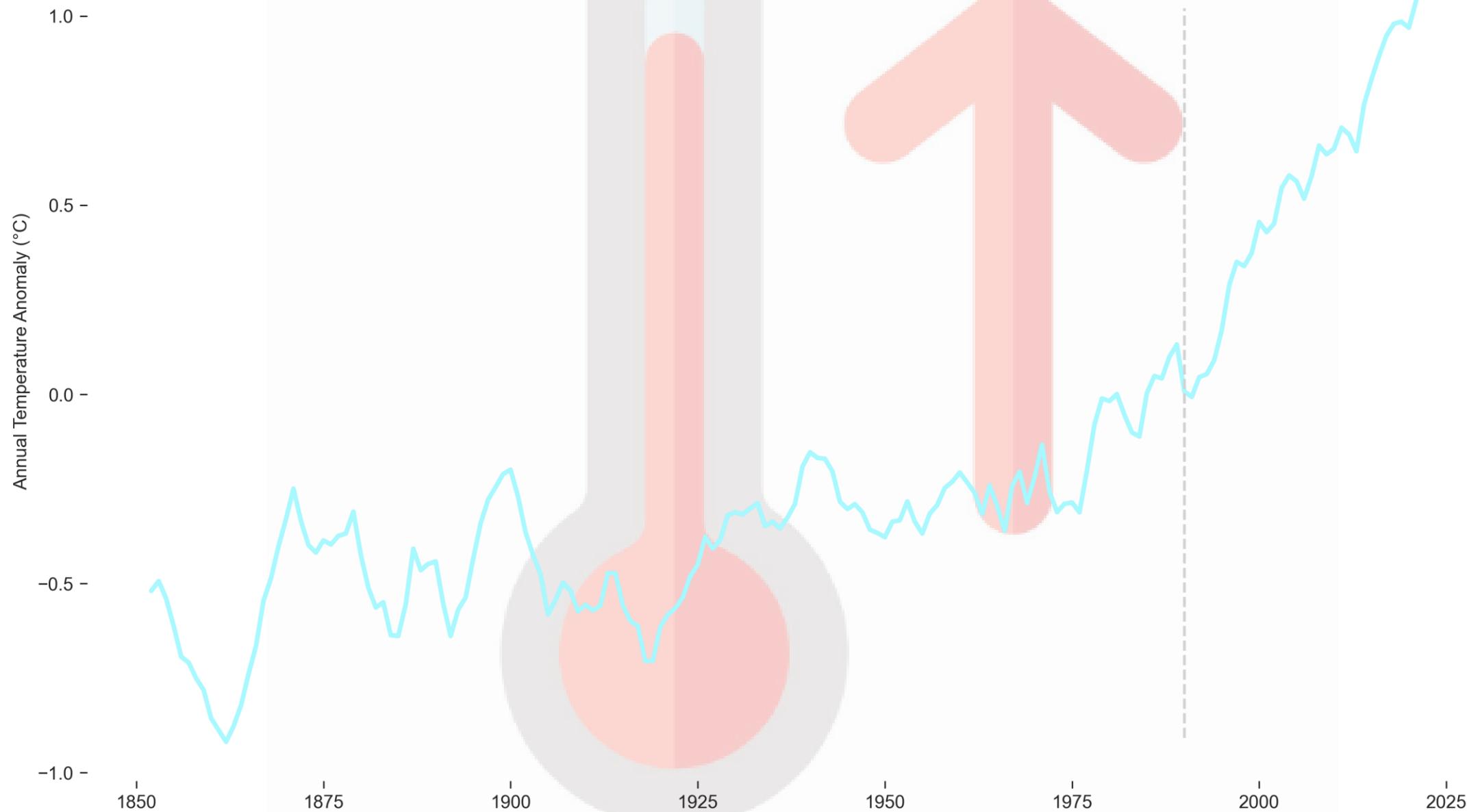


The world is getting warmer. How does this impact storms?

As society burns fossil fuels for energy, increased amounts of greenhouse gases are released into the atmosphere, causing a warming effect.

This chart shows a smoothed line of global temperature anomalies since records started in 1850.

