

Country : **GERMANY**
AGENDAITEM : **THE ROLE OF GERMANY'S TECHNOLOGY IN
COMBATING THE CLIMATE CRISIS**

GERMANY is located in Central Europe. It borders The Baltic Sea and The North Sea to the North; Netherland, Belgium, Luxembourg and France to the West ; Poland and Czech Republic to the East and Switzerland and Austria to the South. Germany's population according to 2025 (Two thousand twenty five) data is 84 (Eighty four) million people.

Climate change and crisis has been one of the most important problem for us of this century, and it requires global action and solutions. With the development of technology. it has become a critical tool adapting to its impacts. Such as renewable energy, carbon capture, artificial intelligence, and smart infrastructure, play a role in mitigating green house gas emissions, fostering climate resilience, and promoting energy transitions will solves and reduces the problem.

Germany is one of Europe's most ambitious countries in climate policy and, through its Energiewende (Energy Turn) strategy, it aims to shift away from fossil fuels and accelerate the adoption of clean energy. Renewable energy and of course technology is Germany's strongest tool in its climate efforts and have many solutions. Germany continues to increase the share of wind and solar power in its electricity production. They build large offshore wind farms in the North Sea and Baltic Sea and high-efficiency wind turbines. Studying advanced solar panel production. Germany targets shutting down coal plants by the 2030s through one of the world's most ambitious exit programs. Energy Return policy reduces carbon emissions and attracts investment in new energy technologies. Germany leads the EU in climate legislation, carbon pricing and energy efficiency standards. Transport solutions such as optimized public transport and electric buses that Germany is one of Europe's largest battery manufacturing hubs for electric vehicles. Charging infrastructure is rapidly expanding. They start to use hydrogen energy, especially green hydrogen.

REFERENCES :

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