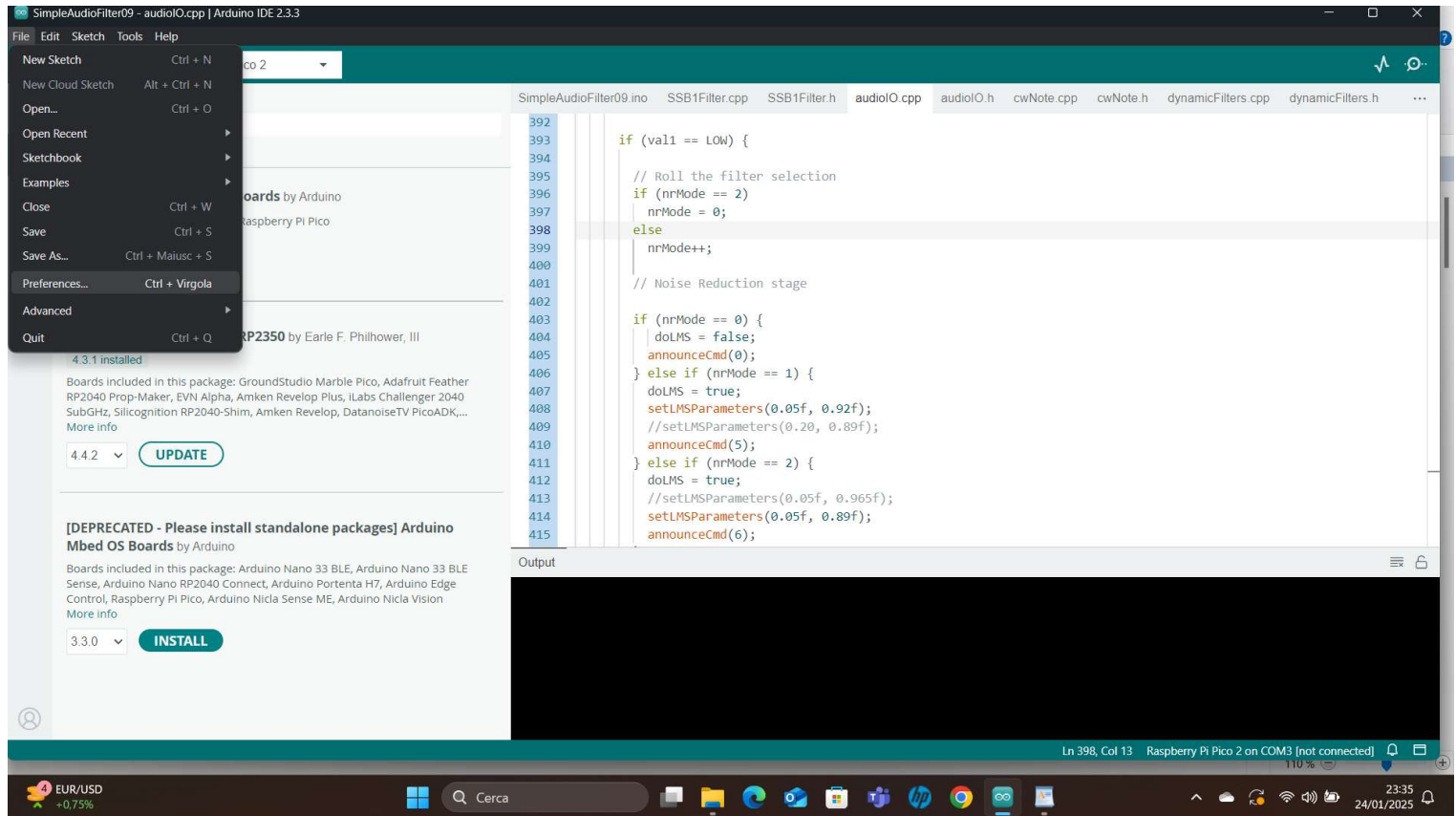
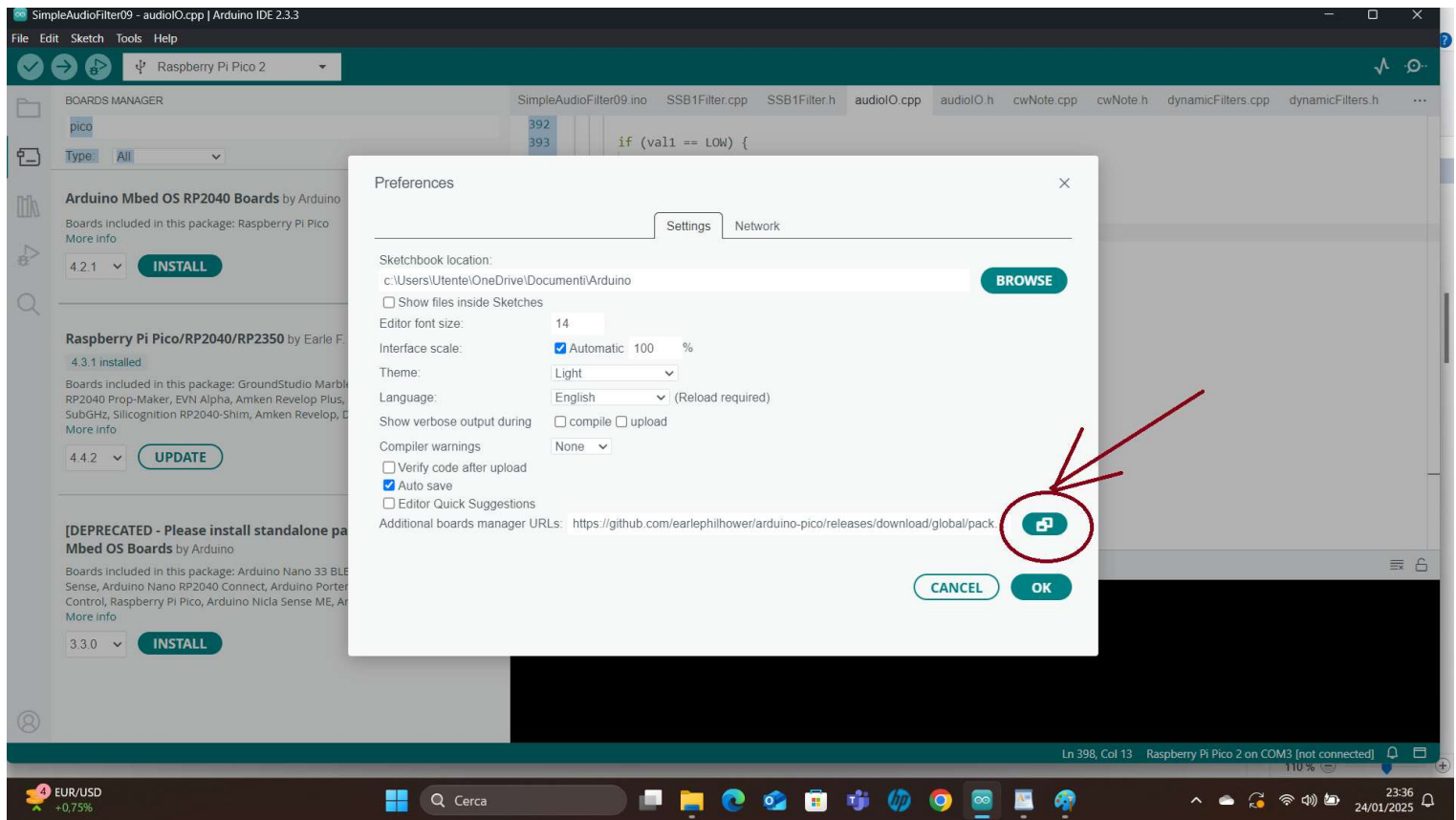


