

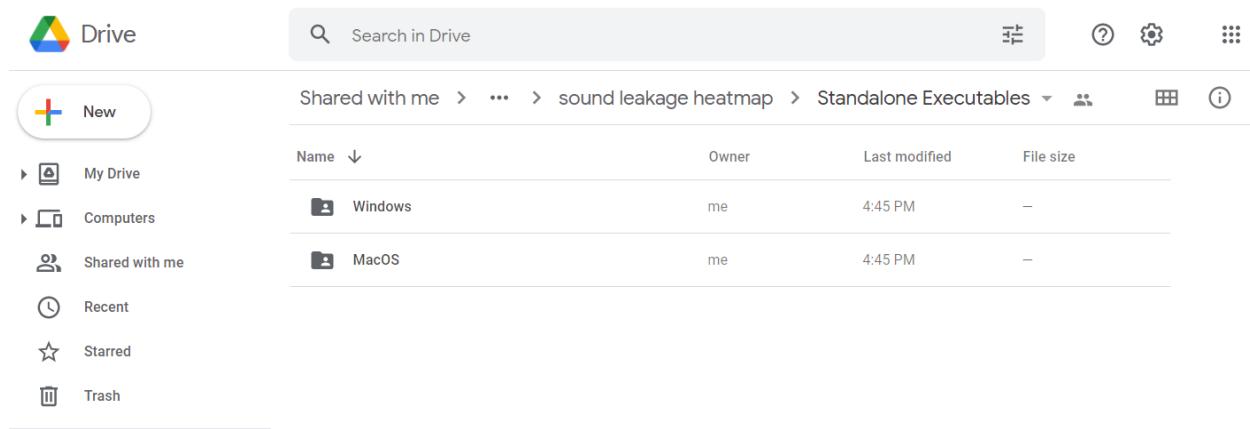
User Manual for Standalone of Sound Leakage Visualization

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I. Installation for Windows User

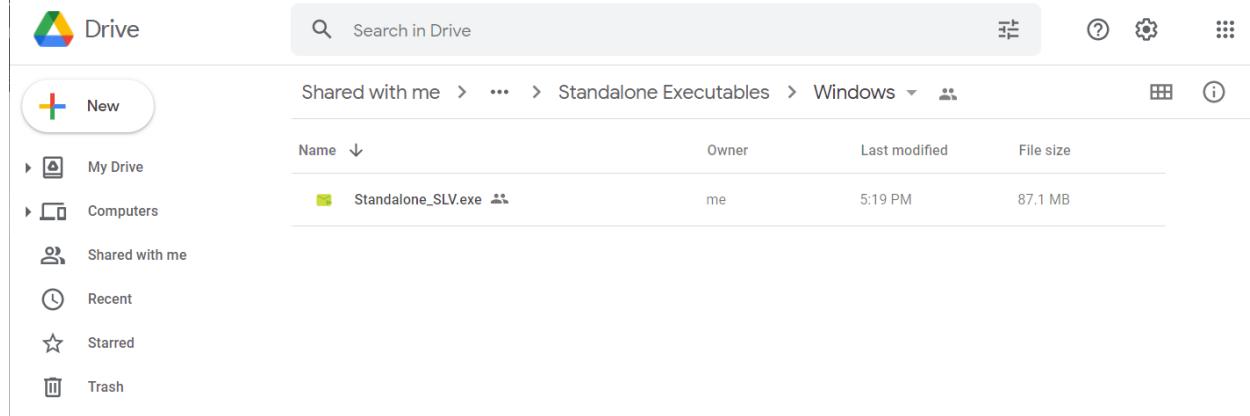
1.1. Click "Standalone Executables" for Sound Leakage Visualization



The screenshot shows a Google Drive interface. On the left, there's a sidebar with icons for New, My Drive, Computers, Shared with me, Recent, Starred, and Trash. The main area shows a folder structure: Shared with me > ... > sound leakage heatmap > Standalone Executables. Inside 'Standalone Executables', there are two files: 'Windows' and 'MacOS'. The 'Windows' file is selected. At the top right, there are filter, help, settings, and more options buttons.

