

WWO Exhibits XSLT Transformation Documentation

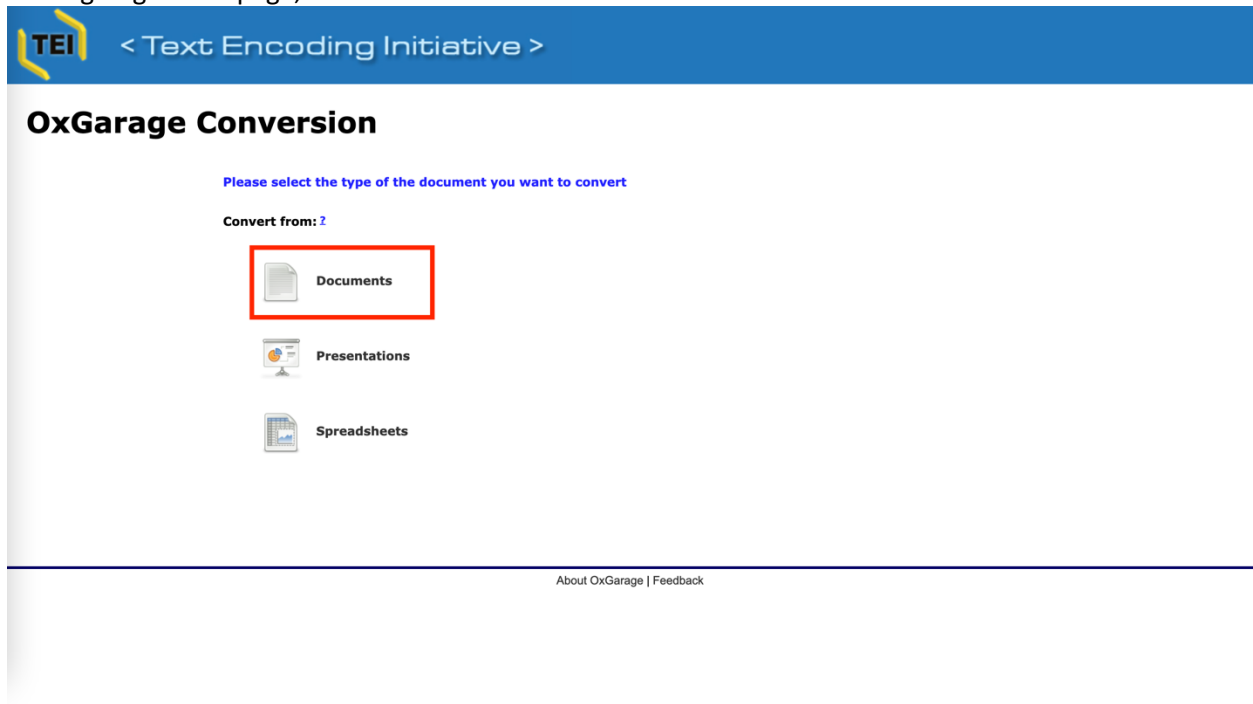
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Women Writers Project
Digital Scholarship Group
Northeastern University Library

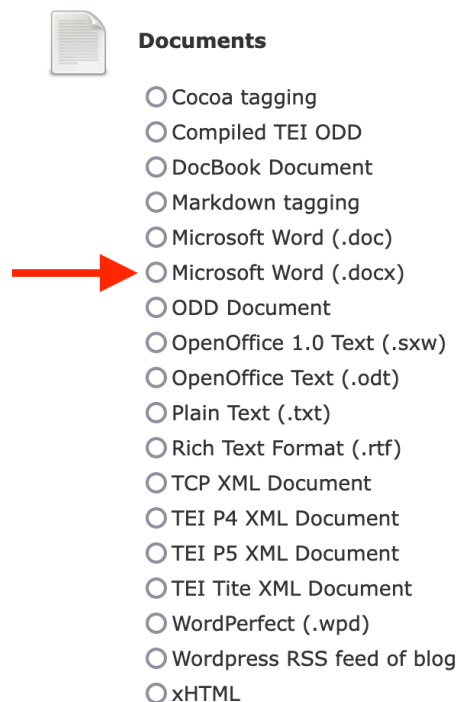
Convert .docx manuscript into .xml

Open [Oxgarage](#) in any browser.

On Oxgarage homepage, select “Documents.”



