

# Xoterm 1.0.8

## A TMX viewer for MacOSX

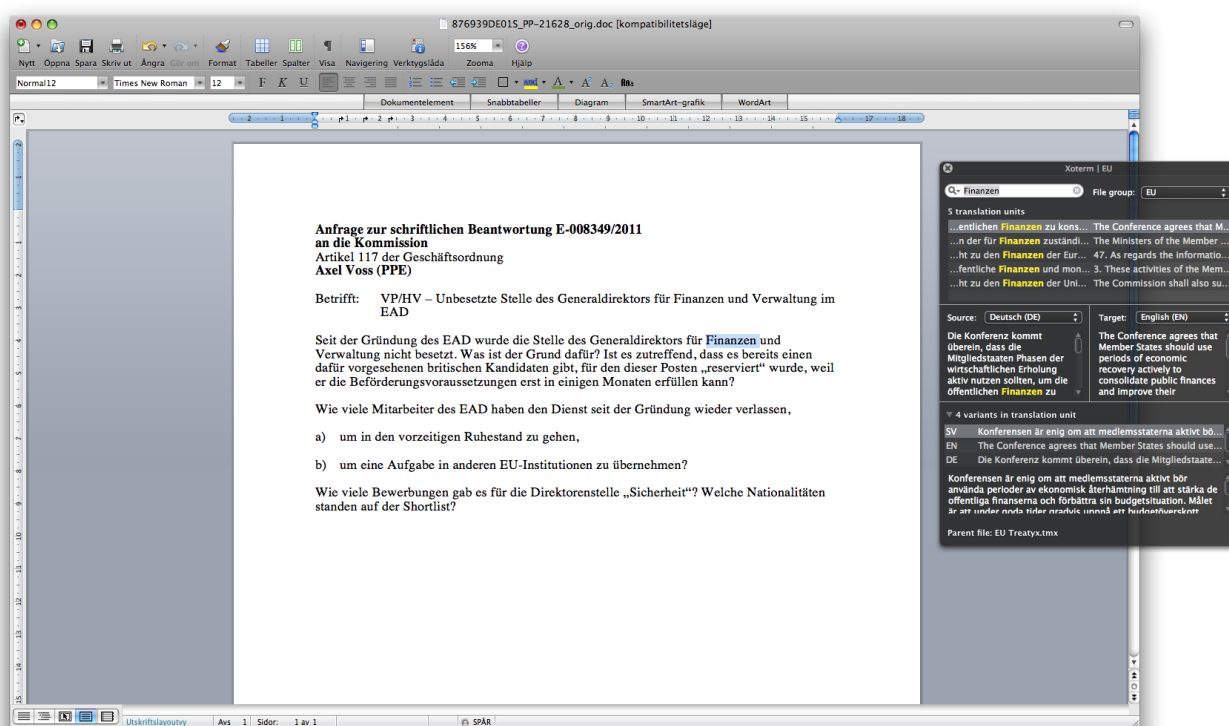
Release: February 24, 2012

Latest version: [jfbraun.com/xoterm](http://jfbraun.com/xoterm)

Author: **Joakim Braun** [joakim.braun@jfbraun.com](mailto:joakim.braun@jfbraun.com)

Pricing: **Shareware, USD 25.00** (PayPal to account [joakim.braun@jfbraun.com](mailto:joakim.braun@jfbraun.com))

*Xoterm's TMX panel floats on top of text editors such as Microsoft Word.*



### 1. What is Xoterm?

Xoterm is a reference tool for translators – a small application for viewing and searching TMX files (translation memories) on MacOSX. Xoterm displays a floating panel on top of other applications and integrates with MS Word and other text editors for seamless terminology support.

If you're a translator who works with technical or other structured documents where terms and phrases reoccur regularly and translation memories are useful, this application may be for you.

### 2. What are TMX files?

TMX (Translation Memory Exchange) is an industry-standard XML format for multilingual translation memories. Typically, such files contain identical text in two or more languages, segmented into "translation units" (short text sections). Most CAT tools will import and export TMX files.

#### Structure of a TMX file:

##### TMX file (an XML file)

One header with various attributes

Multiple translation units

Various attributes...

Multiple variants One version of the same text for each language

For further information about the TMX format, see [www.lisa.org/fileadmin/standards/tmx1.4/tmx.htm](http://www.lisa.org/fileadmin/standards/tmx1.4/tmx.htm).