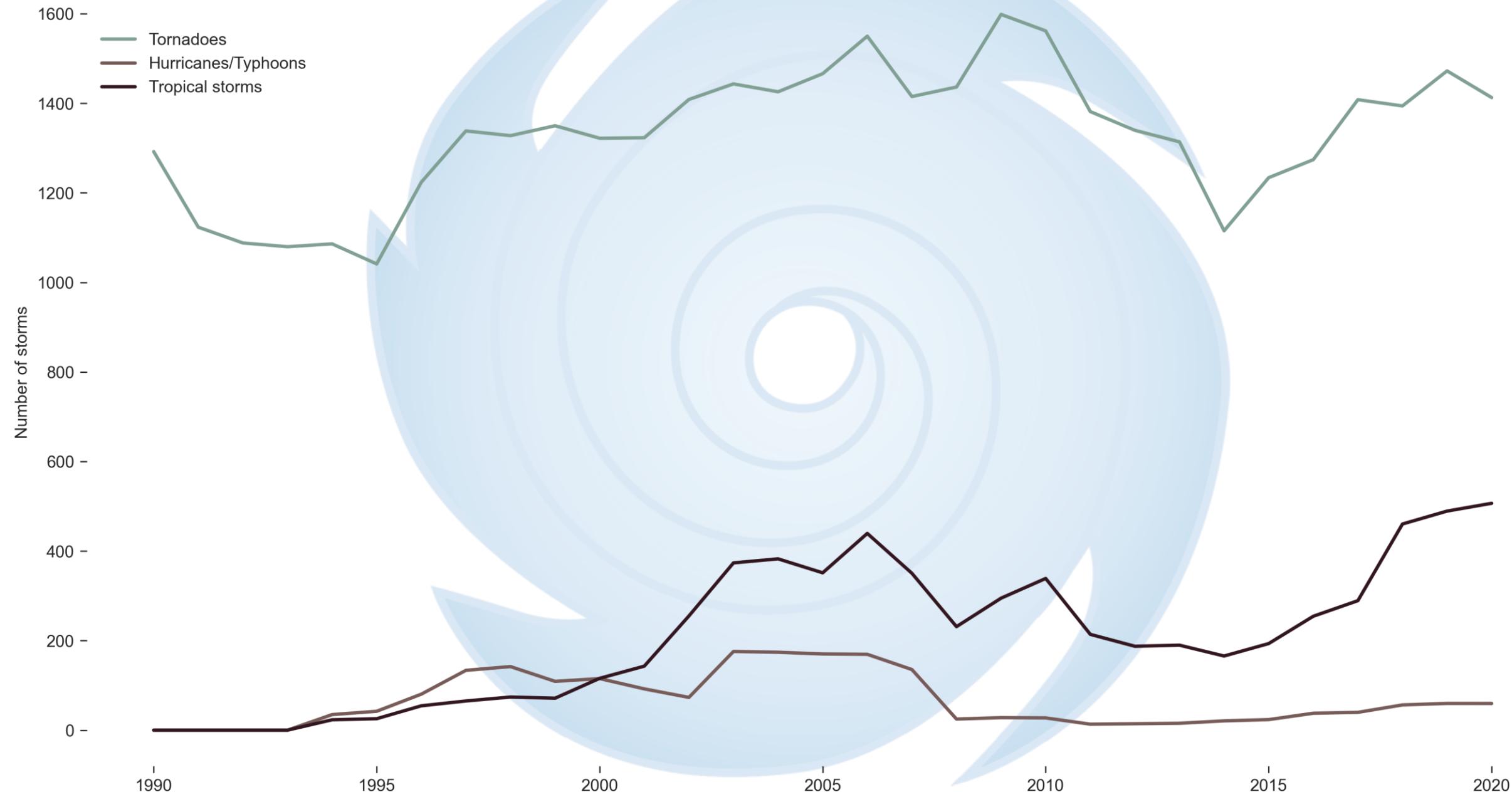
A line marks 1990, as this seems to be when the anomalies truly started accelerating upwards.



Are storms becoming more common?