Setup Arduino IDE

Open the preferences...



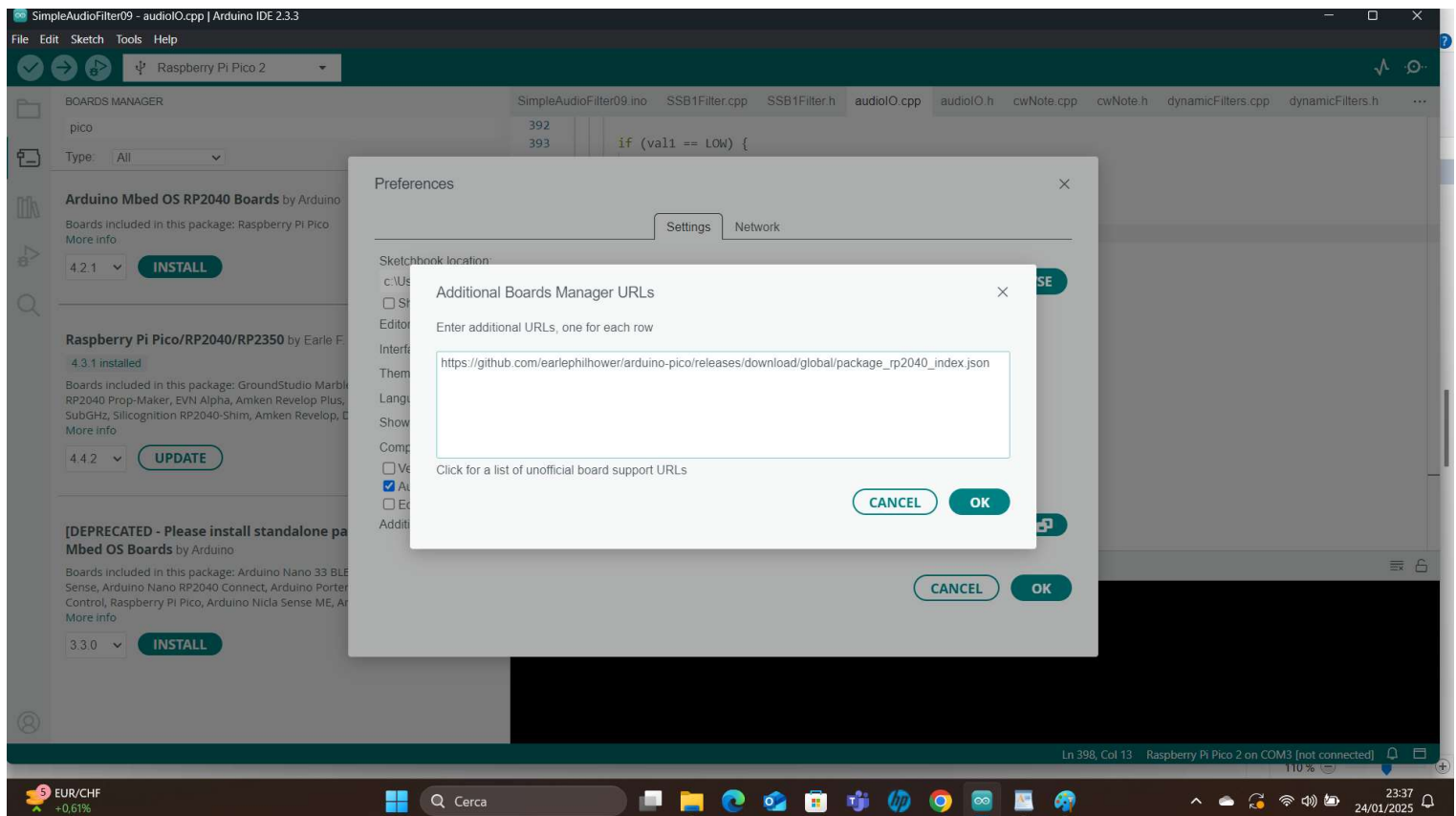
Select "Settings"



