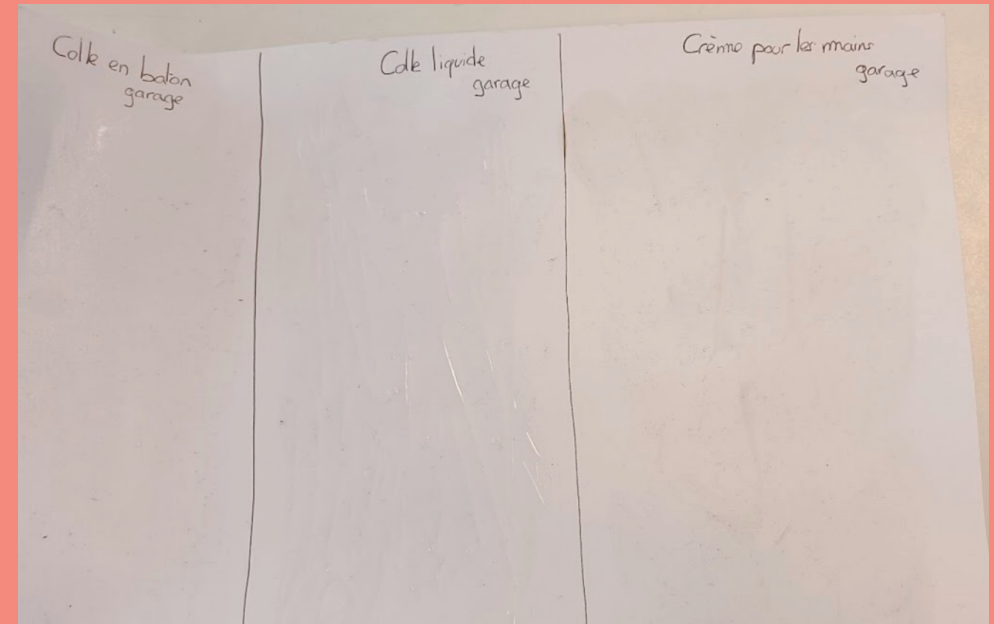


What's in the air that I breathe?

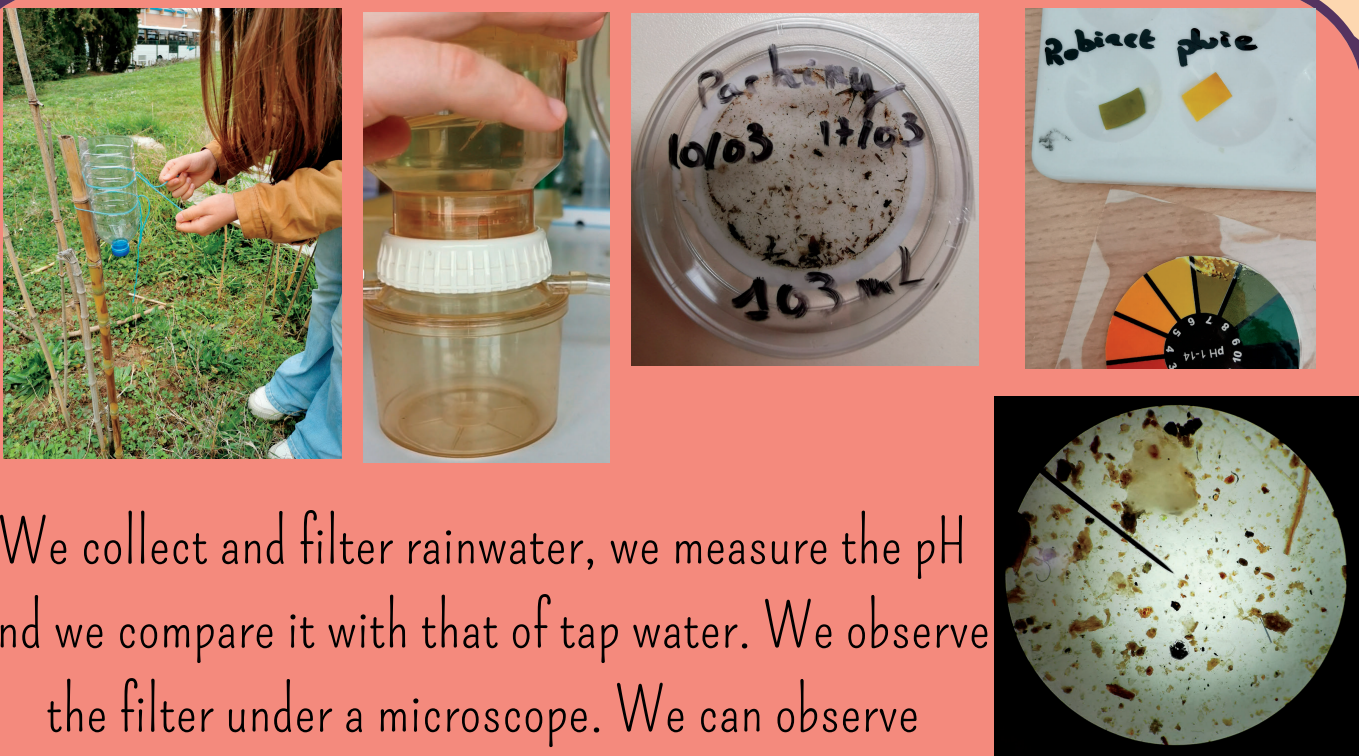
Science club of collège Jacques Mauré - Castelnest (31)



