How to update map text

How it works

Map text is controlled by the content of several excel tables (".csv" files). We then convert the information in these tables to a format that can be used by the website (".json" format / the file `map_text.json`) and upload it to GitHub. The process is as below:

1. Edit text tables
2. Convert to .json
3. Upload to GitHub

Currently please just do (1) and send the edited csv files to Maija. She will convert and upload them.

1. Editing text tables

Download the whole contents of our GitHub repository so you have up to date versions of all files. Tables (.csv files) are located in `waterfrontmap/Processing/Text`. To update them, open them in Microsoft Excel and edit them according to the instructions below. Text must use HTML formatting, if you don't know how to do HTML formatting avoid any formatting or special characters.

- `story_text.csv`: specifies content of story tab of the map
  This table specifies the content of the story presentation. Each row contains the information to display a "page" of the story (total pages is the number of rows minus one). Story pages have 6 properties:
  - `pageIdx`: an number which controls advanced formatting of page (`0`, `1`, or `2`).
    - `0` show SMIA information on mouse hover + fly to SMIA on click.
    - `1` show SMIA information on mouse hover.
    - `2` do nothing on hover.
  - `pageSMIA`: an number which controls what SMIA the map zooms in on. SMIAs go from the number 1-7. Enter `0` to leave the map zoomed out.
  - `pageLayer`: text which controls what data layer is shown on the map. Enter layer name **exactly** as it is specified in `layer_text.csv`.
  - `BulkLayers`: text controls what bulk storage sites are shown in addition to the map data. Enter each name exactly as specified below, separated by commas and no spaces between names. (i.e. `TRI,MOSF,CBS,SUPERFUND2`).
    - `TRI` (Toxic release inventory sites)
    - `MOSF` (Major oil storage facility)
    - `CBS` (Chemical bulk storage)
    - `SUPERFUND2` (Superfund class 2 sites)
  - `pageTitle`: text string which specifies the page title text.
  - `PageText`: text string which specifies the page description text.

- `layer_text.csv`: specifies the names and descriptions for map data
  Each row contains the information for a single map layer. **Only edit the "text" column.** This controls the Description text of that data on the map.

- `smia_text.csv`: specifies SMIA names, numbers, descriptions, and map info
  Each row contains the information for a single SMIA. **Only edit the "description" column.** This controls SMIA description displayed after hovering over a SMIA.

- `legend_text.csv`: specifies legend entries and colors. **Do not modify this file.**

** after editing send the edited files (`story_text`, `layer_text.csv`, `smia_text.csv`) to Maija. She will update the website. **

2. Converting to .json

To convert the .csv tables to a .json file, you'll need to use `python 3`. You can either use an online python interpreter or install `python 3` and `pandas` on your machine.

METHOD A - use online python interpreter (recommended)

1. Find an online python interpreter (google "online python interpreter"). I recommend repl.it if available (https://repl.it/repls/TangibleUntriedGnudebugger).
2. Upload all csv files and the file `text_conversion_online.py`.
3. Install the package named `pandas` (see below images)
4. Run `text_conversion.py` (see below images)
5. The file `Processing/Text/map_text.json` should now created! Download it (see below images).
6. Check output file (`Processing/Text/text_conversion_oe.txt`) for any information on errors. See below for details on how to correct them.

METHOD B - install python on your computer

1. Install `python 3` on your computer (https://realpython.com/installing-python/)
2. Make sure you are connected to the internet, and double click the file `Processing/text_conversion.py`. The python package `pandas` will be installed.
3. The file `Processing/Text/map_text.json` should now be updated!
4. Check output file (`Processing/Text/wfm_text_conversion_oe.txt`) for any information on errors. See below for details on how to correct them.

3. Uploading to GitHub

If you know how to use GitHub just push or submit a push request. Otherwise, go to our GitHub and upload the whole `Processing` folder using the upload button (see images below).

Troubleshooting

Things might not work when you first try to update. Before contacting us, check if you made any of these common mistakes.

1. Using special characters- this may not be obvious, especially if text was copied and pasted from a pdf or word document. Try copying and pasting from notepad or similar program. Also remember that m-dash is a special character. If you absolutely must use a special character, use HTML.
2. Incorrect layer names- this can cause all sorts of errors or bugs in the map display. Make sure that layer names are always spelled the exact same way.
3. Not waiting long enough- GitHub takes time to update it's raw files (5-20 min usually) and GitHub pages also takes time to update. Don't expect changes to be reflected on the website instantaneously after an upload or push.