### 3. Can I use translation memories from my favorite CAT tool?

Yes – if your CAT tool provides TMX export capabilities. Most do.

### 4. Can I edit or export TMX files with Xoterm?

No, Xoterm is intended as a simple, easy-to-use reference tool. Adding editing capabilities would require a much more complex user interface, and a much steeper learning curve.

However, watch for **TMXX**, a full-featured TMX editor for MacOSX, in the fall of 2011.

Translation units and their variants can, however, be copied in a spreadsheet-friendly tabbed text format.

### 5. Does Xoterm read XLIFF files?

No. Currently, Xoterm reads TMX files only. The ability to read XLIFF tops the "to do" list.

### 6. Which text editors are supported?

Xoterm is a standalone TMX viewer, quite functional on its own. However, when triggered by a user-defined shortcut, Xoterm can access selected text from other applications, and use it as a search term.

Xoterm can access selected text in any application with the following methods:

- If the text editor supports MacOSX's **Accessibility** technology, and if Accessibility is enabled in the System preferences, Xoterm can access selected text seamlessly.
- If the text editor is **Microsoft Word**, Xoterm accesses selected text through a built-in AppleScript. (*Tested on Microsoft Office Mac 2008.*)
- For other applications, a "service menu item" is provided. For technical reasons this service cannot be triggered by a keyboard shortcut – you'll have to select it manually.
- If you're interested in making Xoterm work with a particular application, please contact me and perhaps it will be supported in an upcoming version.

For more information about Accessibility, see [www.apple.com/accessibility/macosex/vision.html](http://www.apple.com/accessibility/macosex/vision.html).

### 7. Can I open multiple TMX windows?

No. Xoterm would then become similar to a document-based application, with the added complexity this entails. (I may reconsider this depending on user feedback.)

### 8. Can I filter or search for all TMX metadata?

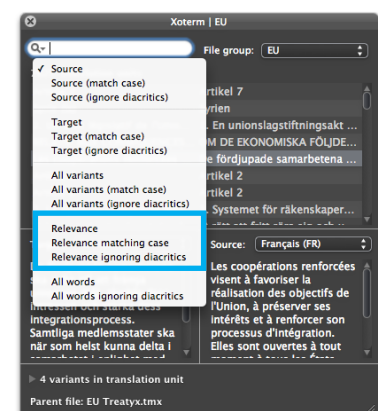
No, this typically wouldn't be very useful for everyday translation work. Again, the goal is to keep the user interface as simple as possible. The complete TMX specification is a quite complex format.

### 9. How about ranked relevance search?

This is available by selecting one of the three **relevance search modes** in the lower section of the search mode menu of the search field (*right*). Words shorter than a certain limit are ignored (this limit is set in the preferences dialog, see page 5). Variants that match the search term exactly as a phrase are at the top of the search results. **This type of search can be quite slow.**

Relevance search comes in these flavors:

- **Relevance:** Case-insensitive, word-based search of source language variants, ranked by the number of unique words matched.
- **Relevance matching case:** As above, but case sensitive.
- **Relevance ignoring diacritics:** Case-insensitive word search as above, but hits must contain *all the words* of the search term.



Relevance search modes.

### 10. How about fuzzy matches, concordance, spell checking, etc, etc...?

No.

## 11. Why doesn't Xoterm show up in the dock/the Application switcher?

Because it's a "status menu item" (LSUIElement) application and doesn't have a main menu bar. Apple doesn't want such applications to show up in the dock or the Application switcher.

## 12. Is Xoterm free?

Xoterm is a tool for professionals. You won't use it unless it saves you time and money. Please encourage further development by making a contribution of **USD 25.00** to PayPal account [joakim.braun@jfbraun.com](mailto:joakim.braun@jfbraun.com).

## 13. Where do I report bugs and make suggestions?

E-mail me at [joakim.braun@jfbraun.com](mailto:joakim.braun@jfbraun.com).

## 14. Acknowledgements

Transparent controls from Tim Davis' **BGHUDDAppKit** library (<https://github.com/binarygod/BGHUDDAppKit>).

