

Centre for Risk Studies

NATURAL CATASTROPHE AND CLIMATE

Oliver Carpenter Research Assistant, Cambridge Centre for Risk Studies

4 December 2018

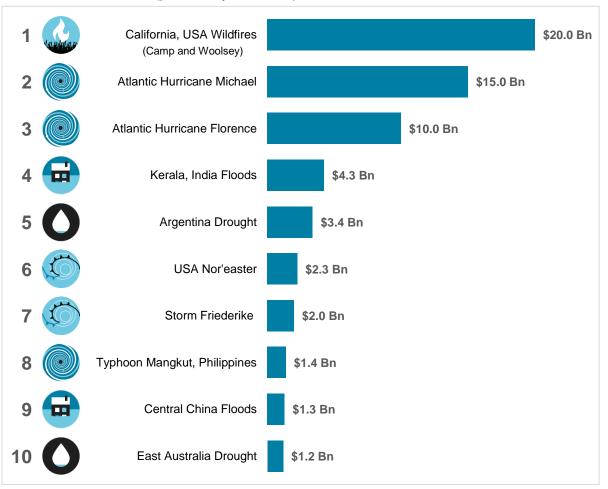
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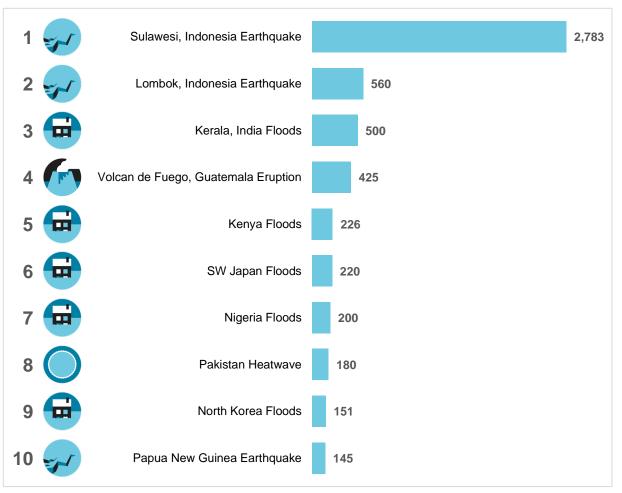


Top 10 Global Natural Catastrophes 2018

Economic Loss (preliminary estimates)



Fatalities







Geophysical Hazards

Liquefaction during the Sulawesi Earthquake, Indonesia 28th September 22018





Tsunami



Volcanic eruption



Landsides caused by the Hokkaido Earthquake, Japan 6th September 2018





Hydrometeorological Hazards

Four simultaneous names storms in the Atlantic



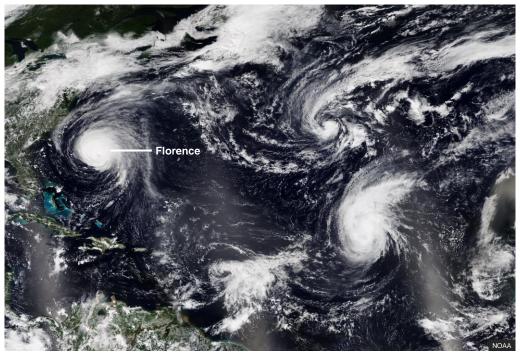
Tropical Windstorm



Temperate Windstorm

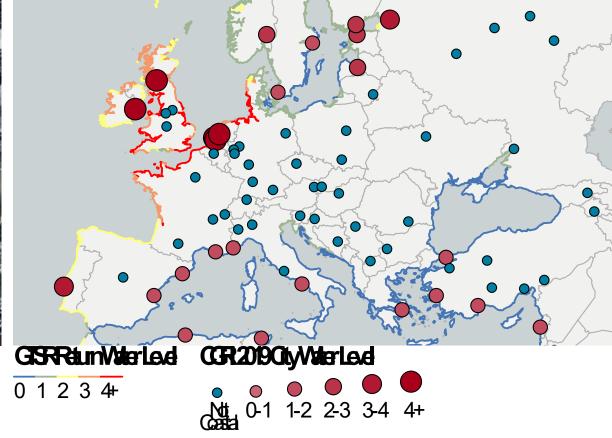


Flood



In September, there were 21 named tropical cyclones active at some point during the month – just one short of the record 22

Coastal Flood Model Update: Storm Surge Hazard in European Cities



Hydrometeorological Hazards



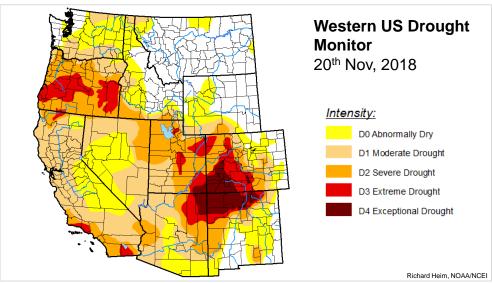
Snowfall in Rome during European Cold Wave in February







