

TEI Publisher: A Platform for Digital Editions

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TEI Publisher: A Platform for Digital Editions

Sarah Bénière

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EiDA DH Seminar 2024 January 30, 2024







Presentation Outline

- 1. TEI Publisher [3-7]
- Examples of TEI Publisher instances [8-19]
- **3.** Working with TEI Publisher [20-36]
- **4.** Workshop [37-58]
- **5**. Online Resources [59-62]

TEI Publisher

A Publication Platform

- Based on eXist-db (XML database management system)
- Ideal for the publication of TEI-XML documents
- A toolbox for the publication of digital scholarly editions







Beginner Friendly

- Easy-to-use tools → App Generator and built-in Annotation Tool
- Accepts various input formats, not only XML-based
 - → Microsoft Word's .docx w
- Delivers various output formats, not only a web application







Only programming requirement is basic HTML



Advantages of using TEI Publisher

- Limits the handwritten code with **templates**
 - Templates can be modified and enhanced, thus your application is **customizable**
- Open-source



Well-documented

Documentation

- Sustained by a very active community
 - Regular updates, community meetings, Slack support







Digital Scholarly Editions (DiScholEd) 2

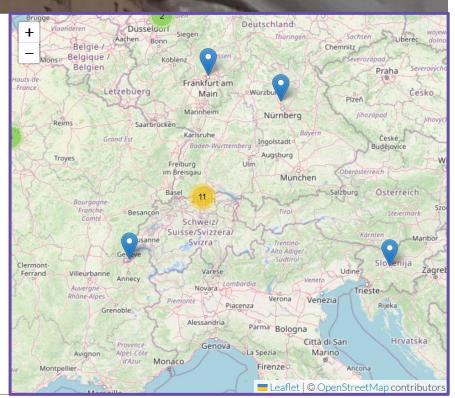
A platform dedicated to digital scholarly editions of egodocuments

Link Contact

Dossier Digital: Alexander von Humboldt y Cuba (1800–1830) ²

Proyecto Humboldt Digital (ProHD) aims to publish online a multilingual collection of texts related to Alexander von Humboldt's trip to Cuba and its reception in the island in the 19th Century.

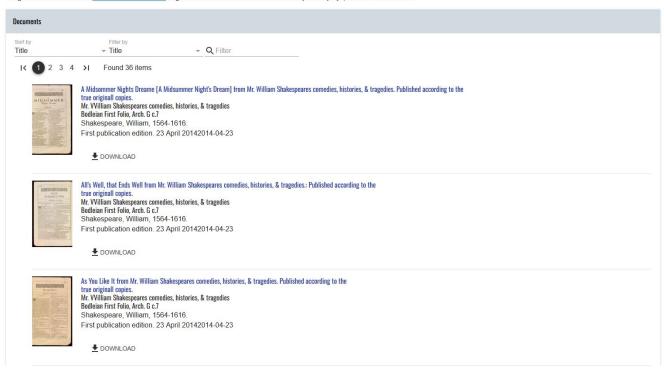
Link Contact



What does a TEI Publisher instance look like?



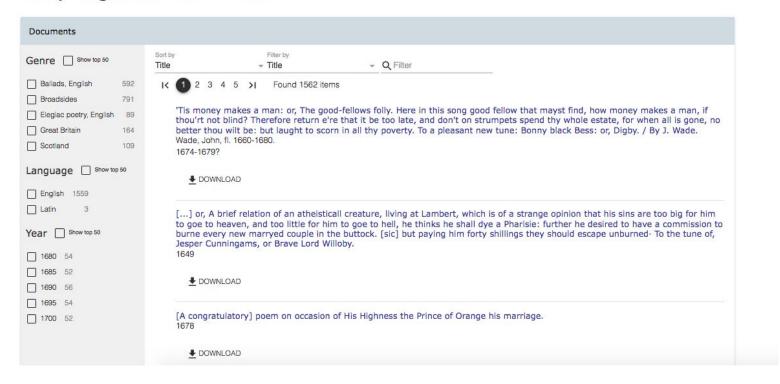
Images and text taken from The Bodleian First Folio; digital facsimile of the First Folio of Shakespeare's plays, Bodleian Arch. G c.7.



Basic TEI Publisher homepage (Source: Shakespeare's Plays)



Early English Books Online



Basic TEI Publisher homepage (Source: Early English Books Online)

Langue Français

DiScholEd - Éditions scientifiques numériques















Trier par Titre

Filtrer selon - Titre

- Q Filtrer



Correspondance de Constance de Salm (1767-1845)

Ce dossier contient l'édition numérique de lettres de Constance de Salm, ainsi que l'inventaire et les index de sa correspondance.



Journal des guerres napoléoniennes

Ce dossier contient le corpus d'un journal de guerre tenu pendant les guerres napoléoniennes.



Lettres et textes: Le Berlin intellectuel des années 1800

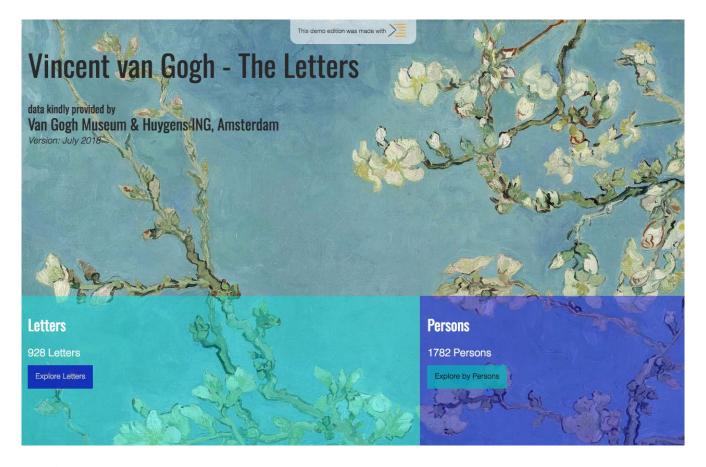
Ce dossier contient le corpus et les index des lettres et textes des intellectuels berlinois de 1800 à 1830.



