



**WEMC**  
World Energy &  
Meteorology Council

**27 June 2023**

**Welcome to**

**icem**  
**2023**

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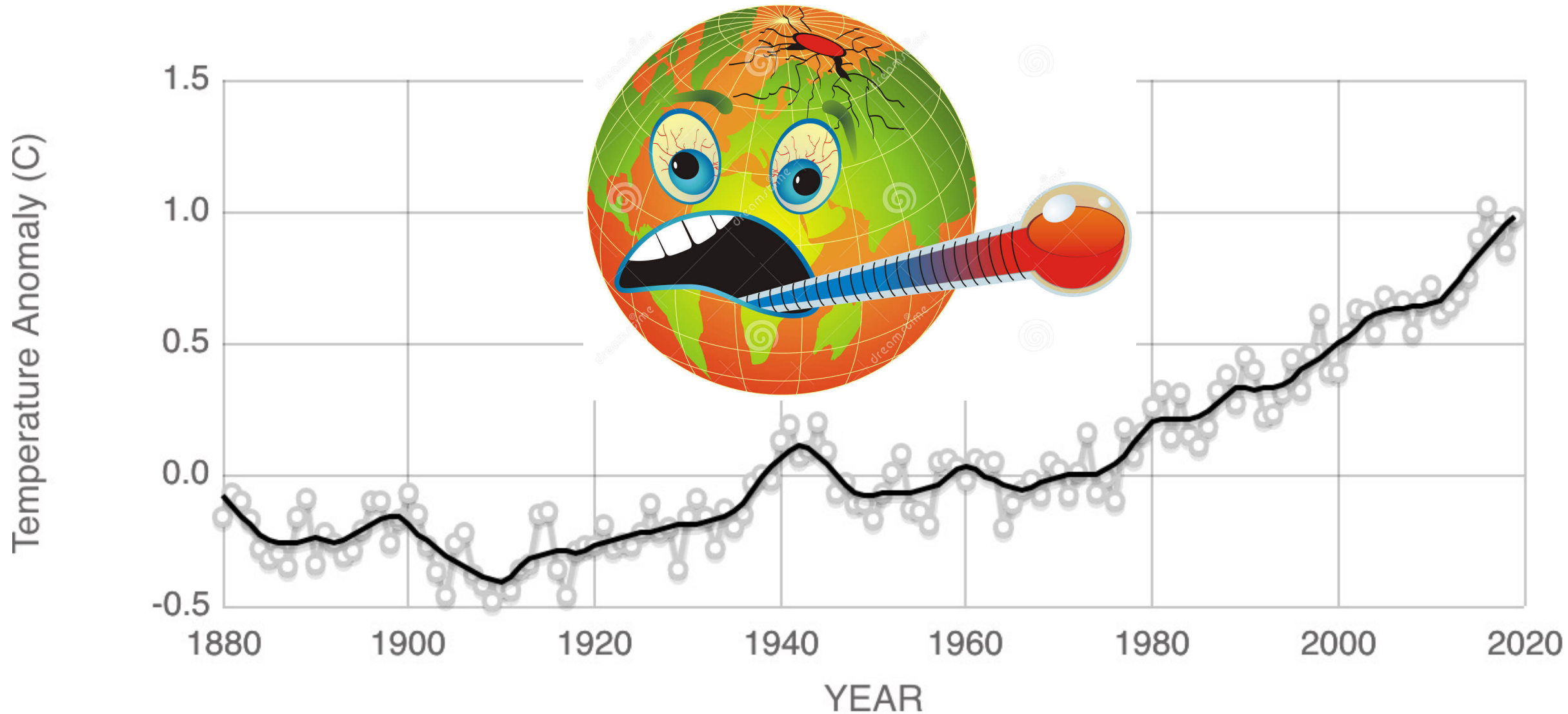