Name	Owner	Last modified	File size
Windows	me	4:45 PM	—
MacOS	me	4:45 PM	—

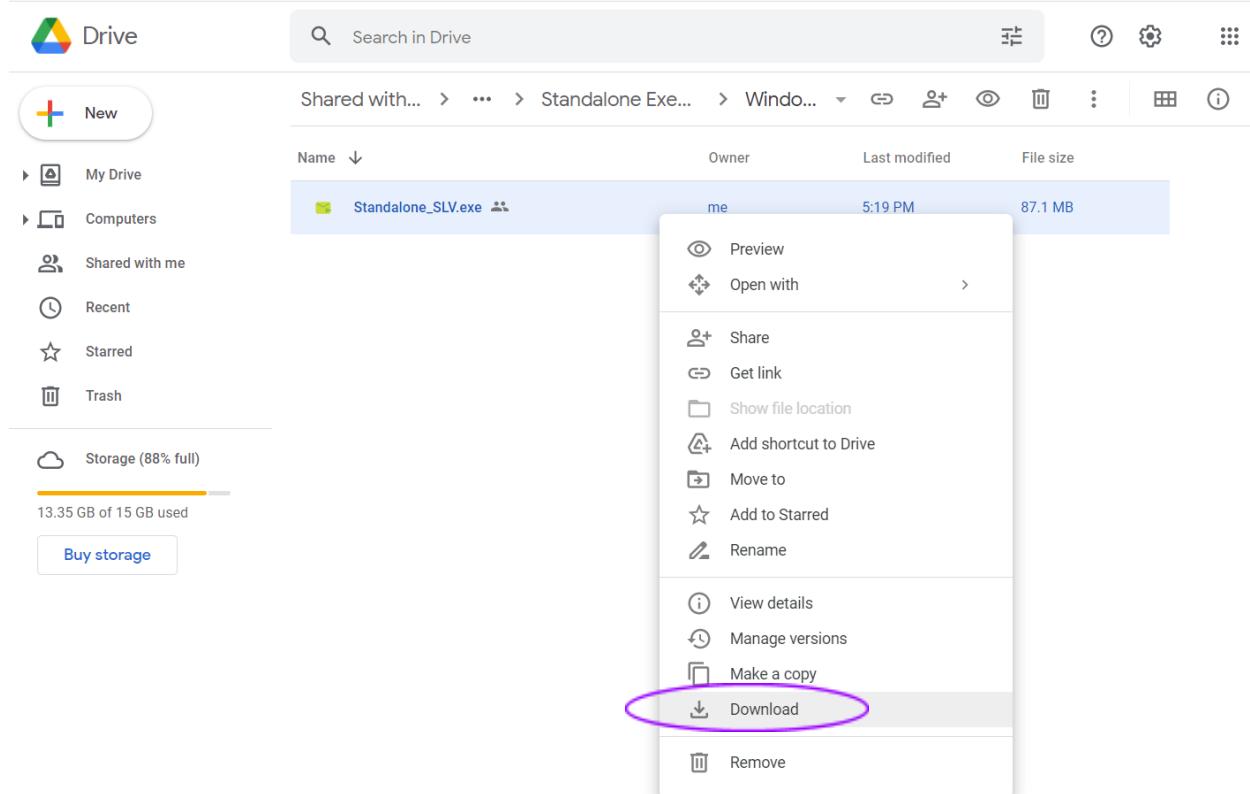
1.2. Click "Windows", you will see an executable file named "Standalone_SLV.exe".



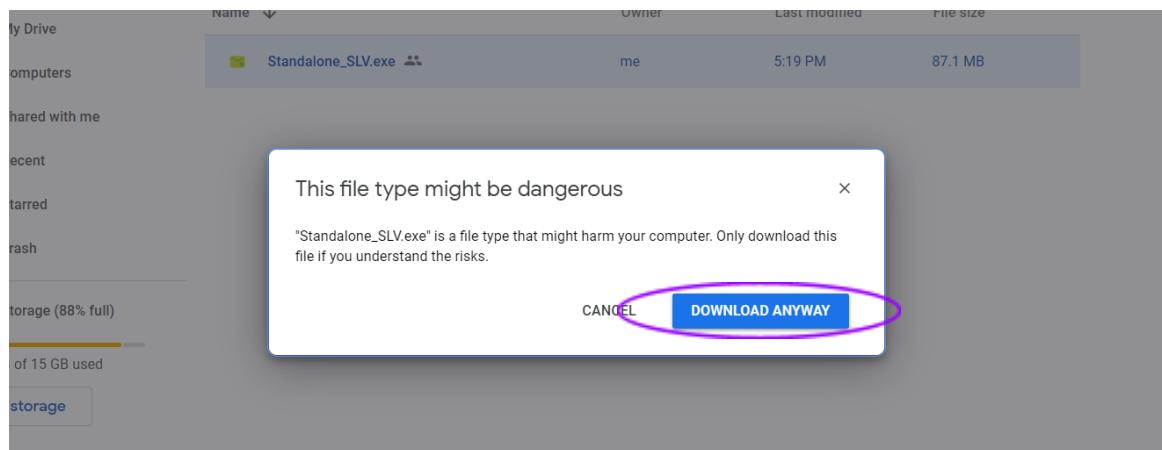
This screenshot shows the contents of the 'Windows' folder. It has the same sidebar as the previous screenshot. The main area shows one file: 'Standalone_SLV.exe'. This file is highlighted. The file details are shown at the bottom: Name: 'Standalone_SLV.exe', Owner: 'me', Last modified: '5:19 PM', and File size: '87.1 MB'. The top right corner of the main area has a small info icon.

Name	Owner	Last modified	File size
Standalone_SLV.exe	me	5:19 PM	87.1 MB

1.3. Right click and select "Download" from the list.



1.4. Click "Download Anyway".



1.5. The file will appear at the bottom of your browser.

The screenshot shows the Google Drive interface. On the left, there's a sidebar with options like 'My Drive', 'Computers', 'Shared with me', 'Recent', 'Starred', and 'Trash'. Below that is a storage status bar indicating 'Storage (88% full)' and '13.35 GB of 15 GB used'. A 'Buy storage' button is also present. The main area displays a file list with one item: 'Standalone_SLV.exe' by 'me' last modified at '5:19 PM' with a size of '87.1 MB'. The file is highlighted with a blue border. At the bottom, there's a preview window showing the file icon and a '全部顯示' (Show All) button.

