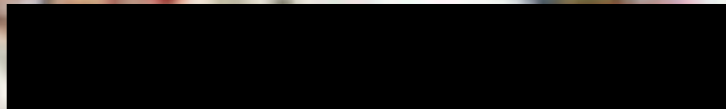


A photograph of a busy city street with a traffic jam. In the foreground, the rear of a white car is visible, showing its taillight and side mirror. In the middle ground, a yellow taxi is prominent. The background is filled with other cars and a city skyline with tall buildings under a clear sky. The text "Individual cars as transportation" is overlaid in the center of the image.

Individual cars as transportation



- It is increasingly evident that the increasing consumption of fossil fuels worldwide is currently the main responsible for air pollution throughout the planet and, as a consequence, the alterations of the climate by greenhouse gas emissions and the increase in respiratory problems in the population.





- Some companies are giving financial incentives to reduce the use of workers' vehicles to travel to and from their workplaces.
- These measures undoubtedly have a triple impact at the environmental, socioeconomic, and also health levels.

- One of the major pollutants is carbon dioxide, one of its main sources being cars with internal combustion engines powered by gasoline or diesel.
- Recently, research began on a new fuel which benefits the planet and all of us who live on it. This fuel is hydrogen.



- Hydrogen sources. Hydrogen is an abundant gas in the universe present in molecular form. However obtaining it is not easy, it requires some chemical reactions. Natural gas is the compound most used to generate hydrogen, transforming it at a high temperature using water vapor and catalysts.





- Using hydrogen sources we could generate an impressive change and there would be fewer environmental problems affecting our health and that of the planet.

- HYDROGEN

- *Pros*

- • Most abundant chemical element in the universe
- • Energy security by reducing oil imports
- • Sustainability through the use of renewable energy sources
- • Less pollution and better urban air quality
- • It has high energy content per unit mass compared to oil



- *Cons*

It has no consequences since it is renewable

- The solution for the moment we can use public transport to move and even go on foot if our destination is close

