CLIMATE DETECTIVES 2021 - 2022
os 20 Afonsinhos
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## RESEARCH QUESTION

What can I do, as a young man, to build a society capable of facing longer and longer periods of drought?

## SUMMARY OF PROJECT

With this project we tried to understand the reason for scarcity of water in Algave and if we were making efficient use of potable water. To this end, we analyzed the following data: - Our school's water billsfegar).

The temperature variation in Algarve(IPMA).
-The variation of precipitation(IPMA). $\cdot$ The evolution of drought in the south(IPMA).
-We calculated the waterfootprint(trough the website of portuguese association of water resources, "ECH2O água" program) of our school community(students, teachers and staff) and recorded the direct and the indirect waterfootprint values of each person.

## MAIN RESULTS

Water scarcity is an increasingly common and prolonged phenomenon.
We investigated the area and population of the district of Faro and the city of Faro
munity, having conclued that, on average, the direct
comsumption of water is 531 L /day and the indirect comsumption is 4992 L /day.
We anailised the values of precipitation in the last years.
We did a survey of our school's fumption of our school is around 2430 m of drinking water.
We did a survey of our school's faucetes and went to check if any were dripping

efficient use of driking water, and we are not making use of rainwater.

## ACTIONS TO HELP LESSEN TO THE PROBLEM

We are going to carry out an awareness campaign, trough a lecture prepared by us, for the entire educationa community, with the aim of being able to make a more efficient use of drinking water. At the same time, we are going to hold a contest at our school to see with class can make more use of rainwater, which will late be used to water the gardens.