A dropdown menu will appear. Select the manuscript’s document type under the “Convert from” dropdown menu. Most articles are submitted as .docx files, and so “Microsoft Word (.docx)” will be the input choice for most Exhibits manuscripts.



Once the “Convert from” file type is selected, another dropdown menu titled “Convert to” will appear to the right. For all conversions, select “TEI P5 XML Document.”

Convert from: ?

Convert to: ?



Documents

- ☐ Cocoa tagging
- ☐ Compiled TEI ODD
- ☐ DocBook Document
- ☐ Markdown tagging
- ☐ Microsoft Word (.doc)
- ☒ Microsoft Word (.docx)
- ☐ ODD Document
- ☐ OpenOffice 1.0 Text (.sxw)
- ☐ OpenOffice Text (.odt)
- ☐ Plain Text (.txt)
- ☐ Rich Text Format (.rtf)
- ☐ TCP XML Document
- ☐ TEI P4 XML Document
- ☐ TEI P5 XML Document
- ☐ TEI Tite XML Document
- ☐ WordPerfect (.wpd)
- ☐ Wordpress RSS feed of blog
- ☐ xHTML

- ☐ Comma-Separated Values (.csv)
- ☐ DocBook Document
- ☐ ePub
- ☐ LaTeX
- ☐ Markdown tagging
- ☐ Microsoft Word (.doc)
- ☐ National Library of Medicine (NLM) DTD 3.0
- ☐ OpenOffice 1.0 Text (.sxw)
- ☐ OpenOffice Text (.odt)
- ☐ PDF
- ☐ Plain text
- ☐ RDF XML
- ☐ Rich Text Format (.rtf)
- ☒ TEI P5 XML Document
- ☐ TEI Simple XML Document
- ☐ VerbatimXML tagging
- ☐ xHTML
- ☐ XML Document
- ☐ XSL-FO

After selecting the “Convert to” file type, a new field will appear at the top of the webpage. Click “Browse” and navigate on your computer to the manuscript file that needs to be converted to XML.

< Text Encoding Initiative >

OxGarage Conversion

Choose the file, upload images and press convert

Select file to convert: ?

No file selected.

+ Show advanced options ?

Upload images: ?

You can upload image files and .zip files containing images

You do not need to upload any images, as images are included in the document file.

Convert from: ?

Documents

- ☐ Cocoa tagging
- ☐ Compiled TEI ODD
- ☐ DocBook Document
- ☐ Markdown tagging
- ☐ Microsoft Word (.doc)
- ☒ Microsoft Word (.docx)
- ☐ ODD Document
- ☐ OpenOffice 1.0 Text (.sxw)
- ☐ OpenOffice Text (.odt)

Convert to: ?

- ☐ Comma-Separated Values (.csv)
- ☐ DocBook Document
- ☐ ePub
- ☐ LaTeX
- ☐ Markdown tagging
- ☐ Microsoft Word (.doc)
- ☐ National Library of Medicine (NLM) DTD 3.0
- ☐ OpenOffice 1.0 Text (.sxw)
- ☐ OpenOffice Text (.odt)
- ☐ PDF
- ☐ Plain text

Once the file is selected, click the “Convert” button.



After clicking “Convert,” a message will appear:

“File submitted for conversion. Please wait until the download dialog appears...”

Wait until the file has finished converting and automatically downloads. Depending on the length of the manuscript, conversion can last anywhere from a few seconds to several minutes. If the conversion has been processing for longer than ten minutes, check the internet connection. If there are no issues with your internet connection, check the input word document for any embedded images. WWO provides images for most Exhibits articles, and so manuscript submissions will typically lack accompanying images, although some articles may contain original graphs and charts. Oxgarage typically parses images out of word documents during conversion and downloads these as separate image files alongside the output XML document, and so these should not normally pose an issue. Nevertheless, large enough image files can cause delays and so may need to be removed manually before conversion. If your internet connection is working and there are no remaining images in the input word document and Oxgarage still encounters lengthy delays in conversion, this may be due to a problem with Oxgarage’s server. Such problems are rare, though not unheard of. Oxgarage server problems may take several days to be resolved.

Once conversion and download is complete, you may exit the browser.