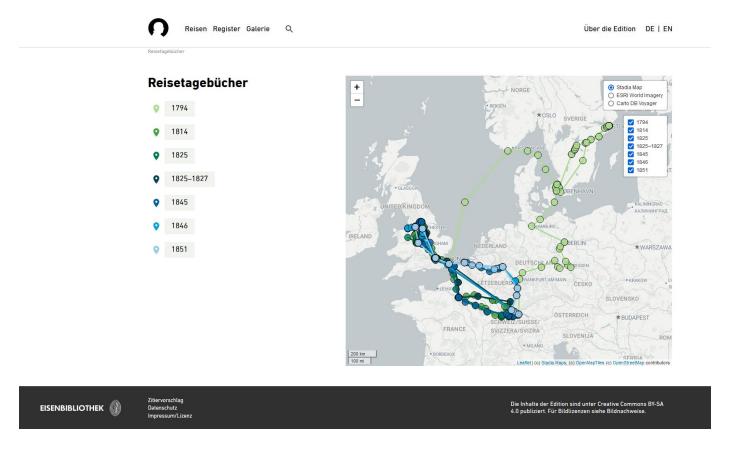
August Boeckh - Catalogue de ses manuscrits

Ce dossier contient le catalogue des manuscrits et papiers de Boeckh.

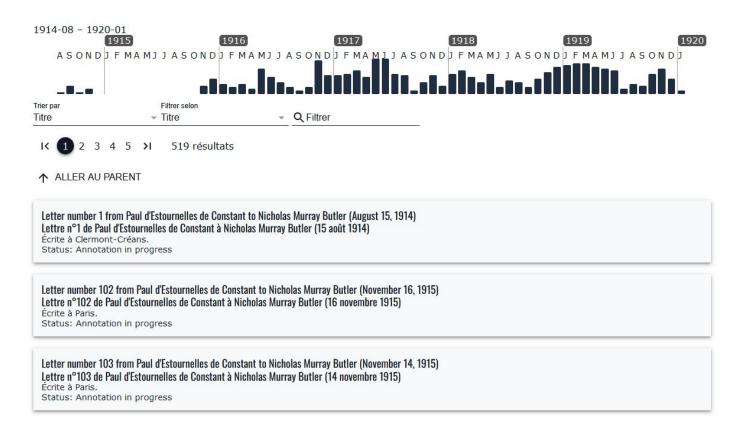
Homepage of an application with several collections (Source: DiScholEd)



Customized homepage (Source: Van Gogh Letters)



Homepage with a map (Source: Johann Conrad Fischer)



List of the files in the collection and a timeline, added with the pb-timeline web component (Source: DiScholEd, credit: Samuel Scalbert)

ADMIRABLE HISTORIA

de don Cárlos y Lucinda, naturales de Valencia, y como á un hijo que tuvieron llamado Julian, le habló un Ciervo saliendo á caza. Declarase lo que le dijo, y lo que despues sucedió á Julian.

PRIMERA PARTE

Suene el clarin de la fama con sus sonoros acentos. y por la region del aire esparza sus dulces écos: oiga todo enamorado, atienda todo discreto. todo galán presto oidos, todo jóven esté atento, los que de finos se precian, de amantes y caballeros, pues todos en esta historia bien pueden tomar ejemplo. En la ciudad de Valencia. córte y emporio del reino Valenciano, donde habitan tantas envídias de Venus; pues las damas que produce son de aquel cupido cíego flechas doradas y aljaba, con que logra sus trofeos: En esta bella cíudad. de Chipre, jardin ameno, un caballero vivía do los nobles de aquel reino:

















[A warning for all wicked livers] By the example of Richard Whitfield, and M. Gibs who were two nonroisous offenders, and both of one company, which two men made a daily practise, and got their livings by robbing and stealing both on the high-ways, and in any other places where they came, but were at last taken, apprehended and condemned to dye for robbing of a coach, & murdering of a capatins man at Shooters-Hill, in Kent, some five or six miles from London, and for that offence and others, Gibs was prest to death at Maidstone in Kent, and Whitfield was hanged in chains on Shooters-Hill, where he did the bloody deed, the 27th, of March, 1655. The manner how shall be exactly related in this dirty. The tune is, Ned Smith.

A Warning for all [?] \land \ldots \rangle

By the example of *Richard Whitfield*, and M. *Gibs* who were two notorious offenders, and both of one company, which two men made a daily practife, and got their livings by robbing and ftealing both on the High-ways, and in any other places where they came, but were at laft taken, apprehended and condemned to dye for robing of a Coach, & murdering of a Captains man at Shooters-Hil, in Kent, fome five or fin miles from London, and for that offence and others, *Gibs* was preft to death at Maidflone in Kent, and *Whitfield* was hanged in chains on Shooters-Hil, where he did the bloody deed, the 27th. of March, 1655. The manner how shall be exactly related in this Ditty.

The Tune is, Ned Smith.

