



WATER AUDIT AND WATER GUIDE OF OUR SCHOOL

Setelsis School, Solsona (Barcelona)

Introduction

We are kids from 6th grade in
Setelsis School, Solsona.
This is our digital project.





Checking the water meter

The first action we did was to check the **water meter** to see how much water we spend on **a day in our school**.

We knew it by subtracting the **amount** in the old photo to the new one.

We saw that we use about **6000 liters** in a day, which is the **amount of a tank truck**.



Field research

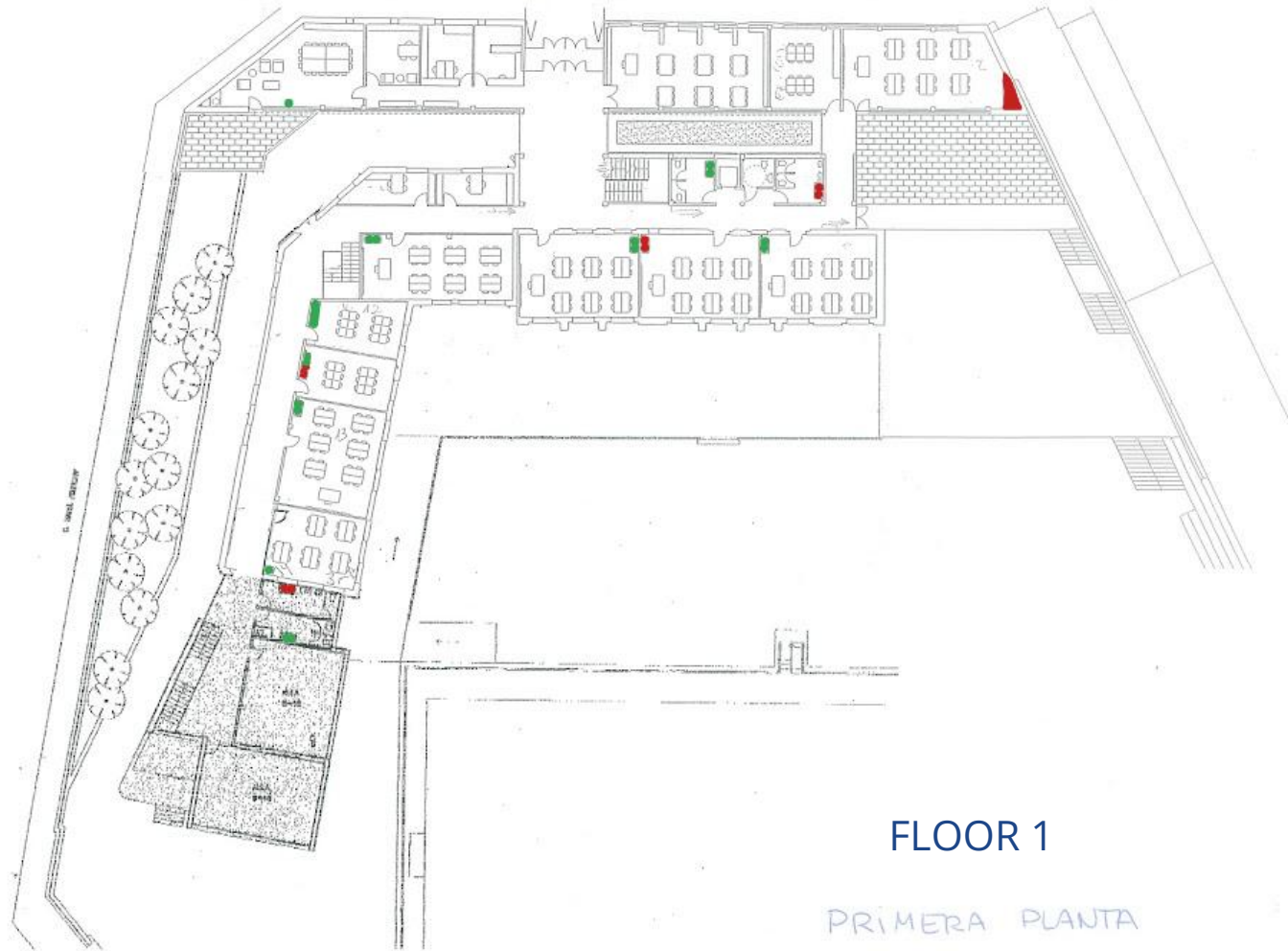
We went to every **classroom, toilet and even the kitchen**. With a **grid**, we checked if all the taps worked properly and we saw the following **results** (taps are colored, if they are red, they don't work correctly):





