

The State of the Global Climate in 2017

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU



WMO OMM

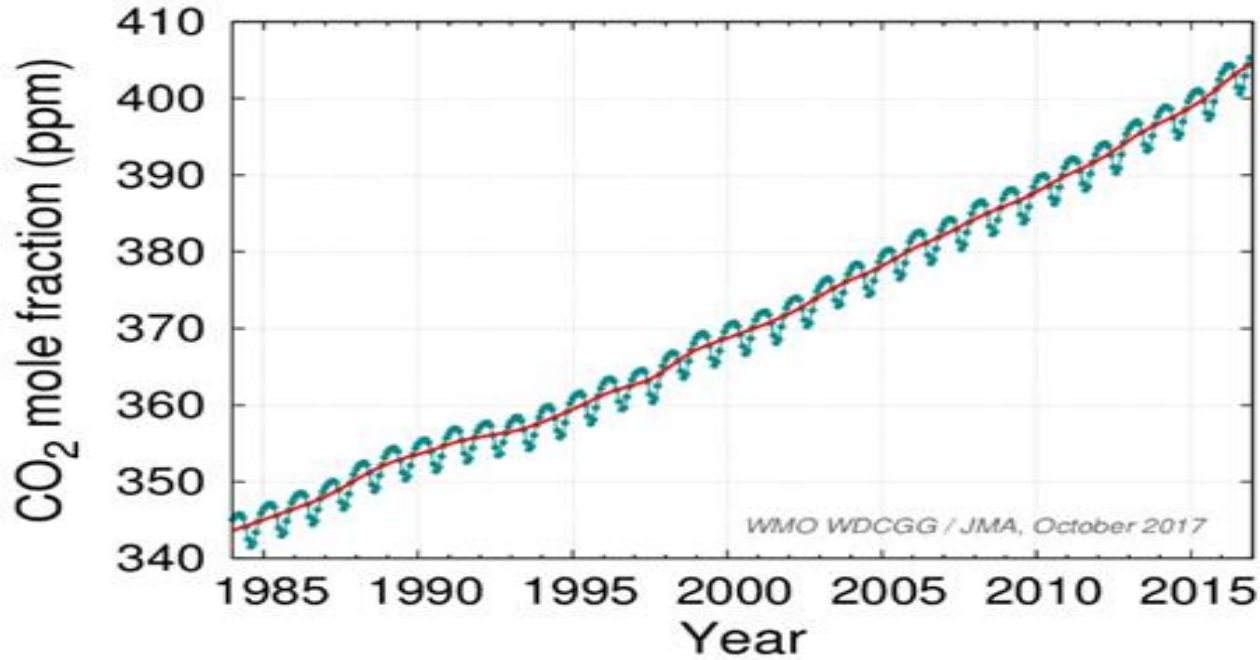
World Meteorological Organization

Organisation météorologique mondiale

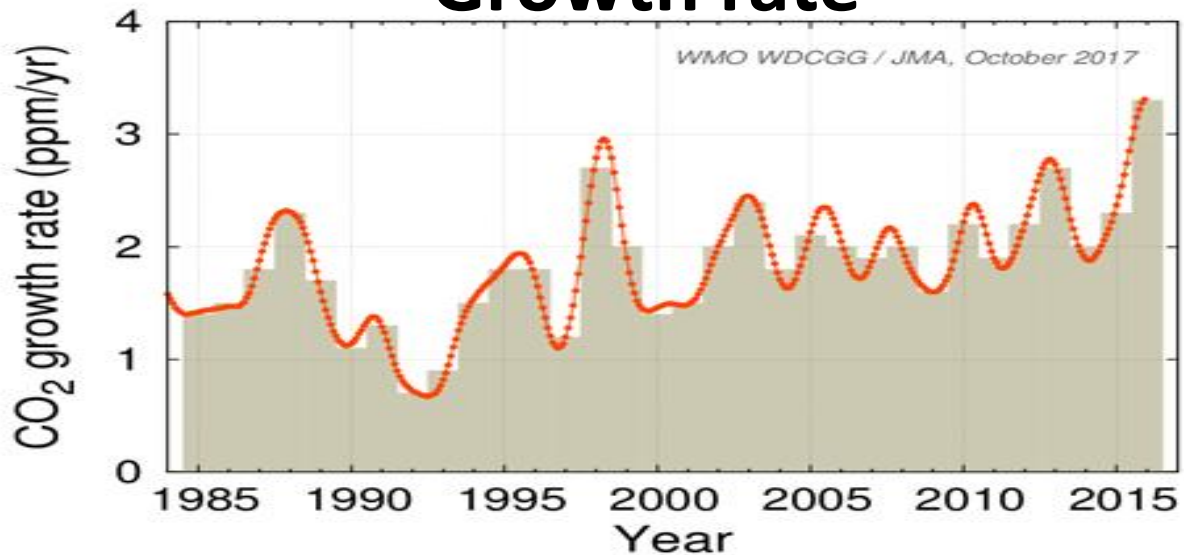
**Prof. Petteri Taalas
Secretary-General**



