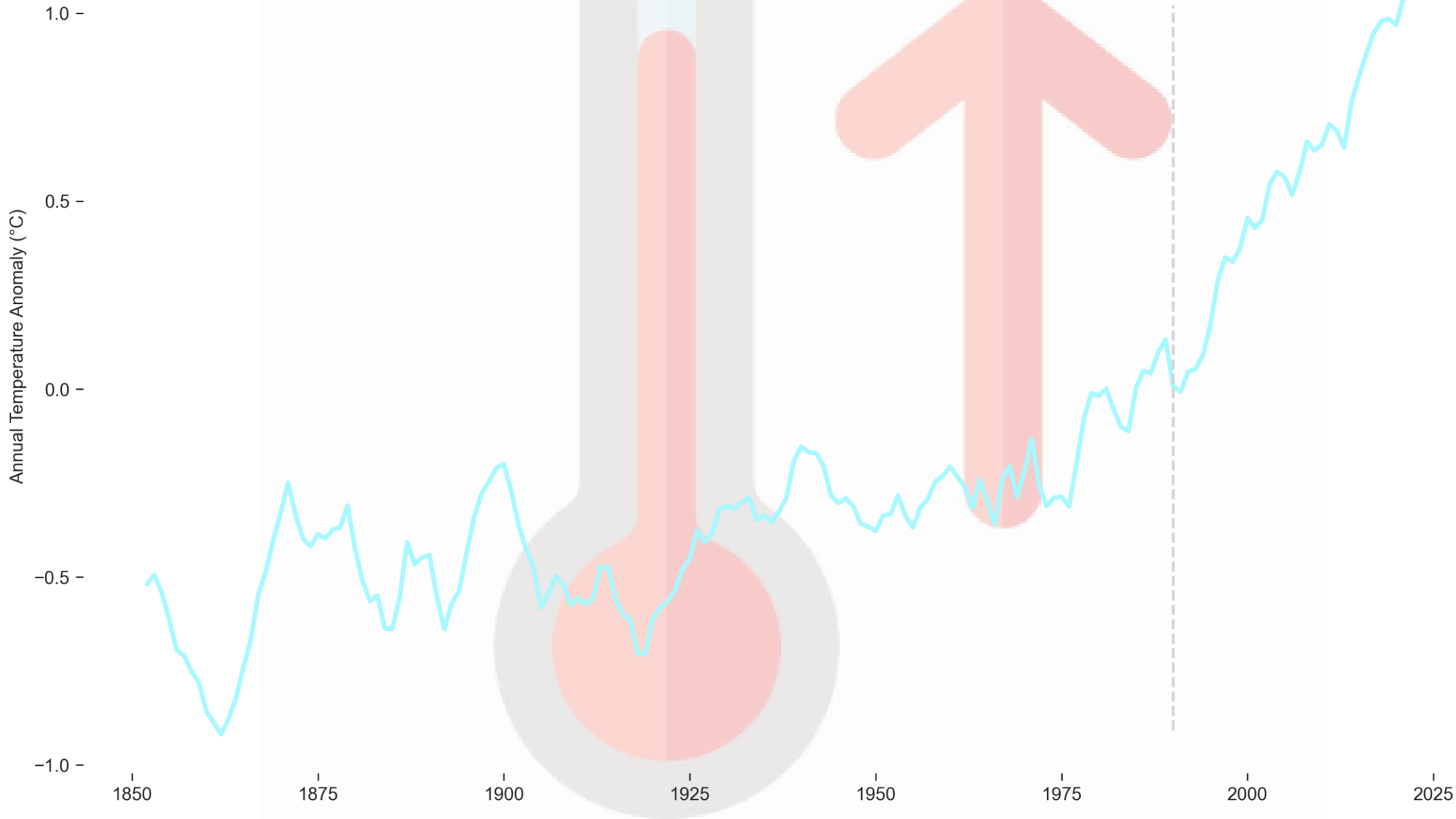
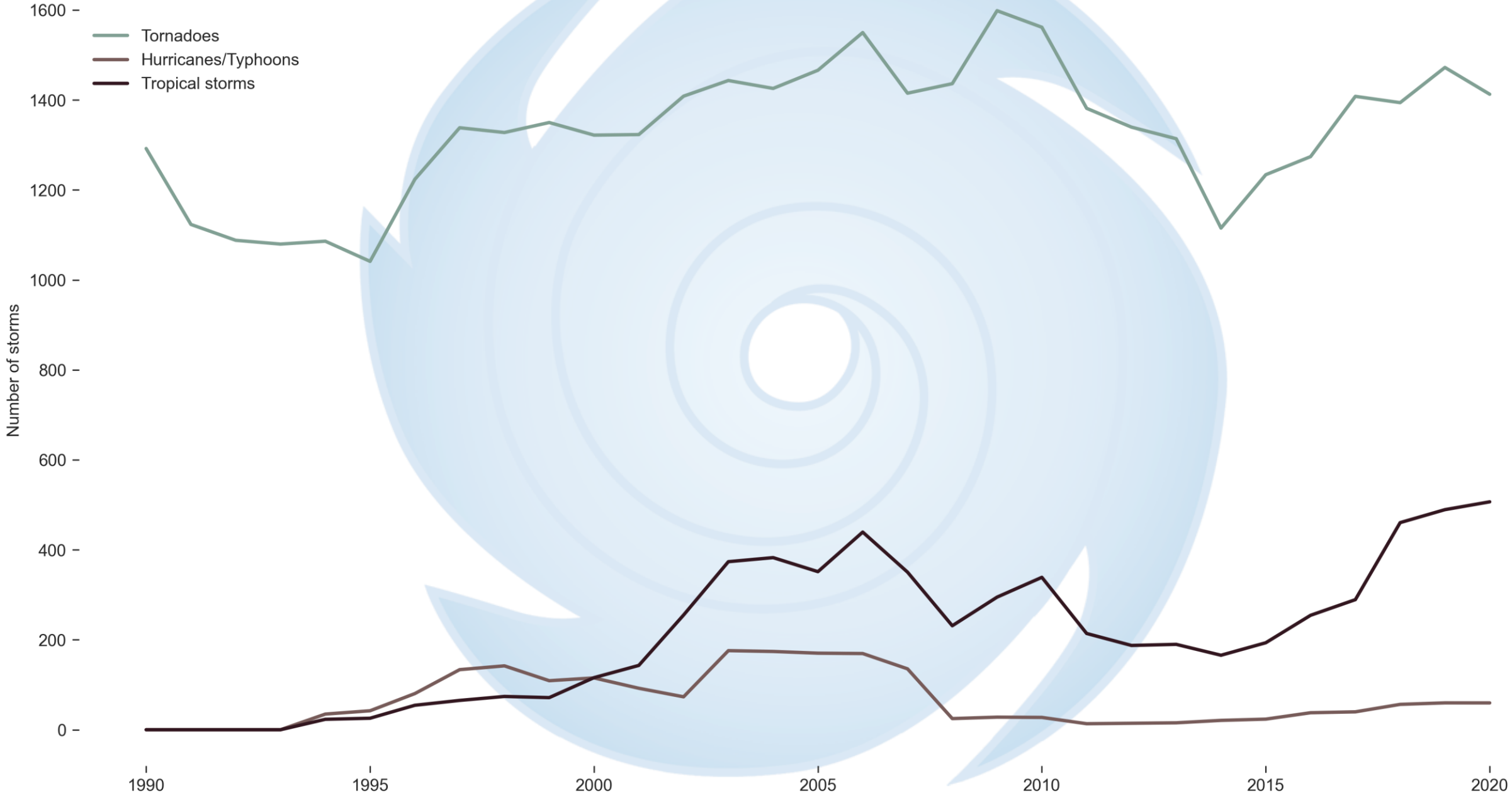
The world is getting warmer. How does this impact storms?