OF two notorious Théeves, my purpose is to tell, Which near fair London Town long time did live and dwell. One of their names was Gibs. a Villain vile and base The other Dick Whirfield call'd, who ran a wicked race, To rob to theeve and steal. these couple gave their mind, And unto murder men, they daily were inclin'd, So ftout and bold they were that they durst fight with ten, And rob them on the way though they were lufty men,

Example of the display of a text only (Source: Early English Books Online)



EXORZISMUS - DÄMONENAUSTREIBUNG IM PRIESTERBUCH

SÉLESTAT, BIBLIOTHÈQUE HUMANISTE, 132, FF. 53v-54R

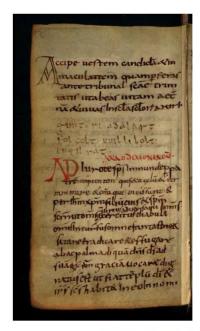
Ein Exorzismus ist ein ritualisierter Handlungsablauf, der datauf ausgelegt ist, alles Schlechte aus Gegenständen oder Personen auszutreiben. Sie können als akute Behandlung oder als präventive Vorsorge eingesetzt werden.

Exorzismen sind für das frühe Mittelalter breit belegt. Man findet sie zum Beispiel in Handbüchern für Priester und häufig überliefern Mitakelsammlungen von Heiligen sogar ausführliche Berichte über den Ablauf von Dämonenaustreibungen. Da Pilger erhebliche finanzielle Mittel mit sich brachten, standen im Mittelalter verschiedenen Wallfahrtsorten geradezu im Wettstreit miteinander. Mithilfe von Erzählungen über spektakuläre Exorzismen konnten die Geistlichen "ihre" Heiligen besonders gut in Szene setzen und so die Aufmerksamkeit der Gläubigen gewinnen.

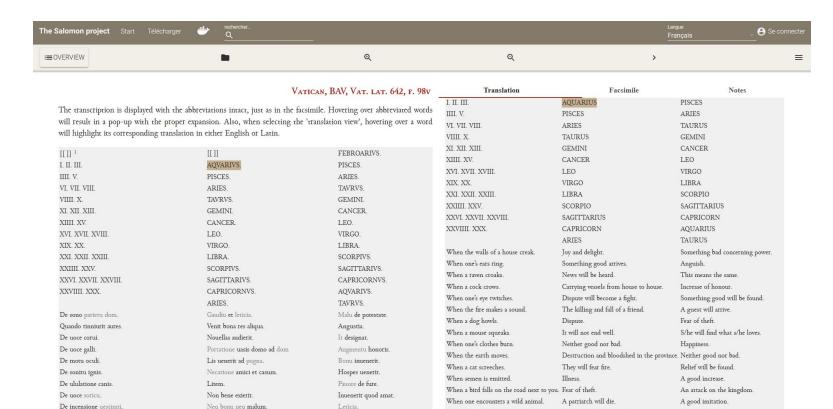
Für einen erfolgreichen Exorzismus war es wichtig, die passende Formel zu kennen. Auch Durchführungszeit und -ort sowie die Kleidung des Priesters mussten entsprechend gewählt werden. Häufig wurden Exorzismen während der Messe direkt am Altar durchgeführt, da in der Nähe der Reliquie die beste "Verbindung" zu Gott bestand. Die Exorzisten trugen häufig eine Albe (Taufgewand), die für die Wiedergeburt des Besessenen im Rahmen des Exorzismus' stand, sowie eine Stola. Zudem sollten sie fasten, um in der besten körperlichen und geistigen Verfassung zu sein. Man ging nämlich davon aus, dass ein Dämon den Priester angreifen konnte. Exorzismen konnten auch fehlschlagen und mussten dann wiederholt werden.

Ein Beispiel für so einen Exorzismus ist in dem nebenstehenden Priesterbuch (Selestar, Bibliothèque Humaniste, Cod. 132, ff. 53v–54r) zu finden. Priesterbücher enthielten die wichtigsten Kenntnisse für einen praktizierenden Priester. Ihr Inhalt wurde durch bischöfliche Listen vorgegeben und dann durch den jeweiligen Priester weiter für seine konkreten Allragsanforderungen ergänzt.

Der hier transkribierte Exotzismus wurde nachträglich auf eine freie Stelle geschrieben, die beim Zusammenfügen des Buches aus verschiedenen kützeren Handschriften entstanden ist. Diese wurden zuvor einzeln bzw. lose benutzt, was man an den Verfärbungen der Seiten durch vielfache Nutzung, auch ohne Buchdeckel sehen kann. Vor dem Exotzismus hat ein Schreiber fünf Namen in das Buch gektitzelt: Gunteri, Adalart, Folcolt, Vvillibolt



Bilder erhalten über Bibliothèque Humaniste Sélestat, Universitätsbibliothek Basel und Stadtbibliothek Trier



Neq bonu neq malu.

When a candle extinguishes suddenly.

A house will be acquired.

A patriarch will die.

Interactive layout (Source: The Solomon Project)

Consumation et sang effusion ip.

De tre motu.



