge, we turned to the right, drove about one hundred yards, and then turned to our left up a narrow lane, the renowned *Hirsch Gasse*, and stopped at the tavern famous for duels. Up the steps, and up the stairs, we entered a low, old-fashioned ante-room, a larger and loftier room beyond. In this ante-room was a large flat square of lead, with the edges slightly turned up – a lead bath – for future operations. On tables one saw innumerable bandages of

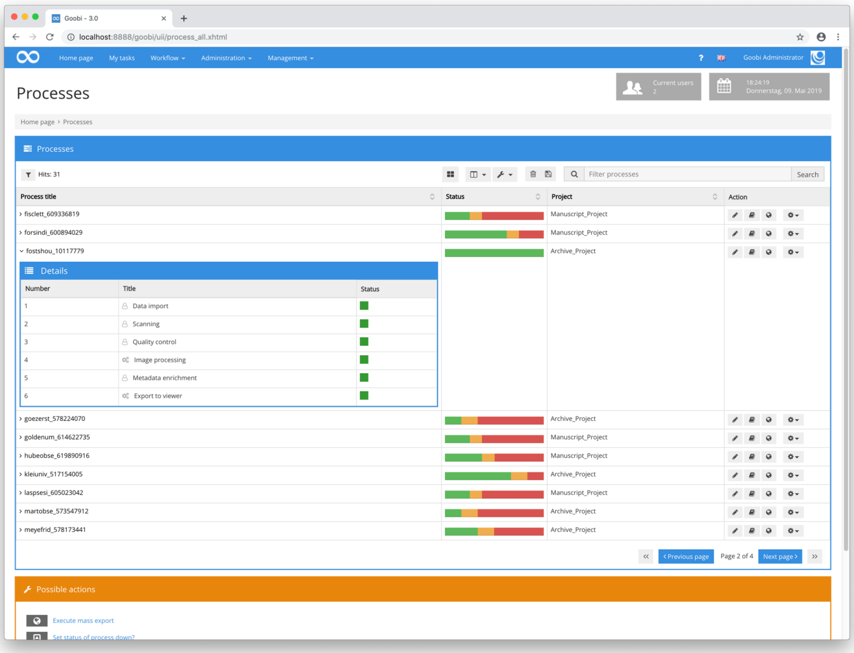
Folder:	fostshou_10117779_media
Representative:	1: uncounted

Figure 18: Working with the metadata editor inside of Goobi workflow

After completing the task, the user can save the data and exit the Metadata Editor. This will end the task and trigger the next step in the workflow.

3.1.5 Export to Goobi viewer

Once the metadata have been entered, the application will perform an automatic export to the Goobi viewer. The digitised object is now published and can be viewed by visitors.



Processes

Hits: 31

Process title	Status	Project	Action
› fisclett_609336819		Manuscript_Project	
› forsindi_600894029		Manuscript_Project	
⌄ fostshou_10117779		Archive_Project	
› goezerst_578224070		Archive_Project	
› goldenum_614622735		Manuscript_Project	
› hubeobse_619890916		Manuscript_Project	
› kleiuniv_517154005		Archive_Project	
› laspsesi_605023042		Manuscript_Project	
› martobse_573547912		Archive_Project	
› meyefrid_578173441		Archive_Project	

Details

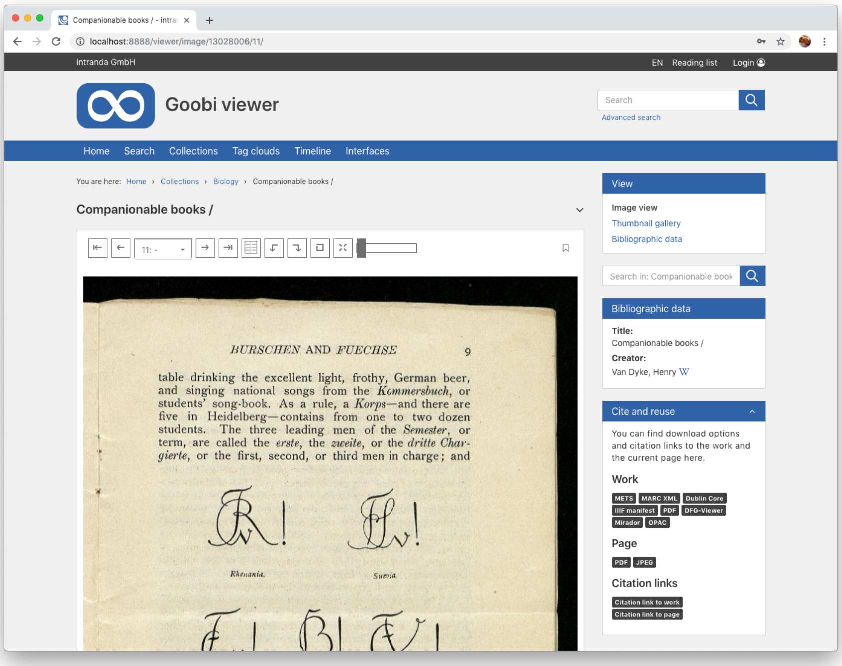
Number	Title	Status
1	Data import	🟩
2	Scanning	🟩
3	Quality control	🟩
4	Image processing	🟩
5	Metadata enrichment	🟩
6	Export to viewer	🟩

« ‹ Previous page Page 2 of 4 Next page › »

Figure 19: Progress of an item inside of the process list

As an Administrator, you can examine the process list to see exactly which workflow steps have been completed for a given object.

As soon as a process has been exported to the Goobi viewer, it is automatically available there with a IIIF Manifest and can also be displayed in any external IIIF viewer such as Mirador.



Companionable books /

BURSCHEN AND FUECHSE 9

table drinking the excellent light, frothy, German beer, and singing national songs from the *Kommersbuch*, or students' song-book. As a rule, a *Korps*—and there are five in Heidelberg—contains from one to two dozen students. The three leading men of the *Semester*, or term, are called the *erste*, the *zweite*, or the *dritte Chargierte*, or the first, second, or third men in charge; and

Bibliographic data

Title:
Companionable books /
Creator:
Van Dyke, Henry

Cite and reuse

You can find download options and citation links to the work and the current page here.

Work

METS MARC XML Dublin Core IIIF manifest PDF DFG-Viewer Mirador OPAC

Page

PDF JPEG

Citation links

Citation link to work
Citation link to page

Figure 20: Published item in the Goobi viewer with IIIF Manifest URL and Mirador link in the sidebar

3.1.6 Other workflow steps

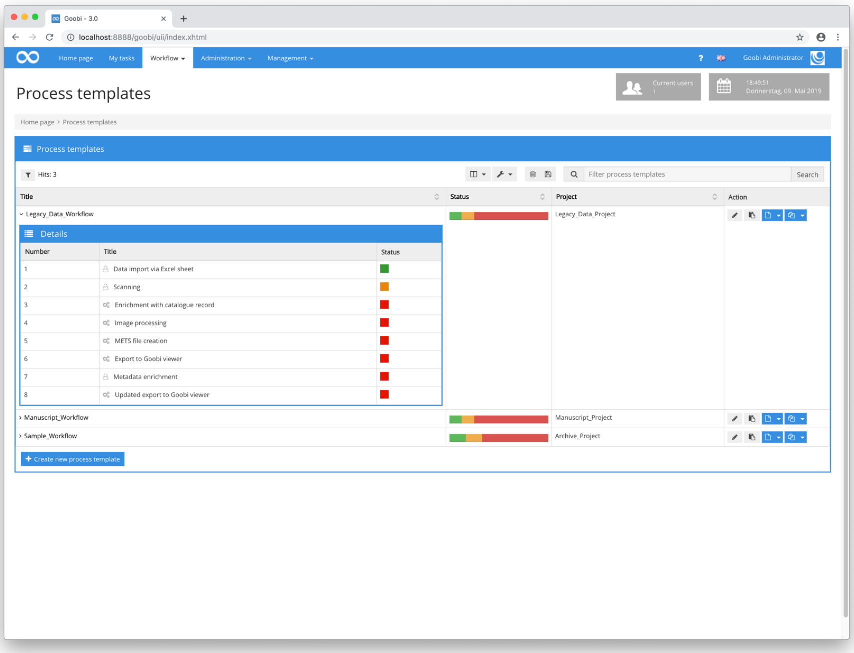
Apart from the typical workflow steps outlined above, there are many other ways in which the workflow can be customised. There are currently more than 180 plugins covering different areas of Goobi. As well as individual steps such as image straightening and cropping, Goobi workflow offers many other features, e.g. data validation, individual export formats, ingests to different external systems such as permanent archives and repositories, imports from various data sources, APIs and statistics. It is also possible to configure tasks that cannot be performed in Goobi as part of the workflow. This means that they can be worked through systematically for each object and their progress monitored.

3.2 Create IIIF Manifests for legacy data through Goobi workflow

Users frequently need to import legacy data. In the following example, an Excel file with two metadata (identifier and title) per dataset is uploaded so that processes can be created automatically using the data. The next step is to upload the corresponding images. Various automated tasks are then performed in the rest of the workflow. By way of example, these might involve exporting the processes to the Goobi viewer. Once these automated steps have been completed, the Goobi workflow remains in the Metadata enrichment step to enable final quality checks and re-export.

3.2.1 Importing data from Excel files

The first step here is to open the Mass import dialogue box for the chosen Process template.



Process templates

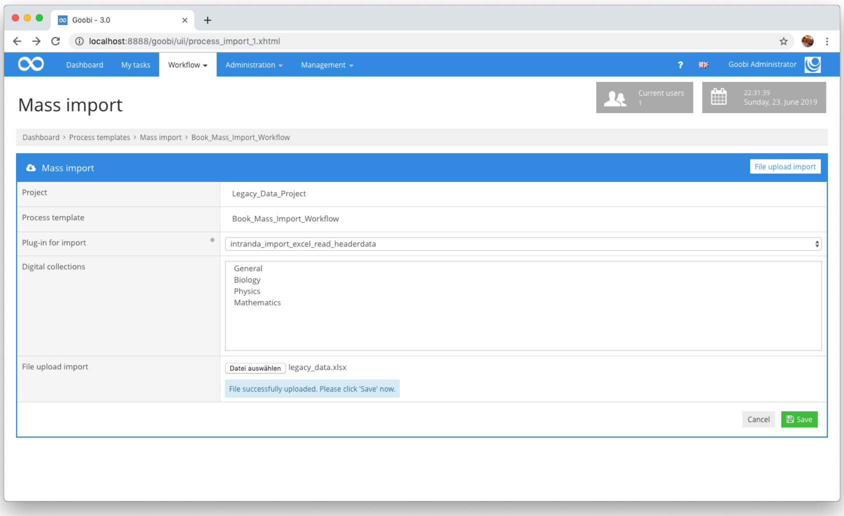
Title	Status	Project	Action
Legacy_Data_Workflow		Legacy_Data_Project	
Manuscript_Workflow		Manuscript_Project	
Sample_Workflow		Archive_Project	

Details

Number	Title	Status
1	Data import via Excel sheet	🟩
2	Scanning	🟧
3	Enrichment with catalogue record	🟥
4	Image processing	🟥
5	METS file creation	🟥
6	Export to Goobi viewer	🟥
7	Metadata enrichment	🟥
8	Updated export to Goobi viewer	🟥

Figure 21: Select a workflow for mass imports

Here you can select the required import variant and the right import plugin and enter the necessary information.