Open the "Additional Board Manager "

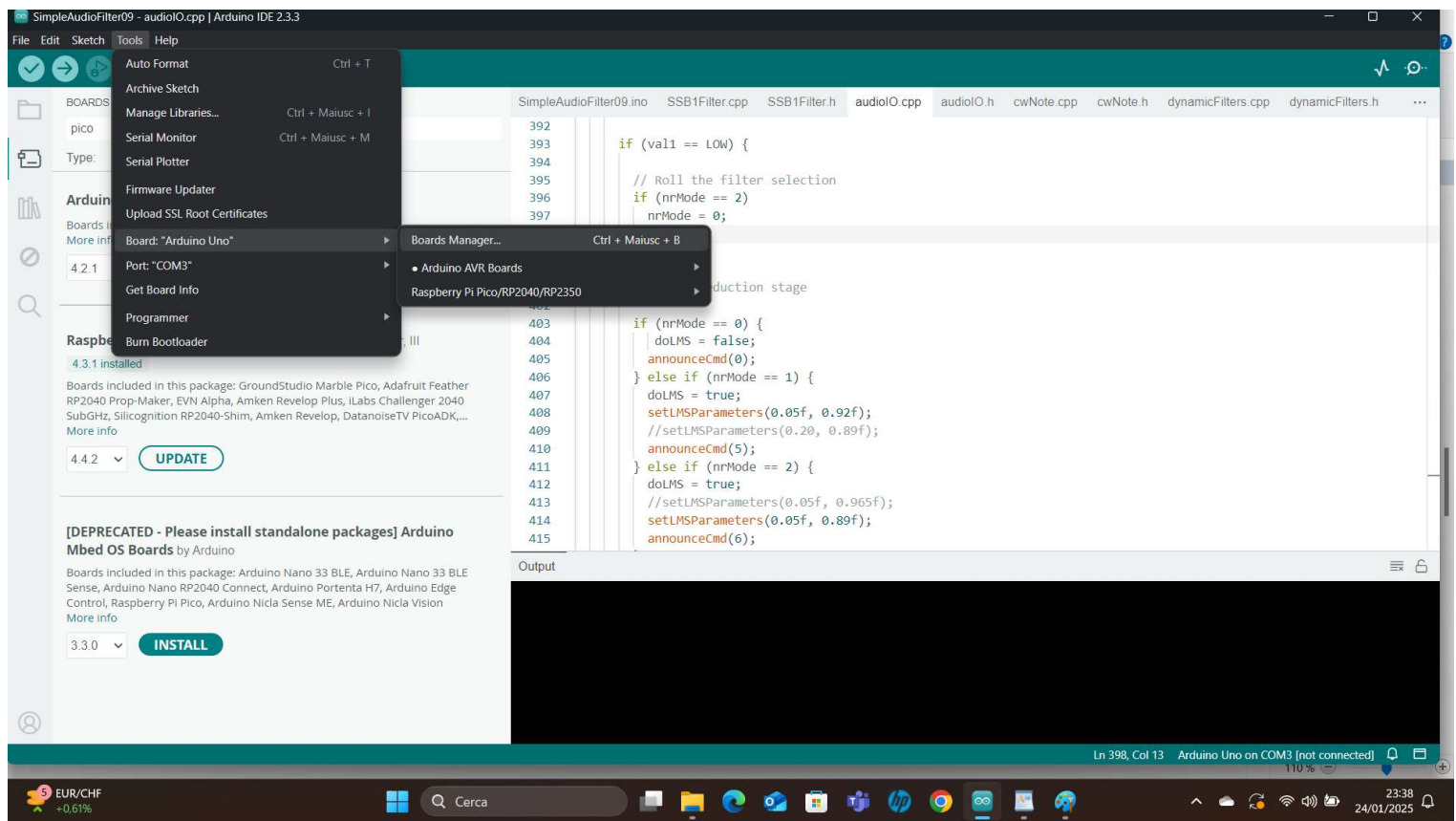
and paste the current url:

https://github.com/earlephilhower/arduino-pico/releases/download/global/package_rp2040_index.json