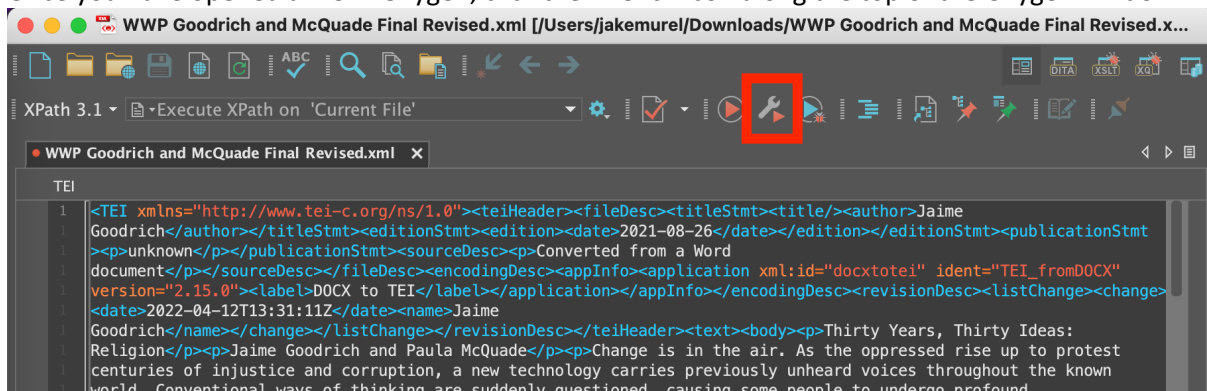
Prepare transformation scenario in Oxygen

Open Oxygen XML Editor.

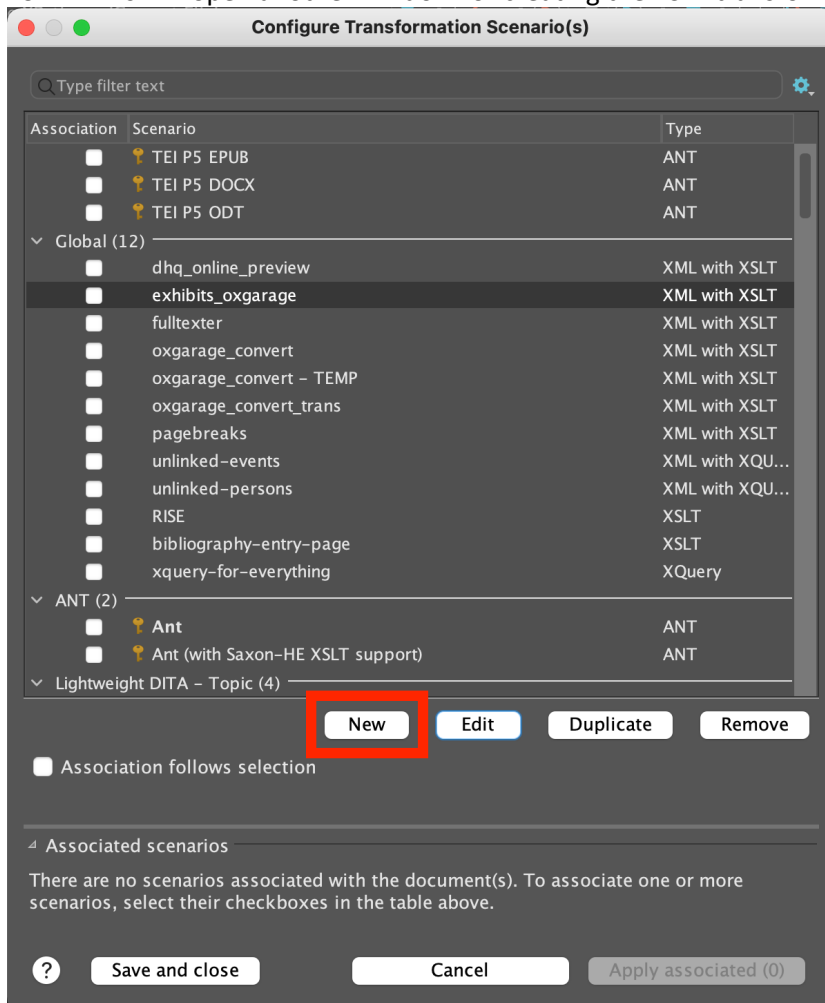


In order to create the XSLT transformation, you will need to have a file open in Oxygen. Open any XML file by navigating to the menu bar at the top of the screen and selecting **File -> Open**. It does not matter which file you have open while preparing the transformation scenario, as the scenario will be saved to the Oxygen program and can be run on any .xml file you open. If you recently converted an Exhibits .docx manuscript into .xml via Oxgarage, you may open that file.