Goobi - 3.0
localhost:8888/goobi/uii/process_import_1.xhtml
Dashboard
My tasks
Workflow
Administration
Management
Goobi Administrator
Current users 1
22:31:39 Sunday, 23. June 2019
Dashboard › Process templates › Mass import › Book_Mass_Import_Workflow
File upload import
Datei auswählen
Cancel
Save

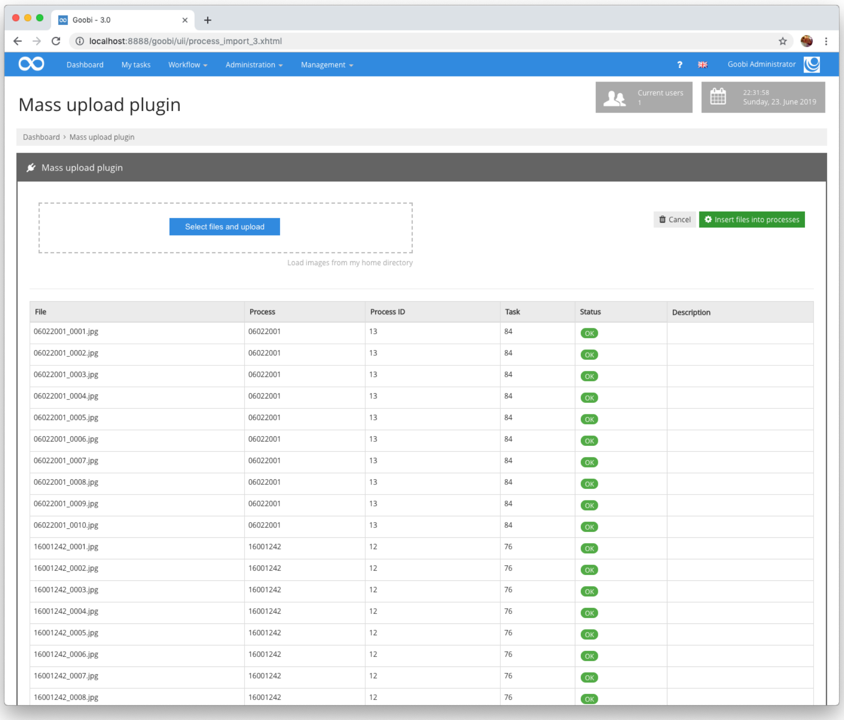
Mass import

Mass import

Project	Legacy_Data_Project
Process template	Book_Mass_Import_Workflow
Plug-in for import *	intranda_import_excel_read_headerdata
Digital collections	General Biology Physics Mathematics
File upload import	legacy_data.xlsx File successfully uploaded. Please click 'Save' now.

Figure 22: Upload your Excel file

Images can then be uploaded using the Mass upload plugin. Images are allocated automatically to the right process on the basis of the prefix. Once the images have been uploaded, the workflow is updated and the next step is activated for each object that has been read in.


Goobi - 3.0
localhost:8888/goobi/uii/process_import_3.xhtml
Dashboard
My tasks
Workflow
Administration
Management
Goobi Administrator
Current users 1
22:31:58 Sunday, 23. June 2019
Dashboard › Mass upload plugin
Select files and upload
Load images from my home directory
Cancel
Insert files into processes

Mass upload plugin

Mass upload plugin

File	Process	Process ID	Task	Status	Description
06022001_0001.jpg	06022001	13	84	OK	
06022001_0002.jpg	06022001	13	84	OK	
06022001_0003.jpg	06022001	13	84	OK	
06022001_0004.jpg	06022001	13	84	OK	
06022001_0005.jpg	06022001	13	84	OK	
06022001_0006.jpg	06022001	13	84	OK	
06022001_0007.jpg	06022001	13	84	OK	
06022001_0008.jpg	06022001	13	84	OK	
06022001_0009.jpg	06022001	13	84	OK	
06022001_0010.jpg	06022001	13	84	OK	
16001242_0001.jpg	16001242	12	76	OK	
16001242_0002.jpg	16001242	12	76	OK	
16001242_0003.jpg	16001242	12	76	OK	
16001242_0004.jpg	16001242	12	76	OK	
16001242_0005.jpg	16001242	12	76	OK	
16001242_0006.jpg	16001242	12	76	OK	
16001242_0007.jpg	16001242	12	76	OK	
16001242_0008.jpg	16001242	12	76	OK	

Figure 23: Upload the content of an entire folder to get it processed automatically

3.2.2 Automated catalogue requests

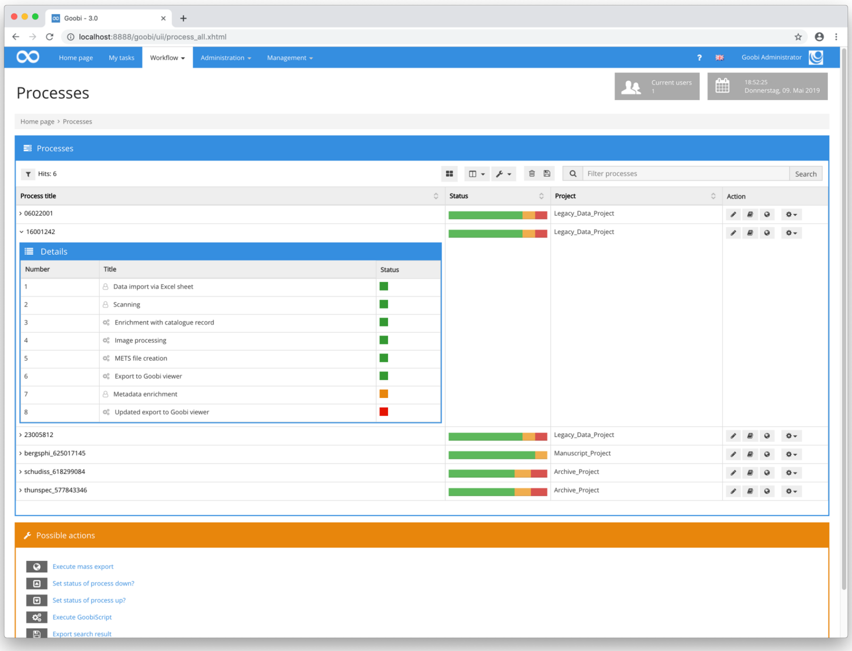
Since the metadata from the Excel table were very basic when imported, they are now updated automatically. This involves submitting requests to the Library of Congress catalogue.

3.2.3 Other automated workflow steps and export

Several workflow steps can be performed to prepare the data for export. These include generating a derivative of the uploaded images and updating the pagination within the METS files. The objects are then exported to the Goobi viewer in a fully automated process and can then be viewed.

3.2.4 Metadata enrichment and subsequent re-export

The next step is to open the workflow step Metadata enrichment, either to perform a final quality check or to permit further enrichment of the metadata. Once this step has been completed, the entire object is re-exported definitively to the Goobi viewer.



Processes

Home page › Processes

Processes

Hits: 6

Process title	Status	Project	Action
› 06022001		Legacy_Data_Project	
⌄ 16001242		Legacy_Data_Project	
› 23005812		Legacy_Data_Project	
› bergsphi_625017145		Manuscript_Project	
› schudiss_618299084		Archive_Project	
› thunspec_577843346		Archive_Project	

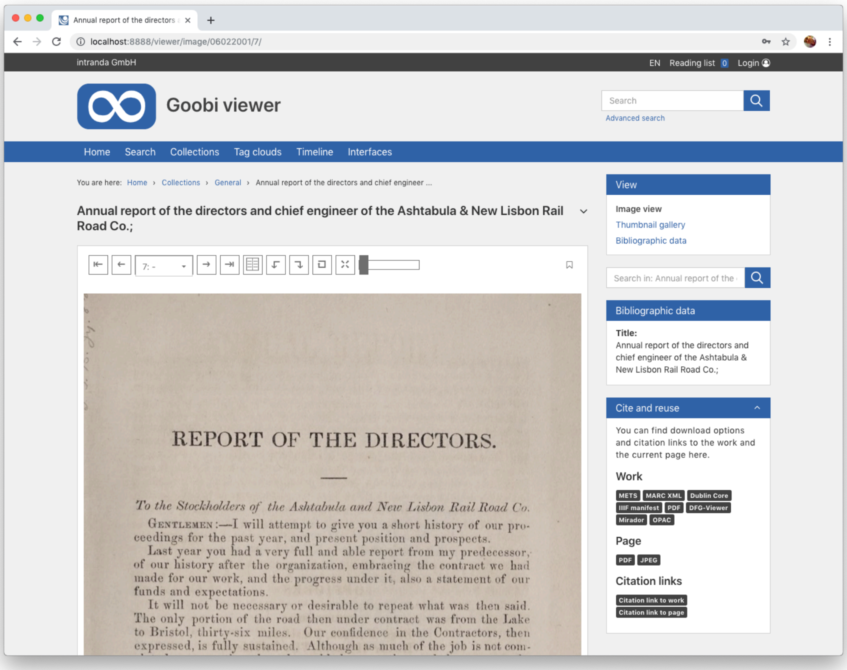
Details

Number	Title	Status
1	Data import via Excel sheet	🟩
2	Scanning	🟩
3	Enrichment with catalogue record	🟩
4	Image processing	🟩
5	METS file creation	🟩
6	Export to Goobi viewer	🟩
7	Metadata enrichment	🟧
8	Updated export to Goobi viewer	🟥

Possible actions

- Execute mass export
- Set status of process down?
- Set status of process up?
- Execute GoobiScript
- Export search result

Figure 24: Workflow progress for an item



Annual report of the directors and chief engineer of the Ashtabula & New Lisbon Rail Road Co.;

Title:
Annual report of the directors and chief engineer of the Ashtabula & New Lisbon Rail Road Co.;

You can find download options and citation links to the work and the current page here.

REPORT OF THE DIRECTORS.

To the Stockholders of the Ashtabula and New Lisbon Rail Road Co.

GENTLEMEN:—I will attempt to give you a short history of our proceedings for the past year, and present position and prospects.

Last year you had a very full and able report from my predecessor, of our history after the organization, embracing the contract we had made for our work, and the progress under it, also a statement of our funds and expectations.

