

**Virtuelles DH-Kolloquium an der BBAW, 24.11.2025**

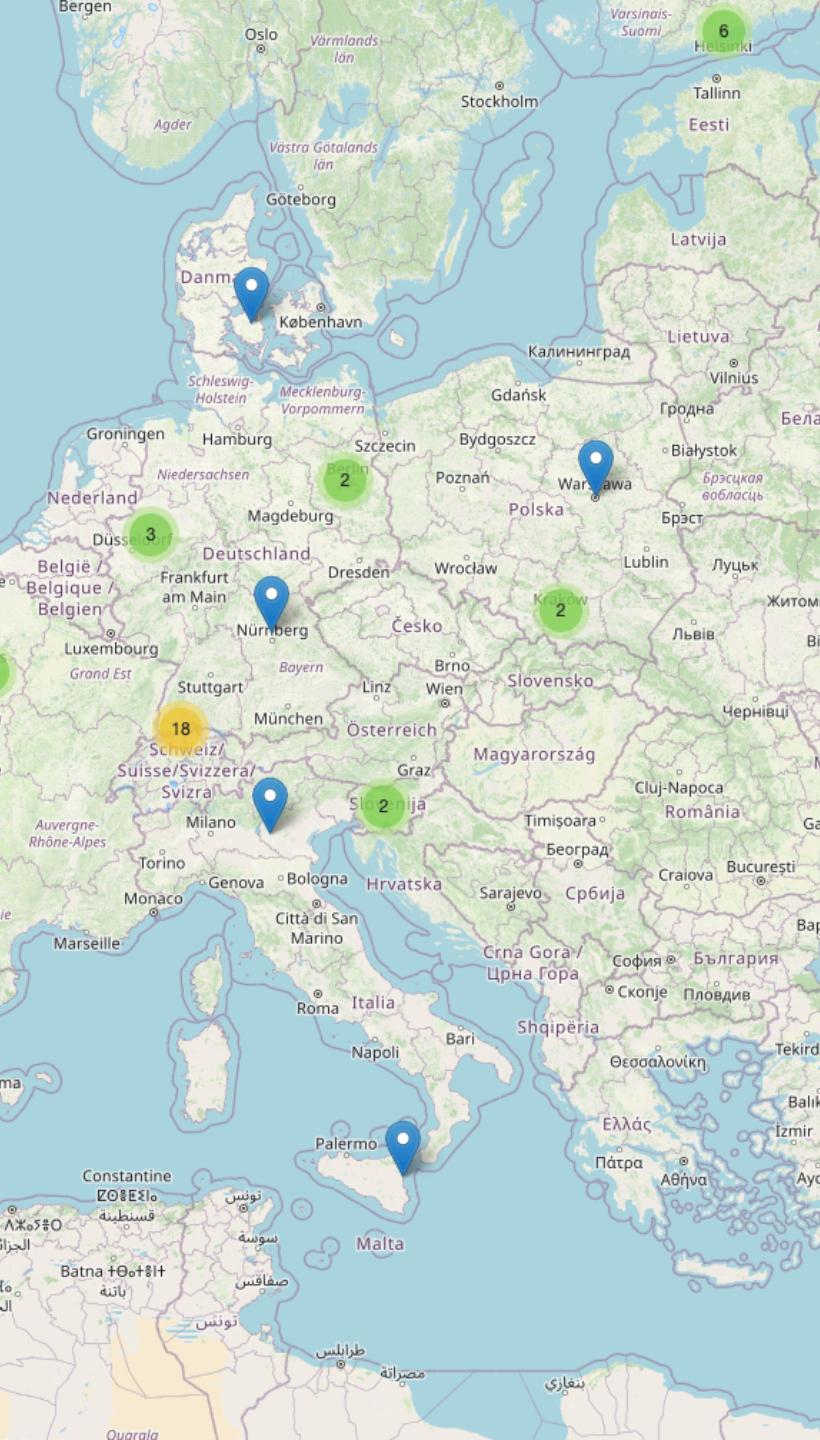
## **TEI-Publisher**

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# TEI Publisher

- started in 2015 as a reference implementation of the TEI Processing Model
  - evolved into a complete toolbox for publishing digital editions
  - grassroots community effort coordinated by e-editiones



# Vision

- "one-size fits all" rarely works in the humanities
- reusable, modular components to be rearranged and recombined
- sensible defaults where possible without limiting extensibility