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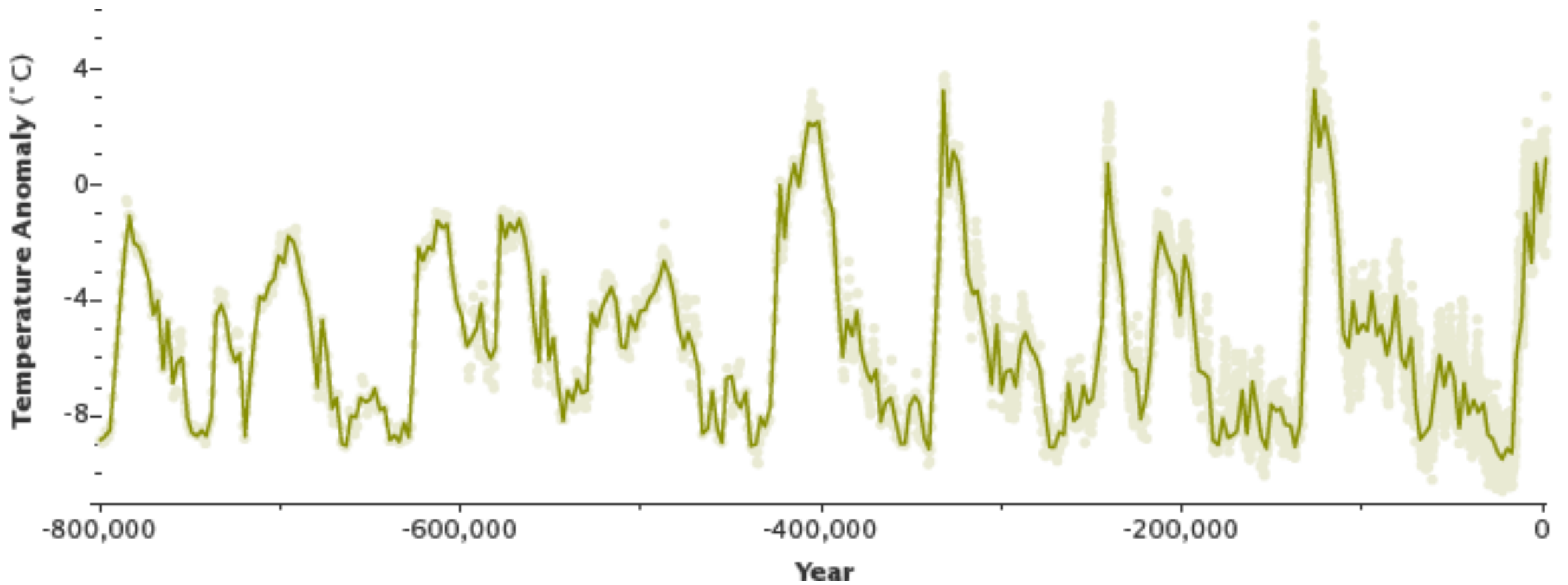
# The ICEM Journey

