

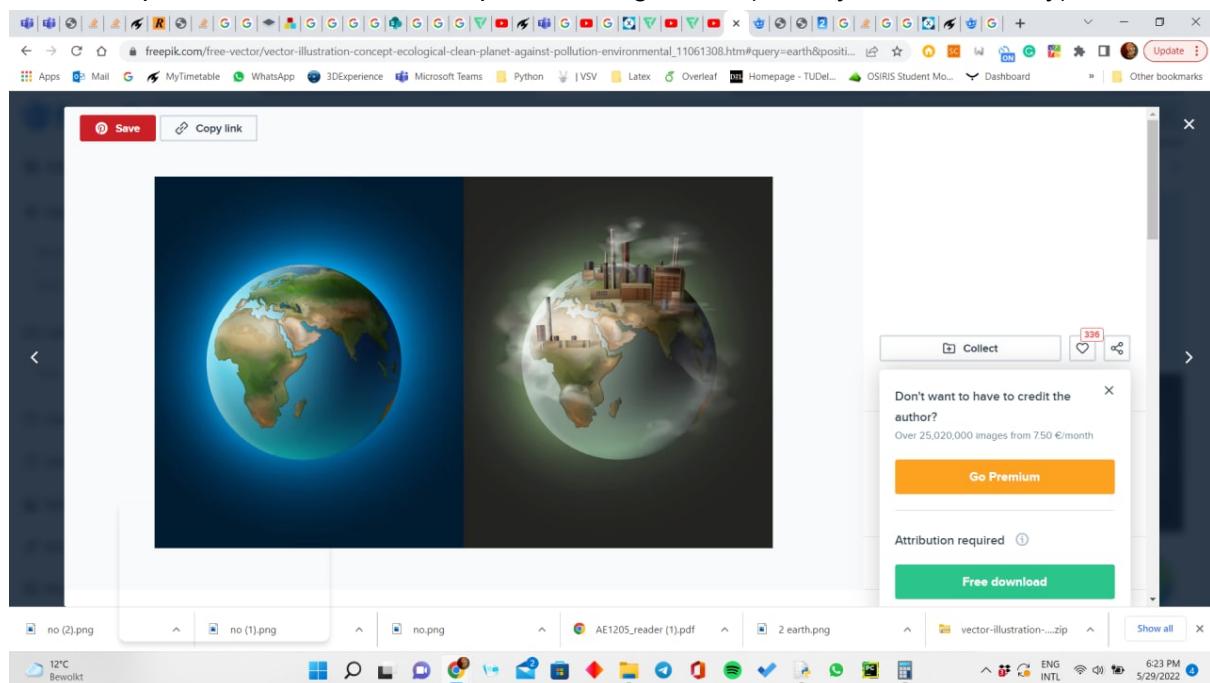
This document is an overview of what the game (educational-made for kids) is and the websites I used (to get information about green sources which I later used when making warning pop ups) along with all the apps I used(along with where I got the images)

What the game is (this is a game for kids..to educate them about green sources and energy transition from fossil to green):

1. Kill CO2's
2. If you accidentally kill a green energy source, a message about that source comes up (in order to educate you about how that source is critical for energy transition and why you shouldn't kill) (green sources will respawn again). For example if you kill wind energy a pop up about that specific green energy source will pop up to educate you.
3. After earth becomes fully healthy...keep killing CO2's (they won't respawn and their numbers will decrease).
4. After all the CO2's are killed a wormhole will appear ..which you can use to get back home (earth)