## 15. Version history

1.0.8	February 24, 2012	Fixed display of search term in text boxes.
1.0.7	January 18, 2012	Greatly speeded up TMX file parsing.
1.0.6	October 20, 2011	Added user-customizable search term coloring. Added optional bolding of search terms. Added diacritic-insensitive search modes. Added tolerant language code matching. Added "Hide target column". Simplified TMX panel look. Made variant section collapsible. Fixed a few focusing bugs. Changed to BGHUUAppKit controls library.
1.0.5	September 3, 2011	Fixed some word relevance search bugs. Removed ability to collapse bottom pane of panel (it might get "stuck"). Fixed bug and improved visual feedback when dragging files on TMX panel.
1.0.4	September 2, 2011	Added ranked word relevance search options. Added default source and target languages. Improved search term highlighting. Added duplication command for TMX file groups. Clears search field when opening new file groups. Files open a bit faster.
1.0.3	August 16, 2011	Fixed crasher in Lion. Fixed malfunctions if TMX file lacked a header element. Improved error messages.
1.0.2	August 12, 2011	Fixed hang when "search while typing" was on. Collapsed TMX panel uncollapses when hotkey is triggered. Added target variant search in search field options. More copy options in translation unit table context menu.
1.0.1	August 12, 2011	Added TMX panel collapsibility. Xoterm now activates before showing alerts. Added "Open file in Finder" command. TMX panel handles "first mouse-down" (don't ask!).
1.0a	July 18, 2011	First release.

## 16. Known issues

TMX panel position remembered wrongly if quitting Xoterm when panel is collapsed.  
Highlighted search terms in table do not quite reflect scope of search.

## TMX Panel

**Note:** Every TMX file consists of multiple *translation units* (text segments).  
Every translation unit contains multiple *variants* (versions of the segment text in different languages).

### Search mode menu

To select a search mode, use the black triangle here to display a menu.

### Search field

Enter search term here.

### Translation units

Containing the search term.  
Source text on the left side,  
target text on the right side.

### Source language button

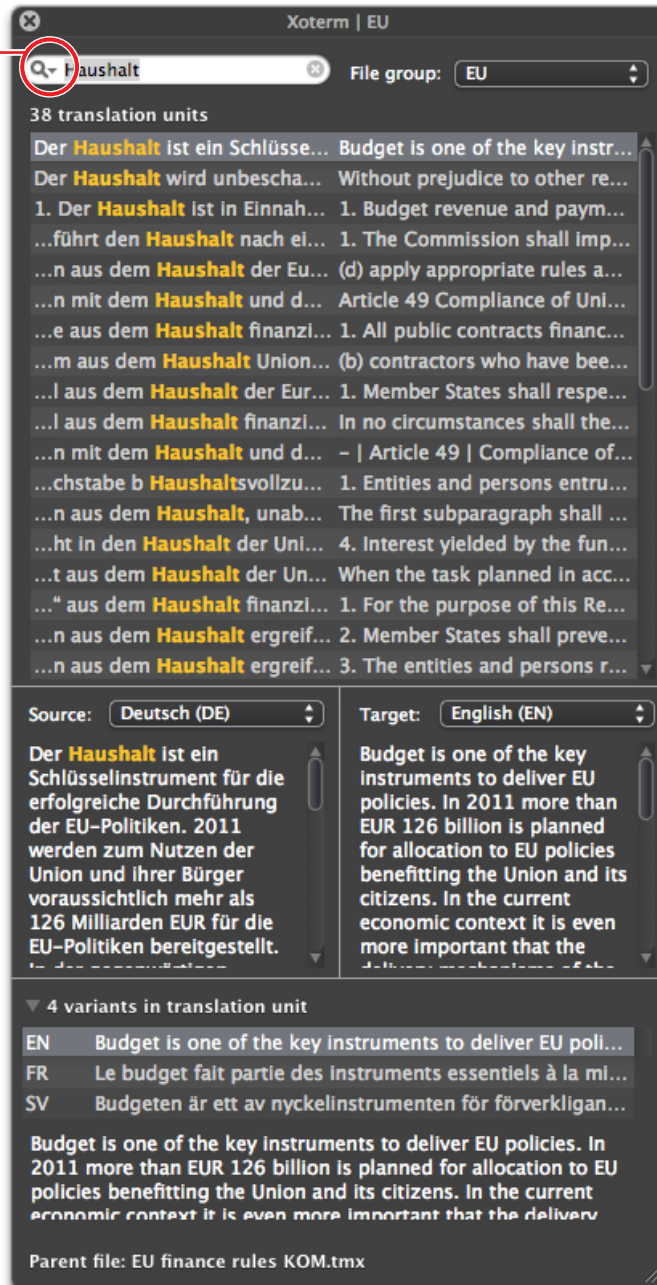
Variants to display in the left section of the panel.