1.6. Open "Downloads" from your folders, then click the executable file.

The screenshot shows a Windows File Explorer window. The left sidebar has categories like '快速存取' (Quick Access), '桌面' (Desktop), '文件' (Files), '圖片' (Pictures), 'etc', 'standalone', '音樂' (Music), and '影片' (Videos). Under '本機' (This PC), there are '下載' (Downloads), '文件', '音樂', '桌面', '圖片', and '影片'. The '下載' folder is expanded, showing a single item: 'Standalone_SLV.exe'. This file is circled in red. The main pane lists files and folders in the 'Downloads' folder, including 'Standalone_SLV.exe', 'bio', 'phy', 'maths', and 'chem'. The status bar at the bottom indicates '19 個項目 已選取 14 個項目' (19 items, 14 selected).

1.7. Potential Warnings

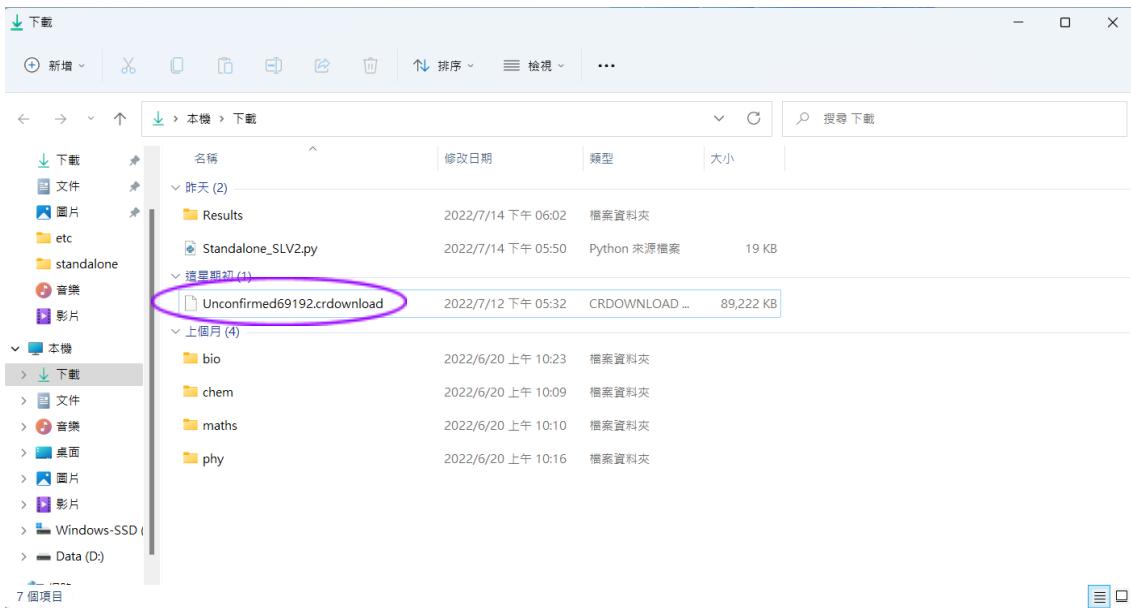
- 1.7.1. If Windows prompts a Microsoft Defender warning, click "other information".



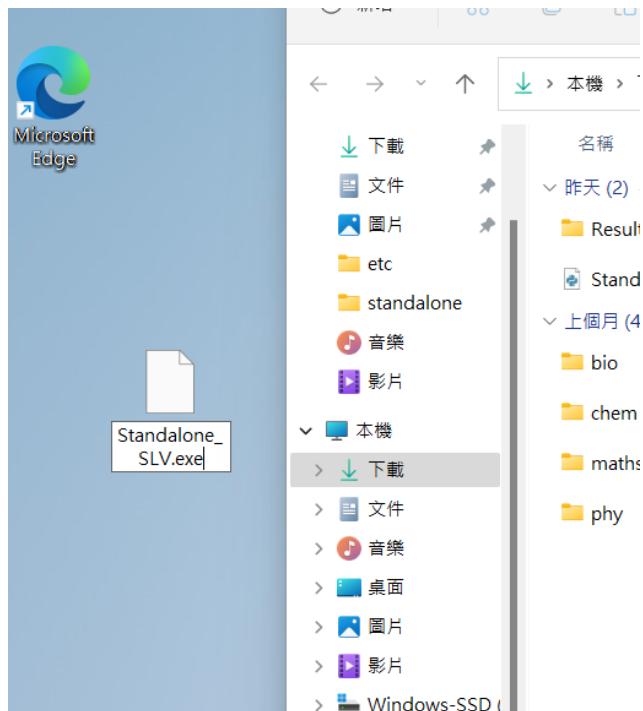
- 1.7.2. Then click "Continue Execution".



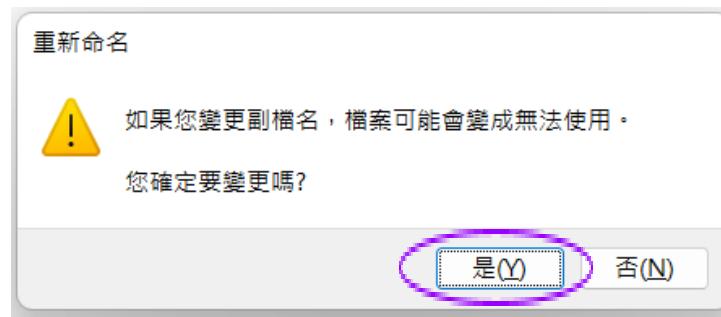
1.7.3. If the downloaded executable file appears as an Unconfirmed Chromium Download.