It will not be necessary or desirable to repeat what was then said. The only portion of the road then under contract was from the Lake to Bristol, thirty-six miles. Our confidence in the Contractors, then expressed, is fully sustained. Although as much of the job is not com-

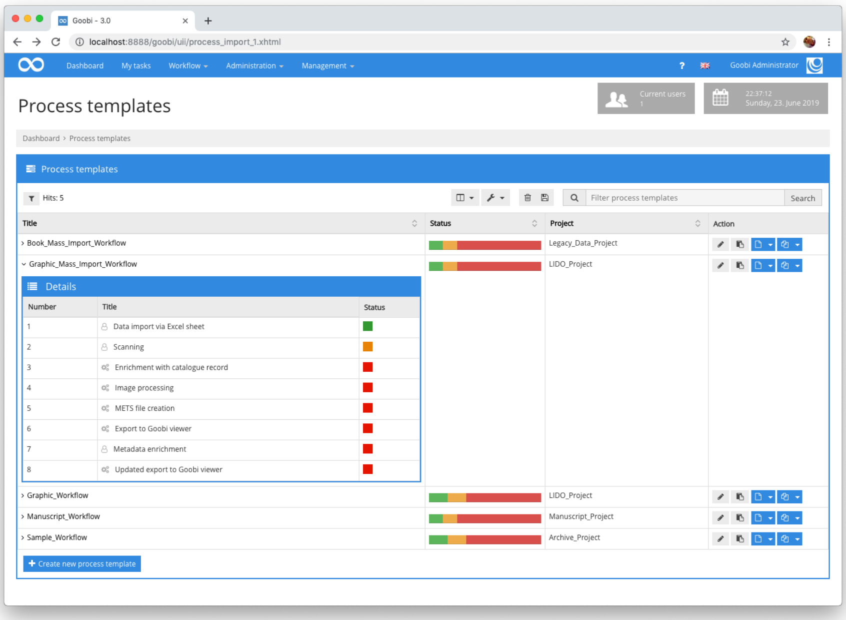
Figure 25: Exported datasets with IIIF manifest linking in the sidebar

3.3 Create IIIF Manifests for museum objects through Goobi workflow

Goobi is not only good with library content. For example, Goobi workflow can process museum objects, which are then automatically exported to the Goobi viewer. In this case, however, the IIIF Manifests are not generated from the generated METS files from Goobi workflow, but from the exported LIDO files, including event information.

3.3.1 Importing museum data records

As in the previous example, the desired workflow for the mass import of an Excel file with identifiers is selected first.



Goobi - 3.0

localhost:8888/goobi/uii/process_import_1.xhtml

Dashboard | My tasks | Workflow | Administration | Management | Goobi Administrator

Process templates

Current users 1 | 22:37:12 Sunday, 23. June 2019

Dashboard › Process templates

Process templates

Hits: 5 | Filter process templates | Search

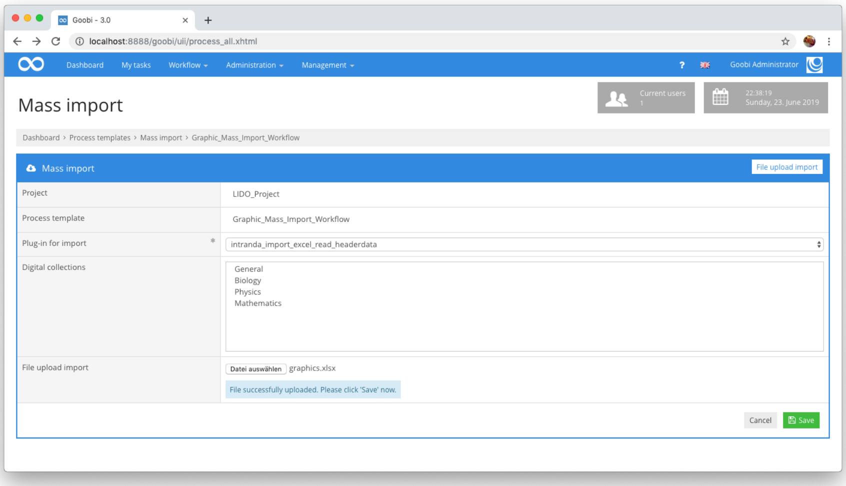
Title	Status	Project	Action
› Book_Mass_Import_Workflow		Legacy_Data_Project	
⌄ Graphic_Mass_Import_Workflow		LIDO_Project	
› Graphic_Workflow		LIDO_Project	
› Manuscript_Workflow		Manuscript_Project	
› Sample_Workflow		Archive_Project	

Details

Number	Title	Status
1	Data import via Excel sheet	🟩
2	Scanning	🟧
3	Enrichment with catalogue record	🟥
4	Image processing	🟥
5	METS file creation	🟥
6	Export to Goobi viewer	🟥
7	Metadata enrichment	🟥
8	Updated export to Goobi viewer	🟥

Create new process template

Figure 26: Selection of the desired process template



Goobi - 3.0

localhost:8888/goobi/uii/process_all.xhtml

Dashboard | My tasks | Workflow | Administration | Management | Goobi Administrator

Mass import

Current users 1 | 22:38:19 Sunday, 23. June 2019

Dashboard › Process templates › Mass import › Graphic_Mass_Import_Workflow

Mass import | File upload import

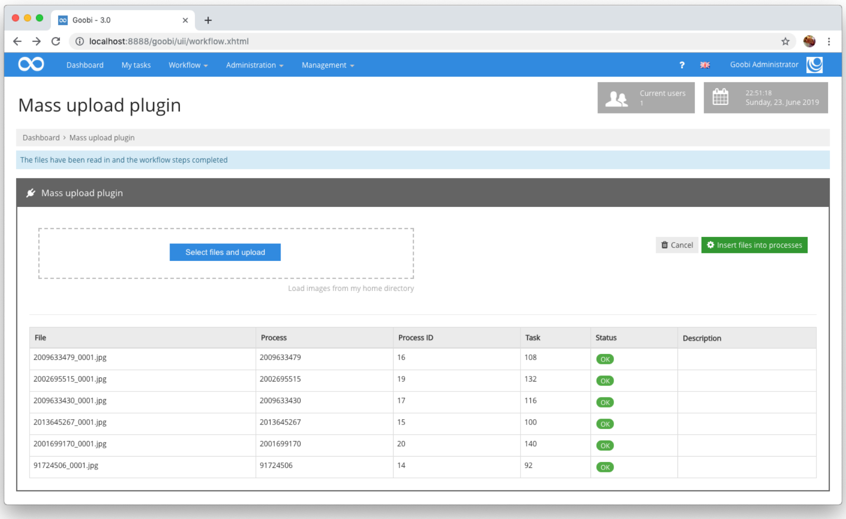
Project	LIDO_Project
Process template	Graphic_Mass_Import_Workflow
Plug-in for import *	intranda_import_excel_read_headerdata
Digital collections	General Biology Physics Mathematics
File upload import	Datei auswählen graphics.xlsx File successfully uploaded. Please click 'Save' now.

Cancel | Save

Figure 27: Import of an Excel file with identifiers of museum objects

3.3.2 Importing the digital items

As in the previous workflow, all files in a folder are imported into the Mass upload plugin.


Goobi - 3.0
localhost:8888/goobi/uii/workflow.xhtml
Dashboard
My tasks
Workflow
Administration
Management
Goobi Administrator
Current users 1
22:51:18 Sunday, 23. June 2019
Dashboard › Mass upload plugin
Select files and upload
Load images from my home directory
Cancel
Insert files into processes

Mass upload plugin

The files have been read in and the workflow steps completed

Mass upload plugin

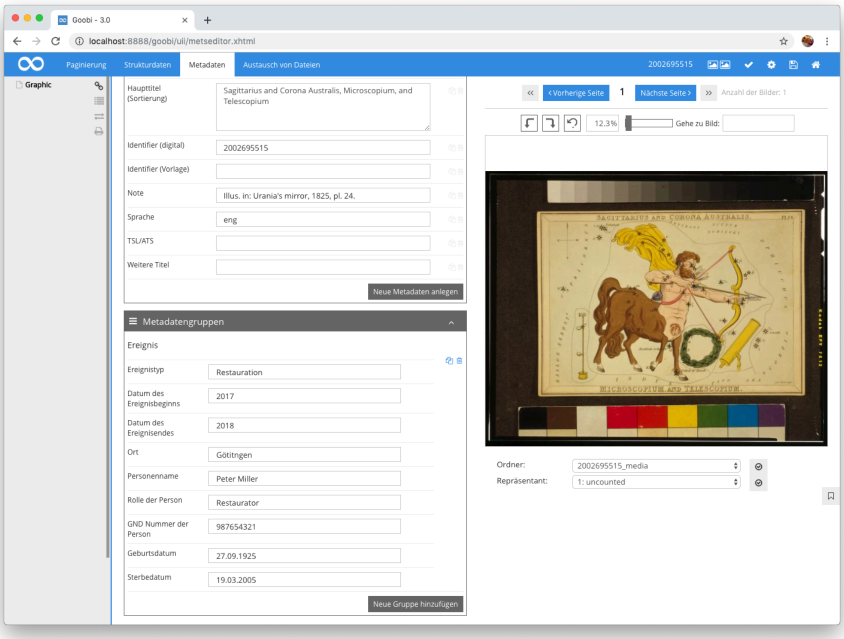
File	Process	Process ID	Task	Status	Description
2009633479_0001.jpg	2009633479	16	108	OK	
2002695515_0001.jpg	2002695515	19	132	OK	
2009633430_0001.jpg	2009633430	17	116	OK	
2013645267_0001.jpg	2013645267	15	100	OK	
2001699170_0001.jpg	2001699170	20	140	OK	
91724506_0001.jpg	91724506	14	92	OK	

Figure 28: Upload of the digital items in the mass upload plugin

The images uploaded here are automatically assigned to the correct processes and imported. The workflows are then automatically moved forward, triggering the automatic catalog query similar to the previous workflow, to enrich the metadata from a catalog.

3.3.3 Enrichment of metadata

As in other workflows, the metadata can also be enriched for the museum objects. A special feature here is the recording of events. Each event can consist of several metadata, which are stored together in a Lido file.



Haupttitel (Sortierung)	Sagittarius and Corona Australis, Microscopium, and Telescopium
Identifier (digital)	2002695515
Identifier (Vorlage)	
Note	Illus. in: Urania's mirror, 1825, pl. 24.
Sprache	eng
TSL/ATS	
Weitere Titel	

Metadatengruppen

Ereignis

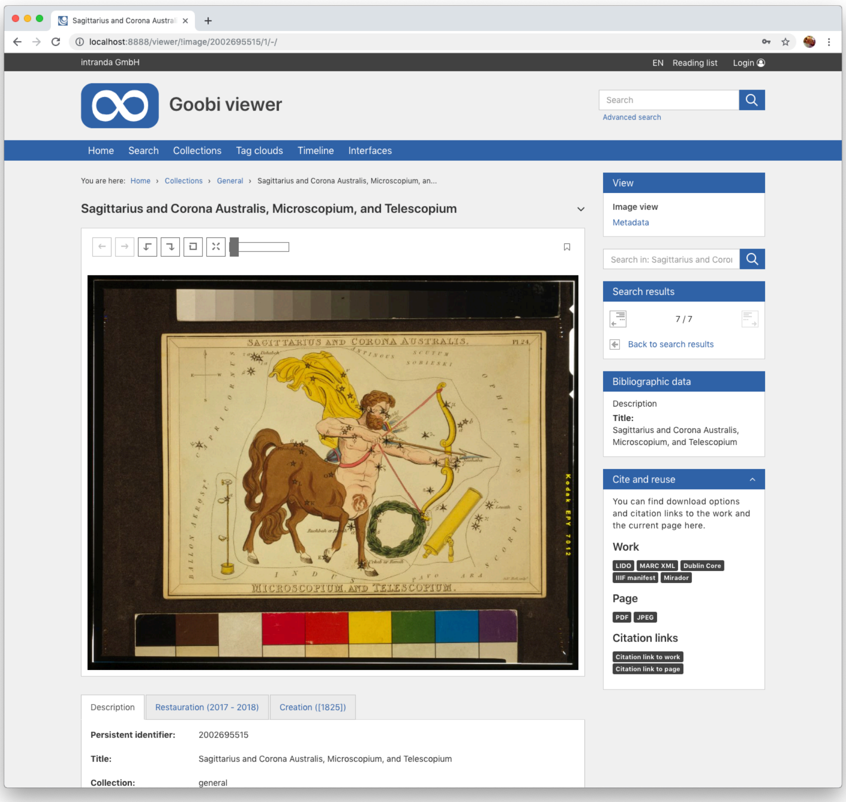
Ereignistyp	Restauration
Datum des Ereignisbeginns	2017
Datum des Ereignisendes	2018
Ort	Götitngen
Personenname	Peter Miller
Rolle der Person	Restaurator
GND Nummer der Person	987654321
Geburtsdatum	27.09.1925
Sterbedatum	19.03.2005

Ordner:	2002695515_media
Repräsentant:	1: uncounted

Figure 29: Enhancement of metadata with event information for the museum object

3.3.4 Re-exporting automatically to the Goobi viewer

After enriching the metadata, the data is automatically re-exported as a Lido file to the Goobi viewer. The museum object is then immediately accessible from there with a IIIF Manifest and can be displayed in the Goobi viewer or any other external viewer.