### All variants

All available language versions of the text of the selected translation unit.

### Miniaturize button

By default this miniaturizes the panel (*in this case, option-click to collapse it to the title bar!*).  
It can also be configured to collapse the panel to the title bar (*if so, option-click to miniaturize it!*).



### TMX file group

User-configurable list of TMX files to load and search. See page 7.

### Target language button

Variants to display in the right section of the panel.

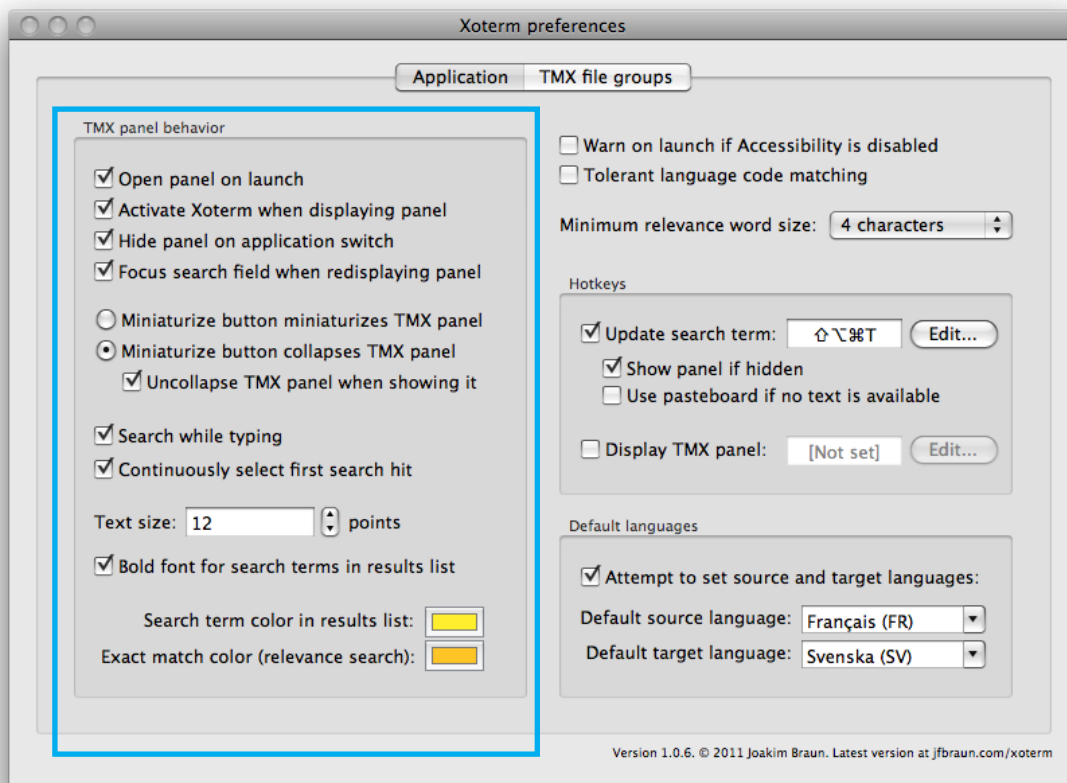
### Drag-and-drop to add TMX files to the panel!

The panel loads the TMX files defined for each file group in the Preferences. To use TMX files that are not in the TMX file group, simply **drop them on the panel from Finder**. Their TMX content will be added to existing content. (*Press **Shift** while dragging to clear existing TMX content before loading the dropped file*).

### Parent file

A TMX file group consists of multiple files, so the displayed translation units may originate from different parent files. This label indicates the selected translation unit's parent file. (***Right-click** to show a context menu for revealing and opening that file in Finder!*).

## Preferences dialog: Application: Left pane



### Open panel on launch

Whether the TMX panel should be displayed once Xoterm has started.

### Activate Xoterm when displaying panel

Whether Xoterm should activate when the TMX panel is displayed. In this case, keyboard focus shifts from the active application (your text editor) to the search field of the TMX panel. If this box is unchecked, you'll need to click on the TMX panel to type in the search field.

### Hide panel on application switch

Typically, a translator works in a single word processor and the TMX panel is useless in other applications. If this box is checked, the panel is automatically hidden when other applications become active.