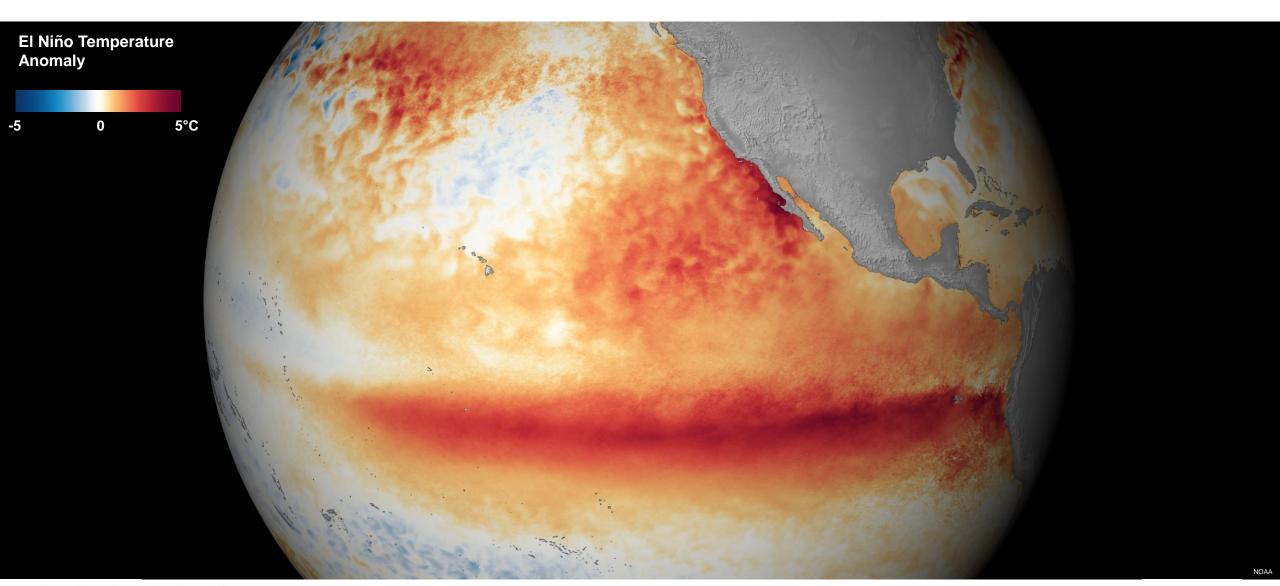




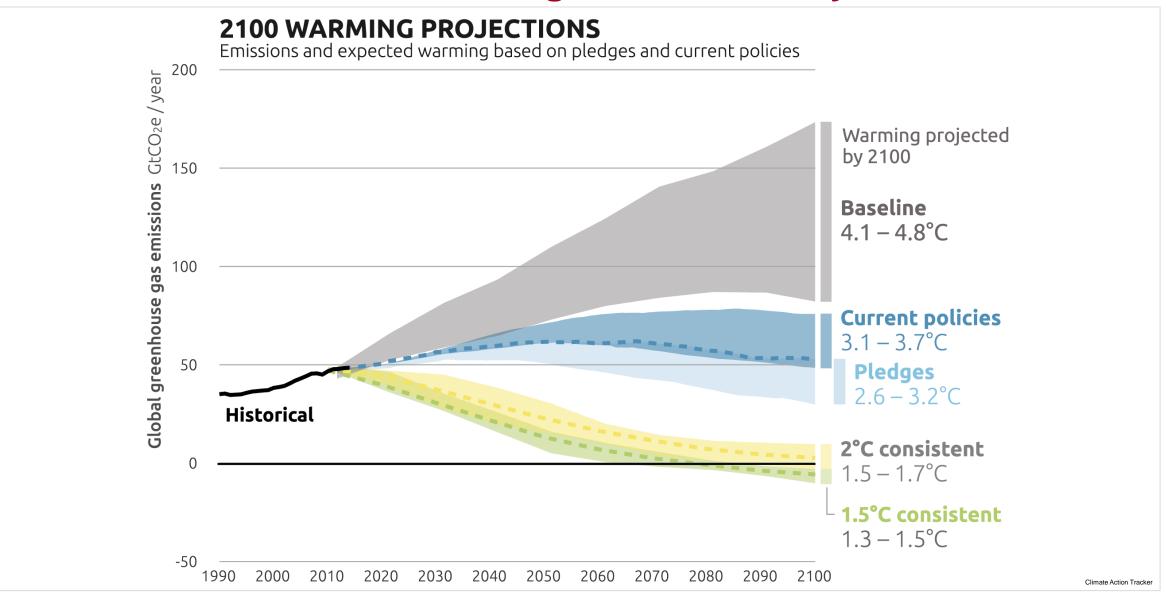


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Climate Change and Variability



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