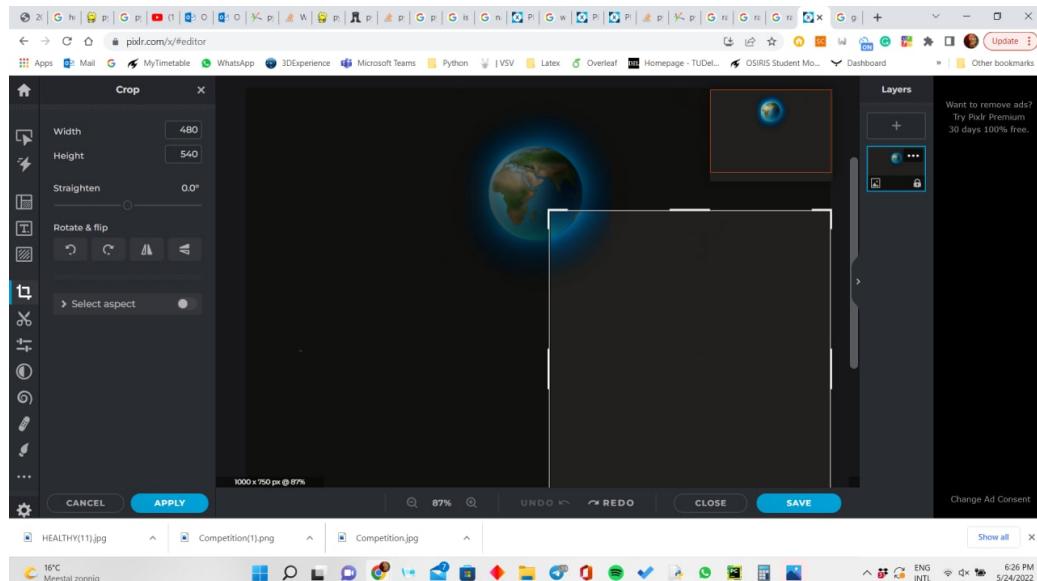
How the whole project went (almost 1 to 2 weeks)

I used the pic below to create two separate backgrounds (healthy and not healthy).

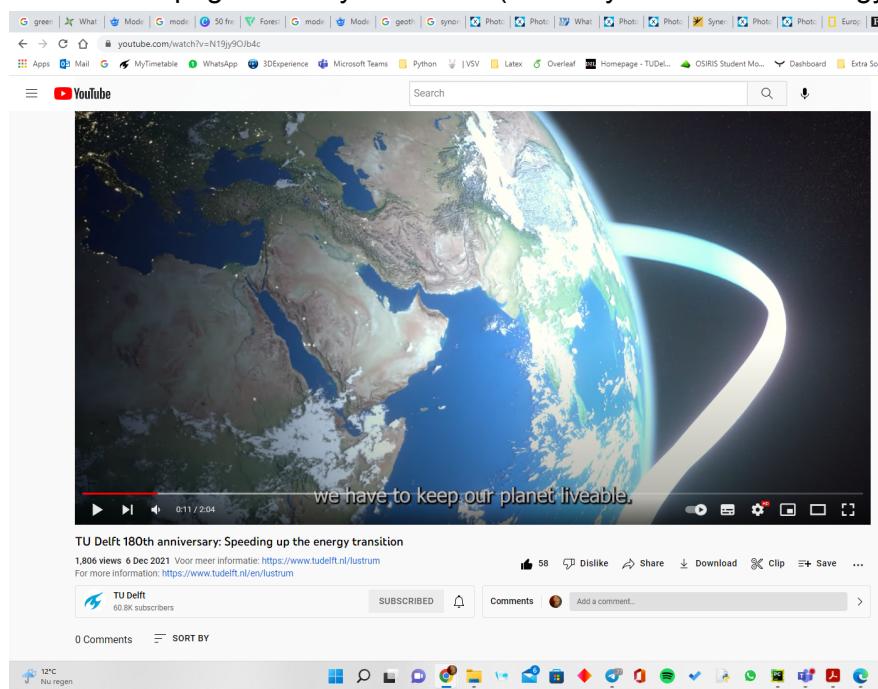


Source (<https://www.freepik.com/>)