Whenever the TMX panel is displayed (triggered by a hotkey), Xoterm remembers the active application at that point and hides the TMX panel when other applications become active (frontmost).

### Focus search field when displaying panel

Whether Xoterm should move latent keyboard focus to the search field when the TMX panel is shown. Focus doesn't actually shift until Xoterm is activated (by clicking on the TMX panel).

### Miniaturize button behavior

This button, at top left of the TMX panel, can either miniaturize it (default) or collapse it to the title bar.

### Uncollapse TMX panel when showing it

If the TMX panel is collapsed to the title bar, uncollapse it when redisplaying the panel (for example, when keyboard shortcuts are triggered).

### Search while typing

Whether the TMX panel should filter the translation memories as you type, or when return key is pressed.

### Continuously select first search hit

Whether the TMX panel should select the first search hit as you type. This is useful in relevance search situations.

### Text size

The size, in points, of text in the TMX panel.

### Bold font for search terms in results list

Whether to emphasize search terms found in the table and text fields using a bold font.

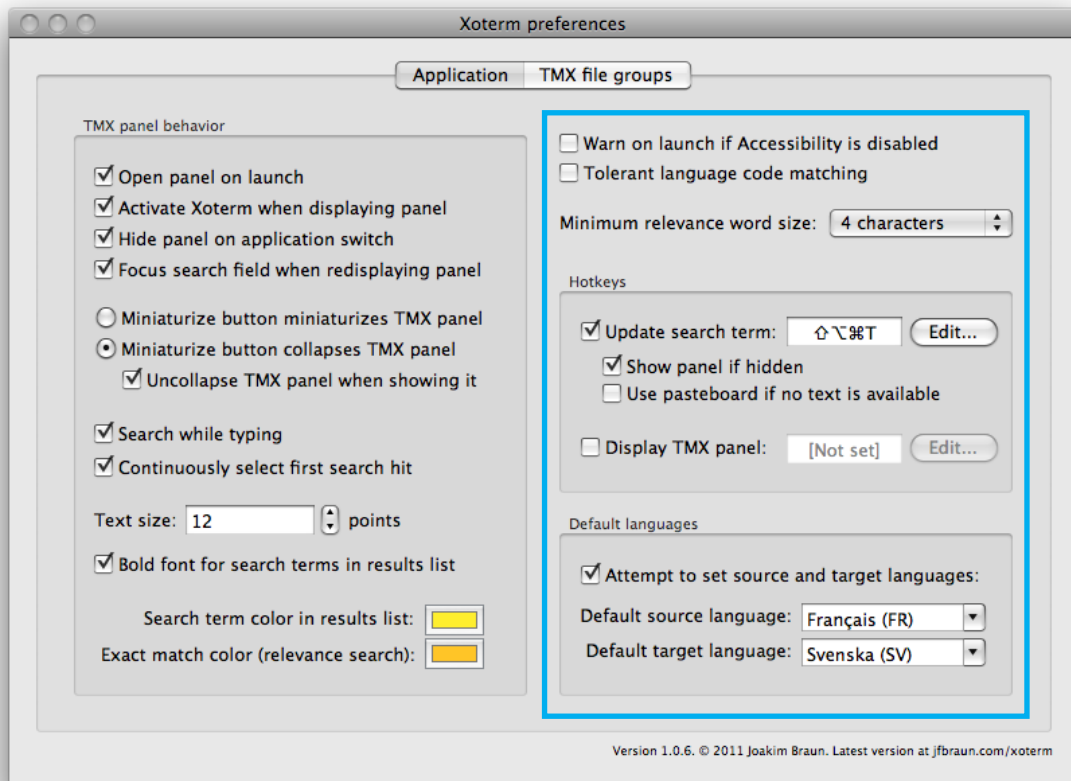
### Search term color in results list

The color used to emphasize search terms in the search results table and text fields.

### Exact match color

When using relevance search (where each word of the search term is matched separately), exact matches of the entire search term are emphasized using this color.

## Preferences dialog: Application: Right pane



### Warn on launch if Accessibility is disabled

“Accessibility” is the built-in MacOS technology for assistive technologies. Xoterm uses Accessibility to access selected text in other applications as search terms. If Accessibility is disabled, a warning will be shown when Xoterm launches, if this box is checked.