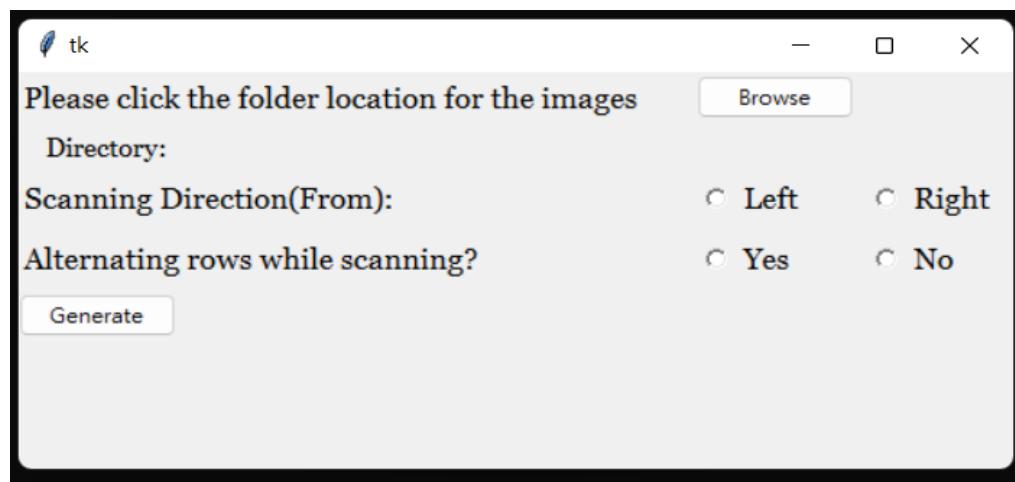
1.7.4. Drag the file to your Desktop and rename it "Standalone_SLV.exe".



1.7.5. Click "Yes" to confirm file name changing.

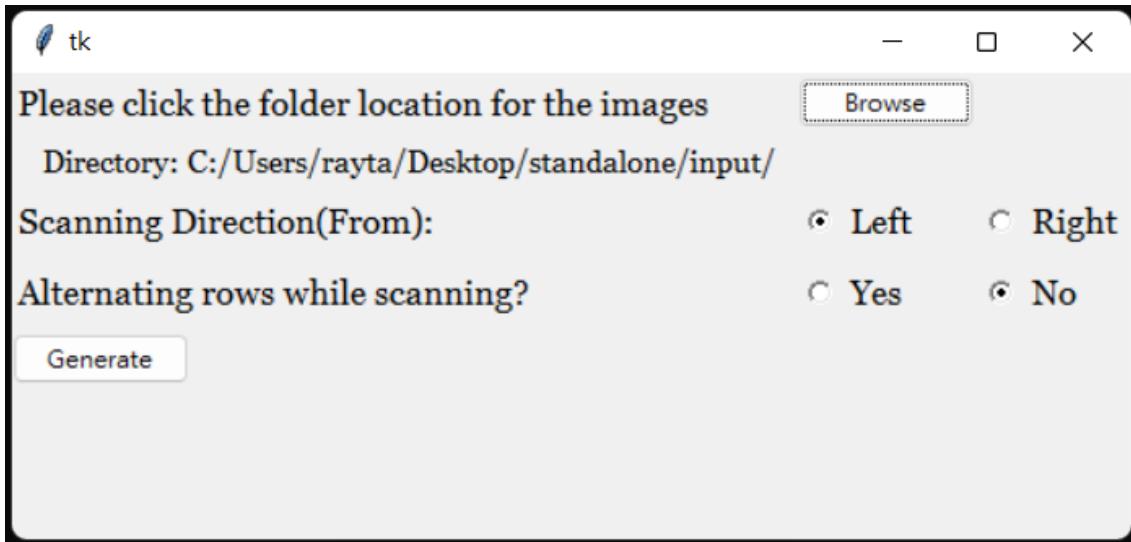


1.8. Wait for the selection menu to pop up.



2. Execution

2.1. The following image demonstrate the interface for Windows Users.



2.2. Prerequisites

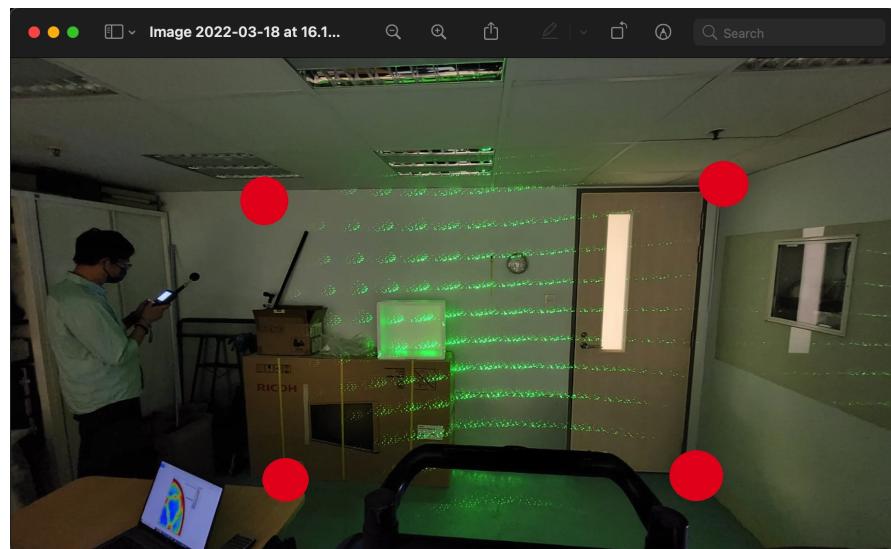
2.2.1. Combine your data and the image you wish to overlay by the results into one single folder.

