More fruitful scientific questions

Essential to distinguish between small noisy unpredictable dynamics vs thermodynamic effects.

• Given the weather pattern, how were the temperatures, precipitation, and associated impacts influenced by climate change?

• Given a drought, how was the drying (evapotranspiration) enhanced by climate change and how did that influence the moisture deficits and dryness of soils, and wild fire risk? Did it lead to a more intense and perhaps longer lasting drought, as is likely?

• Given a flood, where did the moisture come from? Was it enhanced by high ocean temperatures that may have had a climate change component?

• Given a heat wave, how was that influenced by drought, changes in precipitation (absence of evaporative cooling from dry land), and extra heat from global warming?

• Given extreme snow, where did the moisture come from? Was it related to higher than normal SSTs off the coast or farther afield?

• Given an extreme storm, how was it influenced by anomalous SSTs and ocean heat content, anomalous moisture transports into the storm, and associated rainfall and latent heating? Was the storm surge worse because of high sea levels?