### Tolerant language code matching

Languages in TMX files are designated using two- or five-character codes. French is “FR”, while Canadian French is “FR-CA” and French French is “FR-FR”. If this box is checked, languages are matched using the first two letters only, so you’ll find FR-FR matches along with FR-CA and plain FR.

### Minimum relevance word size

Relevance matching involves matching every word in the search term with every word in the entire TMX file group. This is much more processor intensive than “straight” string matching. This setting enables the user to decide the speed/precision trade-off for themselves. Terms (words) shorter than the minimum word size will be ignored.

### Hotkey for “Update search term”

The global keyboard shortcut to press to update the search term to the selected text of the active application.

### Show panel if hidden

Whether to automatically display the TMX panel when updating the search term.

### Use pasteboard if selected text is inaccessible

Xoterm attempts to access selected text in other applications using several methods. If they fail, this setting enables Xoterm to use the pasteboard (clipboard) contents instead. This can be useful if you are using a text editor that doesn’t support Accessibility.

### Hotkey for “Display TMX panel”

Toggles TMX panel visibility, without updating the search term.

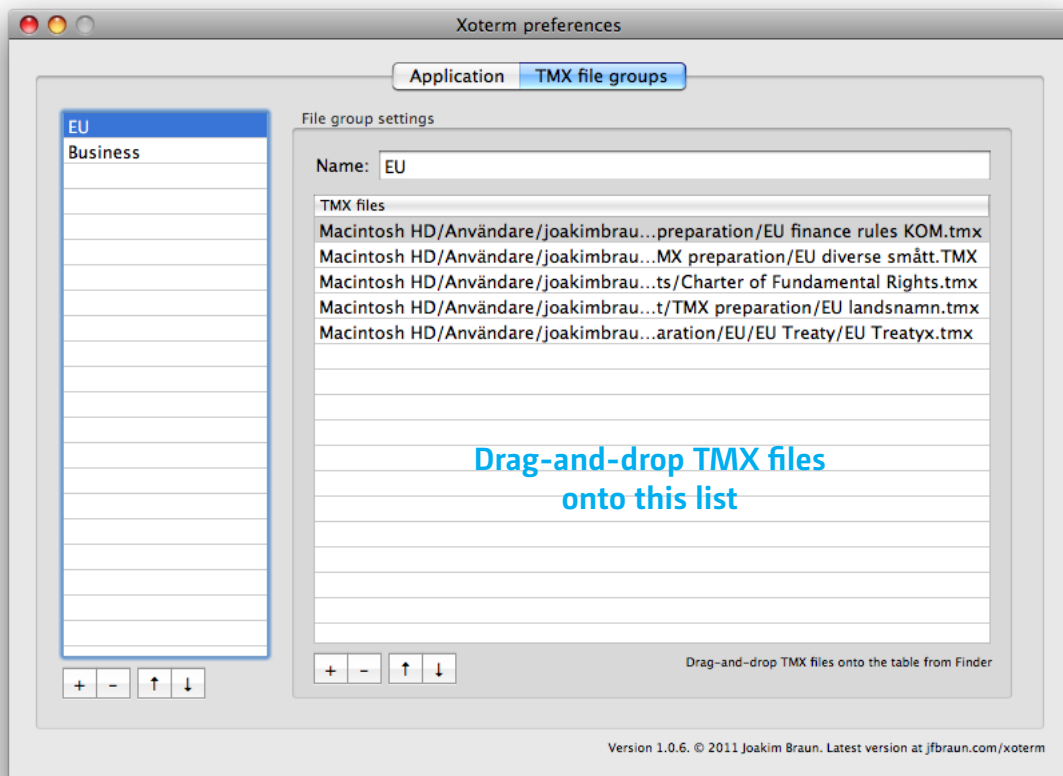
### Attempt to set source and target languages

When a file group has finished loading, attempt to set favorite source and target languages in the TMX panel. This saves a few annoying clicks.

### Default source language/target language

The source/target languages to attempt to set when a file group has finished loading. If the file group does not contain any variants with this language, this setting has no effect.

## Preferences dialog: TMX file groups



This section of the Preferences is where you define groups of TMX files to load for various translation contexts, purposes or customers. These files groups show up in the “File group” button in the TMX panel.

### Adding files to the file groups

Use the ‘+’ button to run a file dialog, or simply drag-and-drop TMX files from Finder onto the list at right.