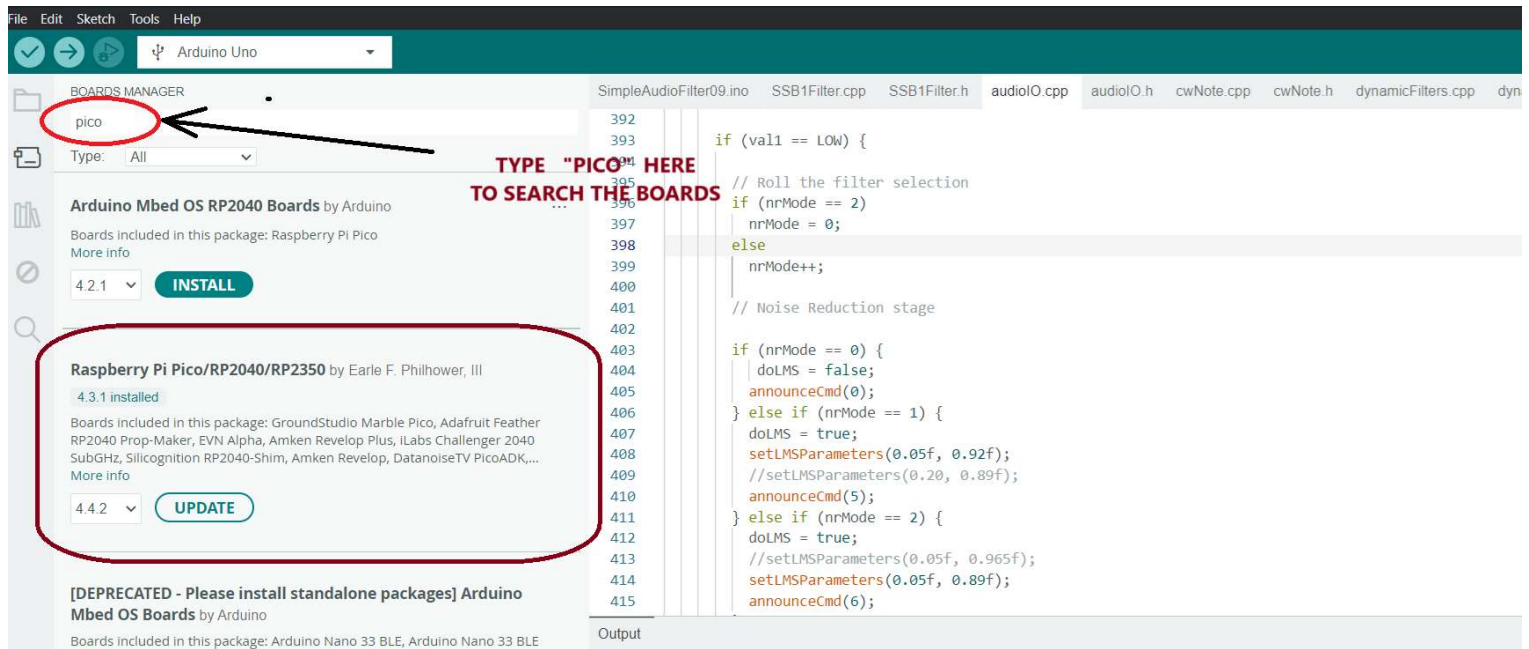


Then ...

open the **Boards Manager**:

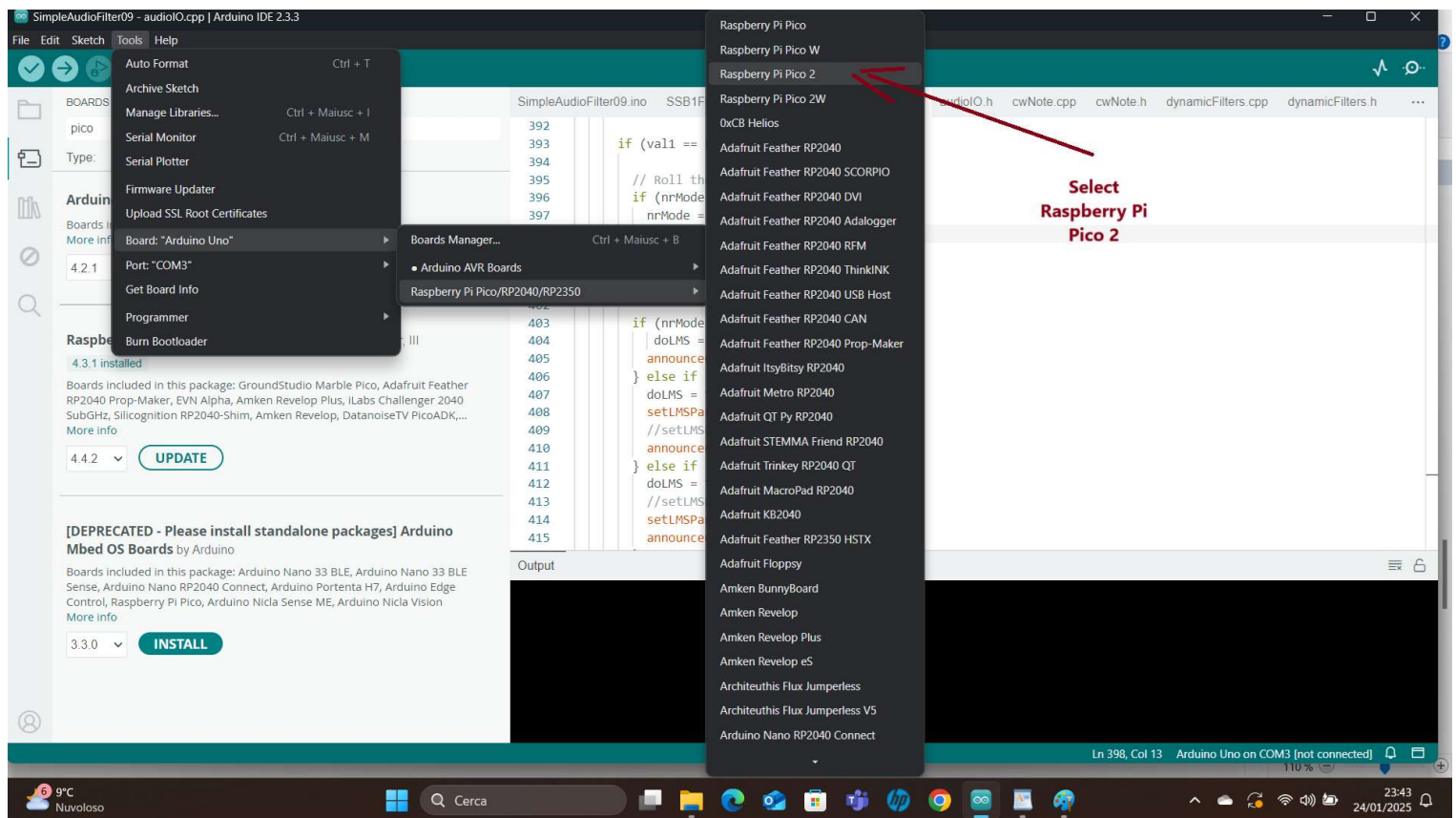


Install the : " **Raspberry Pi Pico/RP2040/RP2350 by Earle F. Philhower, III** "



Select the appropriate board:

To compile for Raspberry Pico 2 (second version) , select **Raspberry Pi Pico 2**



setup completed.

Let's compile the source

Open the link: <https://github.com/gcallipo/RadioDSP-Pico>

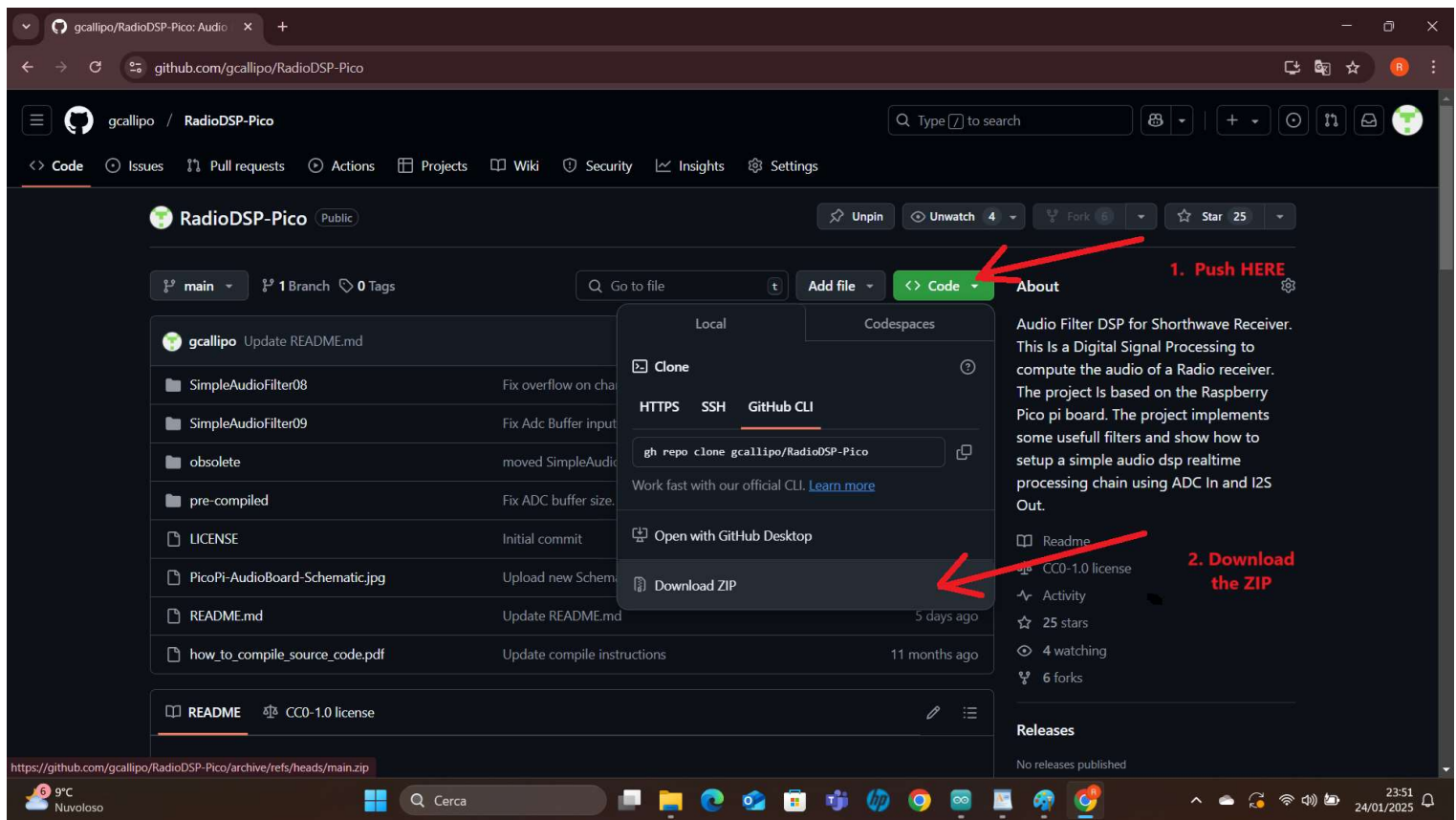
The screenshot shows the GitHub repository page for **gcallipo/RadioDSP-Pico**. The repository is public and has 25 stars, 4 watchers, and 6 forks. The main branch is **main**. The repository contains the following files and folders:

File/Folder	Description	Commit Date
SimpleAudioFilter08	Fix overflow on change mode	2 years ago
SimpleAudioFilter09	Fix Adc Buffer input and optimize LMS	5 days ago
obsolete	moved SimpleAudioFilter07 in obsolete older versions	2 weeks ago
pre-compiled	Fix ADC buffer size.	5 days ago
LICENSE	Initial commit	3 years ago
PicoPi-AudioBoard-Schematic.jpg	Upload new Schematic based on PCMS102A dac	2 years ago
README.md	Update README.md	5 days ago
how_to_compile_source_code.pdf	Update compile instructions	11 months ago

The repository also includes a **README** file and a **CC0-1.0 license**. The **About** section describes the project as an Audio Filter DSP for Shorthwave Receiver, designed to compute the audio of a Radio receiver. It is based on the Raspberry Pico pi board and implements some usefull filters and shows how to setup a simple audio dsp realtime processing chain using ADC In and I2S Out.