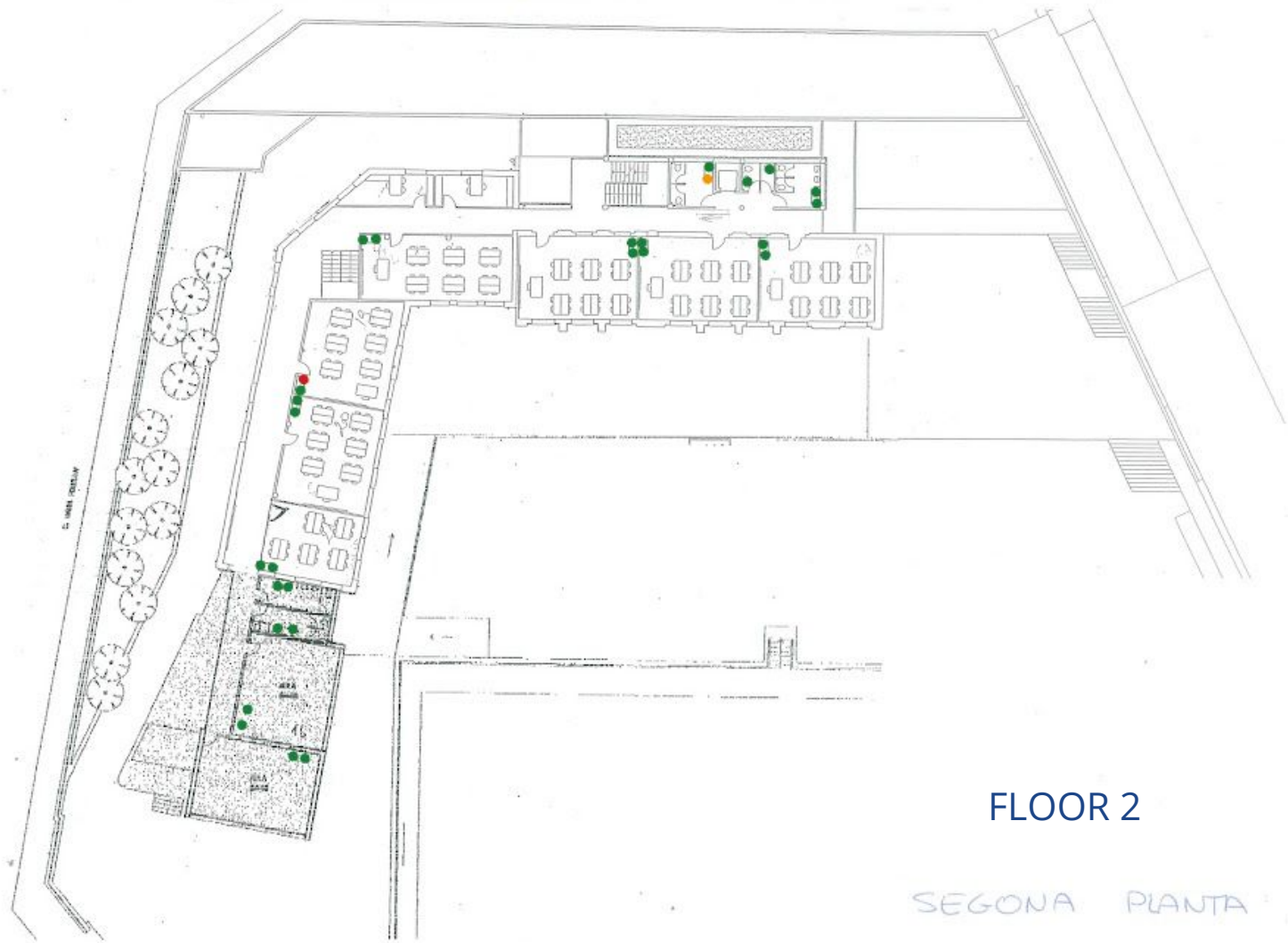
FLOOR 0

PLANTA BAIXA



FLOOR 1

PRIMERA PLANTA



FLOOR 2

SEGONA PLANTA

Our water audit

School water Audit



LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
floor 0 classroom 08	2 sinks	1 of them drips water	Fix it	Miquel (custodian)
floor 0 classroom 09	2 sinks	OK	-	-
floor 0 toilet 1	4 sinks	OK	-	-
floor 0 classroom 07	2 sinks	OK	-	-
floor 0 classroom 05	4 sinks	when you open the hot water, two sinks become em.	fix it or ask children to use sinks at the same time.	Miquel (custodian)
floor 0 classroom 04	2 sinks	raja poc	-	-
floor 0 classroom 03	2 sinks	OK	-	-

Our water audit

School water Audit



LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
Floor 0 classroom 02	4 sinks	2 of them drip water	fix them	Miquel
Floor 0 classroom 0	4 sinks	OK	-	-
Floor 0 Classroom 01	2 sinks	OK	-	-
Dinning Room	4 sinks	OK	-	-
Kitchen	4 sinks	1 of them dripS water	fix it	Miquel
Floor 0 Toilet 2	2 sinks	2 of them drip water	fix them	Miquel
Floor 0 Toilet 3	2 sinks	2 of them drip water	fix them	Miquel