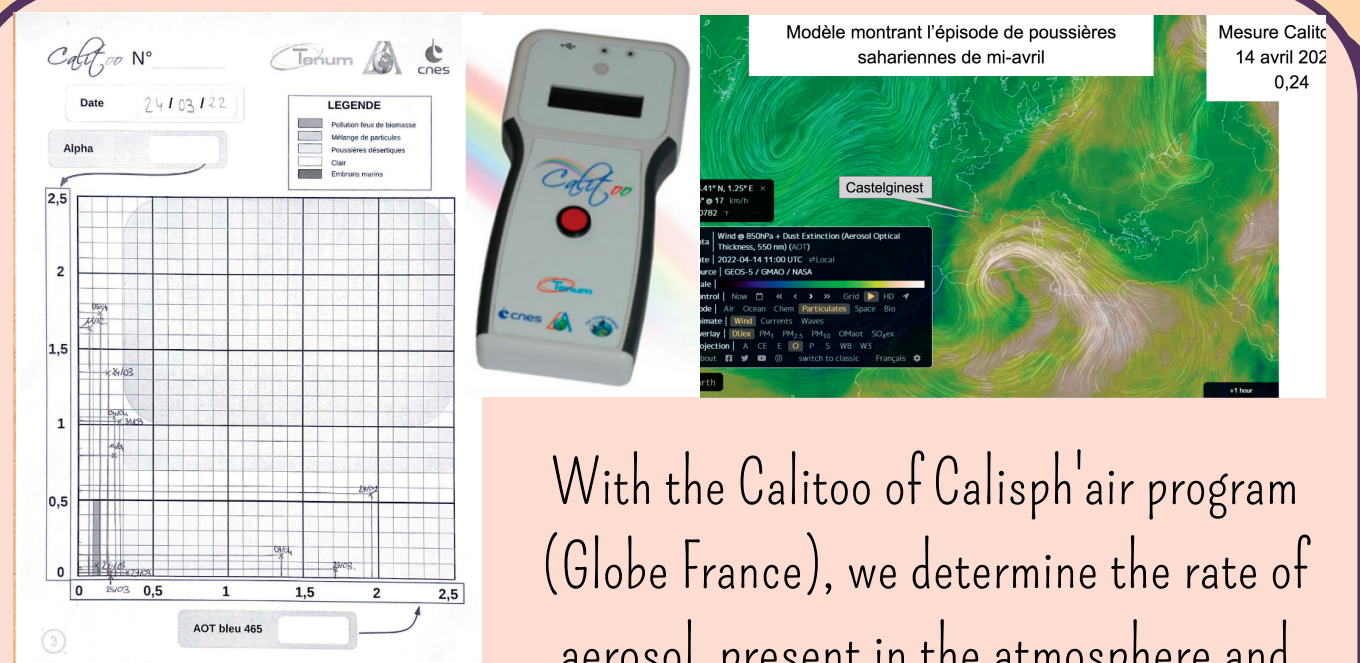
We start by taking pictures of clues of what the air may carry or hold (pollution by transports, sand, plastic bags, etc.)



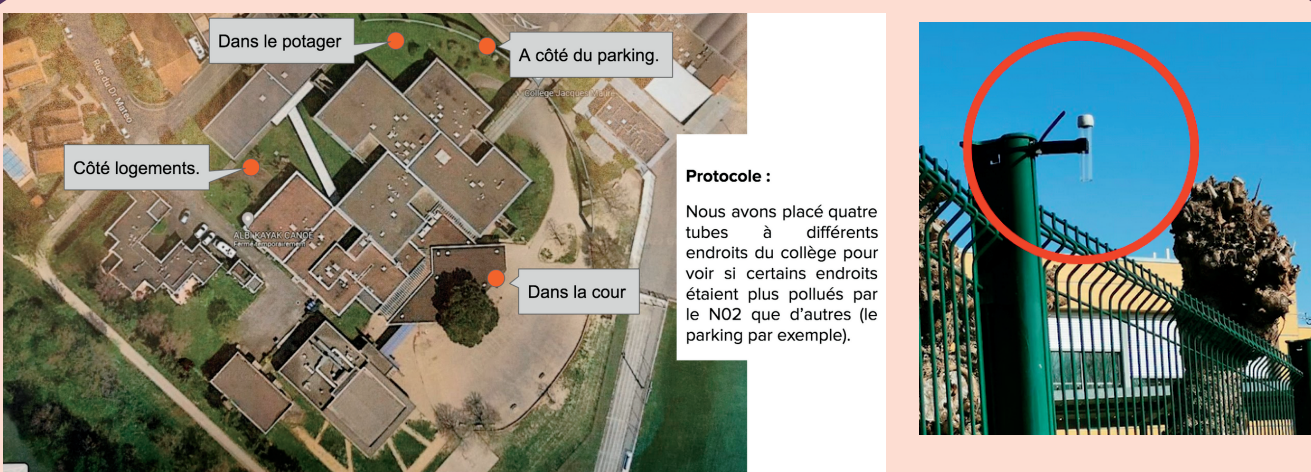
Also, we decide to place glued paper in various areas of our school or at our home to capture what the air can carry.



We collect and filter rainwater, we measure the pH and we compare it with that of tap water. We observe the filter under a microscope. We can observe pollens, sand, organic debris among others.



With the Calitoo of Calisph'air program (Globe France), we determine the rate of aerosol present in the atmosphere and highlight the episodes of Saharan sands in April 2022.



With Globe program, we measure nitrogen dioxide level at 4 spots in our school (parking, schoolyard, vegetable garden and private accommodations). Results show that we are close to the norm but slightly above. No major differences between the 4 spots.



With GLOBE program, we exchange our experiments and results with St Finian's Community College of Dublin.

We realize that air carries many elements visible or not, harmful or not and unfortunately, we breathe them.