

AIR POLLUTION

A European green goal: clean energy and environmental sustainability against climate change




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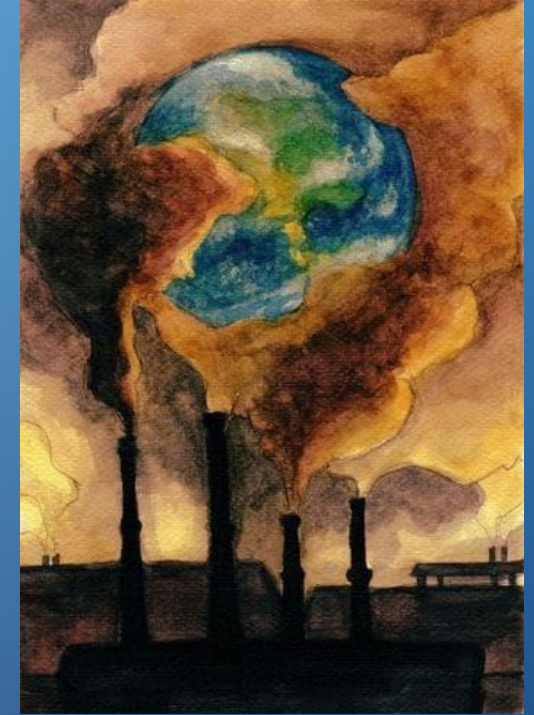
The background is a solid blue color. In the four corners, there are decorative white line-art patterns that resemble circuit traces or a stylized network. These patterns consist of thin lines connecting small circles, some of which are larger than others, creating a sense of connectivity and technology.

Today, pollution is really
a big problem that
increasingly threatens
man and our planet.

Pollution is an alteration, caused by humans, of the biological, physical, chemical and radioactive property of environment.



Air pollution is caused by solid and liquid and some harmful gases in the air.

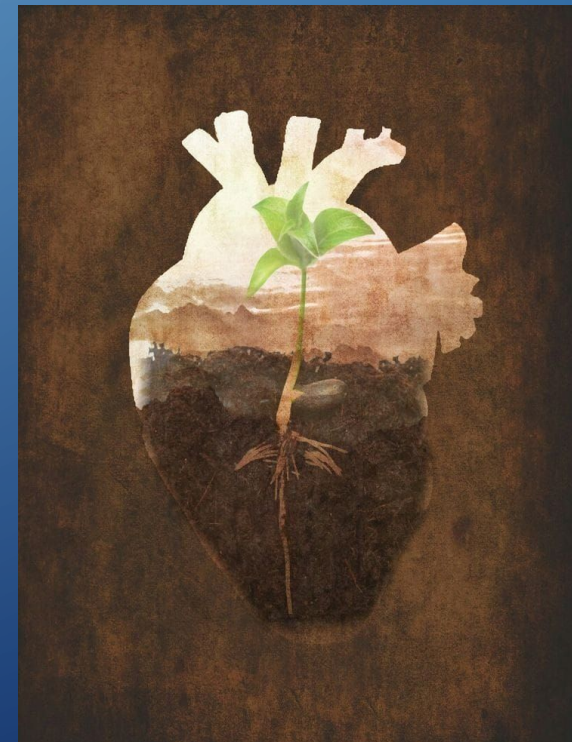


Some of these gases (called greenhouse gases) trap the Sun's heat, causing an increase in Earth's temperature. This is known as GLOBAL WARMING.

“BE A PART OF SOLUTION NOT A PART OF POLLUTION”



«A silent massacre»



JUNE 5

World Environment Day cannot take place without everybody's participation. Each year, thousands of cities, schools, non-governmental organizations, businesses and groups organize creative and fun events to inspire further action.

For this year's World Environment Day, Environment will be calling on everyone, everywhere to come together to beat Air Pollution, which is now the biggest public health crisis on the planet.



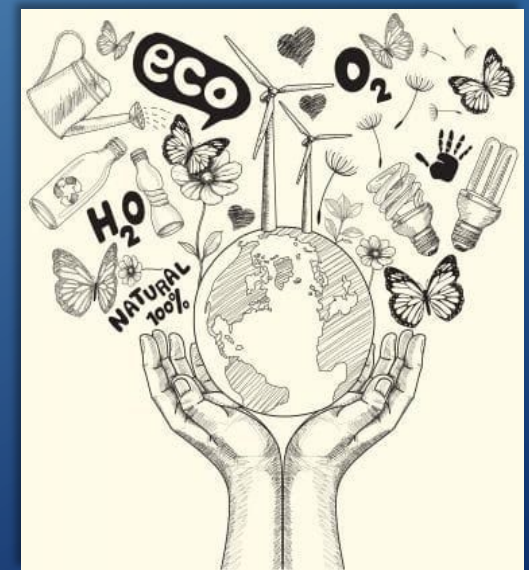
In Italy every year 50,000 people die for harmful gases and light powders emitted by cars and factories. It is among the worst countries in Europe for pollution.