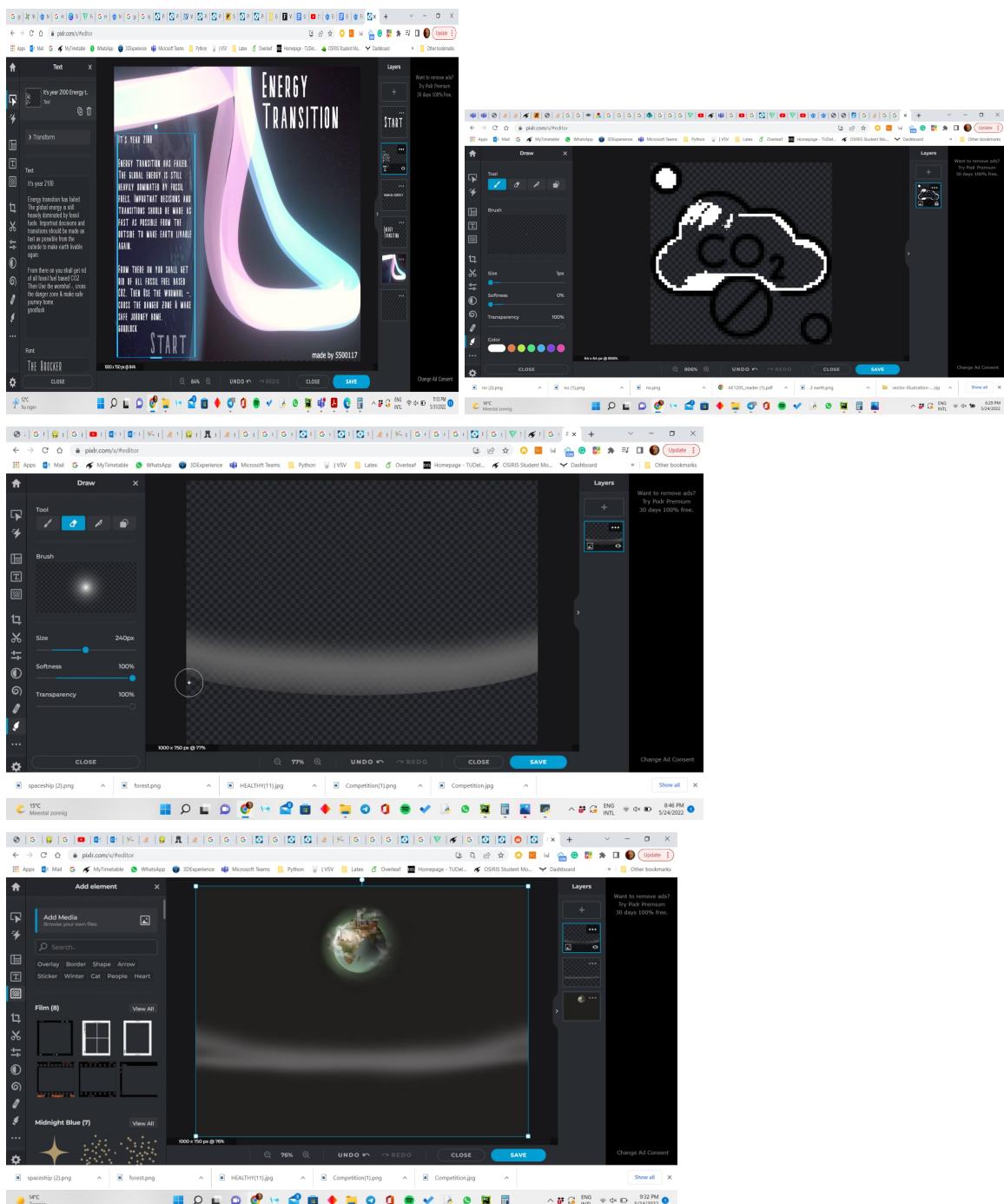
I cropped the healthy earth so I could use it in the game (whenever you kill a CO₂ a part of the unhealthy earth becomes healthy/livable)



Got the start page from a youtube vid (made by tudelft about energy transition).