Management of languages written from right to left, and interactive layout (Source: TraveLab)

Working with TEI Publisher

TEI Publisher: Website vs. Application

TEI Publisher website

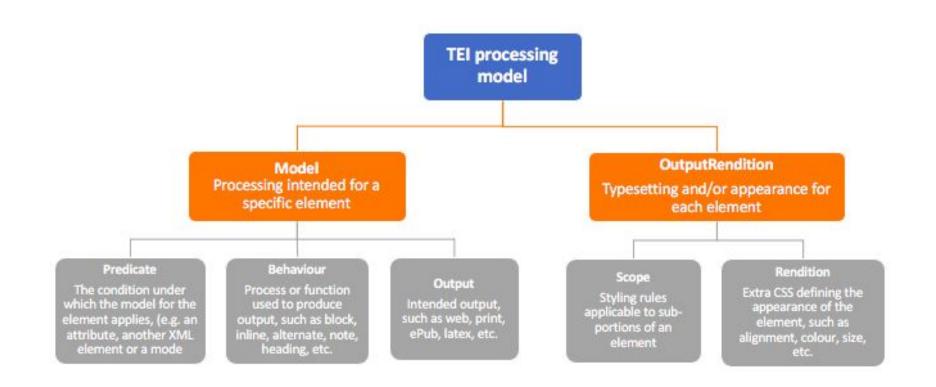
- Browse through the demo applications (Van Gogh, Shakespeare, etc.)
- Playground area to experiment with the suggested files or your own, test the ODDs and templates
- Annotation area to discover the tool

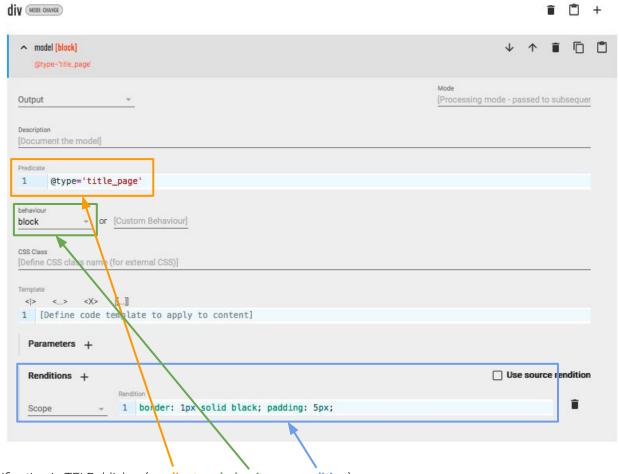
Your own TEI Publisher application

- Customize the ODD and templates as you wish
- Add documentation or new pages to your project
- Export your edition in PDF of ePub

The TEI Processing Model

- The TEI Processing Model acts as a stylesheet for transforming the XML information into an HTML/CSS display
 - Corresponds to the TEI Publisher ODD
- Key elements of the TEI Processing Model:
 - Predicate → Gives the context of the element (within the XML tree, its attribute(s), mode, etc.)
 - Behaviour → Defines the interpretation of the element (as a block, inline, etc.)
 - Rendition → Defines the CSS style for the output (alignment, color, size, case, etc.)

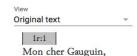




Example of an ODD specification in TEI Publisher (predicate - behaviour - rendition)

The **HTML templates** can be:

- Very simple → display of the transformed XML only
- More complex → multiple layout options of the content (facsimile, transcription, translation, map, etc.)



ce matin j'ai reçu votre excellente lettre que j'ai derechef envoyé à mon frère; votre conception de l'impressioniste en général, dont votre portrait est un symbole, est saisissante. Je suis on ne peut plus intrigué de voir cela – mais il me semblera j'en suis sûr d'avance que

intrigue de voir cela – mais il me semblera j'en suis sûr d'avance que cette oeuvre soit trop importante pour que j'en veuille en echange.

Mais si vous voulez la garder pour nous, mon frère la vous prendra,

Mais si vous voulez la garder pour nous, mon frère la vous prendra, ce que je lui ai immédiatement demandé, si vous voulez à la premiere occasion et esperons que cela sera sous bien peu.

Car nous chercherons encore une fois à presser la possibilité de votre venue.

Je dois vous dire que meme pendant le travail je ne cesse à songer à cette entreprise de fonder un atelier ayant vous-meme et moi pour habitants fixes mais dont nous desirerons tous les deux faire un abri et un asile pour les copains au moments où ils se trouveront acculés dans leur lutte. Lorsque vous etes parti de Paris mon frère et moi y avons encore passé ensemble un temps qui me demeurera toujours

Source: Van Gogh Letters application

Original text + line endings

Mon cher Gauguin,

1r:1

ce matin j'ai reçu votre excellente lettre que j'ai derechef envoyé à mon frère; votre conception de l'impressioniste en général, dont votre portrait est un symbole, est saisissante. Je suis on ne peut plus intrigué de voir cela – mais il me semblera j'en suis sûr d'avance que cette oeuvre soit trop importante pour que j'en veuille en echange.

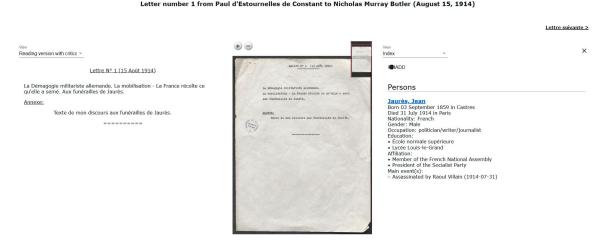
Mais si vous voulez la garder pour nous, mon frère la vous prendra, ce que je lui ai immédiatement demandé, si vous voulez à la premiere occasion et esperons que cela sera sous bien peu.

Car nous chercherons encore une fois à presser la possibilité de votre venue.