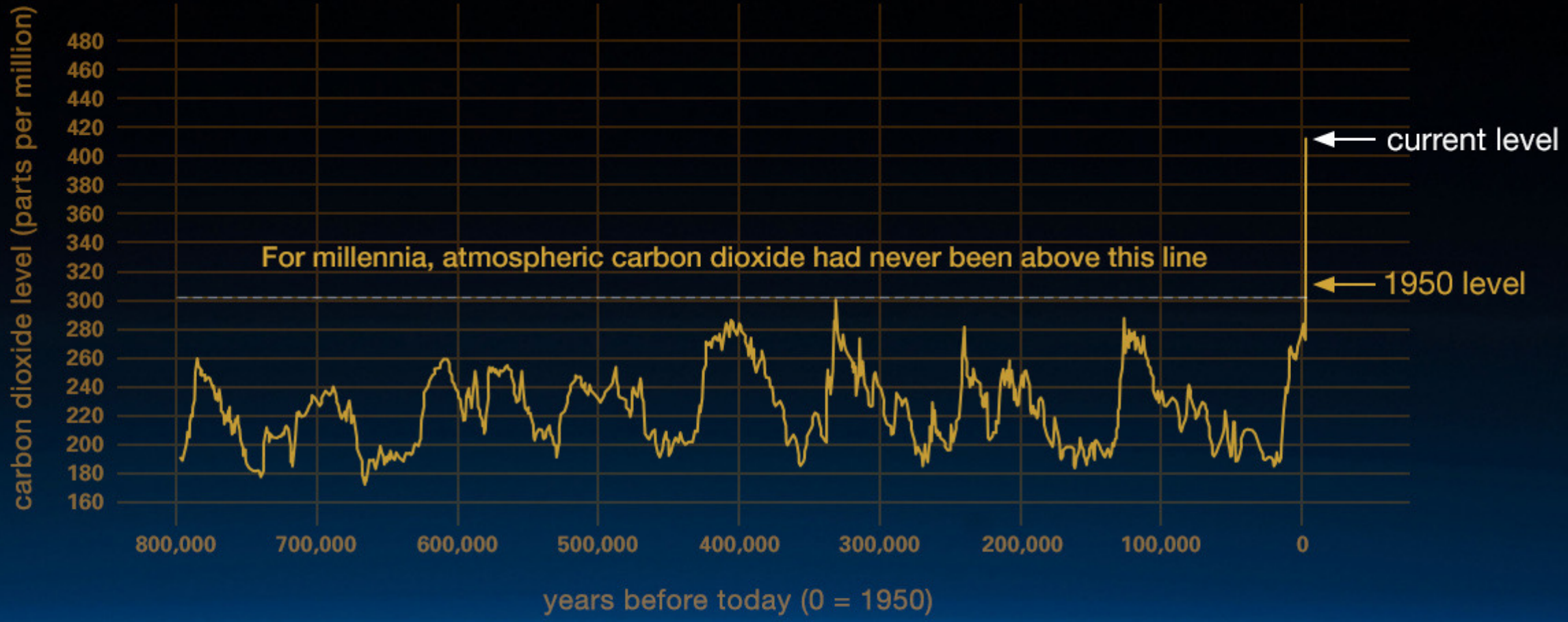


# Global Temperature – 140 yr



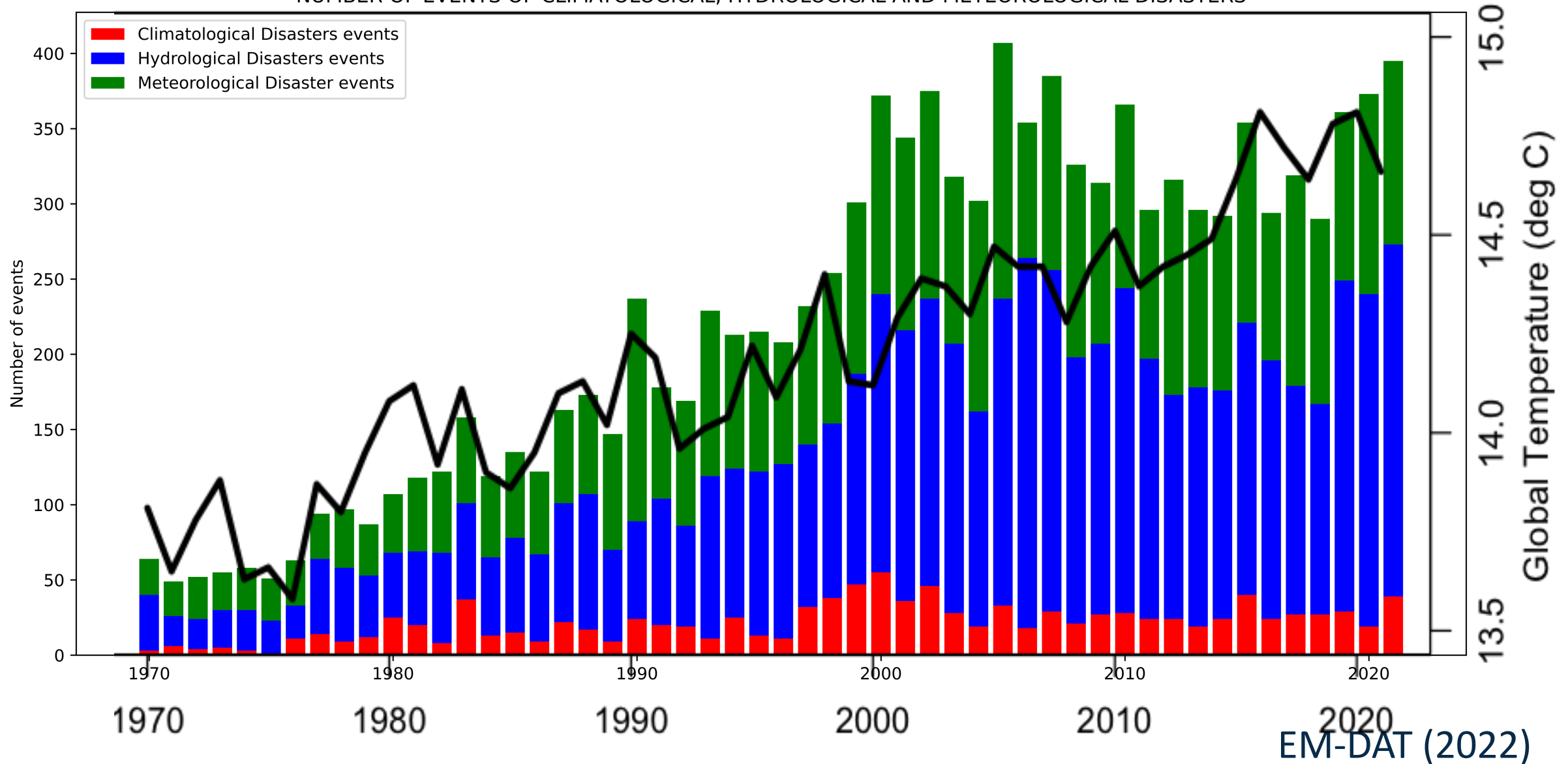
# Global Temperature – 800k year





# Natural