▼	input	Today at 10:16 AM	-- Folder
📄	2022-03-18_SLM_005_123_Log.txt	28 Jun 2022 at 7:26 PM	16 KB Plain Text
🔊	2022-03-18_SLM_005_Audio_FS129.9dB(PK)_00.wav	28 Jun 2022 at 7:26 PM	2.5 MB Waveform audio
📄	2022-03-18_SLM_005_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	4 KB Plain Text
📄	2022-03-18_SLM_005.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
📄	2022-03-18_SLM_006_123_Log.txt	28 Jun 2022 at 7:26 PM	14 KB Plain Text
🔊	2022-03-18_SLM_006_Audio_FS129.9dB(PK)_00.wav	28 Jun 2022 at 7:26 PM	2 MB Waveform audio
📄	2022-03-18_SLM_006_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	4 KB Plain Text
📄	2022-03-18_SLM_006.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
📄	2022-03-18_SLM_007_123_Log.txt	28 Jun 2022 at 7:26 PM	14 KB Plain Text
🔊	2022-03-18_SLM_007_Audio_FS129.9dB(PK)_00.wav	28 Jun 2022 at 7:26 PM	2.2 MB Waveform audio
📄	2022-03-18_SLM_007_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	4 KB Plain Text
📄	2022-03-18_SLM_007.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
📄	2022-03-18_SLM_008_123_Log.txt	28 Jun 2022 at 7:26 PM	14 KB Plain Text
🔊	2022-03-18_SLM_008_Audio_FS129.9dB(PK)_00.wav	28 Jun 2022 at 7:26 PM	2.2 MB Waveform audio
📄	2022-03-18_SLM_008_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	4 KB Plain Text
📄	2022-03-18_SLM_008.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
📄	2022-03-18_SLM_009_123_Log.txt	28 Jun 2022 at 7:26 PM	18 KB Plain Text
🔊	2022-03-18_SLM_009_Audio_FS129.9dB(PK)_00.wav	28 Jun 2022 at 7:26 PM	2.9 MB Waveform audio
📄	2022-03-18_SLM_009_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	5 KB Plain Text
📄	2022-03-18_SLM_009.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
🖼️	Image 2022-03-18 at 16.16.49.jpeg	28 Jun 2022 at 7:26 PM	115 KB JPEG image
🖼️	Image 2022-03-18 at 16.16.49(corner marked).jpeg	28 Jun 2022 at 7:26 PM	202 KB JPEG image

2.2.2. The image you wish to overlay should have the word “corner” in its name.

📄	2022-03-18_SLM_009_RTA_Oct_Log.txt	28 Jun 2022 at 7:26 PM	5 KB Plain Text
📄	2022-03-18_SLM_009.XL2	28 Jun 2022 at 7:26 PM	11 KB Document
🖼️	Image 2022-03-18 at 16.16.49(corner marked).jpeg	28 Jun 2022 at 7:26 PM	202 KB JPEG image