# TEI Processing Model

- used for all textual transformations in TEI Publisher
- formalizes the description of transformation rules in TEI ODD
- officially part of the TEI Guidelines since 2016

# TEI Publisher 10

- extends the toolbox idea and moves it to the next level
- decomposes the core of TEI Publisher into a set of small, modular profiles, which can be customized and recombined to compose concrete applications

## Benefits

- for **editors**: many aspects covered by configuration plus TEI ODD, no coding required
- for **developers**: faster production of digital editions by reusing and customizing profiles; less copy and paste of code
- for **infrastructure providers**: provide tailored blueprints for an institution; clear update and maintenance path

# Profiles

- **Base:** a profile providing the core server-side API of TEI Publisher and basic page layout without styling
- **Feature:** a functional sub-profile. It adds specific functionality, e.g. docker configuration, IIIF viewer or a landing page
- **Theme:** provides styling for a particular look and feel. Without this, you only get very plain HTML website.
- **Blueprint:** a complete template for an application targeted at a specific use case like a monograph, correspondence edition, dictionary etc. It combines the base profile with a feature and theme selection and configuration.

- each profile covers a particular aspect
- it may depend on or extend other profiles
- all profiles and applications generated from them have the same organizational structure

## Blueprints

Preconfigured Packages

- feature selection
- features configuration (via predefined properties)
- dedicated ODD\* and CSS\*
- custom templates

## Themes

Visual Styling

- color palette
- illustrations, backgrounds
- font specifications
- logos and branding

## Features

Atomic Building Blocks

- timeline
- IIIF
- registers
- landing page
- custom navigation
- upload, JinnTap, Annotations
- static website
- DOCX, JATS, DocBook...

## Base

Core Elements

- teiPublisher.odd
- basic layouts
- search and facets
- navigation
- webcomponents
- common API
- localisation support
- predefined templates

## Jinks

- central application manager of TEI Publisher: composes profiles into applications
- the composition is controlled by a central configuration file to which each profile contributes its settings
- updates to upstream profiles can be applied automatically
- local changes are tracked to avoid overwriting by upstream changes

# Jinks Templates

- new templating library works for HTML as well as XQuery, Javascript, CSS ...
- used statically to generate application code as well as dynamically for rendering HTML pages

- powerful template inheritance model:  
assemble simpler templates to build  
complex page layouts
- frontmatter allows templates to adjust  
configuration settings, e.g. disable UI  
features

```
<template>
  —json
  {
    "templating": {
      "extends": "templates/layouts/content.html"
    },
    "features": {
      "toc": {
        "enabled": false
      },
      "edition-navigation": {
        "navigation": true,
        "in-correspondence": true
      },
      "timeline": {
        "document-view": true
      },
      "toolbar": {
        "navigation": false
      },
      "register": {
        "enabled": true
      }
    }
  }

  <pb-view class="column1" src="document1" xpath="//text"
    append-footnotes="append-footnotes" subscribe="true">
    <pb-view class="column2" src="document1" xpath="//text"
      append-footnotes="append-footnotes" />
  </pb-view>
</template>
```

# Page Layout and Theming

- all styling is handled by theme profiles
- TEI Publisher base only provides an *abstract page layout*
- profiles may inject UI fragments into defined areas

The screenshot illustrates the TEI Publisher interface, showing how different theme profiles can be applied to the same underlying data structure. The interface includes a header bar with navigation links like 'Start', 'Dokumentation', 'Administration', and search fields. Below the header are sections for 'Sammlungen' (Collections) and 'content-top' (content top).

**header** (top right):

- before-top: Shows a keyboard image and the text 'Dokumentation'.
- content-top: Shows a book image and the text 'Demo Collection'.
- after-top: Shows a map of a city area with a location marker.

**Genre** (left sidebar):

Genre	Count
Drama	1
Literature	2
Lexicons and Dictionaries	1
Prose	2

**Sprache** (left sidebar):

Sprache	Count
English	2
French	1
German	2
Polish	1
Spanish	1

**JATS Samples** (middle section):

Examples using JATS (the Journal Article Tag Suite). Shows an image of a book.

**DOCX Import** (middle section):

Example and documentation for importing DOCX to TEI via ODD. Shows an image of a book.

