

TRANSPORT POLLUTION

Germany, May 2022

A dark blue diagonal graphic that starts from the bottom left corner and extends towards the top right corner, covering the lower half of the slide.

Carbon pollution from transports

Burning fossil fuels like gasoline and diesel releases carbon dioxide, into the atmosphere.

The buildup of greenhouse gases is causing the Earth's atmosphere to warm, resulting in changes to the climate we are already starting to see today.

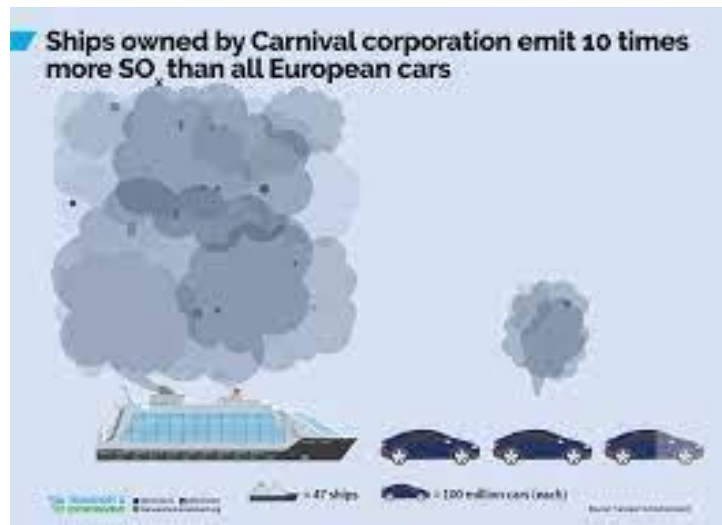
Global emission

Transportation is still responsible for 24% of direct CO2 emissions from fuel combustion.

Three quarter of it is caused by road vehicles. Aviation is responsible for 12% of CO2 emissions from all transports sources and together with shipping continue to rise too.

As a consequence of global lockdown measures due to the Covid-19 crisis, road transport in regions with lockdowns in place dropped between 50% and 75%.

In fact, the global COVID-19 lockdowns caused fossil CO2 emissions to decline by an estimated 2.4 billion tonnes in 2020.



Consequences of air pollution

Transport is responsible for air pollution (more in cities), that **ruin human health and environment**. It has also a serious impact on the **landscape** with serious consequences for animals and plants.

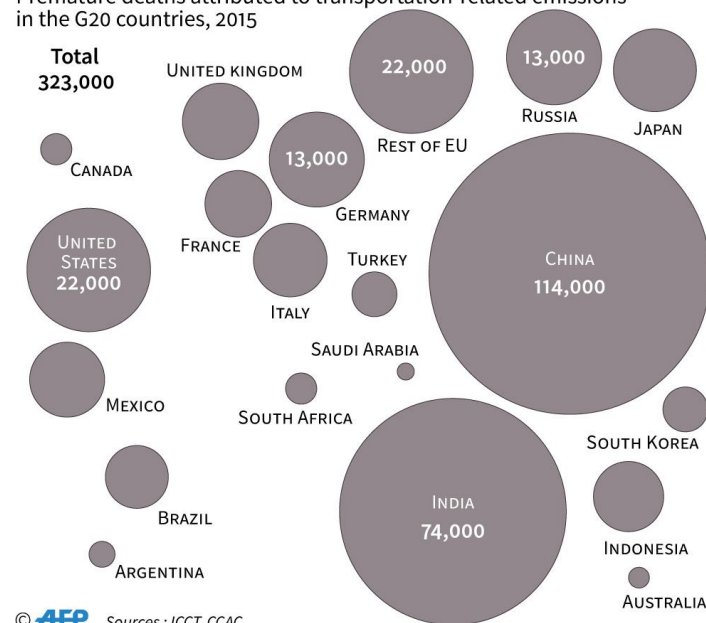
Reducing the adverse effects of transport is an important **EU policy goal**.

Main solutions:

- Shifting transports to the least polluting and most efficient modes
- Create more sustainable transport technologies, fuels and infrastructure
- Transport prices fully reflect adverse environment and health impacts.

Deaths linked to transport pollution

Premature deaths attributed to transportation-related emissions in the G20 countries, 2015



Carbon pollution in Italy

The transport sector in Italy is in line with the EU average:

- ❖ Responsible for 25% of greenhouse gas emissions
- ❖ 92.6% produced by road transport.



REFERENCE

Information taken from:

- IEA (INTERNATIONAL ENERGY AGENCY)
- AIR TRANSPORT ACTION GROUP (ATAG)
- THE GUARDIAN
- GREEN SPACE