Once you have opened a file in Oxygen, click the wrench icon along the top of the Oxygen window.



A new window titled “Configure Transformation Scenario(s)” will appear. Click the “New” button, which will open a dropdown menu. Select the first item in the dropdown menu, “XML transformation with XSLT.” This will open another window for creating the XSLT transformation scenario.



XML transformation with XSLT
XML transformation with XQUERY
XML to PDF transformation with CSS

DITA-OT transformation
ANT transformation
XSLT transformation
XProc transformation
XQuery transformation
SQL transformation

In the “New scenario” window, you will create the settings for the XSLT transformation. In the top “Name” bar, type a name for the scenario that will help you remember its purpose and function and identify the scenario later when needed. The transformation scenario is stored locally on your computer, so personalize its name to whatever helps you best.

Once you have given the scenario a name, click the folder icon to the left of the XSL URL line.

New scenario

Name: WWO_exhibits

Storage: ☐ Project Options ☒ Global Options

XSLT FO Processor Output

XML URL: \${currentFileURL}

XSL URL:

[More about \\${currentFileURL} ...](#)

☐ Use "xml-stylesheet" declaration

Transformer: Saxon-PE 9.9.1.7

Parameters (0)

Extensions (0)

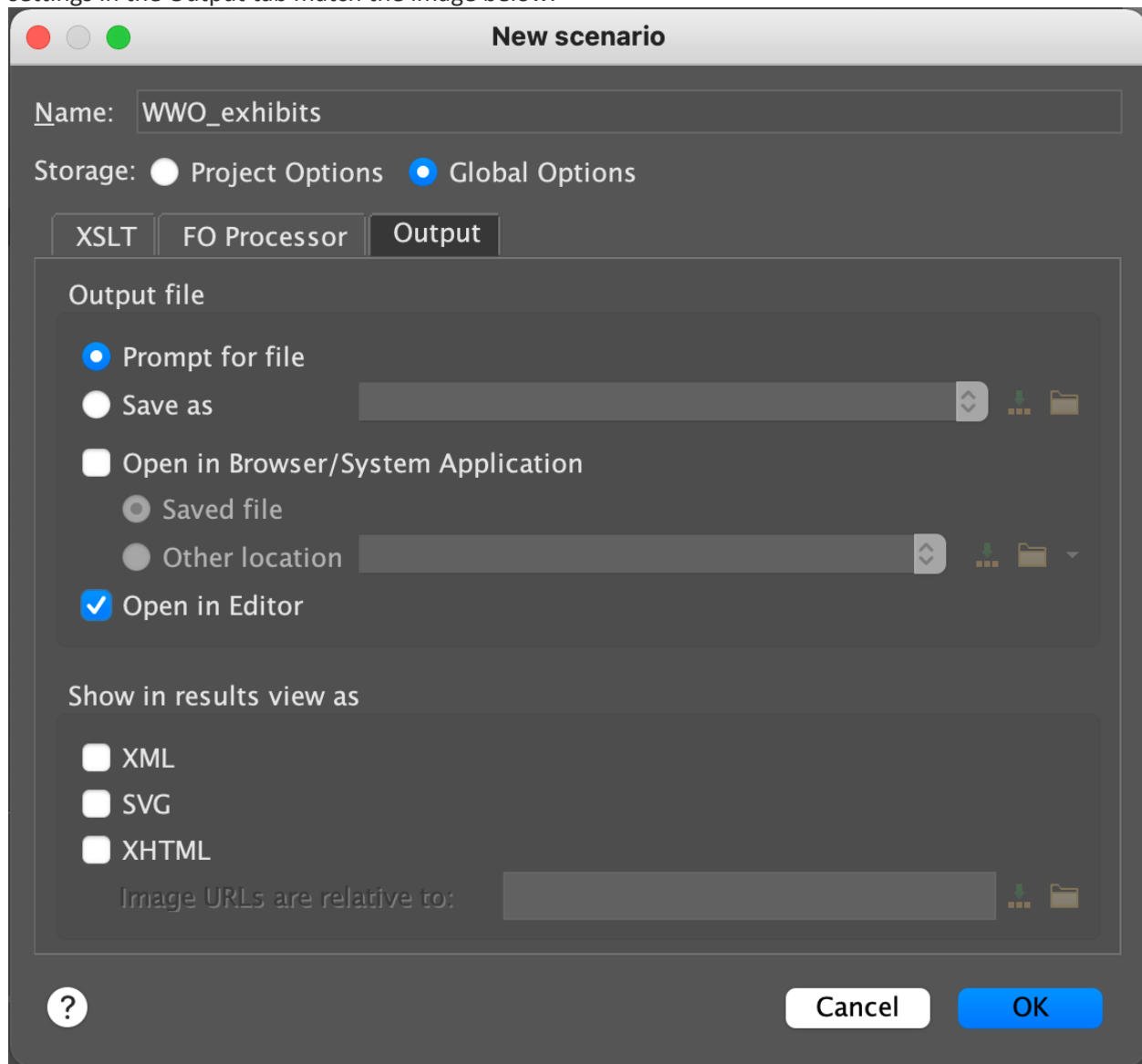
Additional XSLT stylesheets (0)