Sagittarius and Corona Austral
localhost:8888/viewer/image/2002695515/1/-/
intranda GmbH
EN Reading list Login
Goobi viewer
Search
Advanced search
Home Search Collections Tag clouds Timeline Interfaces
You are here: Home › Collections › General › Sagittarius and Corona Australis, Microscopium, an...
View
Image view
Metadata
Search in: Sagittarius and Coro
Search results
7 / 7
Back to search results
Bibliographic data
Cite and reuse
Work
LIDO MARC XML Dublin Core
IIIF manifest Mirador
Page
PDF JPEG
Citation links
Citation link to work
Citation link to page
Description Restauration (2017 - 2018) Creation ([1825])

Sagittarius and Corona Australis, Microscopium, and Telescopium

Description
Title:
Sagittarius and Corona Australis, Microscopium, and Telescopium

You can find download options and citation links to the work and the current page here.

Persistent identifier:	2002695515
Title:	Sagittarius and Corona Australis, Microscopium, and Telescopium
Collection:	general

Figure 30: Display of the museum object in the Goobi viewer with download option of the Lido file, IIIF manifest and link to Mirador

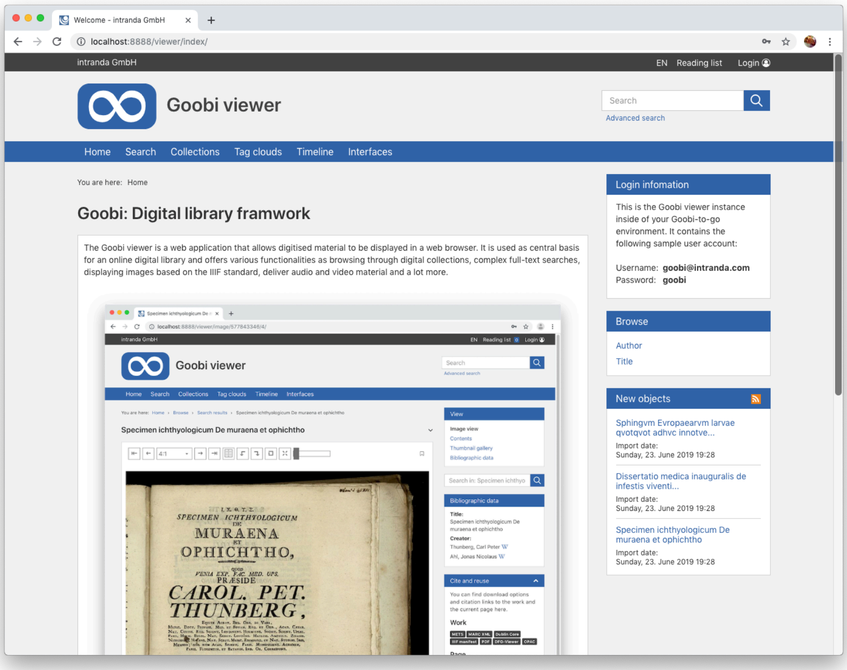
4 Delivering IIIF Manifests with the Goobi viewer

The Goobi viewer user interface is called from the following URL:

http://localhost:8888/viewer/

4.1.1 Working with the user interface

If you open an instance of the Goobi viewer from the URL, you will see the following welcome screen:



Goobi: Digital library framwork

The Goobi viewer is a web application that allows digitised material to be displayed in a web browser. It is used as central basis for an online digital library and offers various functionalities as browsing through digital collections, complex full-text searches, displaying images based on the IIIF standard, deliver audio and video material and a lot more.

Login infomation

This is the Goobi viewer instance inside of your Goobi-to-go environment. It contains the following sample user account:

Username: **goobi@intranda.com**
Password: **goobi**

Browse

Author
Title

New objects

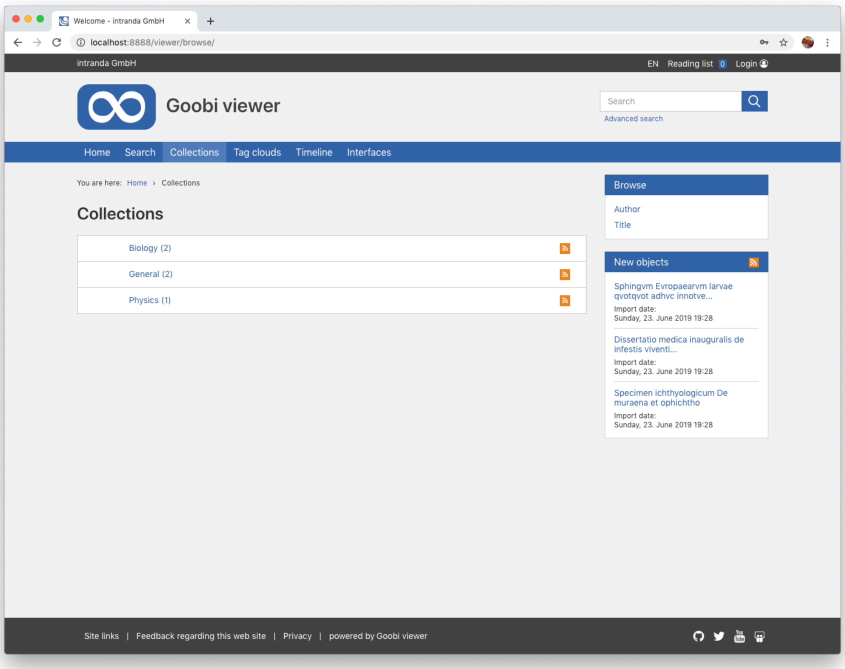
Sphingvm Evropaearvm larvae qvotqvot adhvc innotve...
Import date:
Sunday, 23. June 2019 19:28

Dissertatio medica inauguralis de infestis viventi...
Import date:
Sunday, 23. June 2019 19:28

Specimen ichthyologicum De muraena et ophichtho
Import date:
Sunday, 23. June 2019 19:28

Figure 31: Welcome page of the Goobi viewer

From here the user can access the two main components of the Goobi viewer - Search and Work view. The search function may also be available from the menu or in the page header area:


Welcome - intranda GmbH
localhost:8888/viewer/browse/
intranda GmbH
EN Reading list 0 Login
Goobi viewer
Search
Advanced search
Home Search Collections Tag clouds Timeline Interfaces
Site links | Feedback regarding this web site | Privacy | powered by Goobi viewer

You are here: Home › Collections

Collections

Biology (2)
General (2)
Physics (1)

Browse
Author
Title

New objects

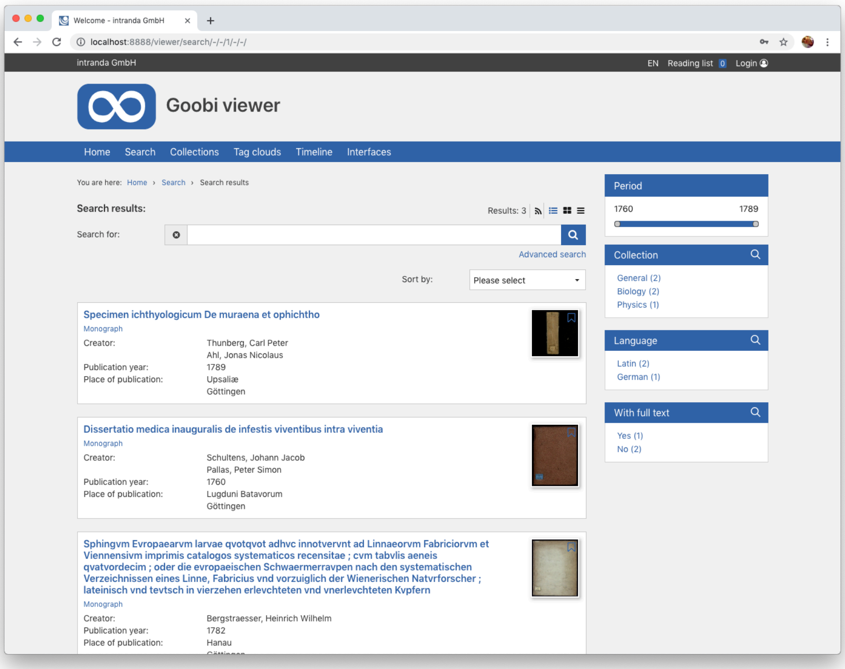
Sphingvm Evropaearvm larvae qvotqvot adhvc innotve...
Import date:
Sunday, 23. June 2019 19:28

Dissertatio medica inauguralis de infestis viventi...
Import date:
Sunday, 23. June 2019 19:28

Specimen ichthyologicum De muraena et ophichtho
Import date:
Sunday, 23. June 2019 19:28

Figure 32: List of collections with items

There are several ways of asking the viewer to display an object. One of these is through the collection list:



You are here: Home › Search › Search results

Search results: Results: 3

Search for:

Sort by: Please select

Specimen ichthyologicum De muraena et ophichtho
Monograph
Creator: Thunberg, Carl Peter
Ahl, Jonas Nicolaus
Publication year: 1789
Place of publication: Upsaliæ
Göttingen

Dissertatio medica inauguralis de infestis viventibus intra viventia
Monograph
Creator: Schultens, Johann Jacob
Pallas, Peter Simon
Publication year: 1760
Place of publication: Lugduni Batavorum
Göttingen

Sphingvm Evropaearvm larvae qvotqvot adhvc innotvervnt ad Linnaeorvm Fabriciorvm et Viennensivm imprimis catalogos systematicos recensitae ; cvm tabvlis aeneis qvatvordecim ; oder die evropaeischen Schwaermerravpen nach den systematischen Verzeichnissen eines Linne, Fabricius vnd vorzuiglich der Wienerischen Natvrforscher ; lateinisch vnd tevtsch in vierzehen erlevchteten vnd vnerlevchteten Kvpfern
Monograph
Creator: Bergstraesser, Heinrich Wilhelm
Publication year: 1782
Place of publication: Hanau

Period
1760 1789

Collection
General (2)
Biology (2)
Physics (1)

Language
Latin (2)
German (1)

With full text
Yes (1)
No (2)

Once an object has been opened, the viewer will offer the usual navigation and display functions for working with digitised images. The `Cite and reuse` widget in the side panel shows relevant licence information and links that may apply to further use of the data.