2.2.3. The image itself should also have red circles marked in corners.

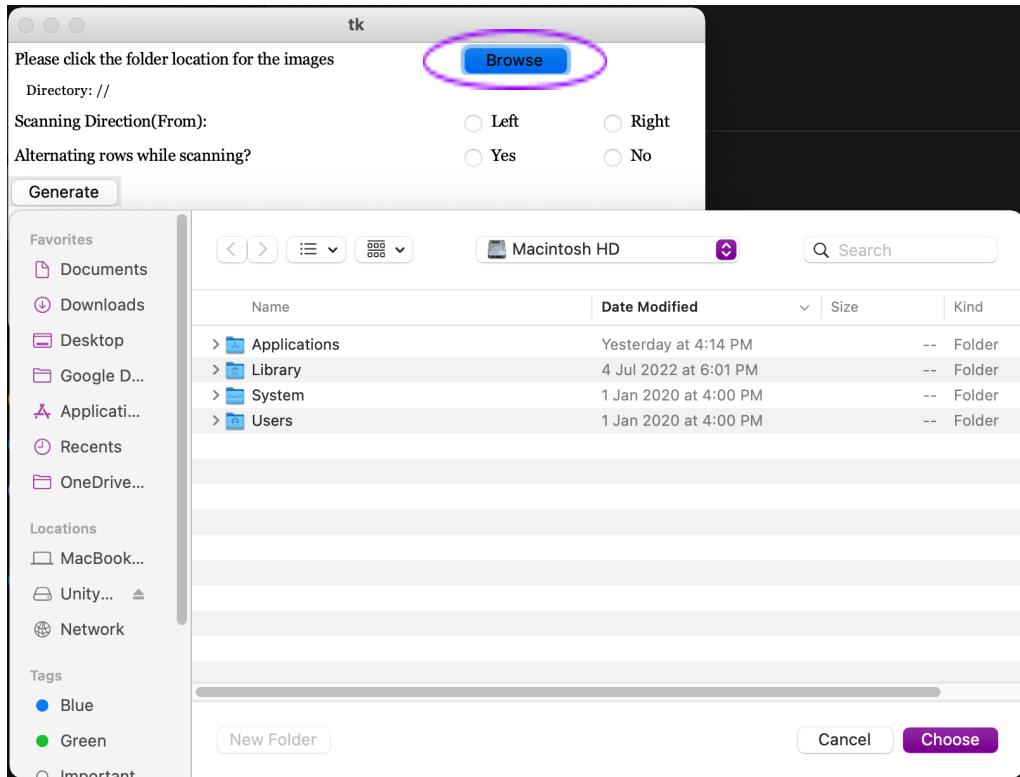


2.2.4. Your data files should be in the format of:

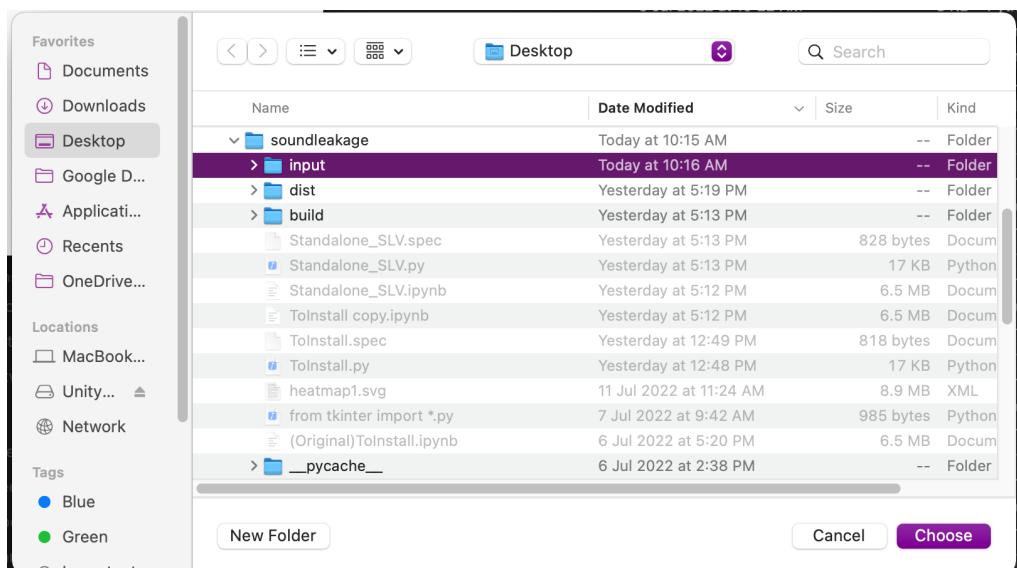
- 2.2.4.1. ".wav" for audios
- 2.2.4.2. "123_Log.txt" for Broadband Logging
- 2.2.4.3. "Oct_Log.txt" for RTA Spectrum Logging in Octave

2.3. Select your preferences

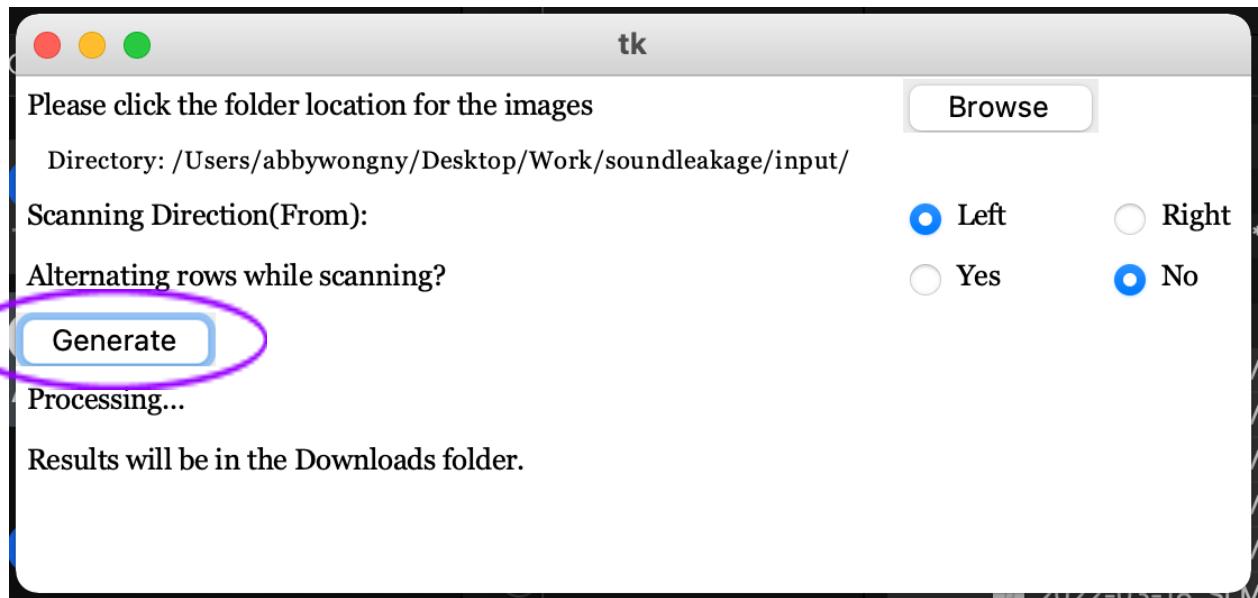
2.3.1. Click the "Browse" button, a window to browse directories will appear.