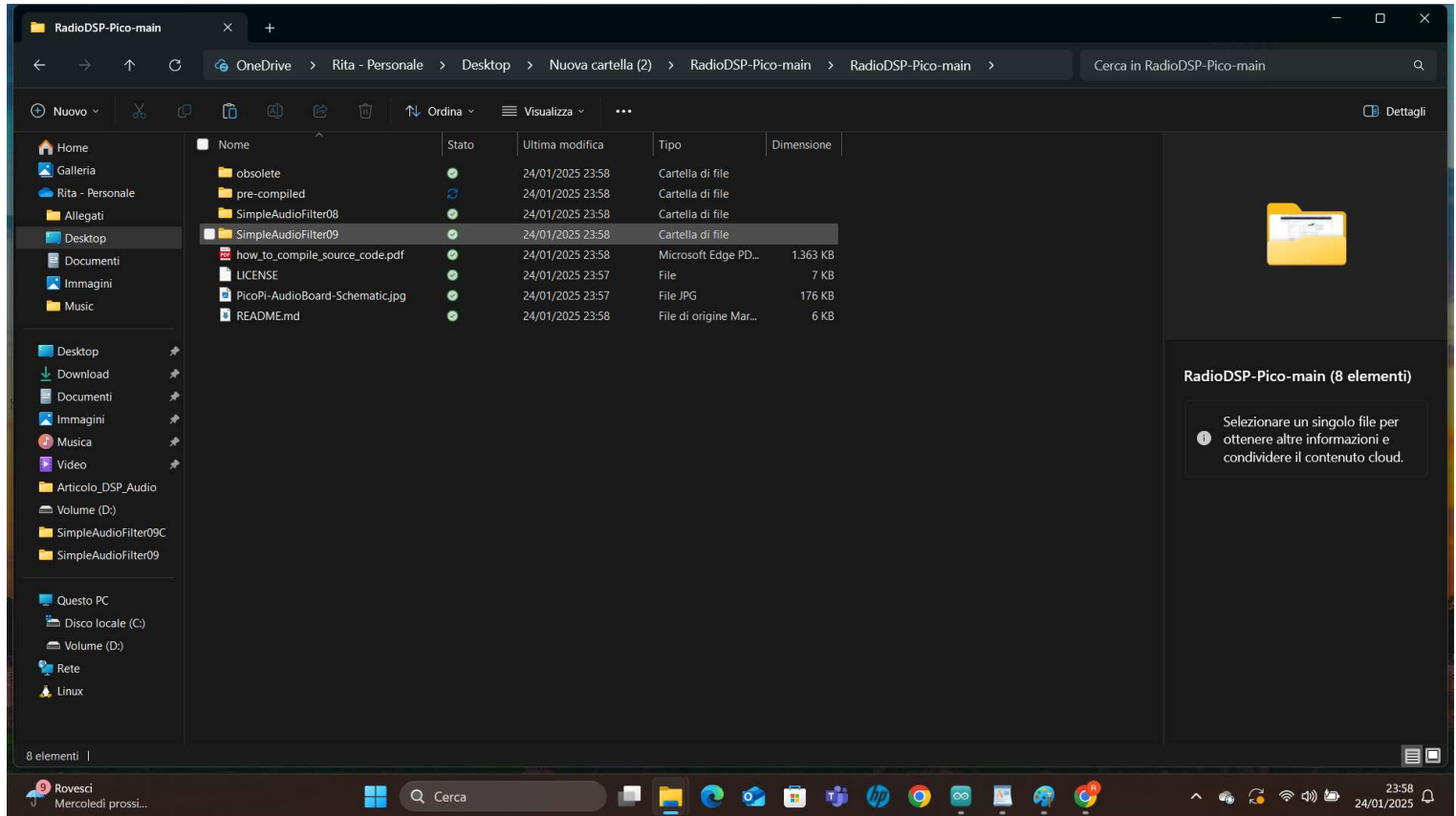
The **Releases** section indicates that no releases have been published.

Download the full project as ZIP:

