



Unearthing the Environmental Impact of Human Activity: A Global CO₂ Emission Analysis :

SPECIFY THE BUSINESS PROBLEM

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01. INTRODUCTION:

Global warming is one of the biggest challenges currently being faced by the human race, although correlation is not causation, a likely cause of global warming is due to increased atmospheric carbon dioxide from human activities. CO₂ Emission refers to the Carbon Dioxide emitted throughout the world. Fossil fuel use is the primary source of CO₂. In this analysis we can specify the business problem caused by CO₂ emissions.

02. CO₂ Emission

The carbon (and oxygen) in CO₂ can be used as an alternative to fossil fuels in the production of chemicals, including plastics, fibres and synthetic rubber. As with CO₂-derived fuels, converting CO₂ to methanol and methane is the most technologically mature pathway.

03. Direct Emission:

Direct emissions are produced by burning fuel for power or heat, through chemical reactions, and from leaks from industrial processes or equipment. Most direct emissions come from the consumption of fossil fuels for energy. A smaller amount of direct emissions, roughly one third, come from leaks from natural gas and petroleum systems, the use of fuels in production.

04. Indirect Emission:

Indirect emissions are produced by burning fossil fuel at a power plant to make electricity, which is then used by an industrial facility to power industrial buildings and machinery.

05. Business Problem Caused By CO₂ Emission:

1. Economic Impact

CO₂ emission causes a global warming. Warmer temperatures can cause economic losses for a country through many pathways, such as

lowering agricultural yields, reducing labor productivity, and decreasing industrial output.

2. Climate Change

Carbon dioxide (CO₂) is an important heat-trapping gas, or greenhouse gas, that comes from the extraction and burning of fossil fuels (such as coal, oil, and natural gas), from wildfires, and from natural processes like volcanic eruptions.

Carbon dioxide in the atmosphere warms the planet, causing climate change. Human activities have raised the atmosphere's carbon dioxide content by 50% in less than 200 years.

3. Environmental Effects

Climate change causes many pollution and more problems. Air pollutants are substances that adversely affect the environment by interfering with climate, the physiology of plants, animal species, entire ecosystems, as well as with human property in the form of agricultural crops or man-made structures.