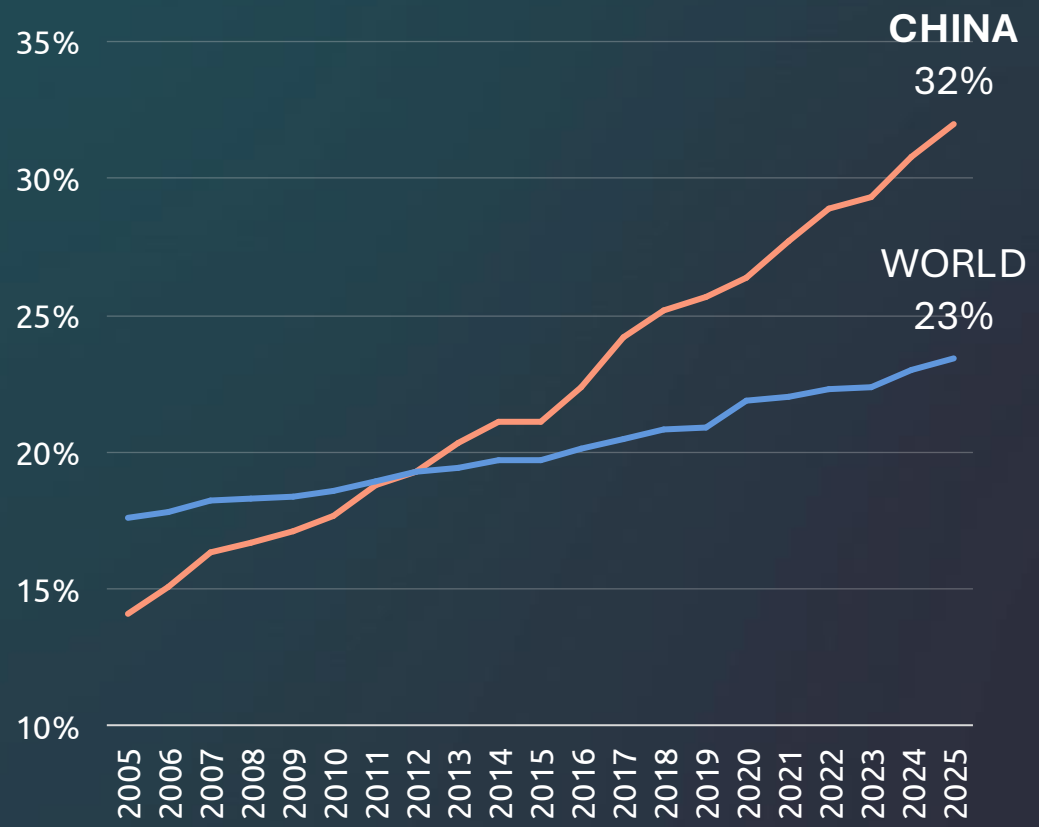

I4C Italy for Climate
STATI GENERALI della Green Economy
CHINA
The green industrial leader
insightCOP31

Electrification rate



**Electrification rate = share of electricity over total final energy consumption*

GOOD NEWS

32% electrification rate* in 2025: China will soon reach the *35-by-35* goal proposed at COP31

80% of solar panels, 60% of wind turbines and 50% of EVs are produced in China.

