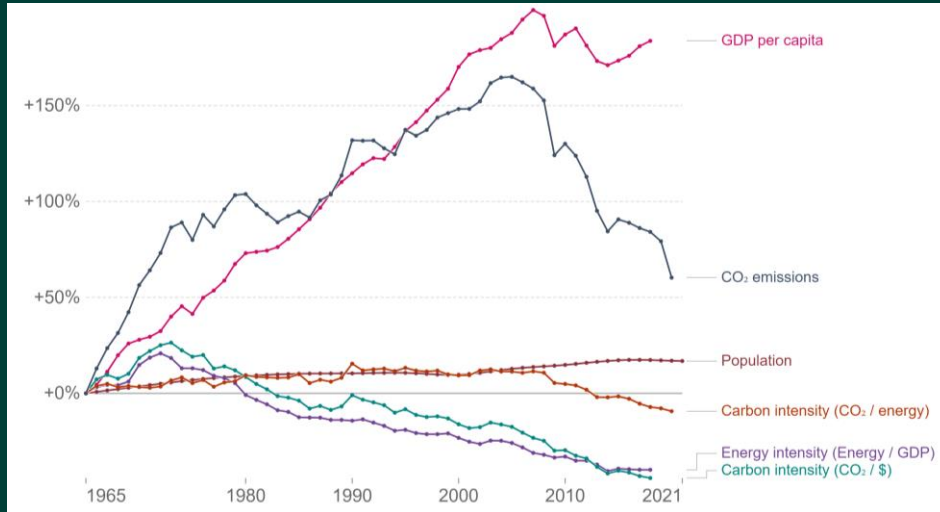


WHAT IS THE DRIVING FORCE TO CLIMATE CHANGE?

The evolution of «Kaya Equation» in Italy | Global Carbon Project



- In 1993, Japanese economist Yoichi Kaya developed the «**Kaya Equation**», which traces the **growth of CO₂ emissions back to four factors**: population, GDP per capita, energy intensity (the ratio of energy to GDP) and carbon emissions (CO₂ emissions per unit of energy).
- If we look at the components of Kaya's equation for different countries, **it is evident that the most crucial variable is GDP per capita.**
- **In Italy**, for example, from 1960 to 2008, **GDP per capita has grown by +200% and emissions by +170%**. In contrast, all other factors considered in Kaya's equation have decreased.

Global warming is the result of an interconnected system of governments, corporations and individuals who have financed their economic growth by exploiting every available resource, without caring about either the **long-term damage** done to the environment or the **possible consequences on neighboring less developed countries.**

We need to work on **collective solutions** with an **holistic and inclusive approach** and I'm looking forward to take a stand into promoting a **fair energy transition.**