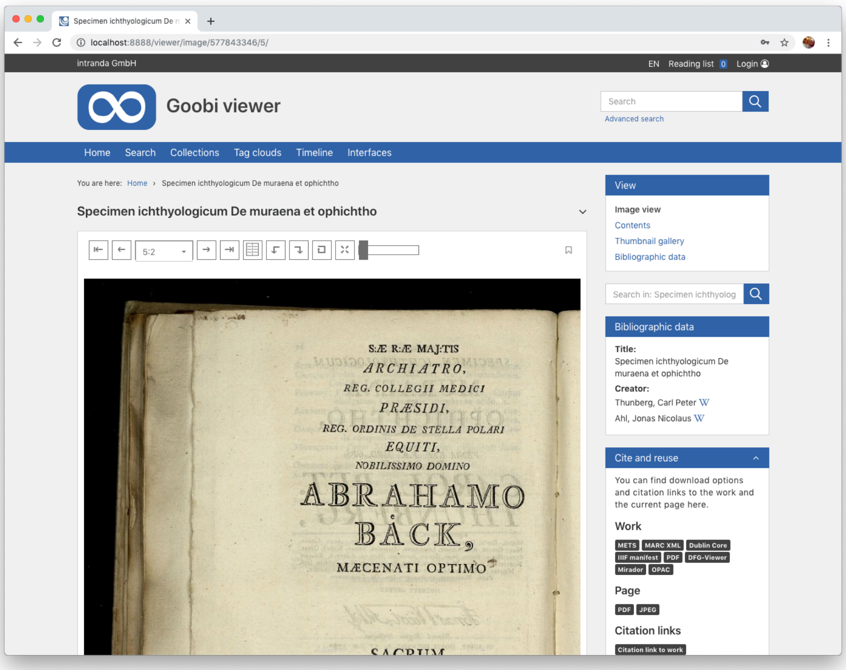


Figure 33: Cite and reuse widget

4.1.2 Interfaces and formats

All the data available in the Goobi viewer can be requested and reused via standardised interfaces provided that they have been set up and suitably configured.

Goobi viewer can process metadata in METS/MODS, LIDO und TEI formats. It supports full texts in Plaintext, ALTO and TEI formats and images in TIFF, JPEG, PNG and JPEG2000 formats. Image sizes and image sections are automatically calculated, generated and supplied in real time. As well as image formats, the Goobi viewer supports 3D objects and several audio and video formats.

Images are compatible with the IIIF Image API. IIIF Presentation Manifests can be called whatever the source format of the metadata. Information about changes is provided by another integrated IIIF Change Discovery API. Image annotations are issued as Open Annotations or Web Annotations within the IIIF Manifest.

The OAI interface supports the formats METS/MODS, MARCXML, DublinCore, LIDO, TEI, CMDI, ESE and xepicur.

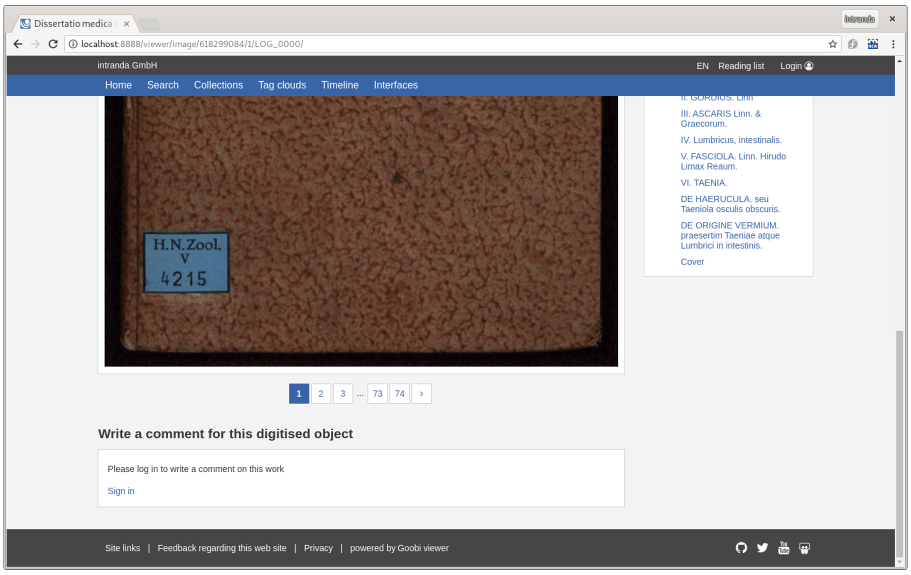
Bibliography management programs are supported by COinS and through the SRU interface.

4.2 Enrich the content

4.2.1 User comments for individual pages

In the Goobi viewer, user can add comments to individual pages of a record. The configuration is described in Chapter 2.27 of the manual.

The comment function is visible below an image:


Dissertatio medica
localhost:8888/viewer/image/618299084/1/LOG_0000/
intranda GmbH
EN Reading list Login
Home Search Collections Tag clouds Timeline Interfaces
III. ASCARIS Linn. & Graecorum.
IV. Lumbricus, intestinalis.
V. FASCIOLA. Linn. Hirudo Limax Reaum.
VI. TAENIA.
DE HAERUCULA. seu Taeniola osculis obscuris.
DE ORIGINE VERMIUM. praesertim Taeniae atque Lumbrici in intestinis.
Cover
H.N.Zool. V 4215
1 2 3 ... 73 74
Site links | Feedback regarding this web site | Privacy | powered by Goobi viewer

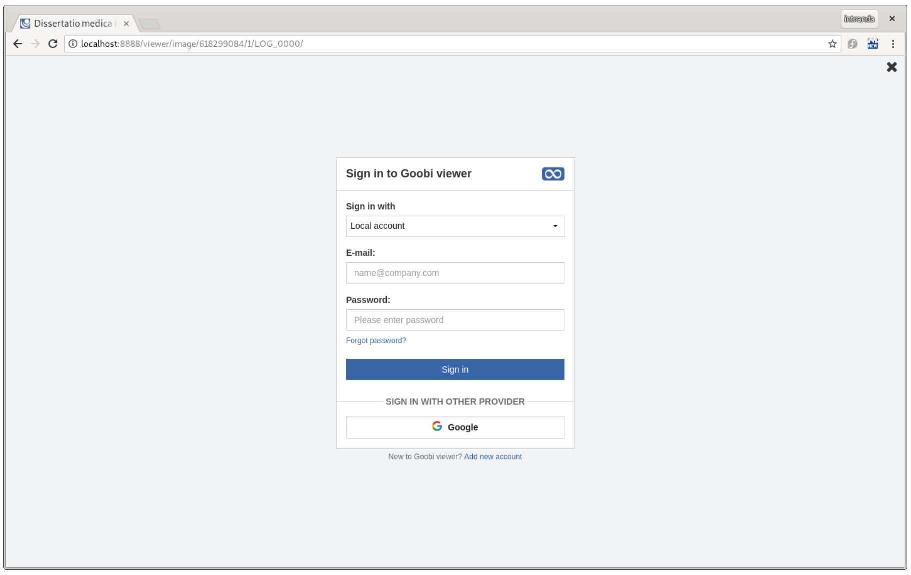
Write a comment for this digitised object

Please log in to write a comment on this work

Sign in

Figure 34: Comment function below an image

A click on the Sign in link opens the login screen:



Sign in to Goobi viewer

Sign in with: Local account

E-mail: name@company.com

Password: Please enter password

Forgot password?

Sign in

SIGN IN WITH OTHER PROVIDER

Google

New to Goobi viewer? Add new account

Figure 35: Login screen of the Goobi viewer

The following data can be used to log in within Goobi to go:

Login	Password
goobi@intranda.com	goobi

Comments can be added after authentication. These are immediately visible to the public after saving:

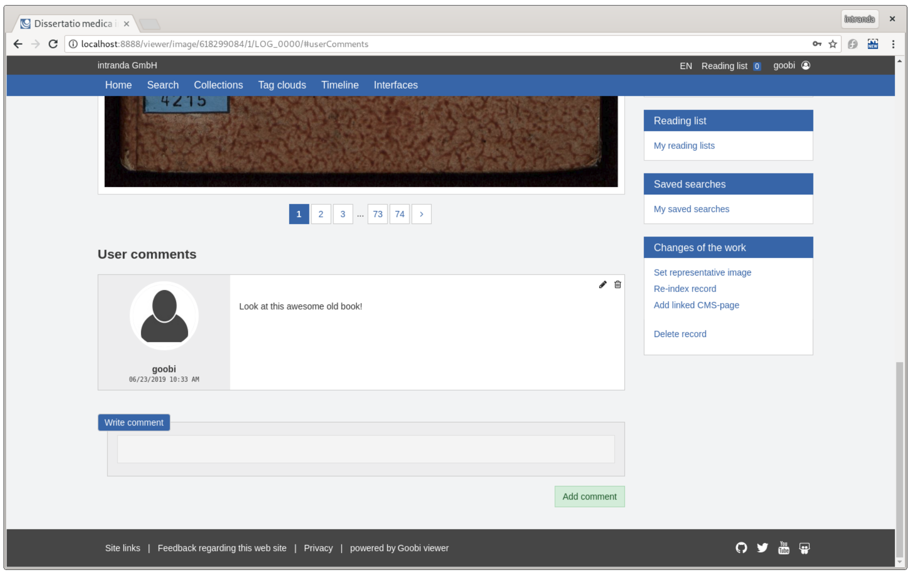


Figure 36: A comment to an image

The comments are also automatically linked in the IIIF Manifests. This can be checked for example in the internal Mirador. Therefore you have to click in the widget Cite and reuse the Mirador badge:

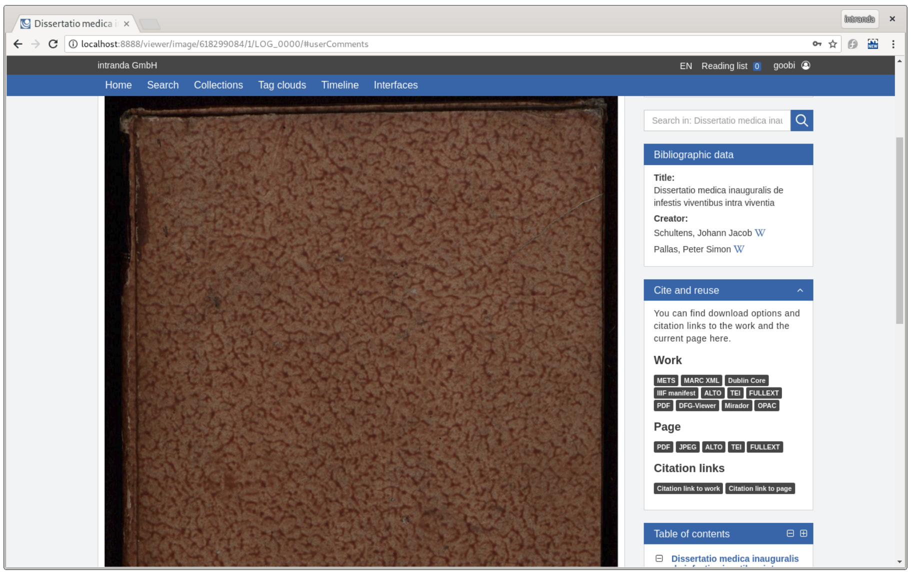

Dissertatio medica
localhost:8888/viewer/image/618299084/1/LOG_0000/#userComments
intranda GmbH
EN Reading list 0 goobi
Home Search Collections Tag clouds Timeline Interfaces
Search in: Dissertatio medica inau
Bibliographic data
Title:
Dissertatio medica inauguralis de infestis viventibus intra viventia
Creator:
Schultens, Johann Jacob
Pallas, Peter Simon
Cite and reuse
You can find download options and citation links to the work and the current page here.
Work
METS
MARC XML
Dublin Core
IIIF manifest
ALTO
TEI
FULLTEXT
PDF
DFG-Viewer
Mirador
OPAC
Page
PDF
JPEG
ALTO
TEI
FULLTEXT
Citation links
Citation link to work
Citation link to page
Table of contents
Dissertatio medica inauguralis

