

CLIMATE CHANGE... IS IT FOR ME?

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ANTÍA FERNÁNDEZ | PILAR CASALS | NOELIA LÓPEZ



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CLIMATE CHANGE

WHAT IS CLIMATE CHANGE?

Climate change is defined by the The United Nations Framework Convention on Climate Change (UNFCCC) as **a change of climate which is attributed directly or indirectly to human activity** that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparable time periods.

Climate change is a result of human activity and is threatening our way of life and the future of the planet. Only by facing climate change we will be able to build a sustainable world for all.



GRETA THUNBERG

Swedish environmental activist known for challenging world leaders to take immediate action for climate change mitigation. Leader of the climate strike movement Fridays for Future.

Photography: Olivier Hoslet



13 CLIMATE ACTION



DID YOU KNOW THAT THE UNITED NATIONS ADOPTED THE 2030 AGENDA WITH 17 SDG TO BUILD A MORE FAIR, SUSTAINABLE AND EQUITABLE WORLD? ONE OF THEM (SGD 13) IS CLIMATE ACTION

CLIMATE CHANGE

CLICK ON T PROJECT

The Project responds to the urgent need to raise awareness on the environmental problems caused by the acceleration of climate change.

The European Community, which has always been sensitive to the problem, considers that the disinterest of adult population endangers the commitment that each of us should make to reduce CO2 emissions.

Click on T brings together 5 nations, Italy, Spain, Poland, Lithuania and Romania.



CLICK ON T

The name of the project (Climate Change Knowledge on Training) points out the problem of Earth, aiming at creating useful tools for educating adults with non-formal techniques and digital media. A word of mouth on environmental awareness that, thanks to the commitment of the partners of different countries, will spread among the adult population of our Europe.

CARBON FOOTPRINT

WHAT IS CARBON FOOTPRINT?

The Carbon Footprint of Organization is the **totality of greenhouse gases emitted, by direct or indirect effect**, through the activity that said organization develops.

The Carbon Footprint of Event is the totality of greenhouse gases emitted, by direct or indirect effect, during the event.

The Carbon Footprint of a Person is determined by the totality of greenhouse gases emitted, by direct or indirect effect, through a person's daily activities.

THE CARBON FOOTPRINT IS ONE OF THE MOST IMPORTANT INTERNATIONAL INDICATORS TO MEASURE THE EFFECTS OF HUMAN ACTIVITY ON CLIMATE CHANGE.



MY CARBON FOOTPRINT

ACTIVITY. CALCULATE YOUR CARBON FOOTPRINT.

Our carbon footprint is determined by all of our daily habits. From the time we wake up and turn on the light to the moment we choose to travel by car, bus or bicycle. These small decisions mark our contribution to climate change.

This activity will be focused on daily habits at home, specifically in terms of:

- **Electricity consumption.**
- **Heat consumption.**
- **Water consumption.**

You only need:

- Pencil or pen.
- Your household bills.
- Print these sheets or write this information in a notebook.

LET'S GO!



MY CARBON FOOTPRINT

ACTIVITY. CALCULATE YOUR CARBON FOOTPRINT.

ELECTRICITY CONSUMPTION

- Gather all your last year's electricity bills.
- Search your energy consumption in kWh for each month.
- Add up all the bills.
- Multiply the result by the factor 0.41 kgCO₂/kWh.



Month	Consumption kWh
JANUARY	
FEBRUARY	
MARCH	
APRIL	
MAY	
JUNE	
JULY	
AUGUST	
SEPTEMBER	
OCTOBER	
NOVEMBER	
DECEMBER	

If you do not know
how to interpret the
electricity bill, you can
find more information
[HERE](#)

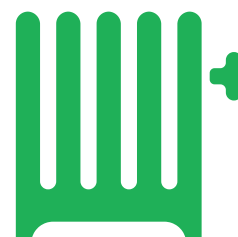
Annual Consumption kWh
GHG emissions (kgCO ₂)

MY CARBON FOOTPRINT

ACTIVITY. CALCULATE YOUR CARBON FOOTPRINT.

HEAT CONSUMPTION

- Used for the production of hot water and heating.
- You have to know the type of fuel you use in your home (natural gas, diesel, biomass ...)
- Gather your last year's bills to add up all of them and multiply by the specific fuel converter.



Month	Consumption (units)
JANUARY	
FEBRUARY	
MARCH	
APRIL	
MAY	
JUNE	
JULY	
AUGUST	
SEPTEMBER	
OCTOBER	
NOVEMBER	
DECEMBER	

Natural gas (kgCO ₂ /kWh)	0,202
Diesel C (kgCO ₂ /l)	2,868
Butane gas (kgCO ₂ /kg)	2,964
Propane gas (kgCO ₂ /kg)	2,938
Biomass	---

Annual Consumption (units)	
GHG emissions (kgCO ₂)	

MY CARBON FOOTPRINT

ACTIVITY. CALCULATE YOUR CARBON FOOTPRINT.

WATER CONSUMPTION

- Gather all your last year's water bills.
- Search your water consumption in m³ for each month (or every two months).
- Add up all the bills.
- Multiply the result by the factor 0.24 kgCO₂ / m³.



Month	Consumption (units)
JANUARY	
FEBRUARY	
MARCH	
APRIL	
MAY	
JUNE	
JULY	
AUGUST	
SEPTEMBER	
OCTOBER	
NOVEMBER	
DECEMBER	

Did you know that climate change, economic development and population growth will cause the global demand for water to exceed the available supply by 40% in 2030?

Mitigating the impacts of climate change and water scarcity will lead to adaptation projects in water governance, particularly in irrigation, the user with highest consumption.

Annual Consumption m ³
GHG emissions (kgCO ₂)

MY CARBON FOOTPRINT

ACTIVITY. CALCULATE YOUR CARBON FOOTPRINT.

CARBON FOOTPRINT

- Add up all GHG emissions from each consumption.
- Divide by the number of people who live with you at the same address.
- YOU KNOW NOW YOUR CARBON FOOTPRINT!

ITEM	GHG emissions (kgCO ₂)
Electricity Consumption	
Heat Consumption	
Water Consumption	

People living with you
Carbon Footprint (kgCO ₂ /person/year)

Which is the item with the highest emission? Why?

MY CARBON FOOTPRINT

FINAL THOUGHTS.

How can you
reduce your
carbon footprint?
Write down some
ideas

How coul your
school's carbon
footprint be
reduced?

LEARN MORE...

WHAT IS CLIMATE CHANGE?

[Video produced by National Geographic.](#)

ENERGY GIDE

[Guide edited by the IDAE \(Institute for Energy Diversification and Saving on energy consumption\) with many tips to reduce consumption.](#)

CLIMATE COMMUNITY

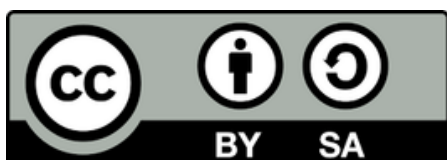
[#PorElClima was born to accelerate climate action in different sectors of society. One of the main objectives is bringing together the climate pioneers, those who are already fighting the climate crisis and reducing their emissions to achieve the goal of 1.5 and carbon neutrality by 2050.](#)

SDG 13. CLIMATE ACTION

[Video on SDG 13 CLIMATE ACTION produced by Unesco Centre Basque Country.](#)

The goal of 1.5°C aims not to exceed this increase in temperature by the end of the century.

**Antía Fernández, Pilar Casals, Noelia López. intheMOVE
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