Je dois vous dire que meme pendant le travail je ne cesse à songer à cette entreprise de fonder un atelier ayant vous-meme et moi

MODES

- Different displays for a single element
- Created with the "Predicate" in the ODD and declared in the HTML



From left to right: transcription, facsimile, index (credit: Floriane Chiffoleau, DiScholEd)

PANELS

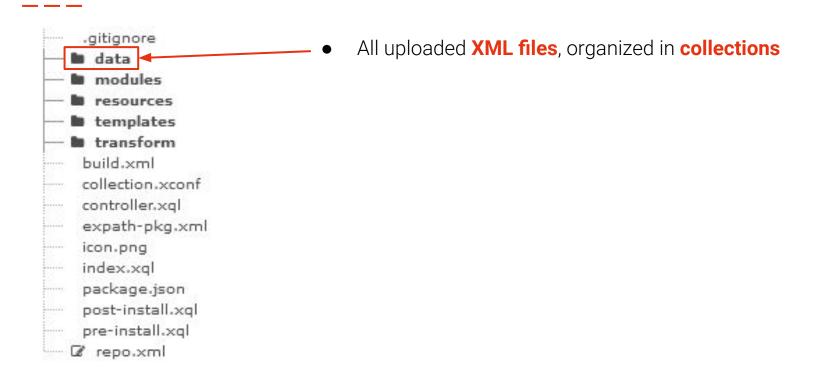
- Display of multiple content at the same time
- Shows several layers of the encoding at once

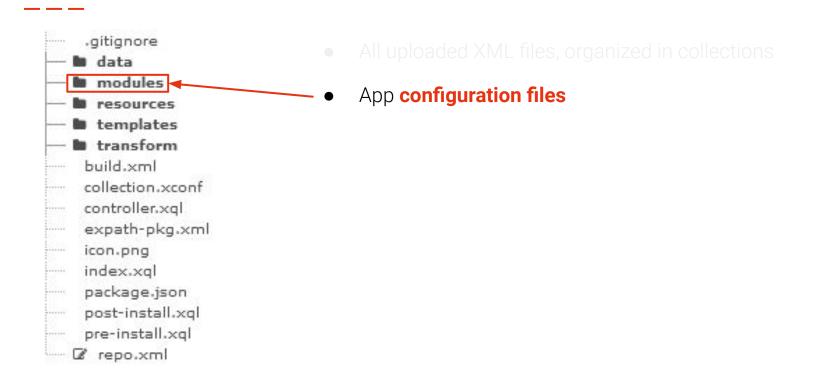
TOOLBAR

- Gives access to extra content (table of contents, metadata, licence, etc.)
- Transformation of the content of the <teiHeader>



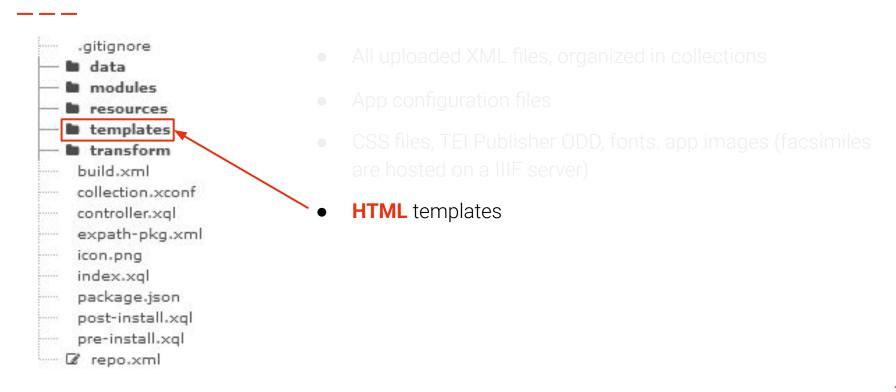
Toolbar from the EHRI Online Editions TEI Publisher application







- All uploaded XML files, organized in collections
- App configuration files
- CSS files, TEI Publisher ODD, fonts, app images (facsimiles are hosted on a IIIF server)





HTML templates included in a basic TEI Publisher application

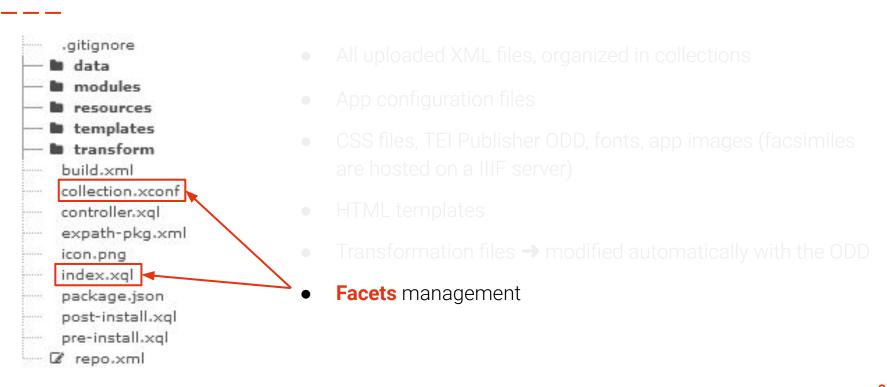
=	templates
	about
	history
9 13	pages
	about.html
	api.html
	documents.html
	drawer.html
	error-page.html
	index_bi.html
	index_cds.html
	index_ehri.html
	index_nachlassprojekt.html
	index_pec.html
	index.html
	menu_nodownload.html
	menu.html
	odd-editor.html
	search.html
	toolbar_letters.html
	to olbar.html

HTML templates in the DiScholEd app

(credit: Floriane Chiffoleau)



- All uploaded XML files, organized in collections
- App configuration files
- CSS files, TEI Publisher ODD, fonts, app images (facsimiles are hosted on a IIIF server)
- HTML templates
 - **Transformation files** → modified automatically with the ODD