Figure 37: The quote and reuse widget contains a link to the internal Mirador

The comments are displayed as soon as the annotation layer is activated in the Mirador:

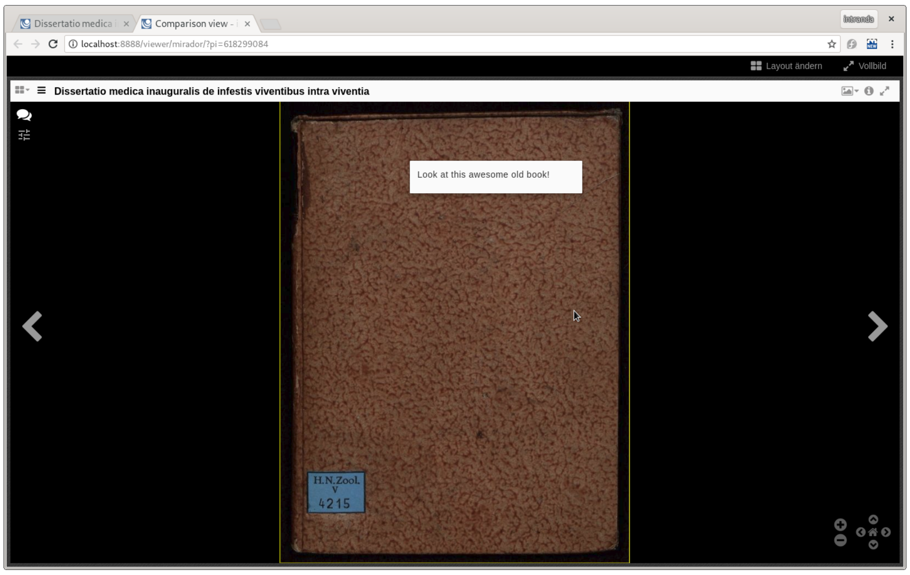

Dissertatio medica inauguralis de infestis viventibus intra viventia
Look at this awesome old book!
Layout ändern
Vollbild

Figure 38: Comment visible as annotation in IIIF manifest

4.2.2 Linking scientific papers

The Goobi viewer contains an integrated CMS system. A great amount of content can be managed on the web-based interface here. Among other things, it is possible to link CMS pages with records in the Goobi viewer.

In the following example, one record was researched and the results were published as a scientific paper. The record is available within the digital library and because both contents are Open Access, the institution would like to display the paper directly to the viewers of the record.

An administrator authenticates himself and opens the desired record. In the sidebar in the widget Changes to the work there is a link Add linked CMS page.

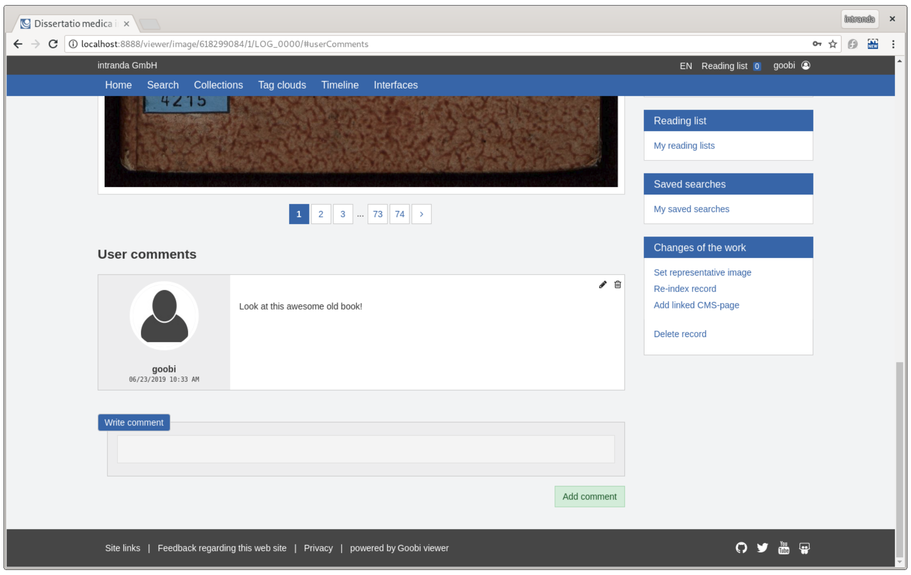
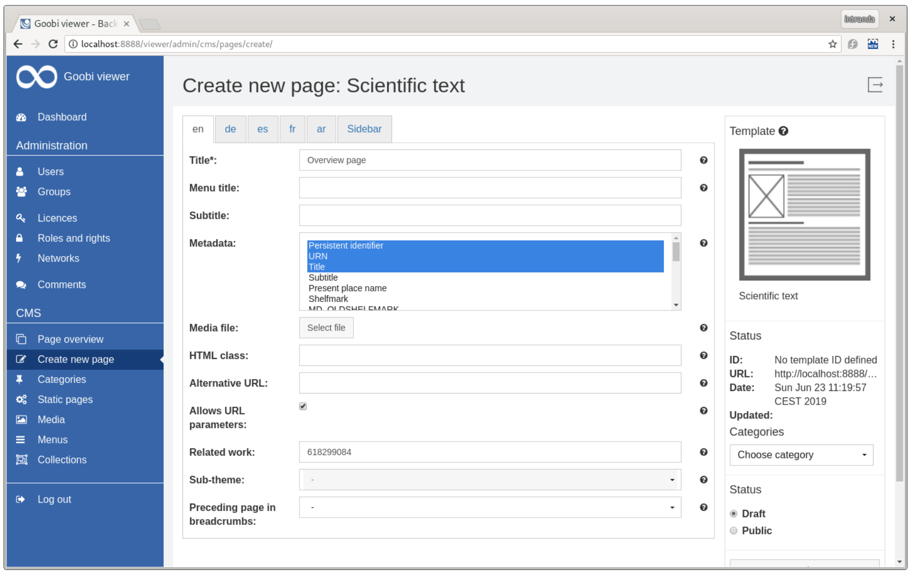


Figure 39: In the widget "Changes to the work" a linked CMS page can be added

After a click on the link the backend opens and a CMS page for Scientific text was automatically selected. The identifier of the record was automatically transferred to the field Related work.



Create new page: Scientific text

Title*:	Overview page
Menu title:	
Subtitle:	
Metadata:	Persistent identifier URN Title Subtitle Present place name Shelfmark MD_OLDSHELFMARK
Media file:	Select file
HTML class:	
Alternative URL:	
Allows URL parameters:	✓
Related work:	618299084
Sub-theme:	-
Preceding page in breadcrumbs:	-

Template: Scientific text

Status

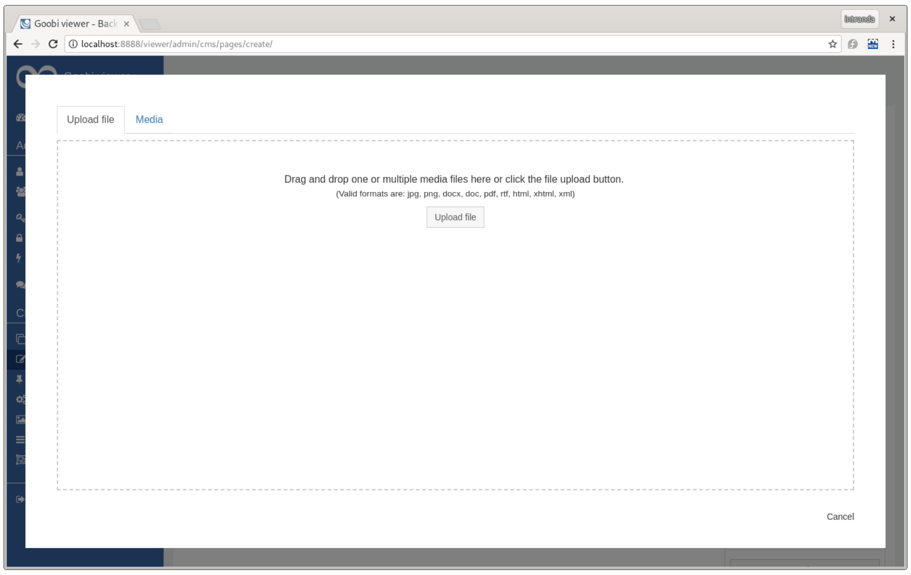
ID:	No template ID defined
URL:	http://localhost:8888/...
Date:	Sun Jun 23 11:19:57 CEST 2019
Updated:	

Categories: Choose category

Status: [✓ Draft] Public

Figure 40: CMS page for Scientific text with identifier pre-entered

The Title is the title of the page. The Menu title is displayed in the Sidebar. Under Media file the PDF file can be uploaded and selected:



Drag and drop one or multiple media files here or click the file upload button.
(Valid formats are: jpg, png, docx, doc, pdf, rtf, html, xhtml, xml)