Edited all the pics using <https://pixlr.com/>.



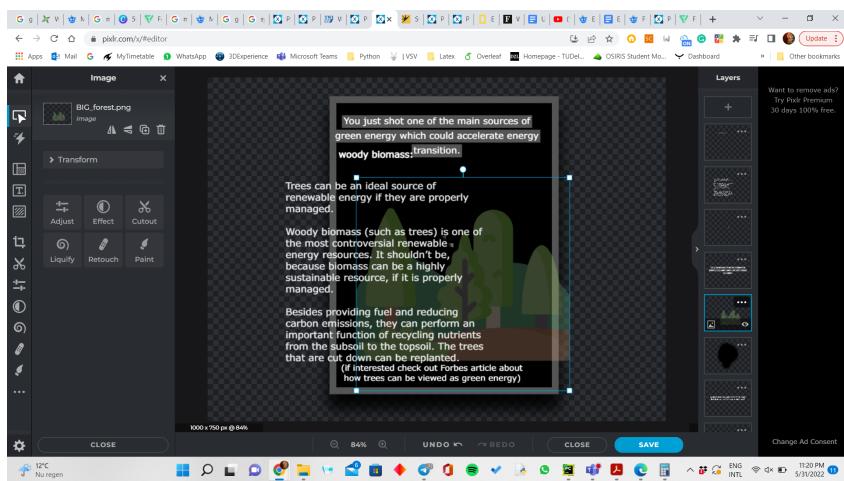
Then I made all the warning messages which you will receive when you shoot any of the green sources (for example if u shoot wind energy you will be educated about the wind energy). (I got all the information from [Forbes¹](https://www.forbes.com/sites/rrapier/2022/04/11/why-trees-are-an-ideal-source-of-renewable-power/?sh=2af67d7a5477) & [TWI_global²](https://www.twi-global.com/technical-knowledge/faqs/what-is-green-energy)). Used the same icons that I used for before (got them all from Flat Icons³ - you can find icons and download them in any size from 6pixel*6pixel to 512pixel*512pixel). Again I used [Pixlr](#) to edit all the pictures.

¹

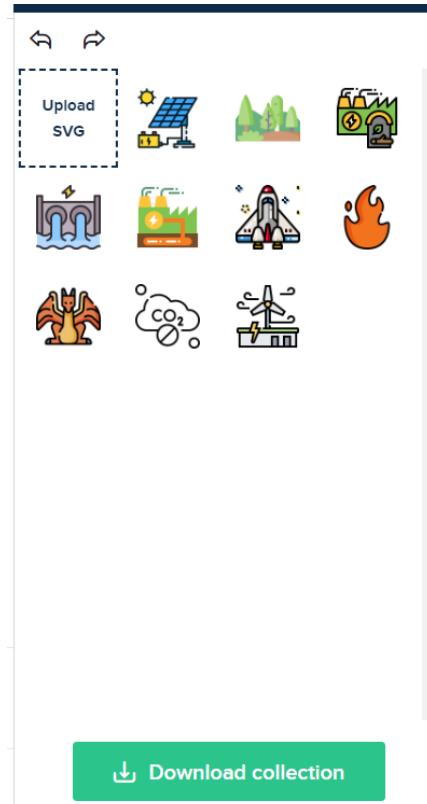
<https://www.forbes.com/sites/rrapier/2022/04/11/why-trees-are-an-ideal-source-of-renewable-power/?sh=2af67d7a5477>

² <https://www.twi-global.com/technical-knowledge/faqs/what-is-green-energy>

³ <https://www.flaticon.com/>



First version of the game can be seen below:



I had no prior coding experience but the things I learned when doing the assignments (especially assignment 4) and this youtube video about pygame helped me a lot (I had a hard time creating multiple CO₂'s and green sources- this youtube video <https://www.youtube.com/watch?v=FfWpgLFMI7w&t=4328s> helped a lot).