Structure of a TEI Publisher Application

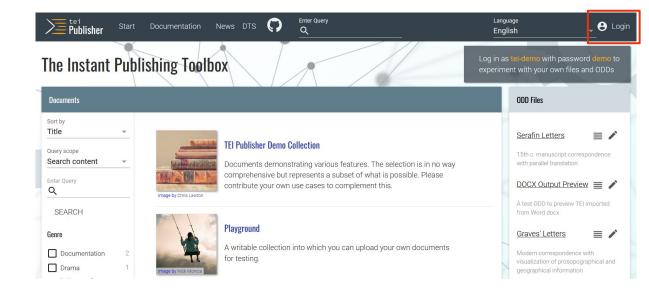
.gitignore data modules m resources templates transform build.xml collection.xconf controller.xql expath-pkg.xml icon.png index.xql package.json post-install.xql pre-install.xql repo.xml

- All uploaded XML files, organized in collections
- App configuration files
- CSS files, TEI Publisher ODD, fonts, app images (facsimiles are hosted on a IIIF server)
- HTML templates
- Transformation files → modified automatically with the ODD
- Facets management
- All the other files should not be modified

Workshop

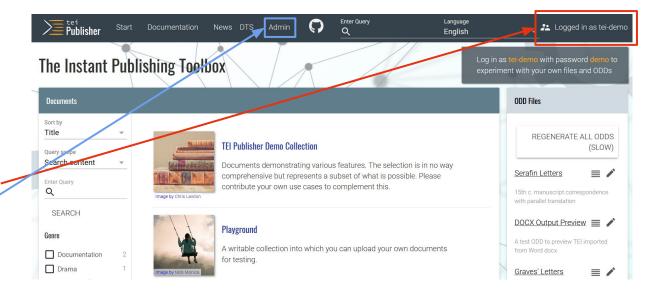
Log in

 Go to the "Try it" section on the TEI Publisher website, you should arrive here

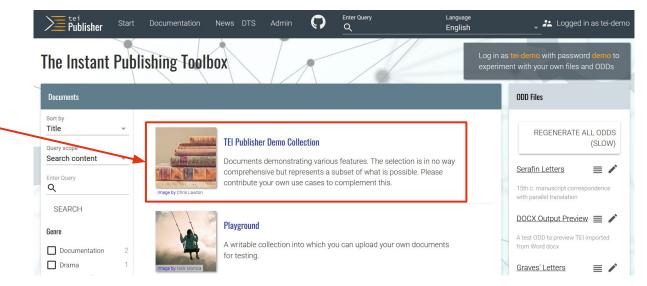


Log in

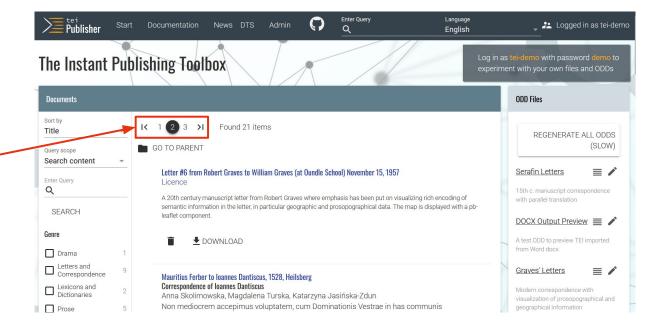
- Go to the "Try it" section on the TEI Publisher website, you should arrive here
- Log in as tei-demo (password: demo) to have access to the "Admin" menu

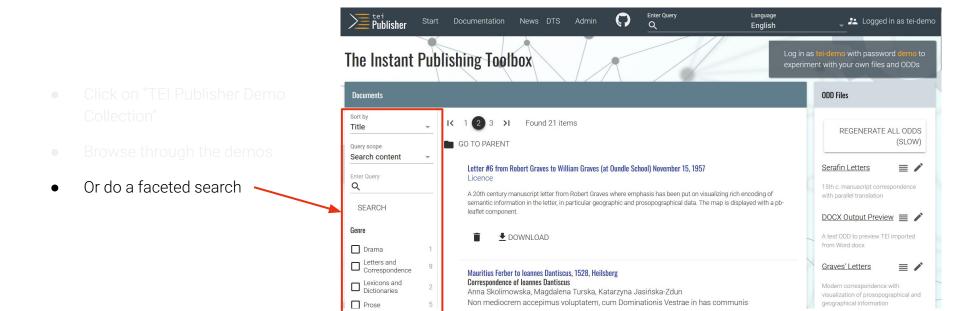


Click on "TEI Publisher Demo Collection"