Figure 41: Upload screen for a media file

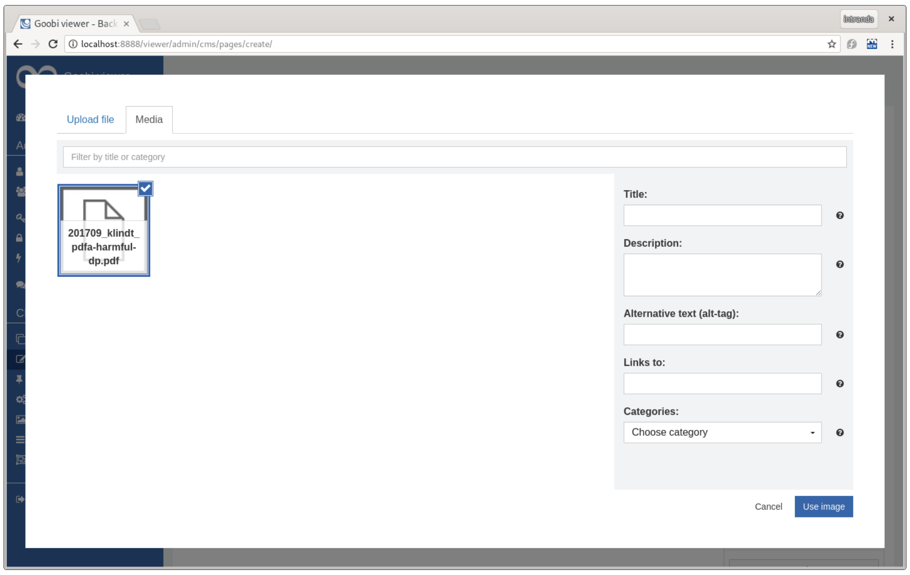
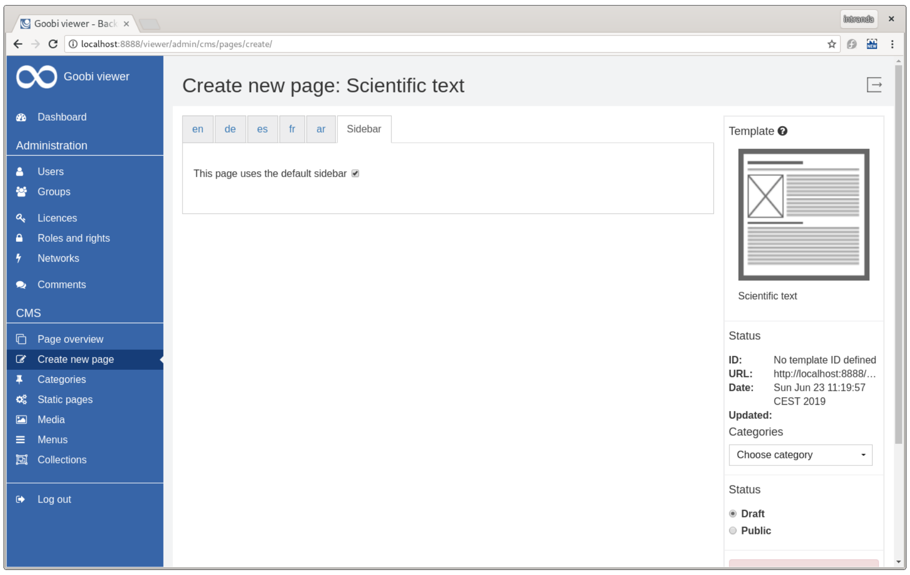

Goobi viewer - Back
localhost:8888/viewer/admin/cms/pages/create/
Upload file
Media
Filter by title or category
201709_klindt_pdfa-harmful-dp.pdf
Title:
Description:
Alternative text (alt-tag):
Links to:
Categories:
Choose category
Cancel
Use image

Figure 42: PDF file is selected

Now it is important to activate the checkbox This page uses the default sidebar in the tab Sidebar. This means that the Sidebar of the page will be used.



Create new page: Scientific text

This page uses the default sidebar ✓

Status

ID: No template ID defined
URL: http://localhost:8888/...
Date: Sun Jun 23 11:19:57 CEST 2019
Updated:

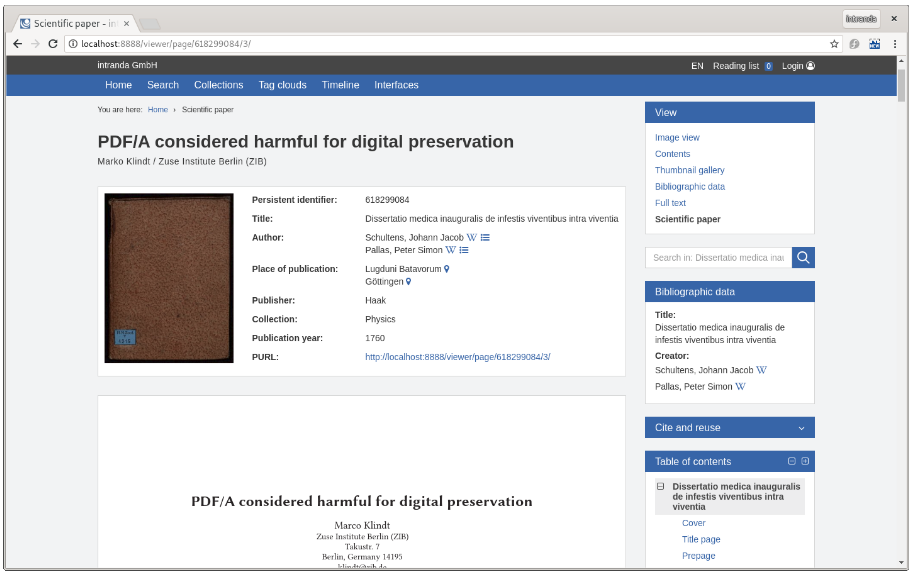
Status

[✓ Draft]
Public

Figure 43: This page uses the default sidebar

Then set the status in the Sidebar to Public and save the page.

Back in the record display, the new link to the linked CMS page is prominently visible in the sidebar. The PDF document can now be read directly in the record context:



You are here: Home › Scientific paper

PDF/A considered harmful for digital preservation
Marko Klindt / Zuse Institute Berlin (ZIB)

Persistent identifier:	618299084
Title:	Dissertatio medica inauguralis de infestis viventibus intra viventia
Author:	Schultens, Johann Jacob Pallas, Peter Simon
Place of publication:	Lugduni Batavorum Göttingen
Publisher:	Haak
Collection:	Physics
Publication year:	1760
PURL:	http://localhost:8888/viewer/page/618299084/3/

PDF/A considered harmful for digital preservation

Marco Klindt
Zuse Institute Berlin (ZIB)
Takustr. 7
Berlin, Germany 14195

Bibliographic data

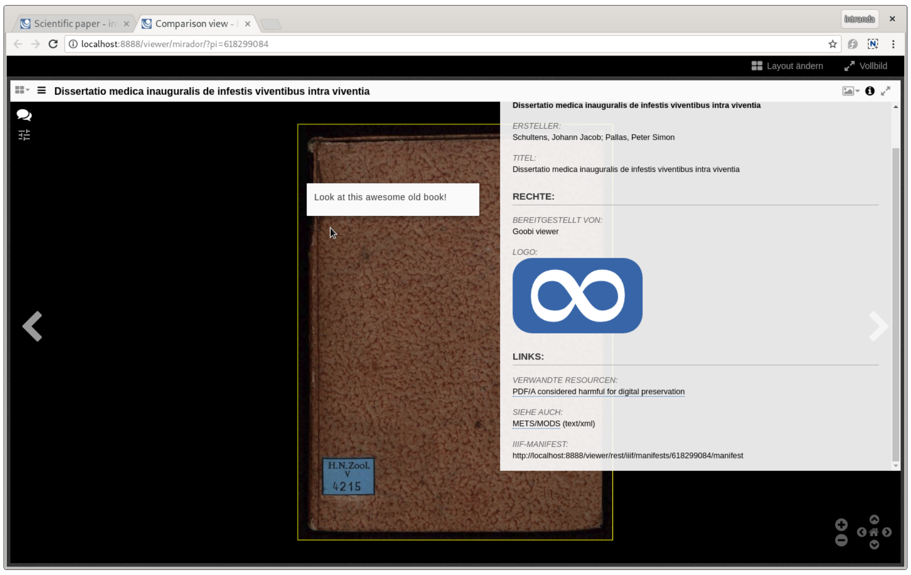
Title:
Dissertatio medica inauguralis de infestis viventibus intra viventia
Creator:
Schultens, Johann Jacob
Pallas, Peter Simon

Table of contents

Dissertatio medica inauguralis de infestis viventibus intra viventia
Cover
Title page
Prepage

Figure 44: CMS page visible in work context

CMS pages linked to a record are also automatically added to the IIIF Manifests as related resources. This can also be checked in the integrated Mirador:


Scientific paper - in
Comparison view -
localhost:8888/viewer/mirador/?pi=618299084
Layout ändern
Vollbild
Look at this awesome old book!
H.N.Zool.
V
4215

Dissertatio medica inauguralis de infestis viventibus intra viventia

ERSTELLER:
Schultens, Johann Jacob; Pallas, Peter Simon

TITEL:
Dissertatio medica inauguralis de infestis viventibus intra viventia

RECHTE:

BEREITGESTELLT VON:
Goobi viewer

LOGO:

LINKS:

VERWANDTE RESOURCEN:
PDF/A considered harmful for digital preservation

SIEHE AUCH:
METS/MODS (text/xml)

IIIF-MANIFEST:
http://localhost:8888/viewer/rest/iiif/manifests/618299084/manifest

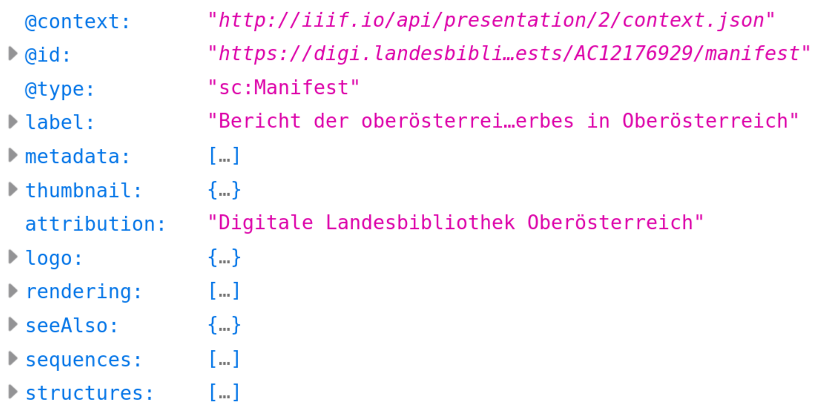
Figure 45: CMS page automatically added as Related resource in IIIF manifest

5 Consuming IIIF Manifests within the Goobi Community

Below you can find most of the content that was shown during the demonstration how IIIF Manifests are consumed within the Goobi Community.

