

Nuclear Power and Climate Change

1

Why does climate change take place?

It is mainly the result of the action of greenhouse effect gases:

CO₂

CH₄

N₂O



Climate change is the global variation of Earth's climate due to natural and human action.

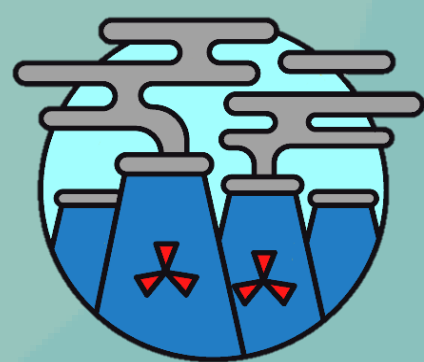


QUIZ

2

Nuclear power to mitigate it

Nuclear power does not release CO₂ to the atmosphere. What you see coming out of the cooling tower is **water steam**.



Thanks to nuclear power, the following emissions are prevented:



45-55 million



700 million



2.000 million

Equivalent tons of CO₂

This is equal to removing **400 million cars** from circulation



4

Meets the growing demand for non-emissions energy

Contributes to the reduction of global emissions, meeting the energy demands of a growing population.



35%

of clean energy produced in Spain



5

Nuclear power is necessary to comply with climate commitments

Various international organizations agree that nuclear power is part of the solution to put a stop to nuclear climate.



6

Nuclear technology to measure its impact

Isotopic techniques collect data to analyse the sources of emissions of greenhouse gases and understand their relationship with the changes happening in:



Earth



Oceans



Atmosphere

3

Committed to SDGs

The 2030 Agenda for Sustainable Development lists 15 goals that nuclear technology contributes to.

3 GOOD HEALTH AND WELL-BEING



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



12 PRODUCCIÓN Y CONSUMO RESPONSABLES



13 CLIMATE ACTION