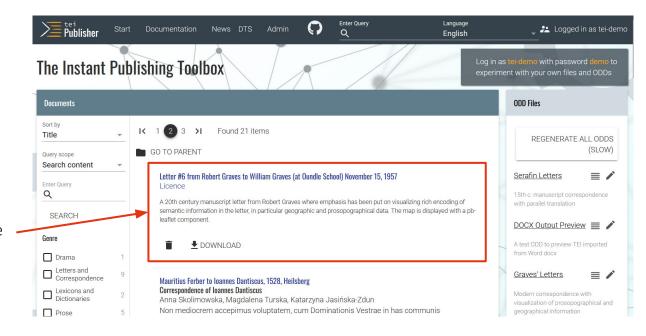


- Click on "TEI Publisher Demo Collection"
- Browse through the demos

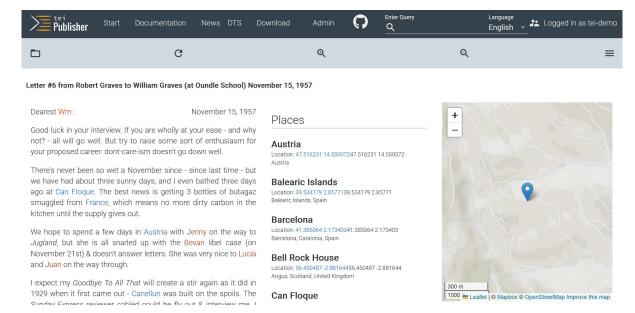




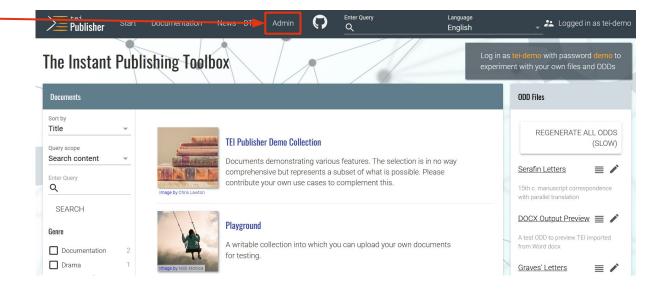
- Click on "TEI Publisher Demo Collection"
- Browse through the demos
- Or do a faceted search
- Select the demo you want to see



- Click on "TEI Publisher Demo Collection"
- Browse through the demos
- Or do a faceted search
- Select the demo you want to see



Go to the "Admin" menu

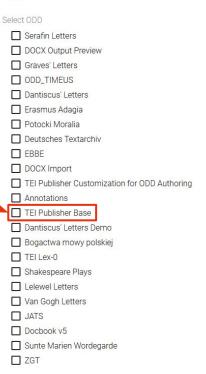


- Go to the "Admin" menu
- Select "App Generator"



- Go to the "Admin" menu
- Select "App Generator
- Select an ODD → TEI Publisher Base

App Generator



- Go to the "Admin" menu
- Select "App Generator
- Select an ODD → TFI Publisher Base
- Create a URL for your application →
 https://teipublisher.com/exist/apps/eidaworkshop/index.html

URL to uniquely identify the app

https://teipublisher.com/exist/apps/eidaworkshop/index.html

Short name to be used in URLs and file names

eidaworkshop

Name of subcollection to hold TEI documents

data

Title of the app which will be shown e.g. in the dashboard

EiDA Workshop

- Go to the "Admin" menu
- Select "App Generator"
- Select an ODD → TEI Publisher Base
- Create a URL for your application →
 https://teipublisher.com/exist/apps/eidaworkshop/ir
 dex html
- Enter the **name** of your application → eidaworkshop

URL to uniquely identify the app
https://teipublisher.com/exist/apps/eidaworkshop/index.html

Short name to be used in URLs and file names
eidaworkshop

Name of subcollection to hold TEI documents
data

Title of the app which will be shown e.g. in the dashboard
EiDA Workshop

- Go to the "Admin" menu
- Select "App Generator"
- Select an ODD → TEI Publisher Base
- Create a URL for your application → https://teipublisher.com/exist/apps/eidaworkshop/in dex.html
- Enter the name of your application → eidaworkshop
- Enter the name of the collection holding the XML files → data

URL to uniquely identify the app

https://teipublisher.com/exist/apps/eidaworkshop/index.html

Short name to be used in URLs and file names eidaworkshop

Name of subcollection to hold TEI documents data

Title of the app which will be shown e.g. in the dashboard

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 → data
- Enter the **title** of your application → EiDA Workshop

URL to uniquely identify the app

https://teipublisher.com/exist/apps/eidaworkshop/index.html

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- Create a URL for your application → https://teipublisher.com/exist/apps/eidaworkshop/in dex.html
- Enter the name of your application → eidaworkshop
- Enter the name of the collection holding the XML files
 → data
- Enter the title of your application → EiDA Workshop
- Keep the prefilled parameters

Choose the HTML template to be used as default	
HTML Template Default single text layout	*
Choose what is shown by default when browsing text: a single page or an entire division. Display by page	e requires that the TEI is properly marked up with <tei:pb> tag:</tei:pb>
Default View By division (chapter/section)	▼.
Define the smallest block on which a full text index is created. For documents organized into divisions, clohose 'Create on text'.	choosing 'Create on division' is usually best. If there are no divisions
Default Full Text Index	

Create on division

- Determine a user account (eida) and password (workshop) for your application

User account for administrative tasks. The user will be created if it does not yet exist. The user account who will own the app. eida

Password for the user owning this app.

SAVE/GENERATE

- Go to the "Admin" menu
- Select "App Generator"
- Select an ODD → TFI Publisher Base
- Create a URL for your application →
 https://teipublisher.com/exist/apps/eidaworkshop/ir dex html
- Enter the name of your application → eidaworkshop
- Enter the name of the collection holding the XML files
 → data
- Enter the title of your application → EiDA Workshop
- Keep the prefilled parameters
- Determine a user account (eida) and password (workshop) for your application

Click on "SAVE/GENERATE"

User account for administrative tasks. The user will be created if it does not yet exist.

eida

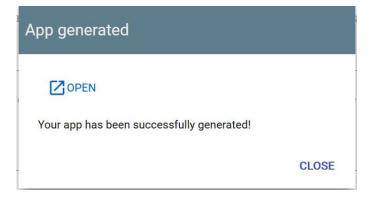
Password for the user owning this app.