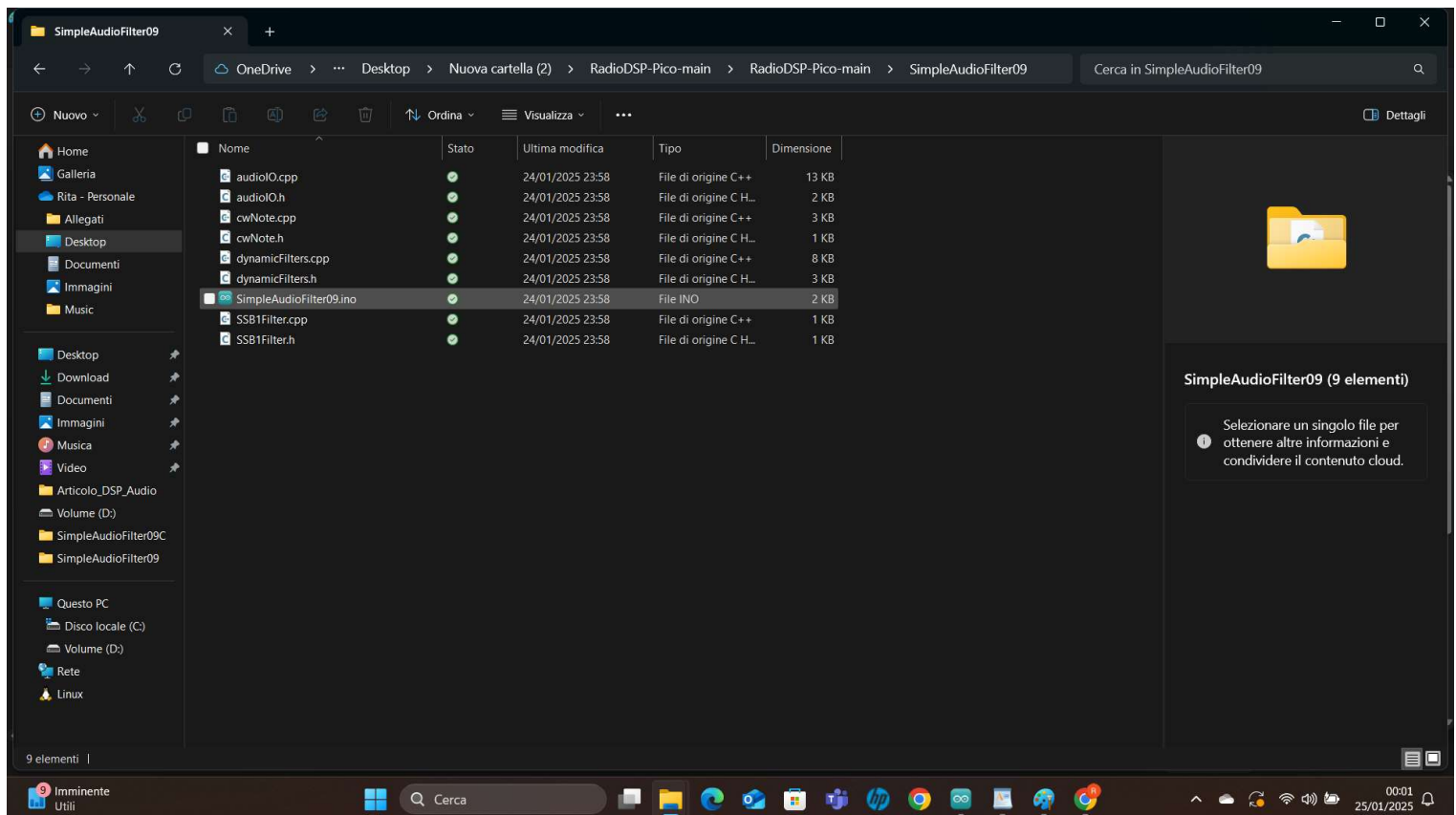


Unzip the download file: **RadioDSP-Pico-main.zip**

Open the Project : **SimpleAudioFiler09**

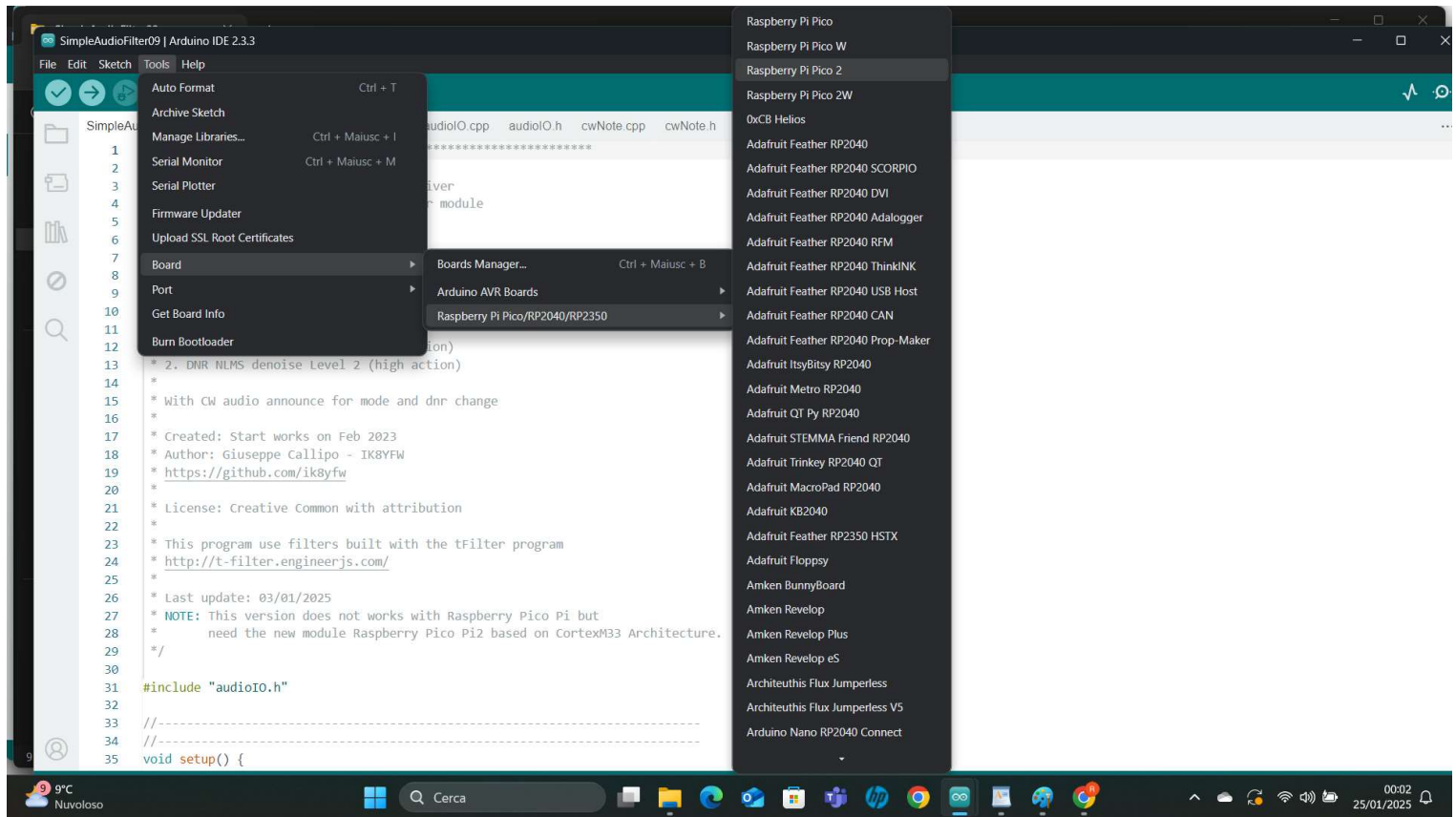


Open the File : SimpleAudioFilter09.ino (with double click)