2.3.2. Select the folder that contains the image and files to process.

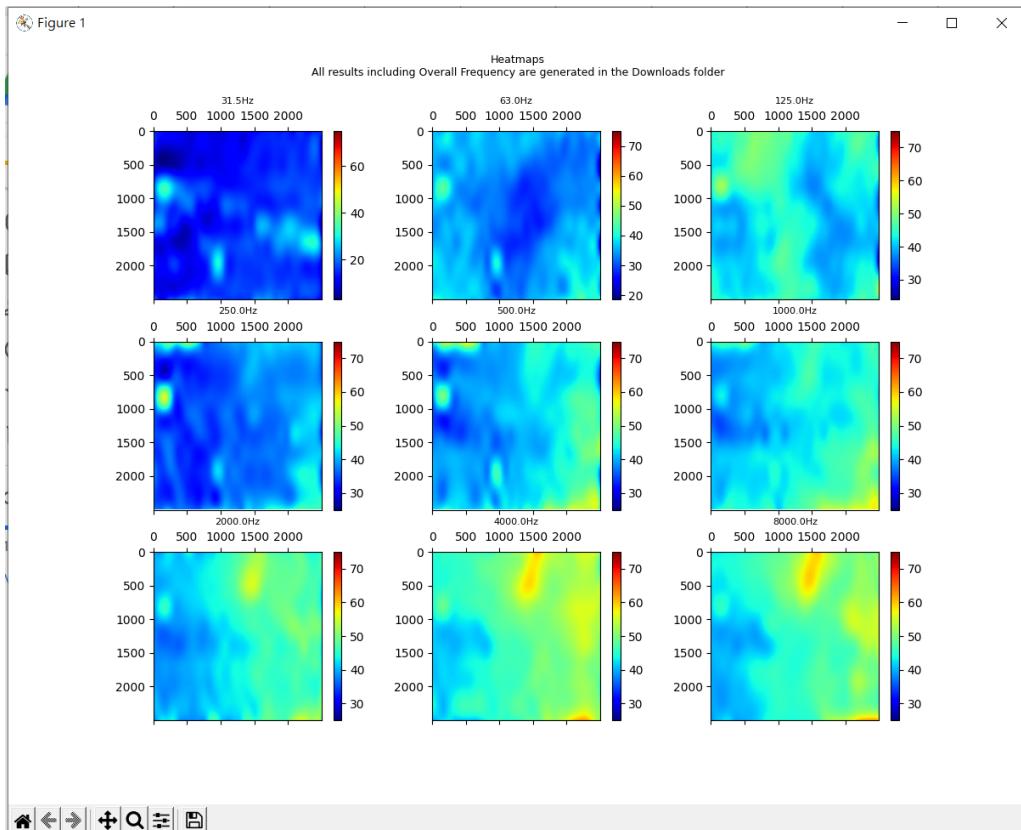


2.3.3. Select the direction from which you started scanning the sound, and whether you alternate the scanning directions between rows.