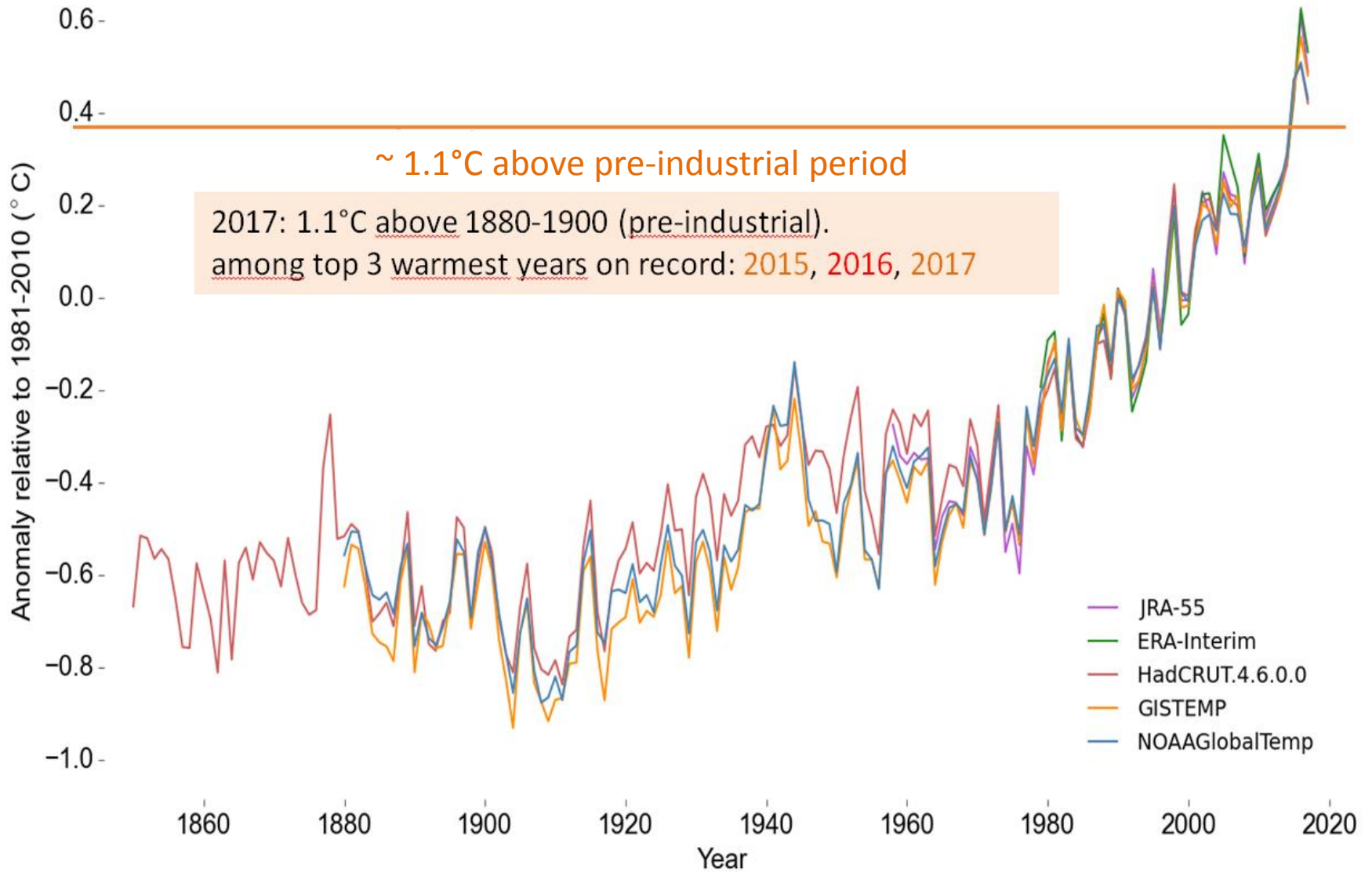
Carbon dioxide concentration continue to rise