The user account who will own the app.

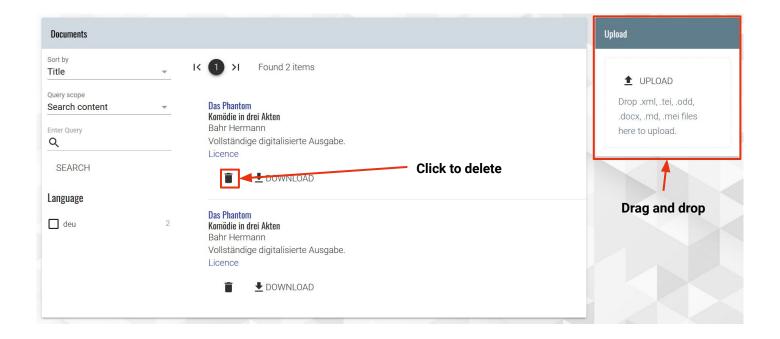
......

SAVE/GENERATE

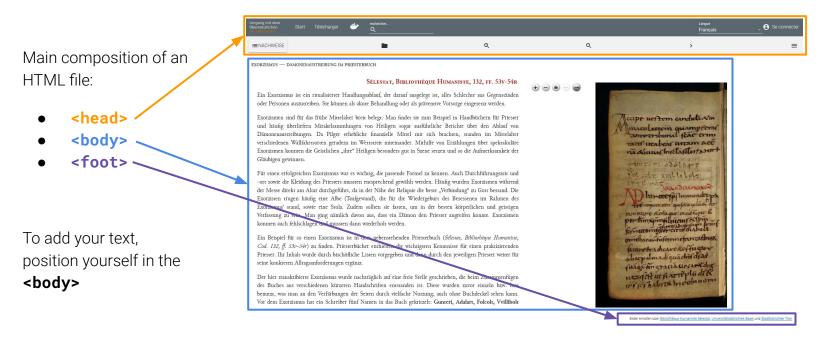
- Go to the "Admin" menu
- Select "App Generator"
- Select an ODD → TFI Publisher Base
- Create a URL for your application →
 https://teipublisher.com/exist/apps/eidaworkshop/ir
 dex html
- Enter the name of your application → eidaworkshop
- Enter the name of the collection holding the XML files
 → data
- Enter the title of your application → EiDA Workshop
- Keep the prefilled parameters
- Determine a user account (eida) and password (workshop) for your application
- Click on "SAVE/GENERATE"



Managing Files in the Web Interface



Filling in the Static Templates: HTML Basics



Filling in the Static Templates: HTML Basics

```
Adding a text division → <div>
Adding a heading → <h1> <h2> <h3> <h4> <h5> <h6>

Adding a paragraph → 
Creating a list (with bullet points) → <u1>
Creating an ordered list (with numbers or letters) → <o1>
Adding an item within a list → <1i>
Adding a link → <a href="URL" target="_blank">
```

Opens the link in a new window or tab

Online Resources

On Digital Publishing

Burnard, L. (2014). What is the Text Encoding Initiative? How to Add Intelligent Markup to Digital Resources. OpenEdition Press. DOI: 10.4000/books.oep.426.

Chagué, A., & Chiffoleau, F. (March 2021). An Accessible and Transparent Pipeline for Publishing Historical Egodocuments [Communication]. What's Past is Prologue, The NewsEye International Conference, online. https://hal.science/hal-03180669.

Driscoll, M., & Pierazzo, E. (Eds.). (2016). *Digital Scholarly Editing: Theories and Practices*. OpenBook Publishers. DOI: 10.11647/OBP.0095.

Pierazzo, E. (2019). What Future for Digital Scholarly Editions? From Haute Couture to Prêt-à-Porter. *International Journal of Digital Humanities*, 1(2), 209-220. DOI: 10.1007/s42803-019-00019-3.

Scheithauer, H., Chagué, A., & Romary, L. (November 2021). From eScriptorium to TEI Publisher [Communication]. Brace Your Digital Scholarly Edition!, Berlin. https://inria.hal.science/hal-03538115.

On TEI Publisher

TEI Publisher Documentation: https://teipublisher.com/exist/apps/tei-publisher/documentation.

Chiffoleau, F. (2020, December 4). Publication of my Digital Edition – Working with TEI Publisher. *Digital Intellectuals*. https://digitalintellectuals.hypotheses.org/3912.

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Scalbert, S. (2023, June 29). Overcoming Challenges in DiScholEd's Development: A Journey of Problem-Solving and Design Enhancements. *Digital Intellectuals*. https://digitalintellectuals.hypotheses.org/4948.

Examples of TEI Publisher Instances

TEI Publisher Project Registry: https://www.e-editiones.org/map/ DiScholEd: https://discholed.huma-num.fr/exist/apps/discholed/index.html Van Gogh Letters: https://teipublisher.com/exist/apps/vangogh/index.html Umgang mit dem Übernatürlichen im Mittelalter (**=**): https://daemon.libripendis.eu/ Shakespeare's Plays: https://teipublisher.com/exist/apps/shakespeare-pm/index.html When the Wall Came Down: https://teipublisher.com/exist/apps/dodis-facets/index.html TraveLab: https://teipublisher.info/exist/apps/TraveLab/Benjamin%20of%20Tudela.xml Solomon Project: https://tei.mittelalter.uni-tuebingen.de/exist/apps/salomon/Salomon3.xml Johann Conrad Fischer (): https://johannconradfischer.com/de/travels

Thank you for your attention!

Any questions?