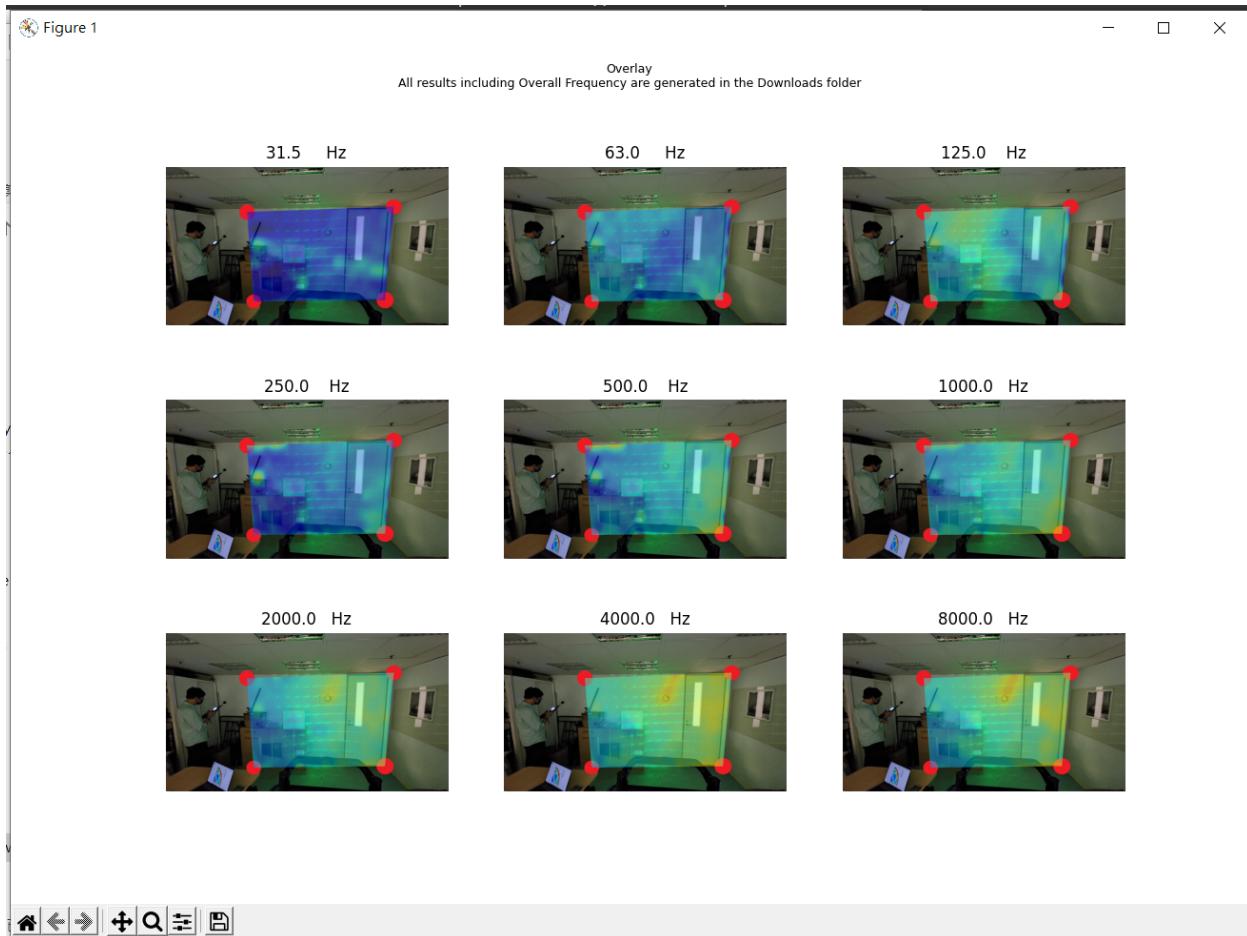


2.3.4. Click "Generate".

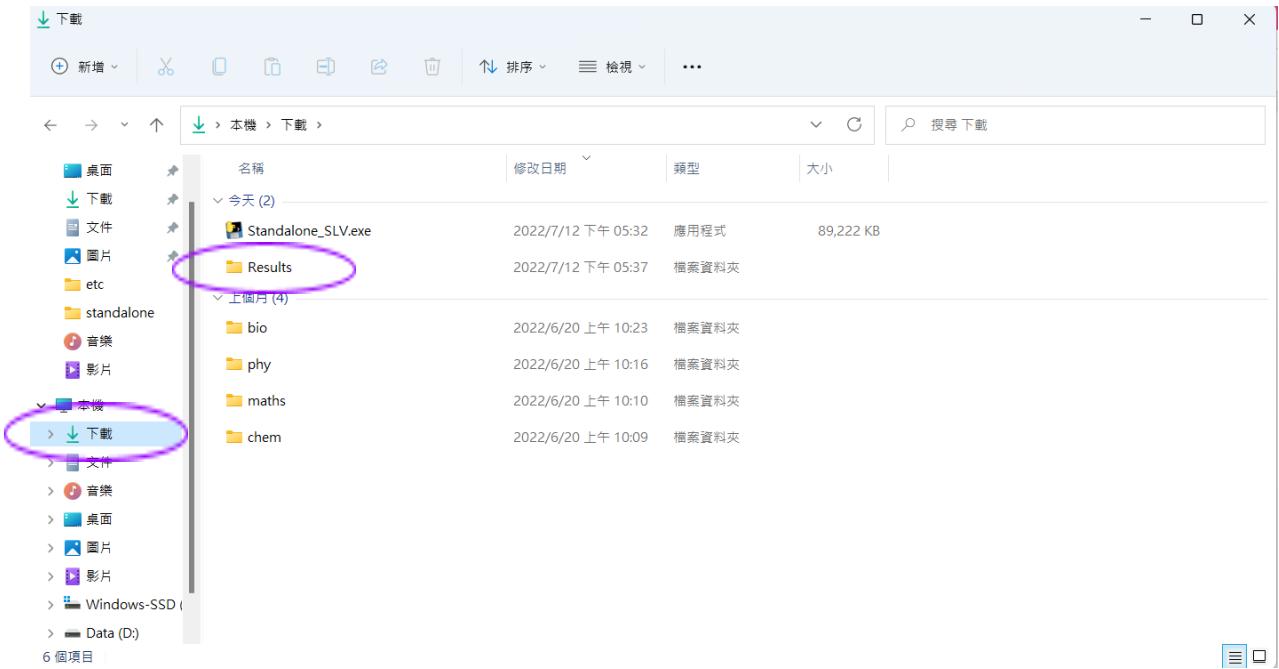
2.3.5. Figures will start popping up.



2.3.6. Make sure you close the figure windows to allow the next figure to pop up. It may take a while.



2.3.7. After viewing a series of figures, a "Results" folder will be generated in "Downloads".



2.3.8. The images are contained in the "Results" folder.