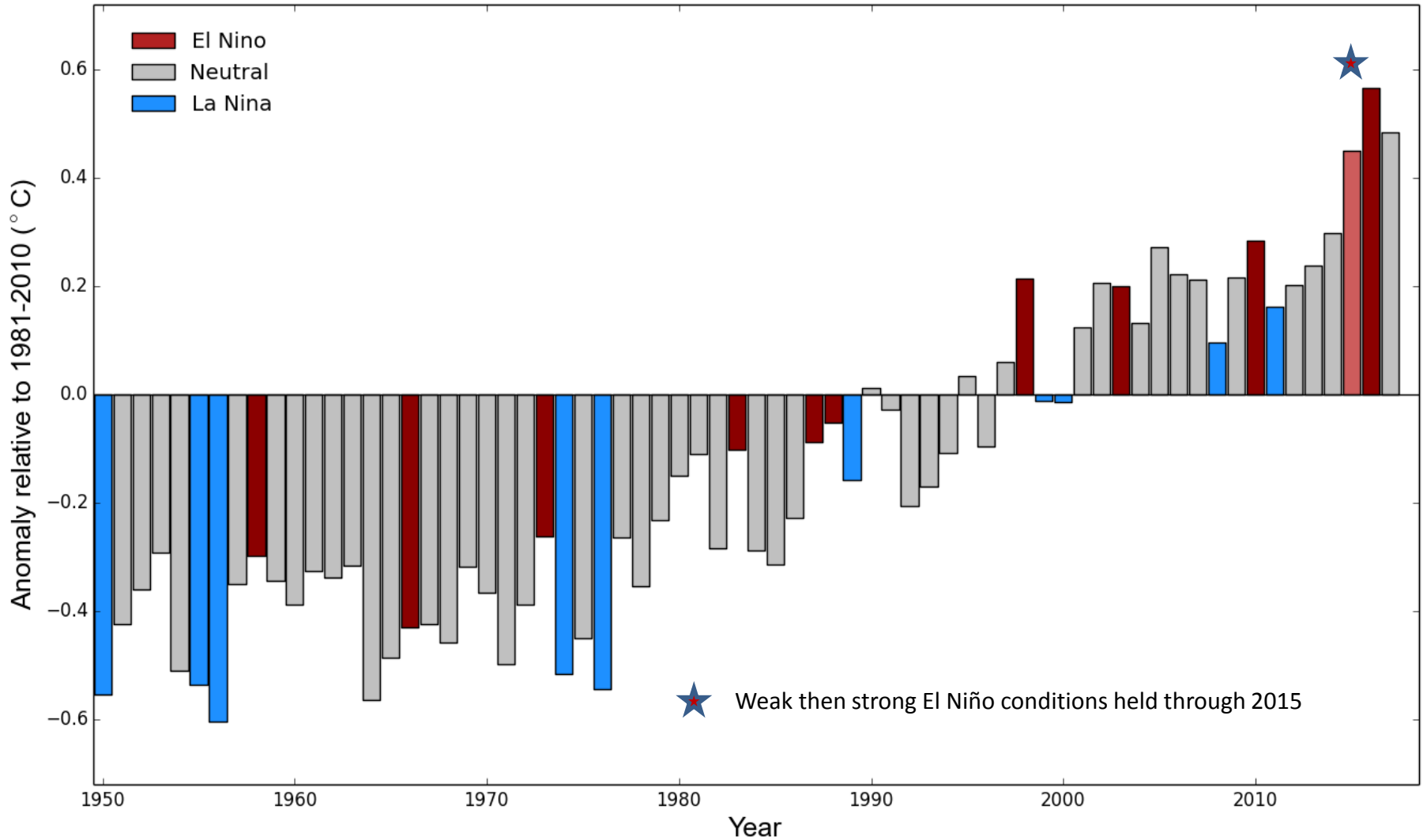
Growth rate



Global temperature deviations 1850-2017

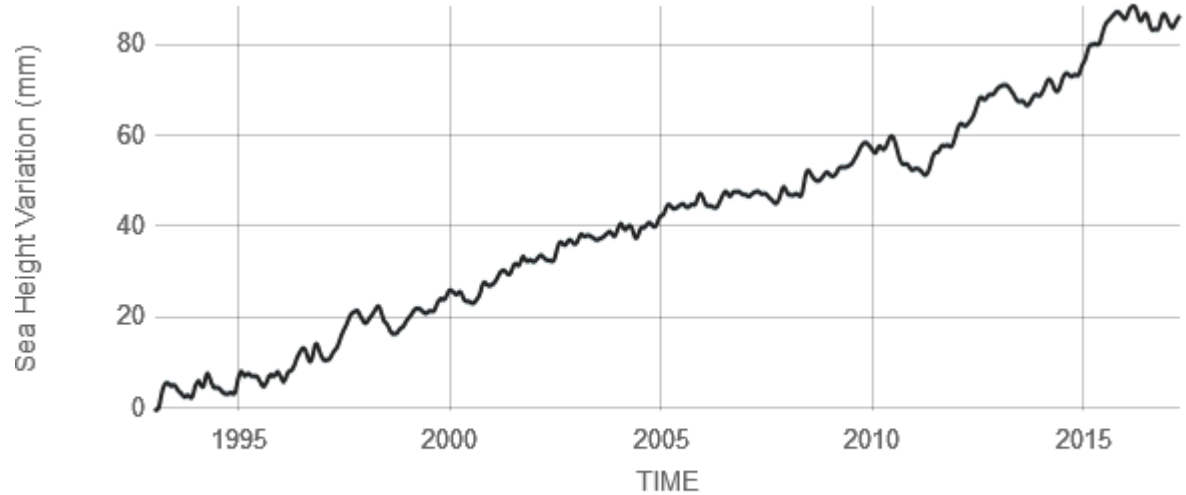


