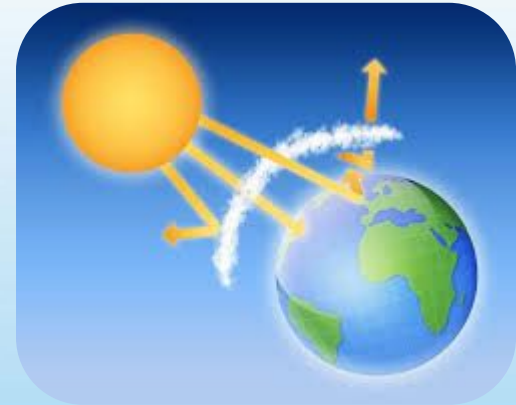


Climate changes in Italy

3C I.C. Cantù 1

Pellegrino Tibaldi



Introduction

With our class, we decided to make this presentation to tell you what we have studied about climate change. The goal, was to explain the climate problem of Italy to you. To do this we should start by reflecting on the causes of this change.



What Is Climate Change?

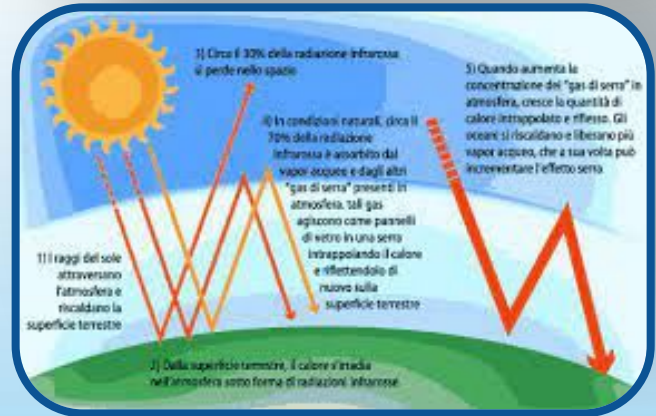
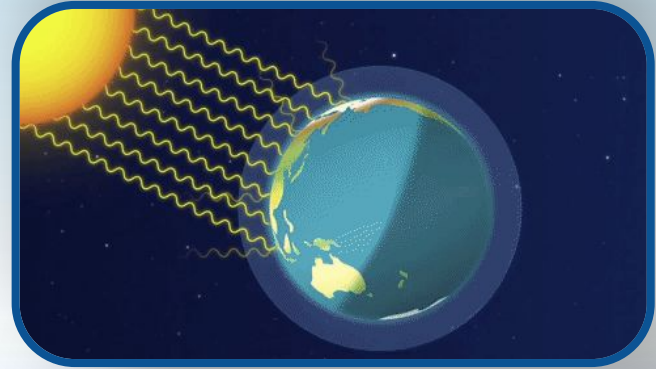


Climate change, or global warming is the process of our planet heating up. Scientists have observed that, since the **Industrial Revolution**, human activity has caused the Earth's surface to heat up by approximately 1°C. While that might not sound like much, that small rise in temperature has a big impact for people and wildlife around the globe.



What is the greenhouse effect?

The greenhouse is an event that happens when the gases in the atmosphere are trapped by the sun. The gases from this process are released into the atmosphere and act like an invisible blanket, trapping heat from the sun and warming the Earth.



Atmospheric events in Italy



We would like to tell you about some extreme climatic events that we're seeing in Italy in recent years due to the climate changes. In fact, you might think that Italy is the country of good weather with a mild climate with always pleasant temperatures and sunny days.

But it's not always like that.



North of Italy

Last summer In northern Italy, the temperatures got to 38°C and it was one of the hottest years since the 1800's

Almost at the same time there was a very extreme hailstorm in our city (Cantù) that damaged a lot of buildings and flooded the streets of the city.



Emilia Romagna Floods

A series of floods hit the cities of [Bologna](#), [Cesena](#), [Forlì](#), [Faenza](#), [Ravenna](#), and [Rimini](#), in the [Emilia-Romagna](#) region of Italy. The first floods occurred between 2 and 3 May 2023, killing two people. More severe floods took place on 16–17 May 2023, killing at least 15 people and displacing 50,000 others.

The same amount of rain which usually falls in seven months fell in two weeks, causing the overflow of twenty-three rivers across the region. In some areas, almost half the annual average of rain fell in only 36 hours.



South of Italy

Even southern Italy, although it might seem strange, is increasingly affected by extreme bad weather such as floods and very strong storms that cause damage to buildings and people.

For example in Puglia in the last 12 years there have been a lot of extreme events, caused by climate changes, which have affected the region.

Some of the most important events include the flooding of the Fiera del Levante area and in Via Rotella due to heavy rain, with the closure of an underpass.

Also very famous was the whirlwind that hit Torre a Mare, overturned boats and also damaging the terraces of some bars and restaurants in the port square.



10 January 2022



11 July 2019

Southern Italy is also often hit by fires that devastated forests and homes and often forced people to evacuate entire areas. A recent fire occurred on 7 August 2023: the North-East and South of the island were burned by very high flames that had been pushed by the strong wind.

Houses and farmhouses were abandoned, residents took to the streets and hectares of countryside were destroyed.



We don't have a Planet B

Now we would like to give you some advice on how to reduce your carbon footprint in order to reduce the damages caused by the greenhouse effect. We must understand that there is no planet b and we need to think about what we can do as a community to protect our home.



Things you can do:

Choose green and renewable energy.

Choose public transport or opt for green and electric mobility.

Reduce waste of electricity.

Recycle correctly.

Use organic cleaning products.

Use long-lasting bulbs.



THANK YOU FOR YOUR ATTENTION