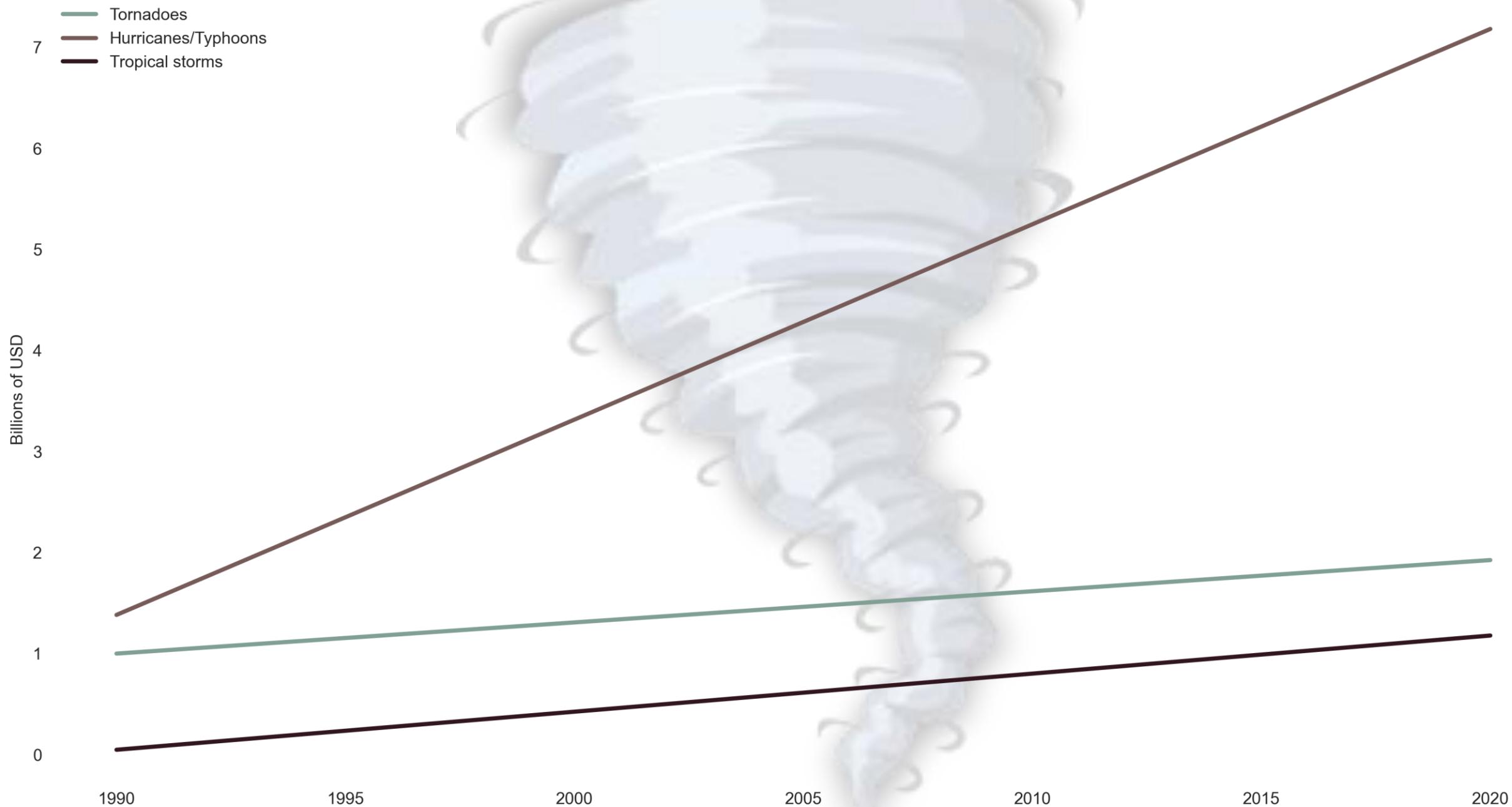
Now let's look at the number of different types of storm events (Tornadoes, Hurricanes/Typhoons, and Tropical Storms) starting from 1990.

One can observe a slight increase in tropical storms, with a very slight increasing trend in tornadoes as well.



Storms are becoming more costly.

Our last chart showed storm frequency slightly increasing for some types. Here we fit straight-line trends to annual damages (billions USD) since 1990.



Is temperature and storm activity correlated?

This plot of both temeprature anomalies on the x-axis and the totla number of storms of all types on the y-axis shows a direct relatinoship between an increase in temeratured and an increase in storm activity. In other words, warmer temperatures lead directly to more storms.