2017 – the warmest non-El Niño year on record

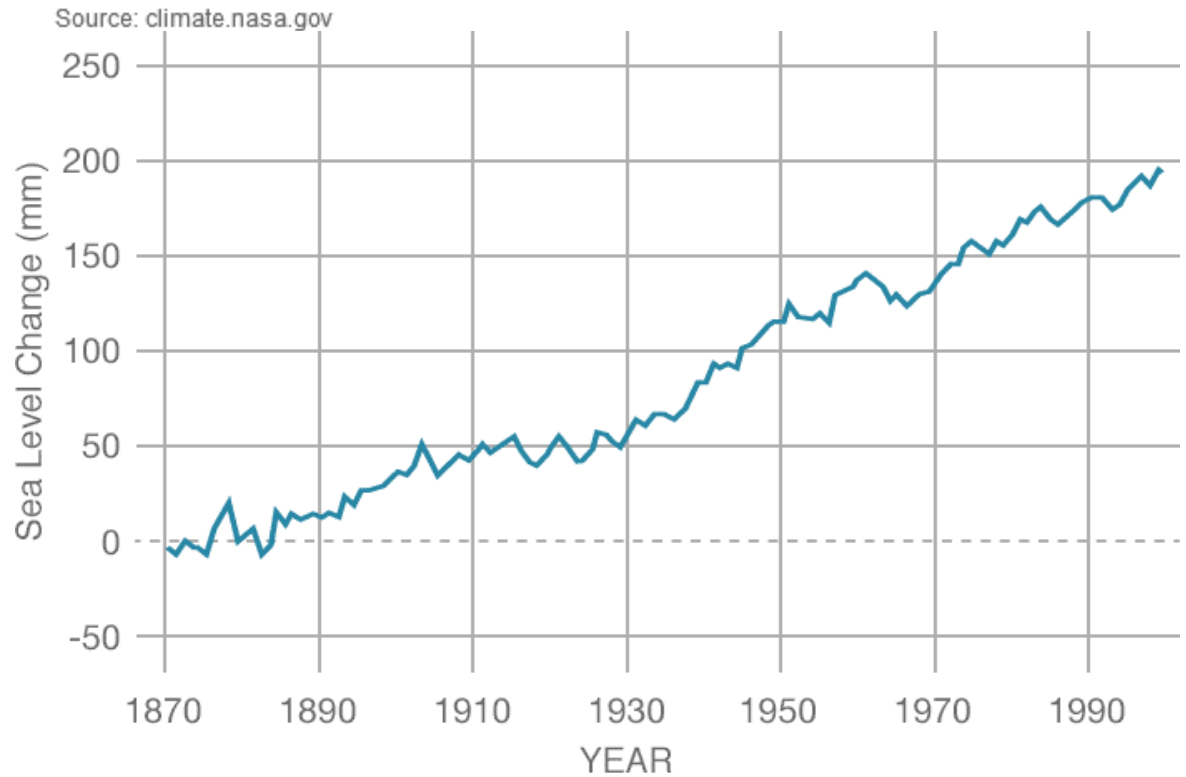


Global sea level rise: + 26 cm 1870-2017

NASA-EUMETSAT
Satellites
(1993-present)

