



Global CO₂ Emissions , Relevant trendlines and Detrimental Effects

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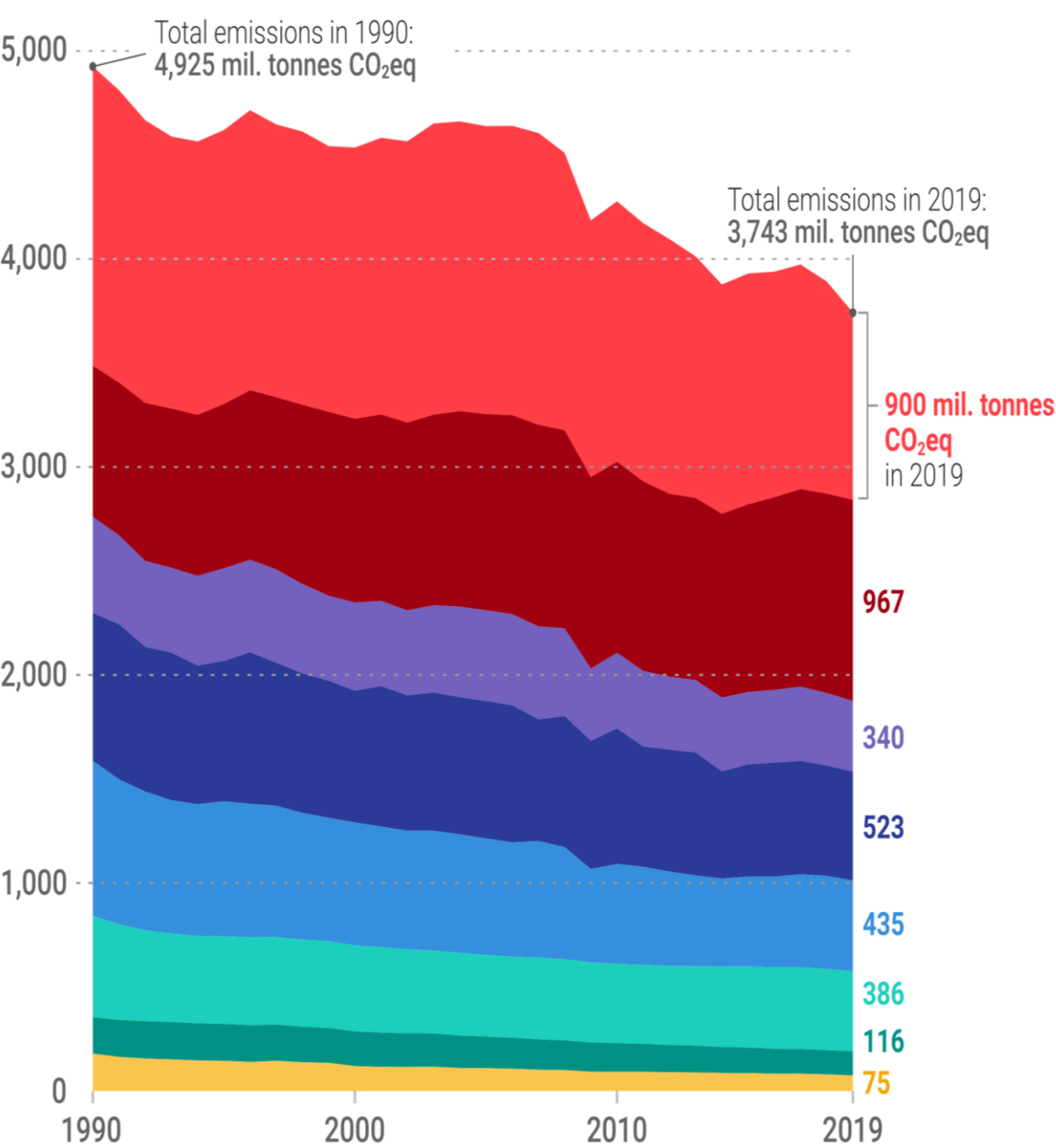
Introduction

In the years 2023-2024, **Global CO₂ emissions** are still following an **upwards trend** despite continued advances in **renewable energy**. Significant measures have been taken **worldwide** like the ongoing **Paris Agreement** (est.2015) which aimed to primarily prevent a global warming **increase** of a **projected 2°C**, This can only be achieved by all Attending countries pledging to **Reduce Greenhouse Gas Emissions** Over a span of **45 years** (2050). The **United Kingdom (UK)** has **aims** to have to have enough clean power to meet its annual electricity **demand** by **2030**. This technical poster aims to detail the **Rate of increase** in Carbon emissions and individual sectors within the **EU**. such as:

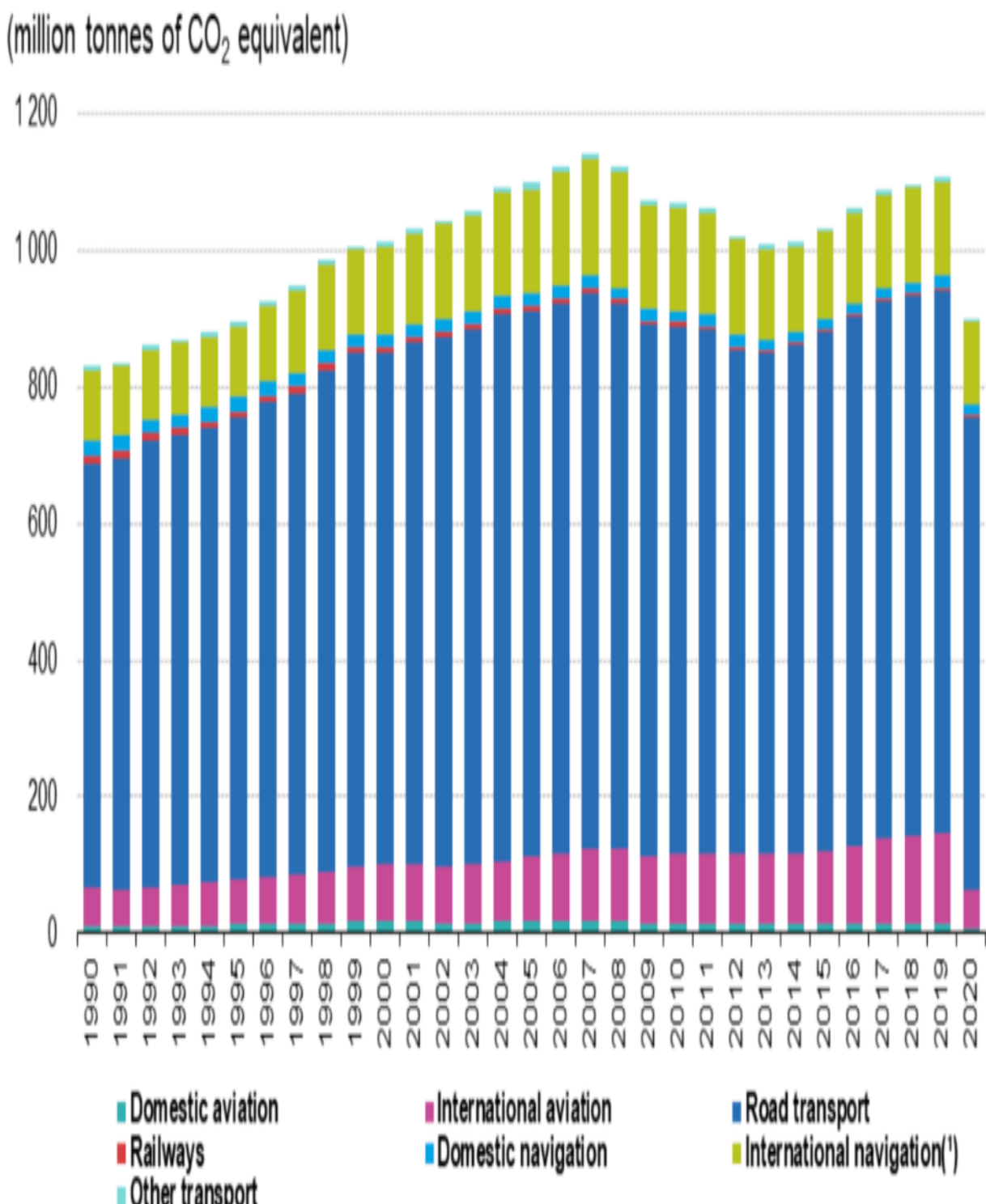
- Transportation
- Agriculture
- Waste & Disposal Treatment
- Combustion & Construction (Industrial Sectors)
- Industrial Processes
- Energy Production
- Combustion in Household Goods and Agriculture
- Other

CO₂ Emissions from EU (1990-2019)