To reduce pollution we should buy products without CFC, drive electric cars, use public transports or bikes.

EARTH IS NOT OUR ASHTRAY



AIR POLLUTION AND HUMANS

As activists say, our planet is in danger because of climate change and pollution. We see the results all around us. There are a lot of societies which defend environment from human activity and disasters. One of them is **Greenpeace**, which wrote a really short and understandable text about air pollution



We have absolutely no time, we have to change now!

“Our cities are suffocating from smog. And our lungs pay the consequences. One of the main culprits of this situation is the nitrogen dioxide (NO₂) emitted by means of transport and, in particular, by diesel cars.



As kids and teenagers, we want an ealthy world for our future, we know the problems so why don't we try to fix them with little things?



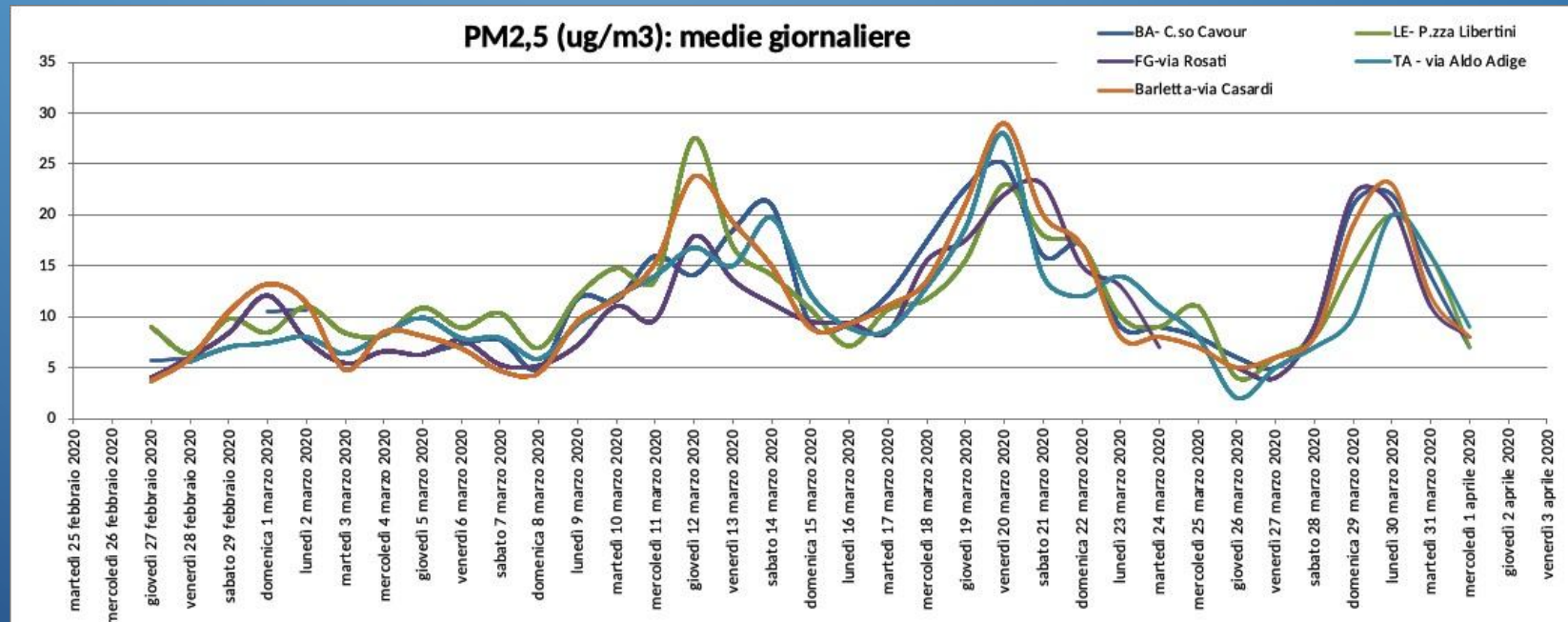
The most affected are mainly children and pregnant women. It's time to revolutionize our cities, which will have to be designed for people and not cars. They will have to have more green areas, more spaces for socializing, efficient public transport, infrastructures for pedestrian and cycling mobility. They will be cities with less smog, fewer parking spaces, healthier and free citizens.

