Global Carbon Budget 2015

Emissions from fossil fuels and industry grew +0.6% in 2014, and are projected to decline by −0.6% (−1.6 to +0.5) in 2015. This marks a break in the rapid emissions growth of 2.4% of the previous decade.

...though emissions are beginning to decline in many countries

China’s decreased coal use largely accounts for the projected decline in emissions with slower growth in petroleum use and rapid growth in non-fossil energy sources.

After rising 6.7% per year for the previous decade, China’s emissions growth slowed to 1.2% in 2014 and is projected to decrease in 2015.

India now faces a choice. It is about to develop rapidly. But will it do it on a low or high emissions pathway?

Global emissions must quickly drop to zero to hold to 2°C

Our average per capita emissions are 4.9 tCO₂ each year.

Credits: Jackson et al., Nature Climate Change 2015; Le Quéré et al. Earth System Science Data 2015; NOAA-ESRL and the Scripps Institution of Oceanography; CDIAC. INDC projection based on UNFCCC analysis.