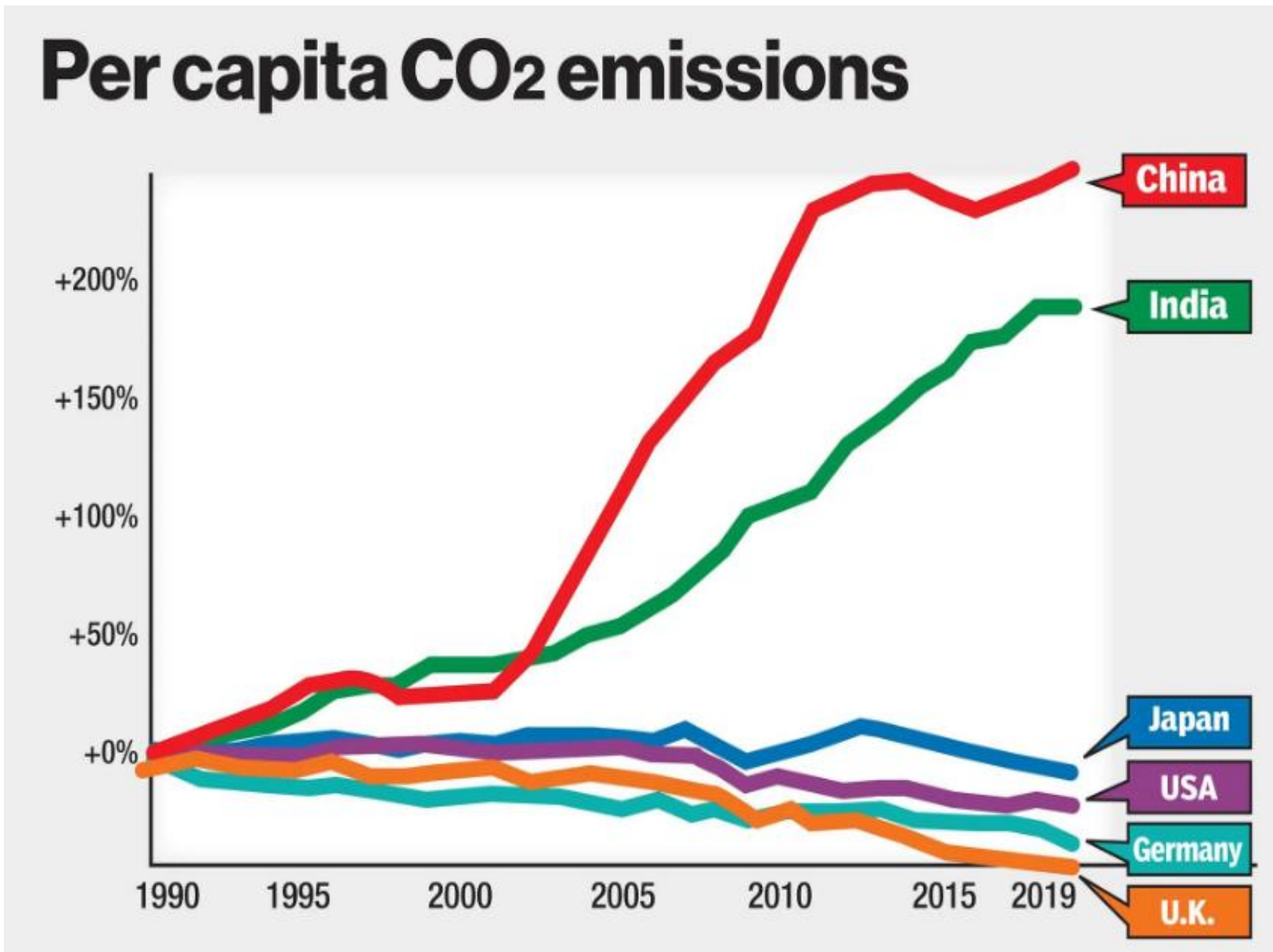
TOTAL EMISSIONS TREND IN 1990-2019



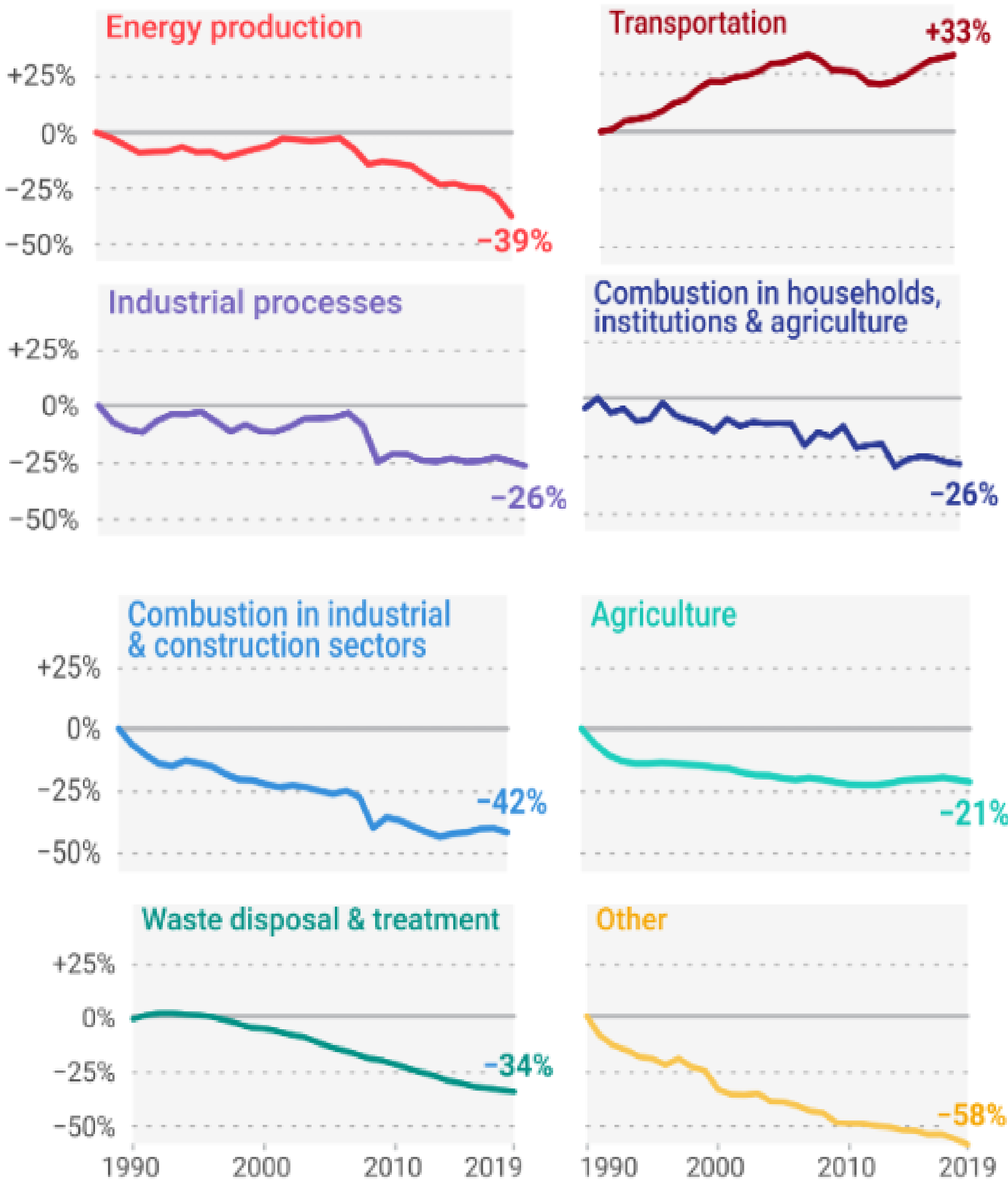
EU Emissions have cut down Greenhouse Gasses everywhere (24% since 1990) except Transport



China Makes up one-quarter of Carbon Emissions Annually, with India Trailing not far behind



Further Breakdown of Individual Sectors pertaining to EU Emissions since 1990 (includes only EU-27)



Conclusion

These sets of Graphical data reveal a Critical imbalance regarding the fight against Climate change. Due to China’s current political climate, it is unlikely any reductions will be taken to mitigate the significant undercutting China is partaking in. This is a clear case of the EU moving 2 steps forward with China and India taking 3 steps backward.

Another damning factor contributing to this effect, is Net-zero Pledges. While Politically popular, often delay any real action from taking place. This is due to them being more of a “in the future we will ...” target, as opposed to the very much needed affirmative and immediate action right now to help offset the negative impacts that China and India are imposing upon our planet.

References

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Igini, M. 2024. EU Carbon Emissions In 2023 hit 60-year low amid clean energy expansion.