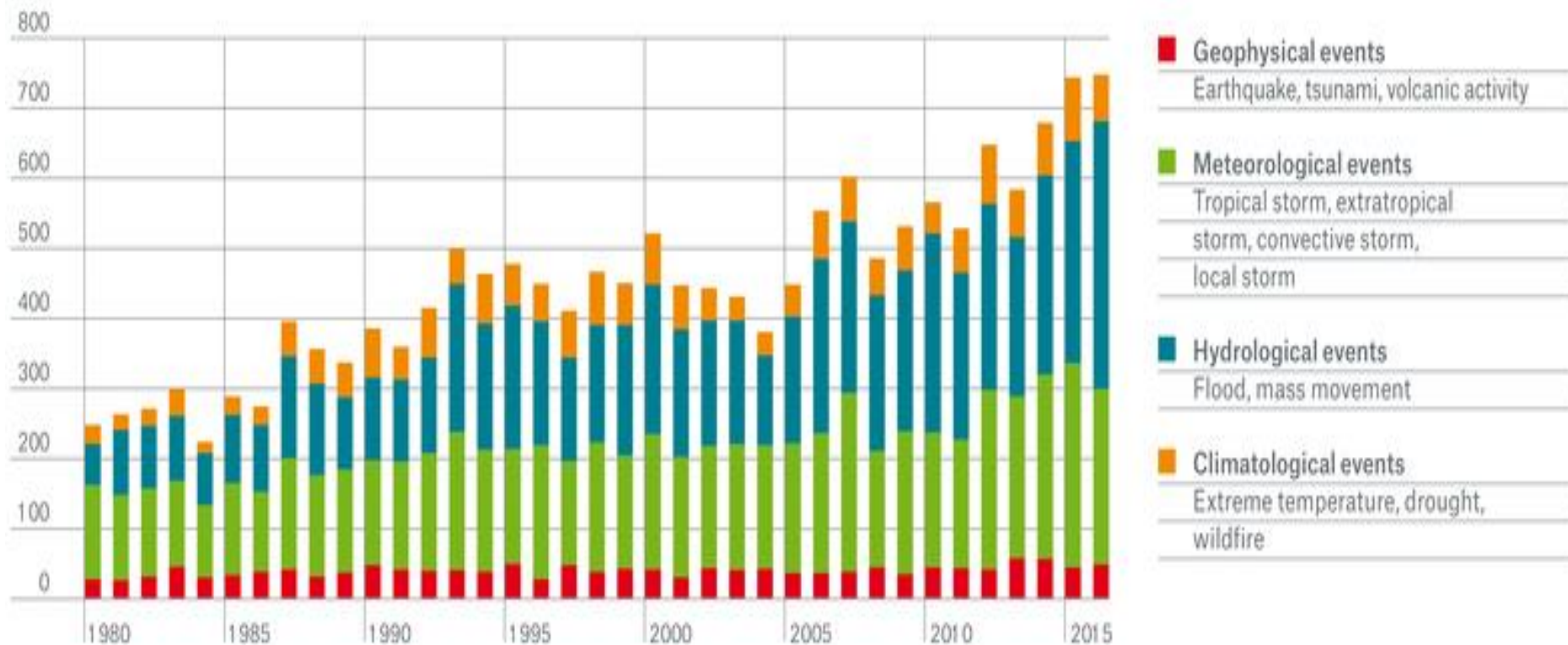


Tide gauges
(1870-2000)



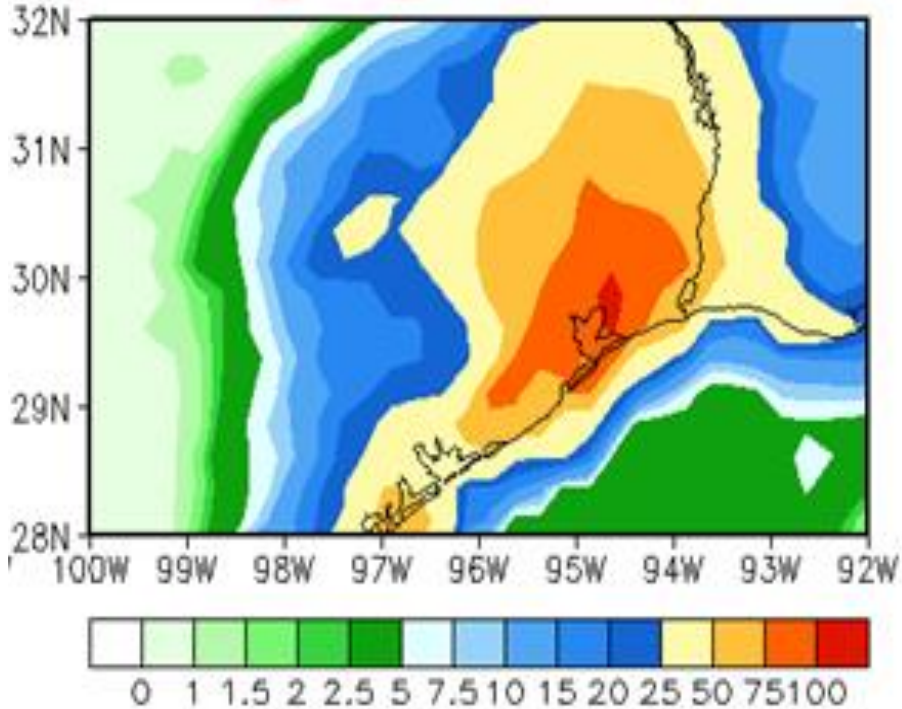


Growing number of weather related disasters 1980-2016



Very active North Atlantic hurricane season

CMORPH_V0.x_CRT (10mm)



Satellite-estimated rainfall (cm) for 23-31 August (Hurricane Harvey). Source: CPC



Hurricanes Irma (centre), Jose (right) and Katia (left)