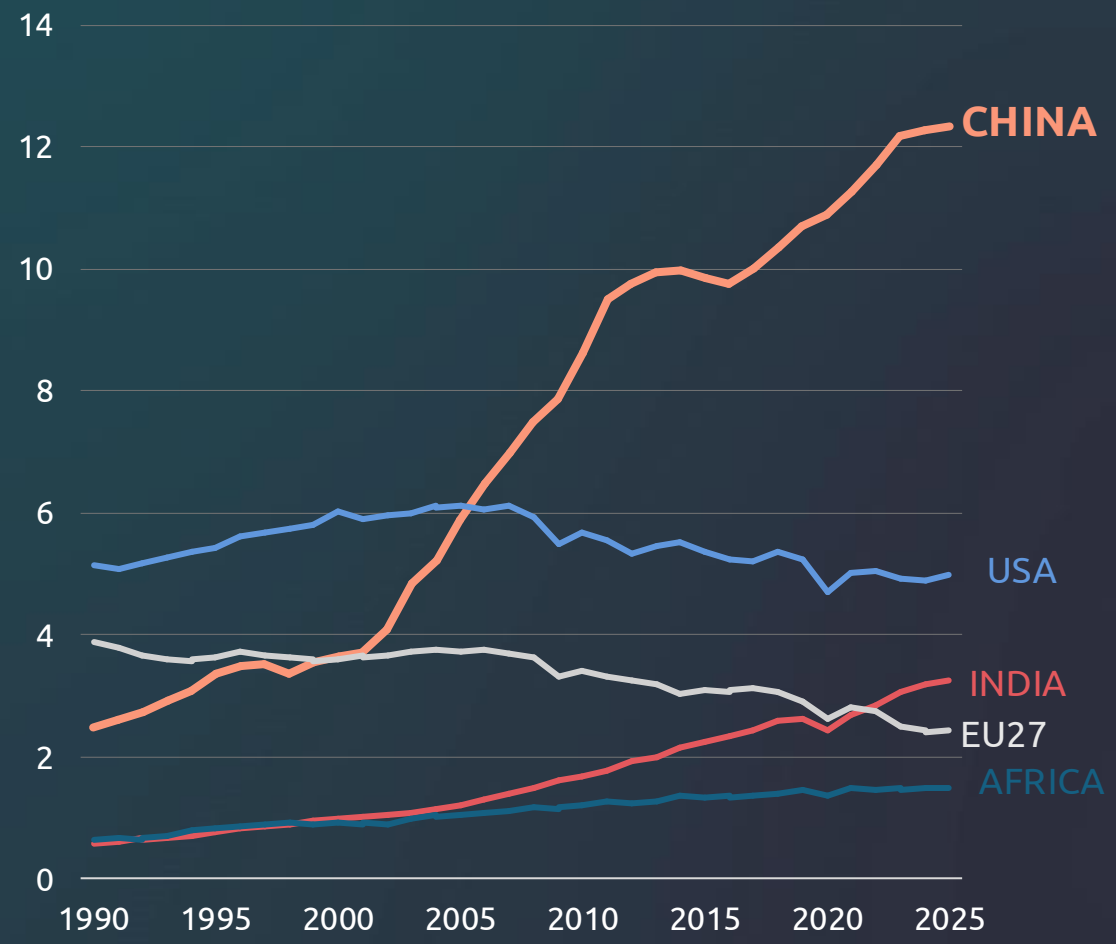
0% growth of GHG emissions in 2025: a great news for the planet, with +5% of GDP growth.

+440 GW of renewable power plants added in 2025: 6x the EU, 10x the USA. Almost half of all global renewable capacity is located in China.

25% of forest coverage reached in 2025: a result that proves efforts in nature restoration, even though better-quality work could be made.

Data sources: IEA, UNEP, World Bank, IEA, Carbon Brief, IRENA, Chinese Gov.