POLLUTION IN PUGLIA

The latest study about the state of environment carried out by the ARPA, highlights that Puglia is still one of the region with the highest industrial emission in Italy, despite the standards on air quality (for example dioxin) are more stringent than in the rest of the country

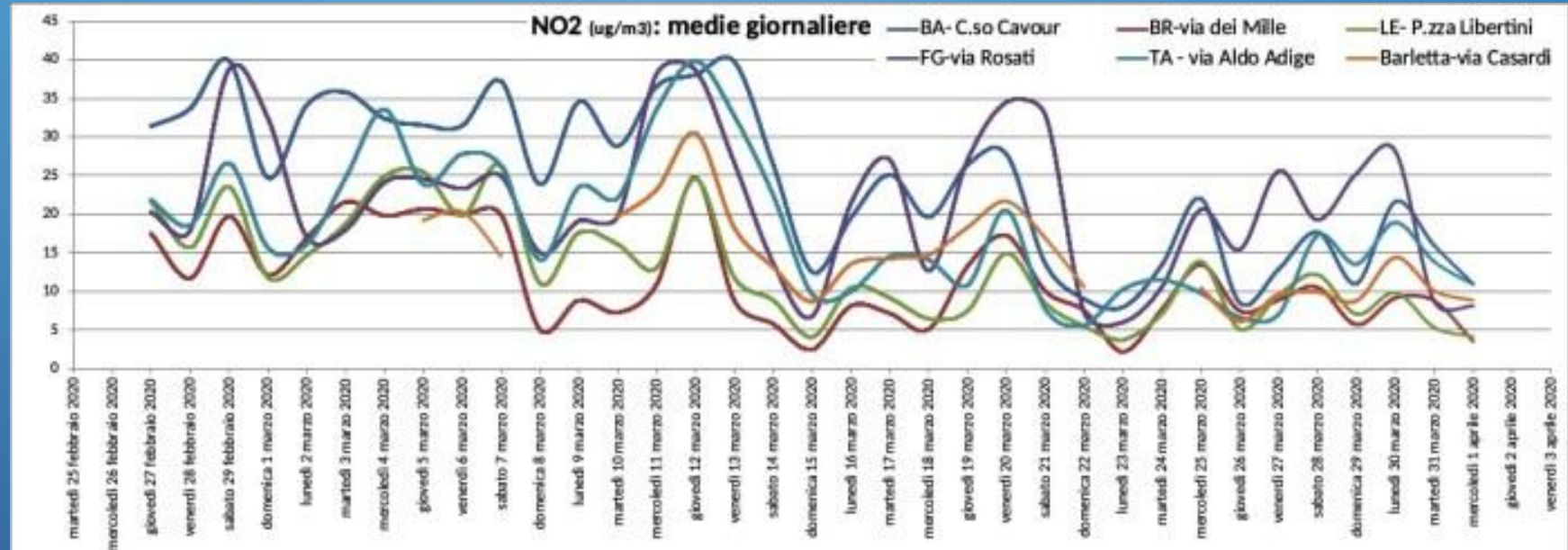


Air quality in Puglia in conjunction with the CoViD-19 emergency



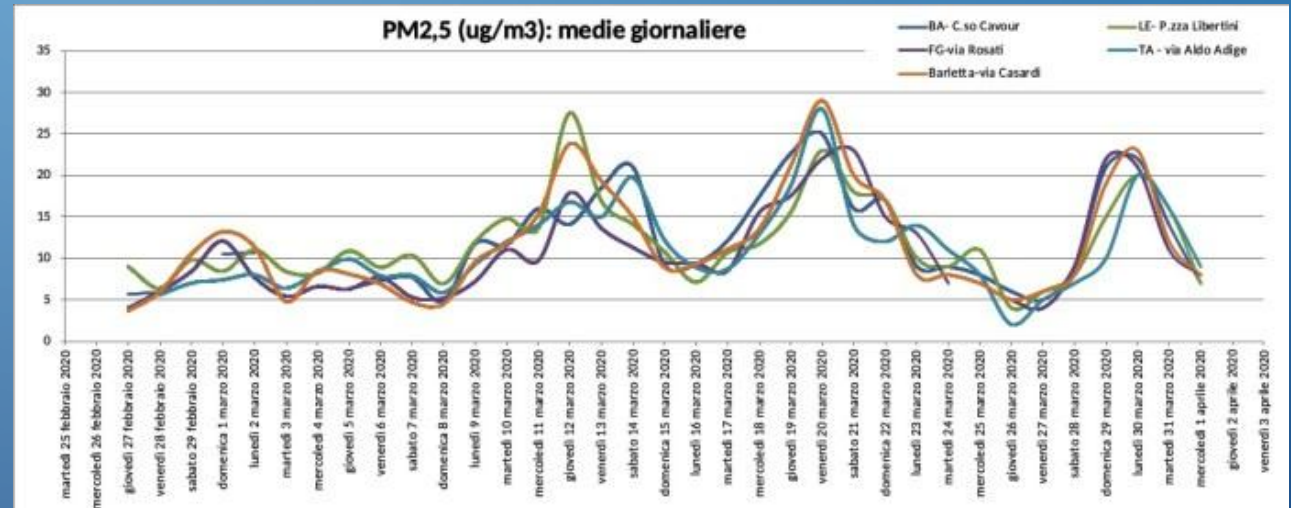
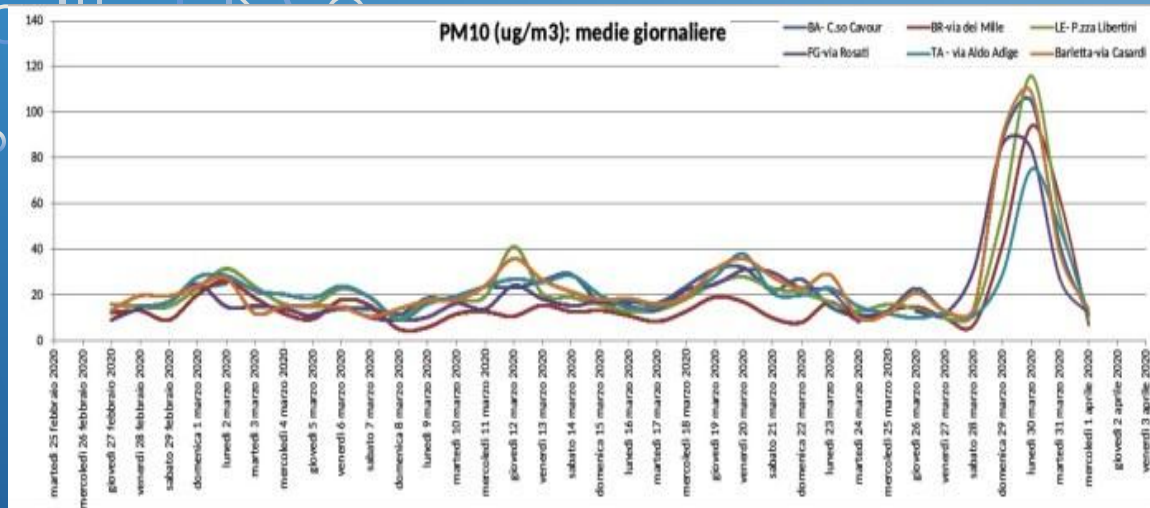
The Regional Air Center of ARPA Puglia is constantly following the trend of air quality levels, in conjunction with the COVID-19 emergency.

Nitrogen dioxide (NO2)



The concentration of nitrogen dioxide is notoriously linked to vehicle traffic emissions. From the study conducted, a clear and general decrease in NO2 emerges, in conjunction with the restrictive measures.

Powders (PM10 - PM2.5)



Unlike for NO₂, for PM₁₀ and PM_{2.5} it appears less simple to identify a trend towards such a clear correlation between decreases in recorded concentrations and mobility restrictions introduced with the COVID-19 emergency. These pollutants in fact depend on many variables (meteorological conditions, advections of desert dust, etc). A striking example of this dependence are the exceeding of the daily legal limit of PM₁₀, recorded in the last days of March, in full implementation of the restrictive measures and due to desert dust advections, presumably from the Caspian Sea region.

CONSEQUENCES OF AIR POLLUTION



ILVA was born in 1968 and it was the biggest steel factory in Europe. For decades, the population of **Taranto**, and especially people residing in areas close to the industrial area, have been exposed to high concentrations of PM10, PM2.5 and benzo (a) pyrene. One of the long-term risks is the increase in cancer patients.

With the Legislative Decree 155 of 2010 the air quality in Taranto has undergone a significant improvement.





These pictures represent hope and the possibility to change.



But we have to do something now if we don't want to get to a point of no return.

“HOW IS IT POSSIBLE THAT THE MOST INTELLECTUAL
CREATURE TO EVER WALK THE PLANET EARTH IS
DESTROYING ITS ONLY HOME ?”

Jane Goodall