Our water audit



School water Audit

LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
Floor 1 Room 17	2 sinks	OK!	-	-
Floor 1 Room 16	2 sinks	1 sink is very fast	Fix it	Miquel
Floor 1 Toilets 3	2 sinks	OK!	-	-
Floor 1 Toilets 2	2 sinks	2 sinks works badly	Fix it	Miquel
Floor 1 Room 18	2 sinks	OK	-	-
Floor 1 Room 19	2 sinks	OK	-	-
Staff room	4 sinks	OK	-	-

Our water audit

School water Audit

SOLSONA

LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
Room 10	2 sinks	1 sink drips water	Fix it	Miquel
Room 11	2 sinks	OK	-	-
Room 12	2 sinks	1 sink drips water	Fix it	Miquel
Toilets 1B boys	2 sinks	1 sink drips water	Fix it	Miquel
Toilets 1B girls	2 sinks	OK	-	-
Room 13	2 sinks	OK	-	-
Room 14	2 sinks	OK	-	-
Room 15	2 sinks	OK	-	-

Our water audit

School water Audit

LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
Floor 2 Toilets	6 sinks	OK	-	-
Floor 2 Room 21	2 sinks	OK	-	-
Floor 2 Room 22	2 sinks	OK	-	-
Floor 2 Room 23	2 sinks	OK	-	-
Floor 2 Lab	2 sinks	1 of them, drips water	Fix it	Miquel
Floor 2 Room 25	6 sinks	OK	-	-
Floor 2 Room 26	2 sinks	OK	-	-
Floor 2 Room 27	2 sinks	OK	-	-
Floor 2 Toilet 4B	4 sinks	OK	-	-
Floor 2 4B	2 sinks	OK	-	-
Floor 2 4A	2 sinks	OK	-	-

Our water audit

SULSONA

School water Audit

LOCATION	WATER FIXTURE	WATER ISSUES	WATER SAVING ACTION	PERSON RESPONSIBLE
Floor 3 Classroom 33	2 sinks	1 sink is OK 1 sink drips water	Fix it	Miquel
Floor 3 Classroom 32	2 sinks	OK	-	-
Floor 3 toilet 1	2 sinks	1 sink is OK 1 sink drips water	Fix it	Miquel
Floor 3 toilet 2	2 sinks	OK	-	-
Floor 3 toilet 3	1 sink ok	OK	-	-
Floor 3 toilet 4	1 sink ok	OK	-	-
Floor 3 classroom 1		OK	-	-

Additional comments:

Incidences

- In classroom 04, when the **faucet is opened**, the one **next to it is also starts working**.
- There are some faucets that **drip water**.
- There are some sinks **too high** for small children.



CONCLUSIONS



We spend 6,000 liters of water per day.



Everyone in school should have access to water



We have to make students and teachers aware that we use a lot of water and it has to decrease.



We have to check our water facilities regularly.

Actions in our school

We **shared our project** and ideas with other children in school.



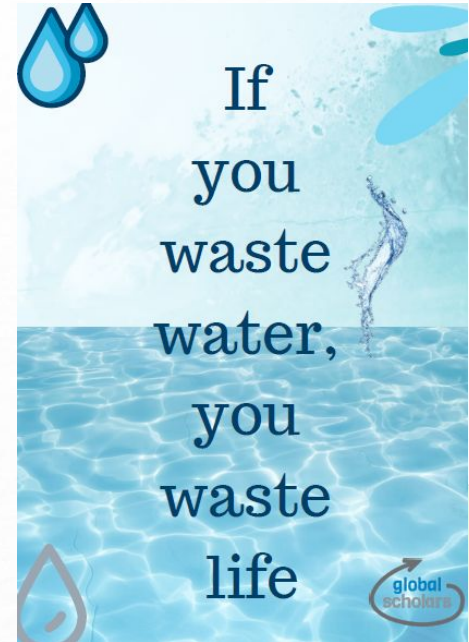
Actions in our school

EVERY
DROP IS
VALUABLE



We made posters to raise awareness about saving water.

Let's take care of
the planet and
the water.



Actions in our school

We put **stools** in the tallest sinks for **small children**.



Actions in our school

We asked the custodian **to fix the sinks** that weren't working properly.





Checking our improvements

Improvements: The water meter



We checked the water meter on a random day and realized that the water use in our school decreased by 1,000 liters in one day. That's an amazing saving!

Final conclusions

- We are **proud** of our work and effort.
- We have **become aware** that the amount of water we use in our school it's very high. Some of it is necessary, but some can be **reduced**.
- **Our actions** and ideas can make a difference.