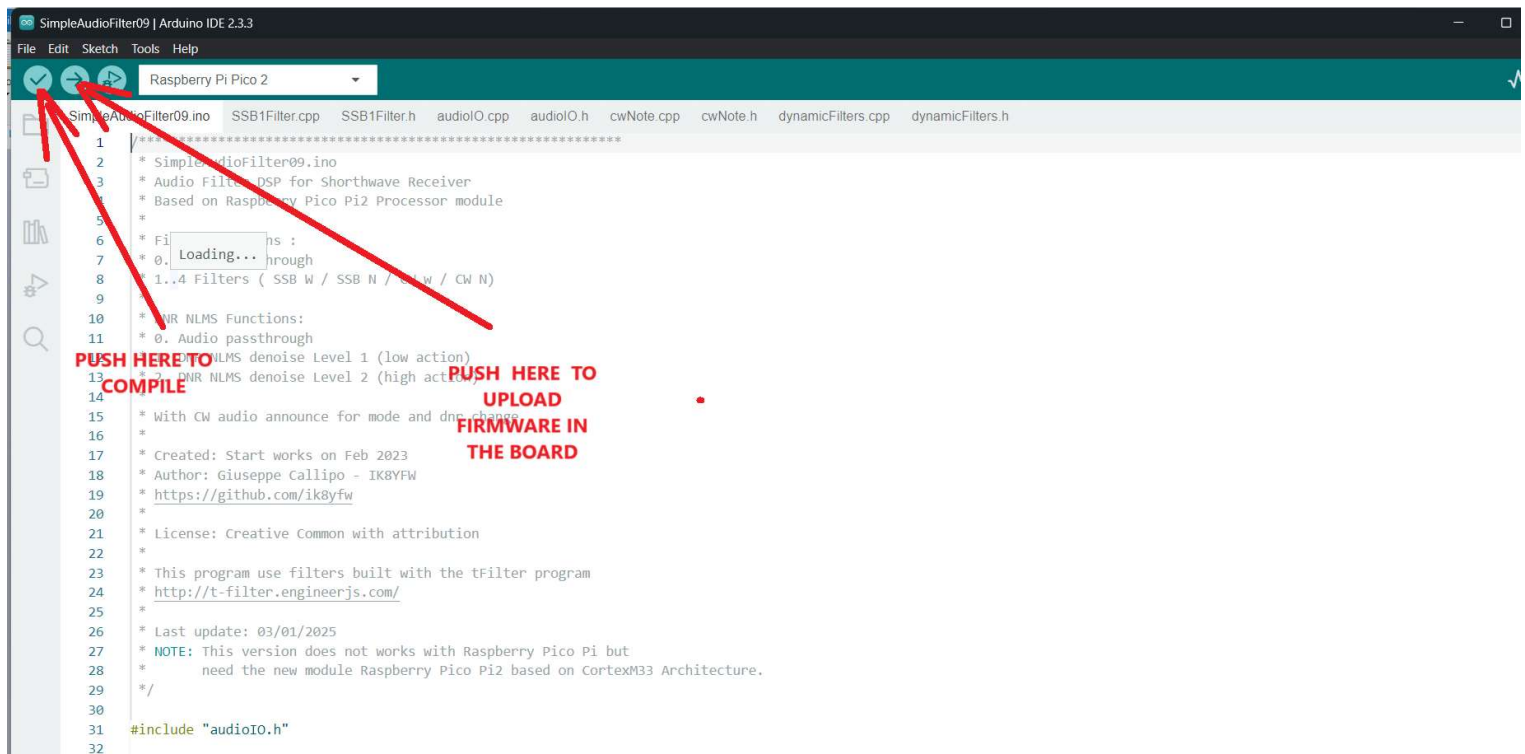


Then ...

Select the Board: Raspberry Pi Pico 2



To compile and upload the firmware ...



Please, push the button on the board "Raspberry Pico 2" before connect it to the USB ... then upload the firmware.

That's all folks.