? Cancel OK

This will open a new directory window. Navigate to wherever you have stored your local copy of the WWO exhibits repository. Under the **exhibits** folder, open the **utils** folder, select the file **oxgarage_conversion_exhibits.xsl**, and then click “Open” at the bottom of the directory window. The directory window will close, returning you to the “New scenario” window.

WWPdev	Mar 15, 2020 at 2:03 PM	--	Folder
exhibits	Aug 21, 2021 at 6:12 PM	--	Folder
all.xml	Oct 25, 2019 at 12:26 PM	6 KB	XML Document
> assets	Feb 28, 2021 at 11:06 AM	--	Folder
build.xml	Oct 25, 2019 at 12:26 PM	1 KB	XML Document
collection.xconf	Oct 25, 2019 at 12:26 PM	1 KB	Document
> distribution	Today at 9:57 AM	--	Folder
> html	Oct 25, 2019 at 12:26 PM	--	Folder
index.html	Aug 21, 2021 at 6:12 PM	4 KB	HTML text
> on_deck	Today at 9:57 AM	--	Folder
README.md	Oct 25, 2019 at 12:26 PM	2 KB	Markdown File
> schema	Oct 25, 2019 at 12:25 PM	--	Folder
> scratch	Oct 25, 2019 at 12:26 PM	--	Folder
> sequester	Oct 25, 2019 at 12:25 PM	--	Folder
> src	Sep 25, 2021 at 4:59 PM	--	Folder
> under_construction	Oct 31, 2021 at 5:51 PM	--	Folder
utils	Today at 9:58 AM	--	Folder
dateExpander.xslt	Oct 25, 2019 at 12:25 PM	3 KB	XSL Sty...cument
events_database2listEvent.xslt	Aug 15, 2020 at 1:55 PM	19 KB	XSL Sty...cument
exhibit2xhtml.xslt	Oct 25, 2019 at 12:25 PM	11 KB	XSL Sty...cument
fixup_exhibit_dates.xslt	Oct 25, 2019 at 12:25 PM	2 KB	XSL Sty...cument
fulltext-for-excerpton.xsl	Oct 25, 2019 at 12:25 PM	3 KB	XSL Sty...cument
fulltext.xsl	Oct 23, 2021 at 10:00 AM	28 KB	XSL Sty...cument
intros_and_essays_2_exhibits.xslt	Oct 25, 2019 at 12:25 PM	5 KB	XSL Sty...cument
> one-offs	Oct 28, 2020 at 1:03 PM	--	Folder
oxgarage_conversion_exhibits.xsl	Nov 6, 2020 at 1:27 PM	6 KB	XSL Sty...cument
oxGaraged_MSWord2exhibit_starter.xslt	Oct 25, 2019 at 12:25 PM	2 KB	XSL Sty...cument
textPrettify.xslt	Oct 25, 2019 at 12:25 PM	3 KB	XSL Sty...cument
> xqueries	Feb 7, 2021 at 1:47 PM	--	Folder

In the “New scenario” window, click the Output tab. De/Select any automated settings so that your settings in the Output tab match the image below.



Once this is done, click “OK.” This will return you to the “Configure Transformation Scenario(s)” window.