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 anomolies truly stsrted accelerating upwards.



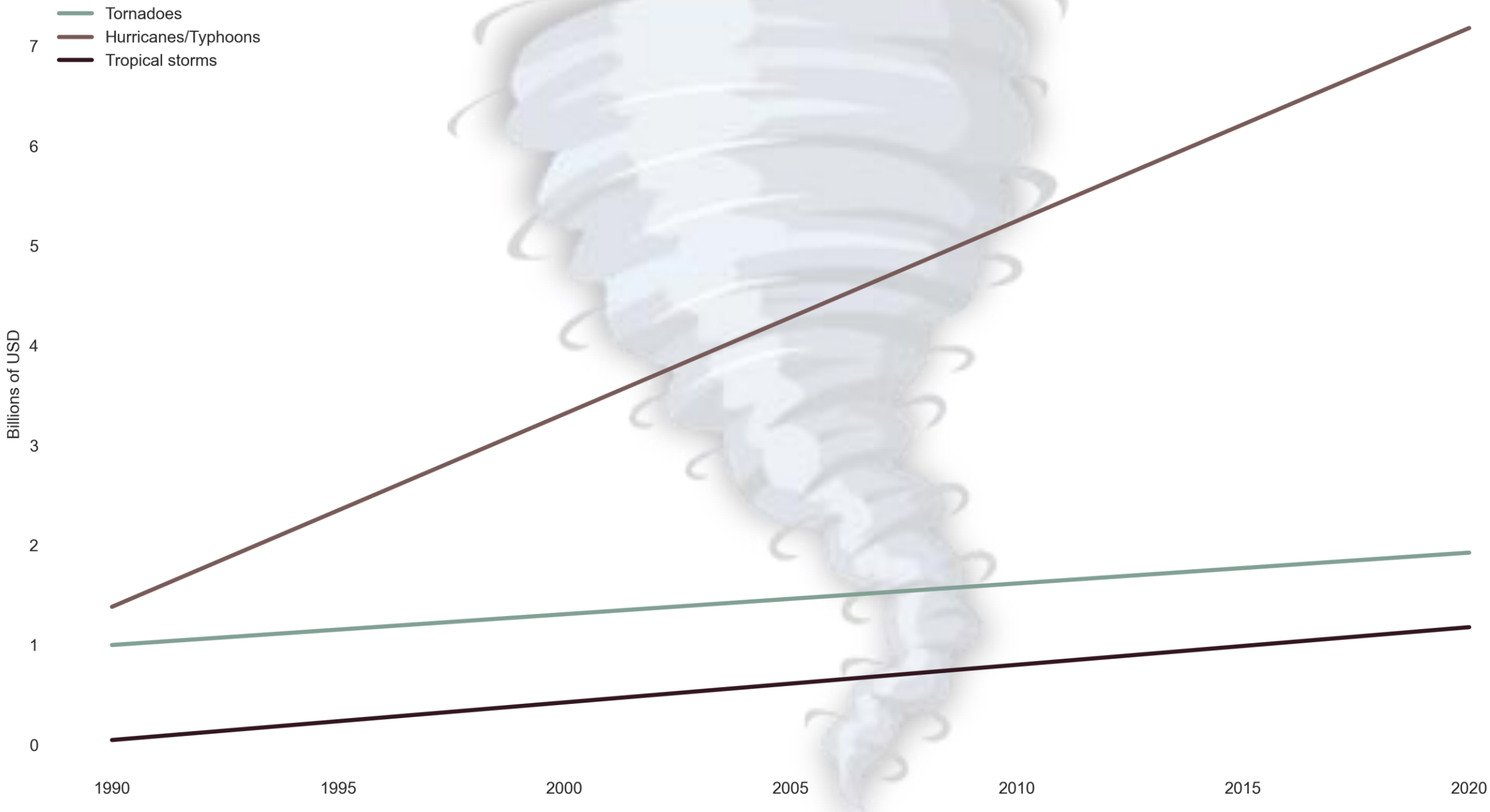
Are storms becoming more common?

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.



Increasing Temperatures are Directly Correlated with Increases in Storm Activity

This plot of both temperature anomolies on the x-axis and the total number of storms of all types on the y-axis shows a direct relatinoship between an increase in temperature and an increase in storm actvity.
In other words, warmer temperatures lead directly to mory storms.