

THE GREENBOOK OF SUSTAINABLE EUROPEAN TOWNS

IES LEOPOLDO QUEROL



Erasmus+ project "A Better Place to Live and Visit" 2021-2023
https://portal.edu.gva.es/iesleopoldo/proj_int/



THESE ARE SOME IDEAS TO MAKE OUR
TOWN A BETTER PLACE TO LIVE AND VISIT
WHICH ARE THE RESULT OF OBSERVATIONS AND
TEAMWORK OF STUDENTS
OF IES LEOPOLDO QUEROL, VINARÒS (SPAIN)
GYMNASIUM CELEANUM, ZWOLLE (THE NETHERLANDS)
AND LICEO FANTI, CARPI (ITALY)



MORE BIKING

We have noticed that here in Vinaròs the use of the bike is really low. Not many people choose their bikes as their main mean of transport to move around town. But why is that?



- Some cars drive really fast and exceed the speed limit, which makes it unsafe.
- There aren't a lot of biking lanes.
- Not many people know the rules concerning biking around town.



CARS DRIVE REALLY FAST

- Decrease speed limits
- Make it forbidden for cars to drive in the center of town
- Make tickets for not obeying the speed limit really expensive



THERE AREN'T A LOT OF BIKING LANES

- Make small lanes for bikers next to every road
- Make it easier for bikers to bike on roads cars are allowed on

NOT MANY PEOPLE KNOW THE RULES CONCERNING BIKING AROUND TOWN

- In the 5th year of primary school, when children are 9 or 10, introduce a biking exam.



- Children have to learn the rules concerning riding the bike and take a small test.
- Children have to drive around town, where teachers or parents who volunteered check if they are doing everything correctly.
- If they do both those things correctly they get a biking diploma, saying they are true bikers now.

Recycling

In the town "Soliera" near Carpi everyone does waste sorting and we are one of the first towns to completely remove street bins in Italy.

In the town Zwolle almost everyone sorts their waste in containers, which are getting picked up by a company called 'ROVA' which brings it to one place. On the streets there are just normal dustbins where people can throw anything in, so that is not sorted.

In Spain, almost everyone recycles and the streets are full of containers.



MORE CONTAINERS AND LESS TRASH



In Vinaròs, we have been noticing that in the promenade and on the beach there aren't as many trashbins as there should be. Our idea is to put more of them, especially in the busy areas of the town.

In addition, It's a good opportunity to implant the brown container for the organic waste that are in need in Vinaròs.



A NEW IDEA FOR A NEW TRASH BIN

In Carpi, the streets are full of this type of trash bins that are really comfortable for recycling. It could be a good idea to have some in Vinaròs as well.

REDUCE THE CUT OF TREES

First of all, cutting trees reduces the amount of oxygen in the air. By cutting the trees there will be less photosynthesis, and as a result, less oxygen. This is very harmful for the environment. Especially because nowadays CO₂ - emissions are very high and cause multiple nature problems.

In addition, cutting trees also disturbs the natural balance found in ecosystems, by removing the natural habitat of example, the bird species pecker, and many more.

Also, the trees help control the level of water in the atmosphere by helping to regulate the water cycle. In deforested areas, there is less water in the air to be returned to the soil. This then causes dryer soil and the inability to grow crops.



SOLUTIONS TO THE PROBLEM

- Make more natural parks where plants and trees can be planted. The plants will reduce the amount of CO₂ in the air by absorbing it. Natural places are a good place for people to visit, learn things about and respect the environment.
- Recycle and reuse the paper. It can always be used for new goals. This way, we can avoid the cut of trees.
- Plant a new tree for every tree that is being cut. By doing this, the amount of trees will be stabilised.
- Create a law for animal rights so that it won't be allowed to cut trees in which the animals build up their whole lives and the natural balance won't be disturbed.



USE LESS WATER IN THE SHOWER

On average, in Spain and Italy 132L and 220L of water respectively are used every day.
The Italians are the people who consume more drinking water in Europe.

SOLUTIONS

- Pushbutton system
- Improved pipes
- Detectors
- Use solid soap instead of liquid
- Flow limiter (timer) : we can reduce 30 - 60%

ADVICES

- Take showers instead of baths
- Do not leave taps open





RENEWABLE ENERGIES

The renewable energies such as the sun, wind, water, or biomass, make possible the production of energy in a sustainable and non-polluting way.

ADVANTAGES

- Combats climate change
- Natural resources are free and inexhaustible
- Reduces electricity costs

DISADVANTAGES

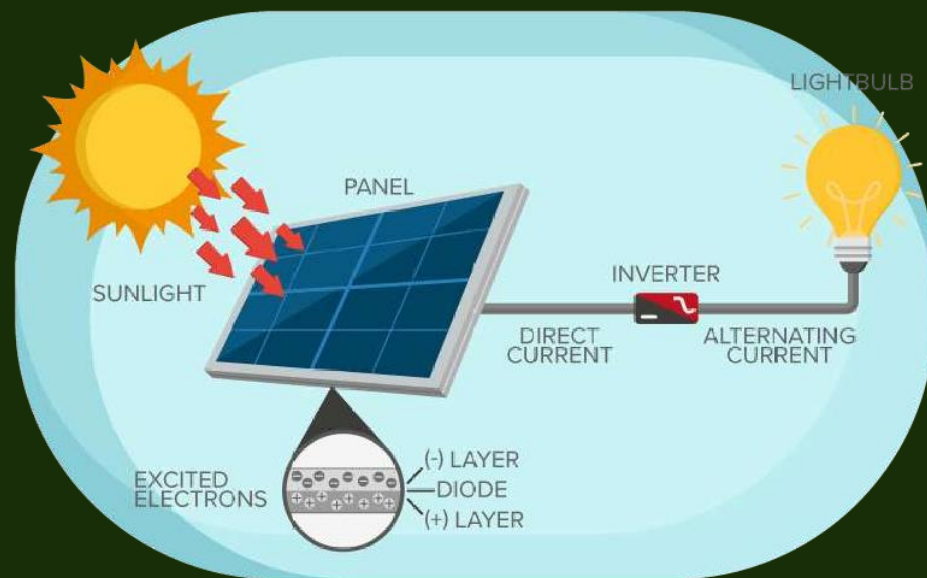
- Dependent upon the weather and other natural factors
- A lot of construction (turbines, solar panels...)



SOLAR PANELS

We would like to talk about the solar energy in specific because Vinaròs is generally such a sunny city. That makes solar energy an energy that we can benefit a lot.

How do solar panels work?



When the sun shines onto a solar panel, the energy from the sunlight is absorbed by PV cells in the panel. The absorbed energy is transformed into electricity.

These solar panels are normally made of aluminum and are made up of a set of solar cells which contain silicon.



SOLAR PANELS IN VINARÒS

Nowadays Vinaròs has several solar panels business and some people have already theirs at home.

Recently, the town hall has put new solar street lights in the north coast.

- 🌿 We should promote the use of solar energy in our city.
- 🌿 Invest in aid and grants so everyone can afford solar panels in their homes.



THANK YOU FOR FOLLOWING OUR ADVICE!
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