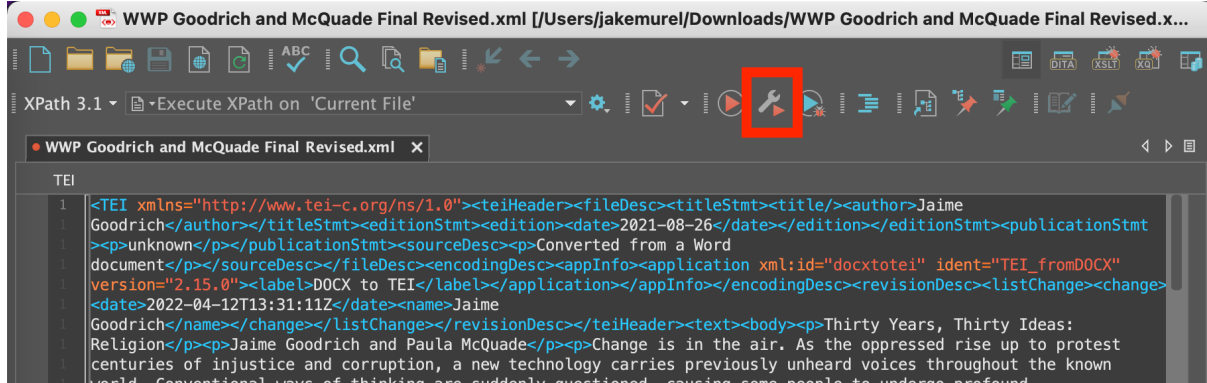
Transform Oxgarage .xml file according to Exhibits style guideline

If you do not already have Oxygen XML Editor open, open it.