Billion tons of CO_2 emissions produced every year from 1990 to 2025



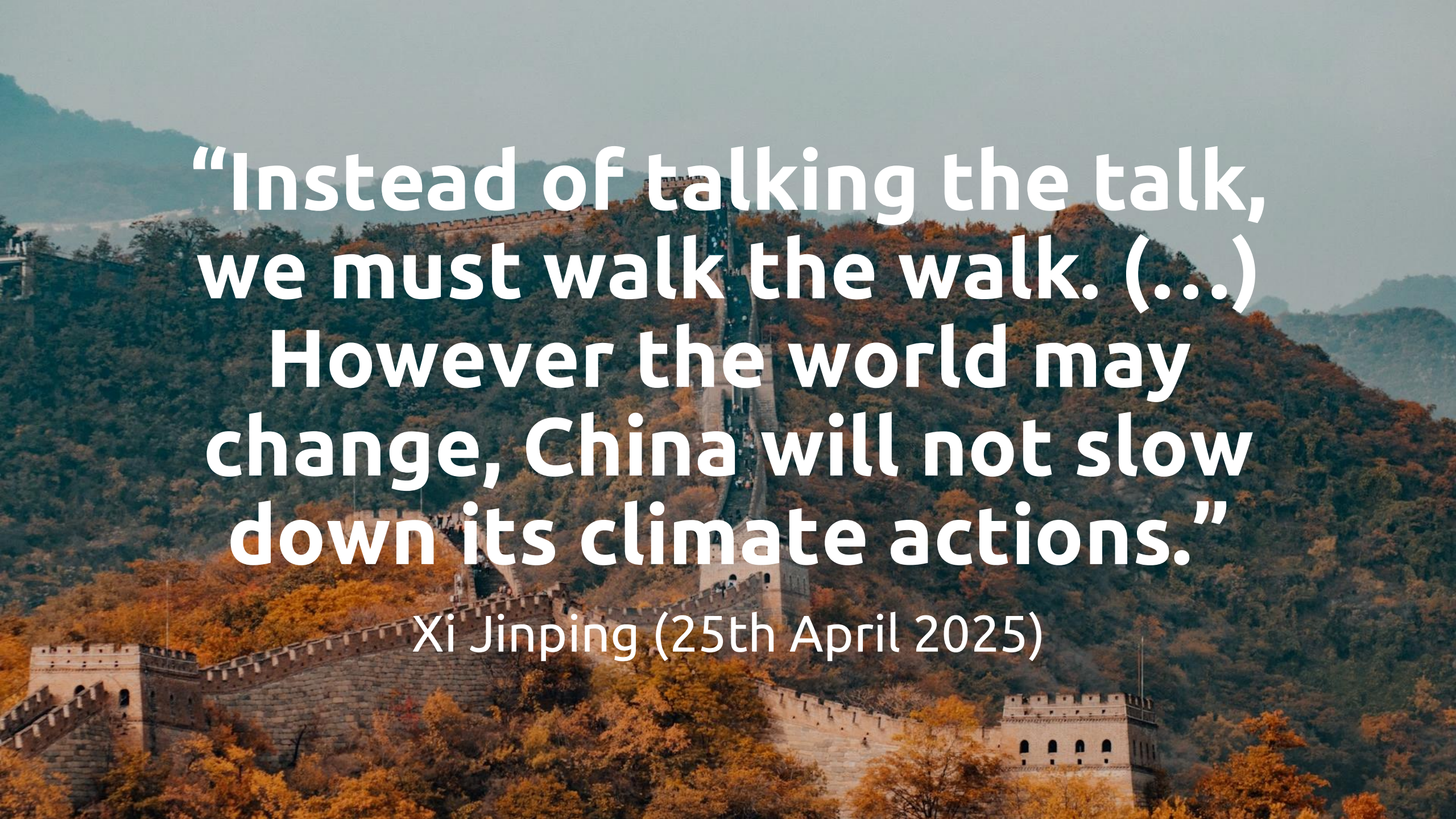
BUT…

27% of global GHG in 2025: first global emitter and third historical responsible for cumulative global CO2 emissions, soon after the EU.

68 GW increase of coal power capacity reached in 2025: the highest yearly increase since 18 years.

35% increase of per capita material consumption in the last 15 years: circularity remains a challenge in light of the high expansion of electronical equipments (EV, solar panel etc.)

Data sources: Global Energy Monitor, Global Carbon Budget, International Resource Panel


“Instead of talking the talk, we must walk the walk. (…) However the world may change, China will not slow down its climate actions.”
Xi Jinping (25th April 2025)