

ALL CHALLENGES

 Consumption / Transport & tourism / Cars produced

17,251,566

Cars produced

IN THE WORLD, THIS YEAR

SOURCES

IN 2022

THIS MONTH

THIS WEEK

TODAY

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**67 million cars are
produced a year. If all
vehicles are counted,**

92 million

Cars impact on the environment

The transport sector is one of the largest sources of CO2 emissions and a major source of air pollution.

Two new vehicles enter the roads every single second. By 2030 it will be more than four.

By 2030, an estimated 127 million vehicles will be produced globally. By 2035, the total number of vehicles could be 2 billion.

The environmental impact of cars will depend on how effectively we move towards electrified cars (and more fuel efficient cars but that's not a long term solution).

Cars are a heavy CO2 emitter and air polluter

The transport sector burns most of the world's petroleum and is one of the largest sources of global greenhouse gas emissions. It's also heavy on air pollution. cars are a major contributor to air pollution producing significant amounts of nitrogen oxides, carbon monoxide, and particulate matter.

80-90% of cars' environmental impact comes from fuel consumption and emissions of air pollution and greenhouse gases.

Particulate matter in the air alone is responsible for up to 30,000 premature deaths every year.

We can do better than that

A century ago, Ford Motor Company's Model T got better gas mileage than many cars that we see on the roads today. The Ford T averaged up to 9 km/l (21 mpg) while the average today is around

We need to move away from fossil fuelled cars

Electric vehicles can reduce GHG emissions by half in 2030 compared to fossil fuel driven cars, offsetting up to 540 Megatons of CO2-equivalents. Electrified cars also significantly reduce air pollution.

Electrified cars made up just 0.4% of the cars on the road in 2018. By 2030, the share of electrified vehicles of new sales could be as high as 50%. But it could also be only 10%. It will depend on incentives for producers and consumers such as tax breaks for clean electricity, taxation of CO2-emissions, elimination of fossil fuel subsidies and so on.

Some countries have made major progress on the use of electrified cars. In Norway, 56% of new cars sold in 2019 were electric (fully or plug-in hybrids).

Mmmmm...

You know that new car smell? It's really phthalates off-gassing from the plastic in the car.

The good news

Cars are also one of the most recycled products in the world - about 85 percent of all the materials are reused. Other industries could learn much from this.



11,072,809,743

Tons of CO2 emitted into the atmosphere

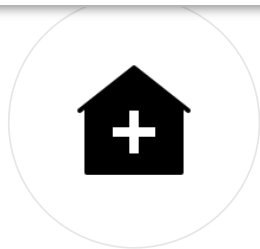
Globally, this year

IN 2022

THIS MONTH

THIS WEEK

TODAY



26,487,832

Years of healthy life lost from air pollution

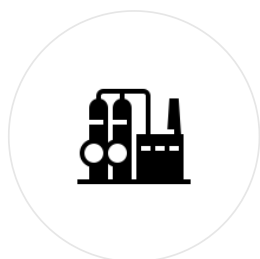
GLOBALLY, THIS YEAR

IN 2022

THIS MONTH

THIS WEEK

TODAY



1,510,654.45

Tons of phthalates produced

WORLDWIDE, THIS YEAR

IN 2022

THIS MONTH

THIS WEEK

TODAY



989,098,952,760

Terajoules of solar energy striking Earth

GLOBALLY THIS YEAR

IN 2022

THIS MONTH

THIS WEEK

TODAY

Sources

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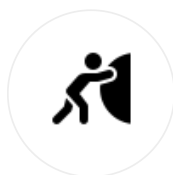


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Never before has our planet, and we as a people, stood before the number and scale of man-made challenges than we do today. Real change is needed. Not just from politicians and businesses - but from all of us. Without understanding the situation, and without developing a deeper awareness about the lives we are living - and the consequences it has - such changes are unlikely to occur. TheWorldCounts was created with a modest hope that it may contribute to such awakening.



Global Challenges

If you compare Earth's history to a calendar year then we (humans) have only have existed for about 37 minutes - and we have used 33% of Earth's entire natural resources in the last 0.2 seconds!



Happiness & Purpose

Our focus on consumption and material wealth makes sense if it leads to happiness and a sense of purpose. Yet, evidence shows that materialistic values are linked to low well-being across cultures and social groups.

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