**header** (bottom left):

Dokumente > Mikołaj Orlik do Mikołaja Serafina, C content-top

The main content area displays a historical letter in Latin:

Magnifico domino Nicolao Seraphin vtriusque salis zuppario Cracouensi et Rusie, domino michi fauoro.  
 Fidelium seruiciorum proritate continua cum obediencia premissa. Magnifice domine. Precepit michi Vestr[us] Gracia scriptotenus, [quod] ducem Kazimirum in trecentis cum quinquaginta marcis deberem expedire. Quod mandatum ducere lib[enter], sed deficit causa nam guerrarum continua propter disturbia<sup>1</sup> pauci mercatores, tam salis, qu[am] [...] videntur pertransire et, per consequens, pauca pecunia datur theoloneorum, ob quem defectum et n[ostros] tu habeo vnde expedire ipsum annuis in salariis. Ve exequens mandata in cras[tino], presentium literarum vestrarum post presentacionem, ducem prefatum ausi sibi sexaginta marcas offerendo pro [...] pecuniis, solucionis terminos petens prorogari, petens dari per Ipsius Claritatem semiambulato[rem] promissum, qui si dabitus, protinus Vestre Gracie destinabo eundem describens, quomodo michi succedit in [...]. Parvum vadit theoloneum, tamen reuerendos dominos archiepiscopum et canonicos Leopolienses necnon episcopum [...] in duplicibus Quatuortemporibus<sup>2</sup> totaliter expeditui, fulgidumque ducem Andruschkonem in quatuor [...]. Et pro nunc me dominus capitaneus ammonet Leopoliensis pro

**content** (bottom right):

Wielmoñemu Panu Mikołajowi Serafinowi żupnikowi oboja salin krakowskim i Rusi, Panu mi przychylnemu. Z niezmiennym posłuszeństwem przesyłam gotowość do wiernej służby. Wielmoñny Panie. Polecił mi na piśmie Wasza Łaskawość, abym wypłacił księciu Kazimierzowi 350 grzywien. Chętnie wypełniłym to polecenie, lecz nie mam jak, albowiem z powodu ciągłego zamieszania wojennego niewielu kupców przyjeżdża, tak po sól, jak [...], a co za tym idzie, mało pieniędzy wpływa z cia i z tego powodu nie mam skąd wziąć na wypłaty dla naszych opiekunów. Pozostawiając na pełnieniu waszych poleceń, po przedstawieniu ostatniego waszego listu zawiadomiłem rzeczonego księcia, dając mu 60 grzywien za [...] pieniądze i prosząc o odroczenie terminu zapłaty i o to, aby Jego Księzcę Wysokość dał przyrzeczonego podjezdku. Jeśli zostanie on dany, od razu wyśle go do Waszej Łaskawości, pisząc, jak mi poszło w [...]. Cia mało schodzi, wypłaciłem jednak wielebnym panom arcybiskupi i kanonikom lwowskim oraz biskupowi [...] podwójne Suche Dni, zaś jaśnie księciu Andruszce cztery [...]. Tymczasem upomina mnie pan starosta lwowski w sprawie 120 grzywien, mówi [...] o cle, gdybym miał mu tych pieniędzy nie zapłacić. Ponadto polecił mi Wasza Łaskawość, abym

**Places** (bottom right):

- after: Gródek, Buda

**Map** (bottom right):

A map showing the location of Gródek and Buda in the context of a larger geographical area.

# Styling

- common styling properties can be changed via configuration (rather than CSS)
- TP 10 drops Google Material Design and uses semantic HTML + pure CSS instead
- minimal use of CSS classes
- core webcomponents changed to use standard HTML, styleable from the application

## Refactored Base ODD

- all ODDs inherit from `teipublisher.odd`
- provides sensible defaults for most common TEI elements
- covers variant use case scenarios
- many documents will render satisfactorily out of the box
- limits the need for custom ODD rules

## More profiles to come ...

- Rather than creating a complete custom application, projects can contribute the missing profiles they need
- Coming soon:
  - EDEp: an editor for epigraphic inscriptions, facilitating data entry and transcription
  - DTS: distributed text services API support
  - DTA (Deutsches Text Archiv): various profiles to display and enhance documents following the DTA guidelines
  - USWDS: a theme implementing the U.S. Web Design System

## e-editiones

- non-profit organization founded in 2020
- limited budget: membership fees only!
- development mainly cross-financed by the edition projects
- TEI Publisher 10 was primarily supported by