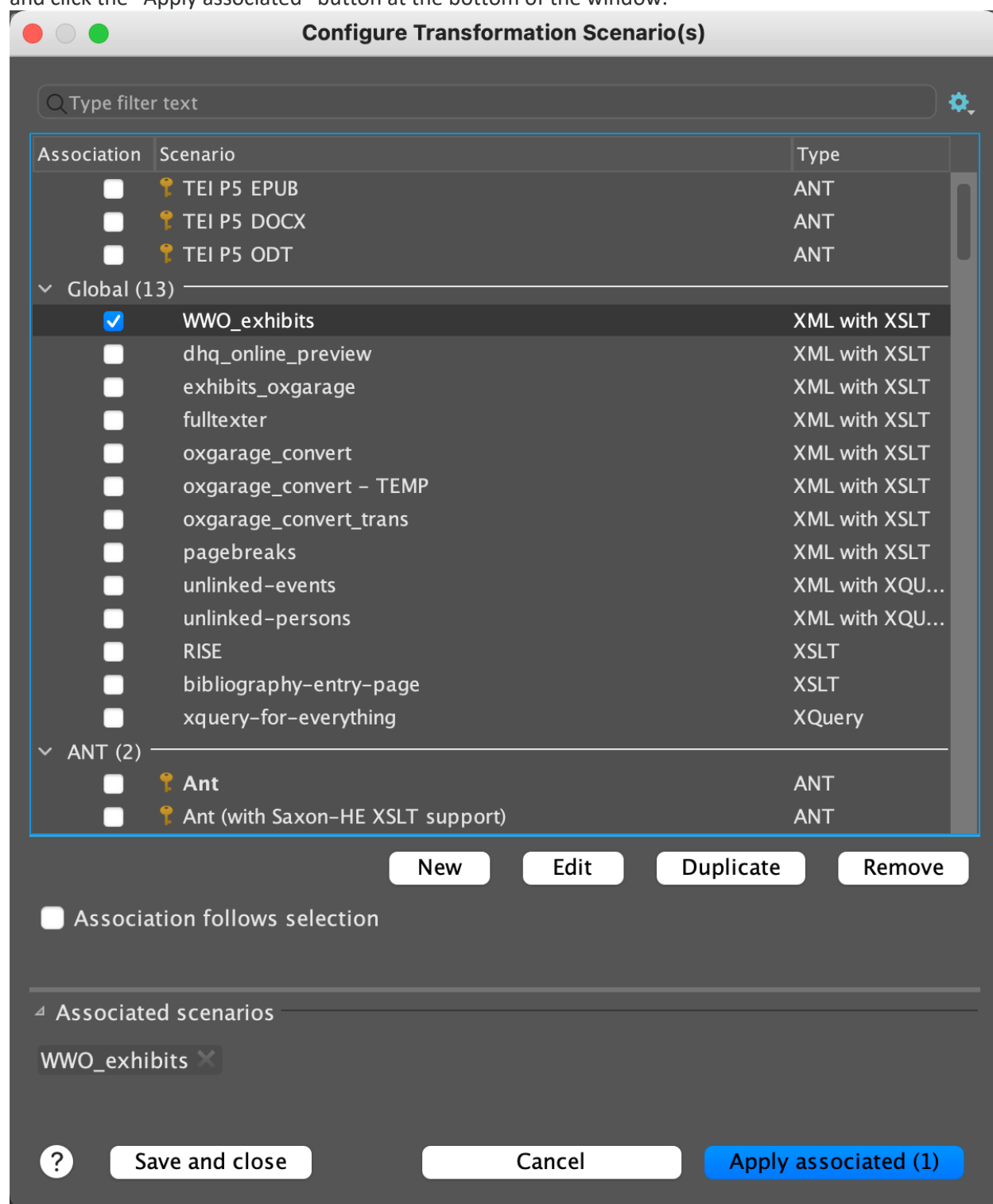


In the menu bar at the top of the screen, select **File -> Open**. Then navigate on your computer to the newly downloaded .xml file. It will have the same name as the original word document but with a .xml extension.

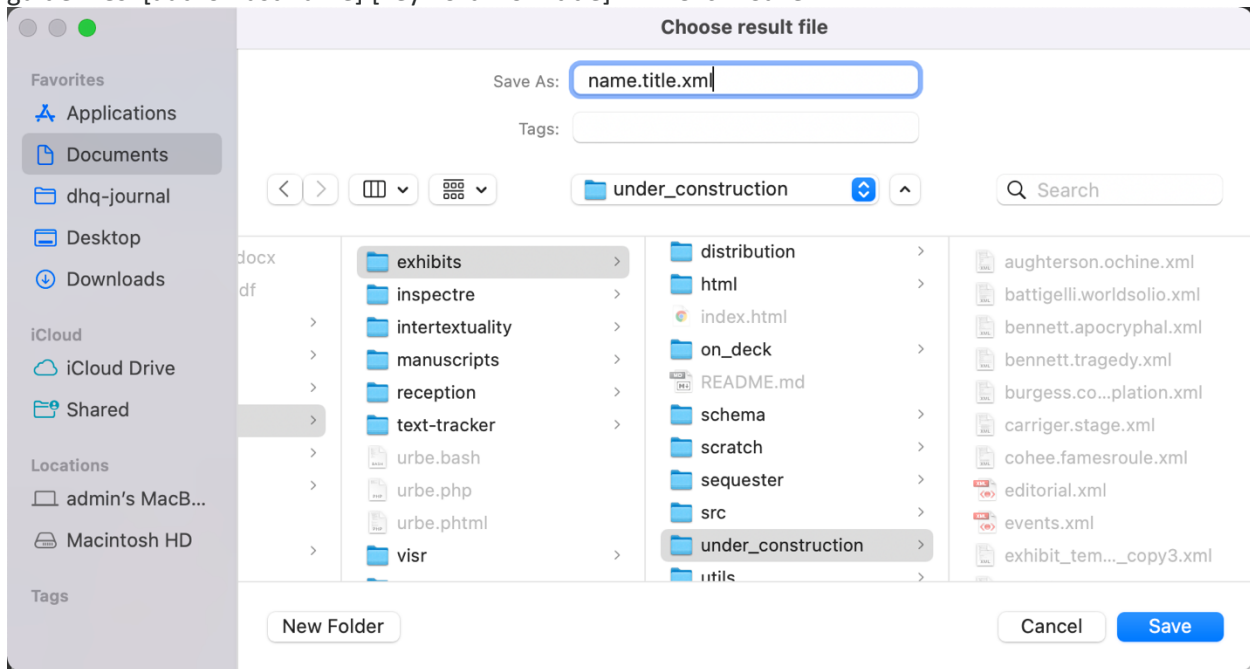
Once the .xml file is open in Oxygen, click the wrench icon along the top of the Oxygen window.



With the downloaded Oxgarage .xml file open in Oxygen, select your exhibits transformation scenario and click the “Apply associated” button at the bottom of the window.



This will open a new directory window in which to select where the output XML file will be stored. Navigate to your local copy of the WWO exhibits repository. Under the **exhibits** folder, select the **under construction** folder. Store the output file in **under construction** according to the WWO file name guidelines: [author last name].[keyword from title].xml. Click “Save.”



Once the transformation scenario has finished running, the newly transformed XML file will open in Oxygen. You may close and delete the old Oxgarage XML file. Begin editing in the new XML file according to the [Exhibits documentation](#). Remember to commit your work via Subversion when done.