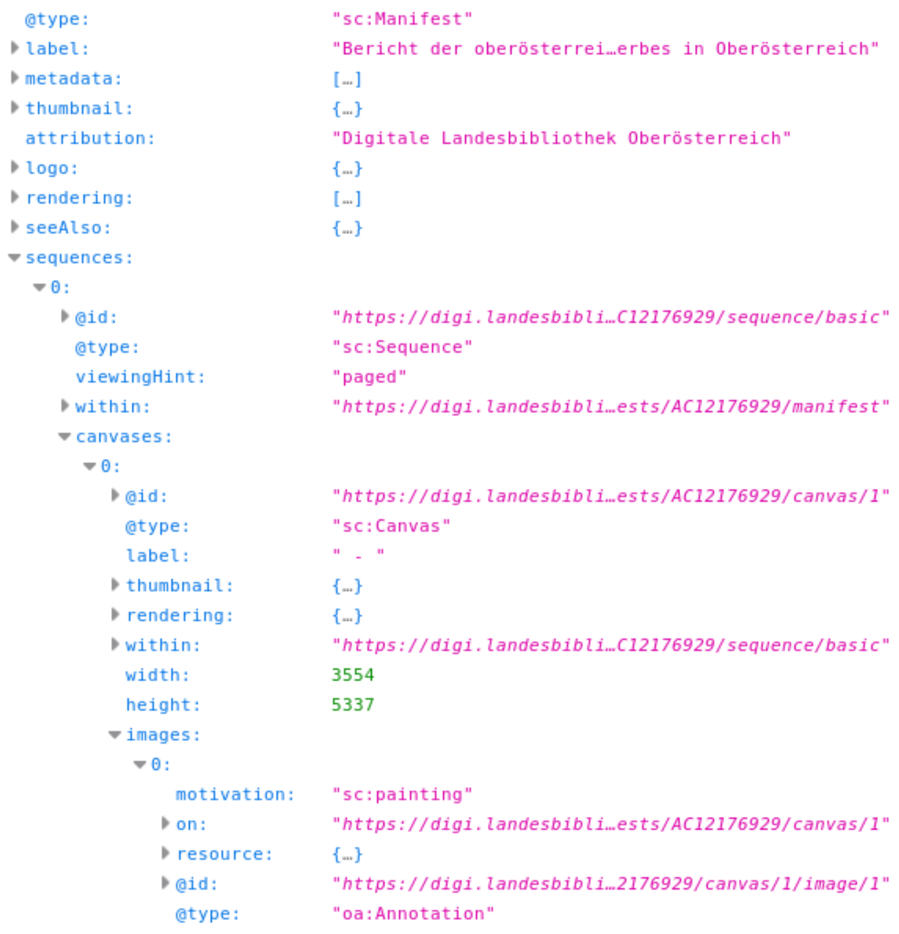
5.1 The Goobi IIIF api model in action

5.1.1 A IIIF manifest

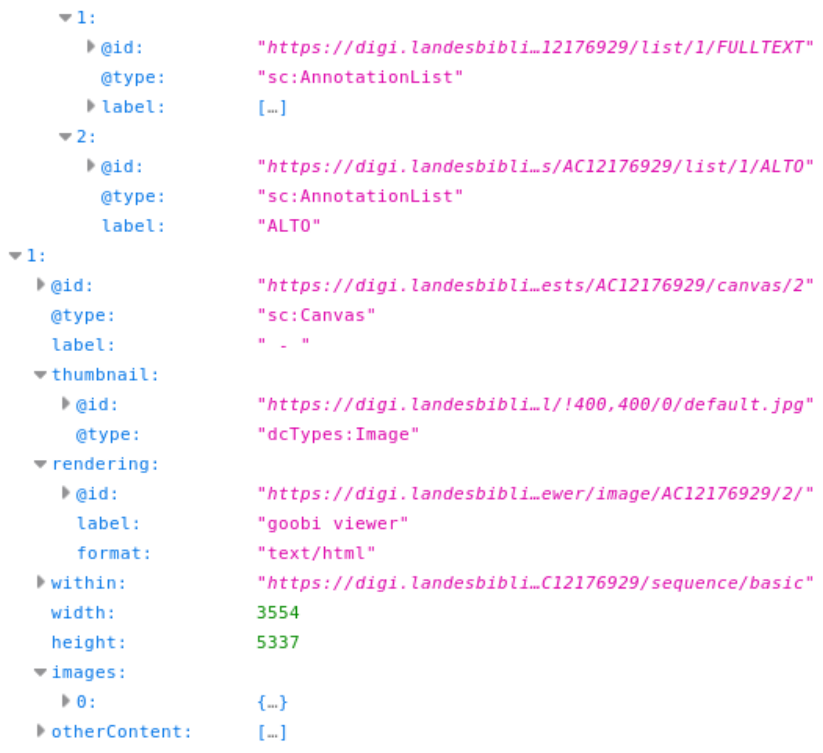


```
  @context:      "http://iiif.io/api/presentation/2/context.json"
▸ @id:           "https://digi.landesbibli…ests/AC12176929/manifest"
  @type:         "sc:Manifest"
▸ label:         "Bericht der oberösterrei…erbes in Oberösterreich"
▸ metadata:      […]
▸ thumbnail:     {…}
  attribution:   "Digitale Landesbibliothek Oberösterreich"
▸ logo:          {…}
▸ rendering:     […]
▸ seeAlso:       {…}
▸ sequences:     […]
▸ structures:    […]
```

5.1.2 A (partly) expanded IIIF manifest



```
  @type:                   "sc:Manifest"
▸ label:                   "Bericht der oberösterrei…erbes in Oberösterreich"
▸ metadata:                […]
▸ thumbnail:               {…}
  attribution:             "Digitale Landesbibliothek Oberösterreich"
▸ logo:                    {…}
▸ rendering:               […]
▸ seeAlso:                 {…}
▾ sequences:
  ▾ 0:
    ▸ @id:                 "https://digi.landesbibli…C12176929/sequence/basic"
      @type:               "sc:Sequence"
      viewingHint:         "paged"
    ▸ within:              "https://digi.landesbibli…ests/AC12176929/manifest"
    ▾ canvases:
      ▾ 0:
        ▸ @id:             "https://digi.landesbibli…ests/AC12176929/canvas/1"
          @type:           "sc:Canvas"
          label:           " - "
        ▸ thumbnail:       {…}
        ▸ rendering:       {…}
        ▸ within:          "https://digi.landesbibli…C12176929/sequence/basic"
          width:           3554
          height:          5337
        ▾ images:
          ▾ 0:
              motivation:  "sc:painting"
            ▸ on:          "https://digi.landesbibli…ests/AC12176929/canvas/1"
            ▸ resource:    {…}
            ▸ @id:         "https://digi.landesbibli…2176929/canvas/1/image/1"
              @type:       "oa:Annotation"
```



```
    ▼ 1:
      ▶ @id:        "https://digi.landesbibli…12176929/list/1/FULLTEXT"
        @type:      "sc:AnnotationList"
      ▶ label:      […]
    ▼ 2:
      ▶ @id:        "https://digi.landesbibli…s/AC12176929/list/1/ALTO"
        @type:      "sc:AnnotationList"
        label:      "ALTO"
▼ 1:
  ▶ @id:            "https://digi.landesbibli…ests/AC12176929/canvas/2"
    @type:          "sc:Canvas"
    label:          " - "
  ▼ thumbnail:
    ▶ @id:          "https://digi.landesbibli…l/!400,400/0/default.jpg"
      @type:        "dcTypes:Image"
  ▼ rendering:
    ▶ @id:          "https://digi.landesbibli…ewer/image/AC12176929/2/"
      label:        "goobi viewer"
      format:       "text/html"
  ▶ within:         "https://digi.landesbibli…C12176929/sequence/basic"
    width:          3554
    height:         5337
  ▼ images:
    ▶ 0:            {…}
  ▶ otherContent:   […]
```

5.1.3 Our IIIF API model

We created a Java model to deliver IIIF Manifests in the Goobi viewer:

```
http://github.com/intranda/iiif-api-model
```

The library is also available on our Maven repository. It can be imported like this:

```
<repositories>
  <repository>
    <id>intranda-public</id>
    <url>http://nexus.intranda.com/repository/maven-public</url>
  </repository>
</repositories>
<dependencies>
  <dependency>
    <groupId>de.intranda.api.iiif</groupId>
    <artifactId>iiif-api-model</artifactId>
    <version>1.1.4</version>
  </dependency>
</dependencies>
```

This model can also be used to consume IIIF Manifests in Java code. Getting a Manifest object is easy:

```
// use jackson to deserialize
ObjectMapper mapper = new ObjectMapper();
// configure the ObjectMapper to not fail on unknown properties
mapper.configure(DeserializationFeature.FAIL_ON_UNKNOWN_PROPERTIES, false);
// ...and accept single values as array
mapper.configure(DeserializationFeature.ACCEPT_SINGLE_VALUE_AS_ARRAY, true);
// deserialize the JSON manifest
try (InputStream in = new URL(manifestUrl).openStream()) {
    Manifest iiifManifest = mapper.readValue(in, Manifest.class);
}
```

After obtaining the `Manifest`, we can access the metadata, sequences, structures and everything else in Java objects:

```
List<Metadata> metadata = iiifManifest.getMetadata();
List<Sequence> sequences = iiifManifest.getSequences();
List<Range> structures = iiifManifest.getStructures();
```

Getting all images in a manifest would look like this:

```
iiifManifest.getSequences().stream()
    .flatMap(s -> s.getCanvases().stream())
    .flatMap(c -> c.getImages().stream());
```

5.2 The Goobi IIIF downloader

5.2.1 A ready-to-use application

The goobi-iiif-downloader is a batteries-included command line interface to download images and full text results linked in IIIF Manifests.

```
http://github.com/intranda/goobi-iiif-downloader
```

5.2.2 The Goobi IIIF downloader: Usage

Download all images from a manifest:

```
java -jar goobi-iiif-donwloader-1.1.0.jar \
--manifest \
"http://api.digitale-sammlungen.de/iiif/presentation/v2/bsb00046575/manifest"\
--destination Downloads/
```

Also download ALTO fulltext:

```
java -jar goobi-iiif-donwloader-1.1.0.jar \
--manifest \
"http://api.digitale-sammlungen.de/iiif/presentation/v2/bsb00046575/manifest" \
--download_alto \
--destination Downloads/
```

5.2.3 Goobi IIIF downloader: Advanced usage

Download all illustrations from a book:

```
java -jar goobi-iiif-donwloader-1.1.0.jar \
--manifest \
"http://digi.landesbibliothek.at/viewer/rest/iiif/manifests/AC12176929/manifest"
--destination Downloads/
--include-structures "Strukturtyp::Abbildung"
```

Download everything but illustrations from a book:

```
java -jar goobi-iiif-donwloader-1.1.0.jar \
--manifest \
"http://digi.landesbibliothek.at/viewer/rest/iiif/manifests/AC12176929/manifest"
--destination Downloads/
--exclude-structures "Strukturtyp::Abbildung"
```

Download 9 non-illustration pages from a book:

```
java -jar goobi-iiif-donwloader-1.1.0.jar \
--manifest \
http://digi.landesbibliothek.at/viewer/rest/iiif/manifests/AC12176929/manifest"
--destination Downloads/
--exclude-structures "Strukturtyp::Abbildung"
-max 9
```

5.3 Another example: The OCR font transcriptor

The OCR font transcriptor is an application to transcribe texts for later OCR training. The IIIF presentation API enables us to get resources for transcription easily.

```
http://localhost:9090/
```

6 Next steps

6.1 Documentation

Comprehensive user documentation is available for every area of Goobi, including the main programs, the plugins, scripts and the different use cases. The documentation is regularly updated and compiled on our central platform:

```
https://docs.intranda.com
```

We welcome suggestions, additions and criticism. You can contact us by email (support@intranda.com) or post a contribution to the Community Forum.

6.2 Community and Forum

The Goobi Community is made up of hundreds of people - from over 80 institutions in 17 countries - who work with Goobi every day. The Goobi Forum is the main platform used by the community to discuss questions, suggestions and developments. The most common languages used on the forum are German and English:

```
https://community.goobi.io
```

6.3 User meetings

User meetings are held at least once a year. Members of the community report on the latest developments, projects and challenges in the world of digitisation. The meeting is not limited to users, however. It is open to any institution that wishes to learn more about the software suite and the active community.

The next user meeting will be held in Göttingen (Germany) on 25 and 26 September 2019.

6.4 Contact

For more information about Goobi, see:

```
https://goobi.io
```

If you require further details, please do not hesitate to contact our Goobi and plugin development teams.

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info@intranda.com