Disasters (# Events) vs Global Temperature

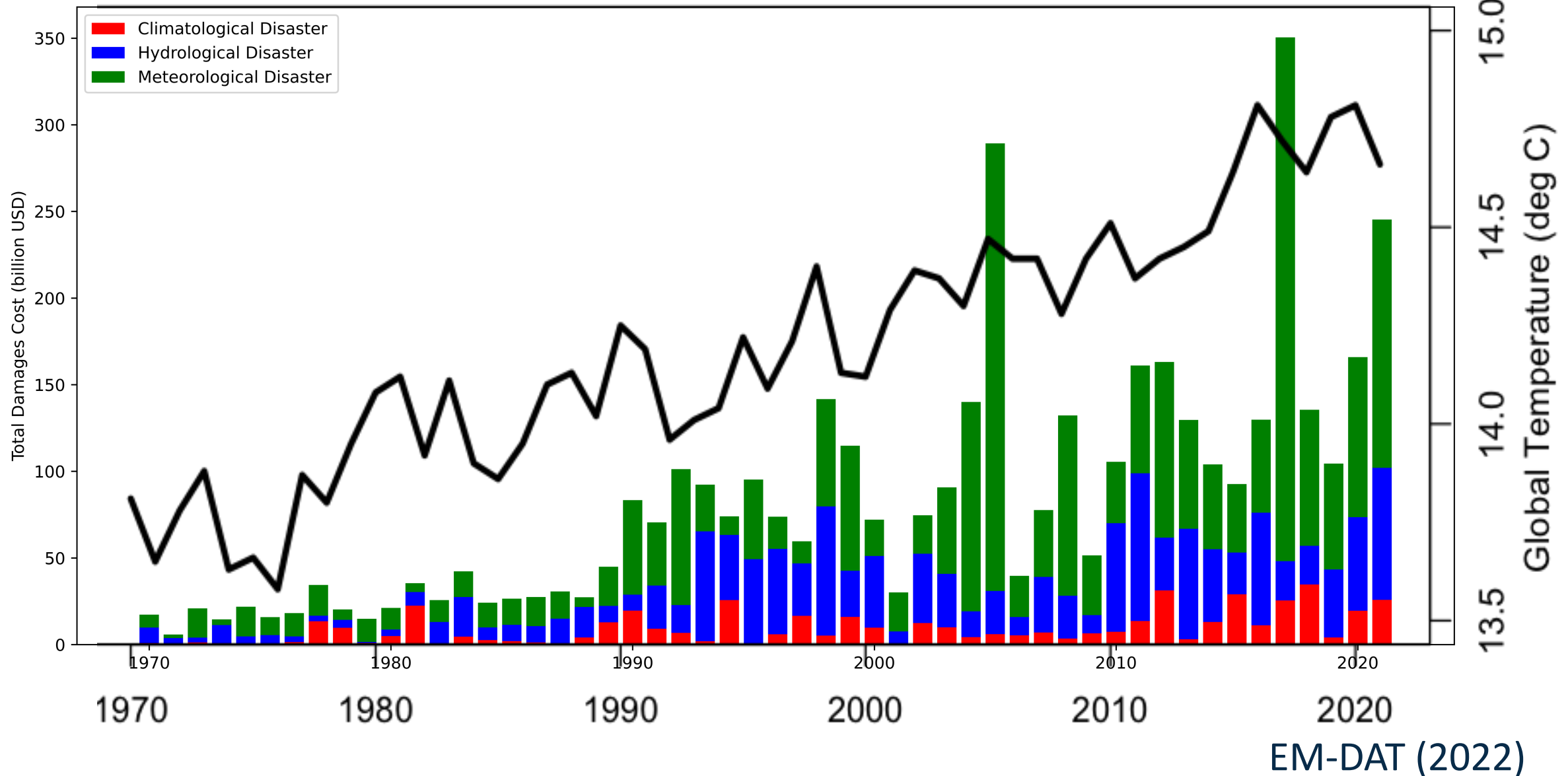
NUMBER OF EVENTS OF CLIMATOLOGICAL, HYDROLOGICAL AND METEOROLOGICAL DISASTERS





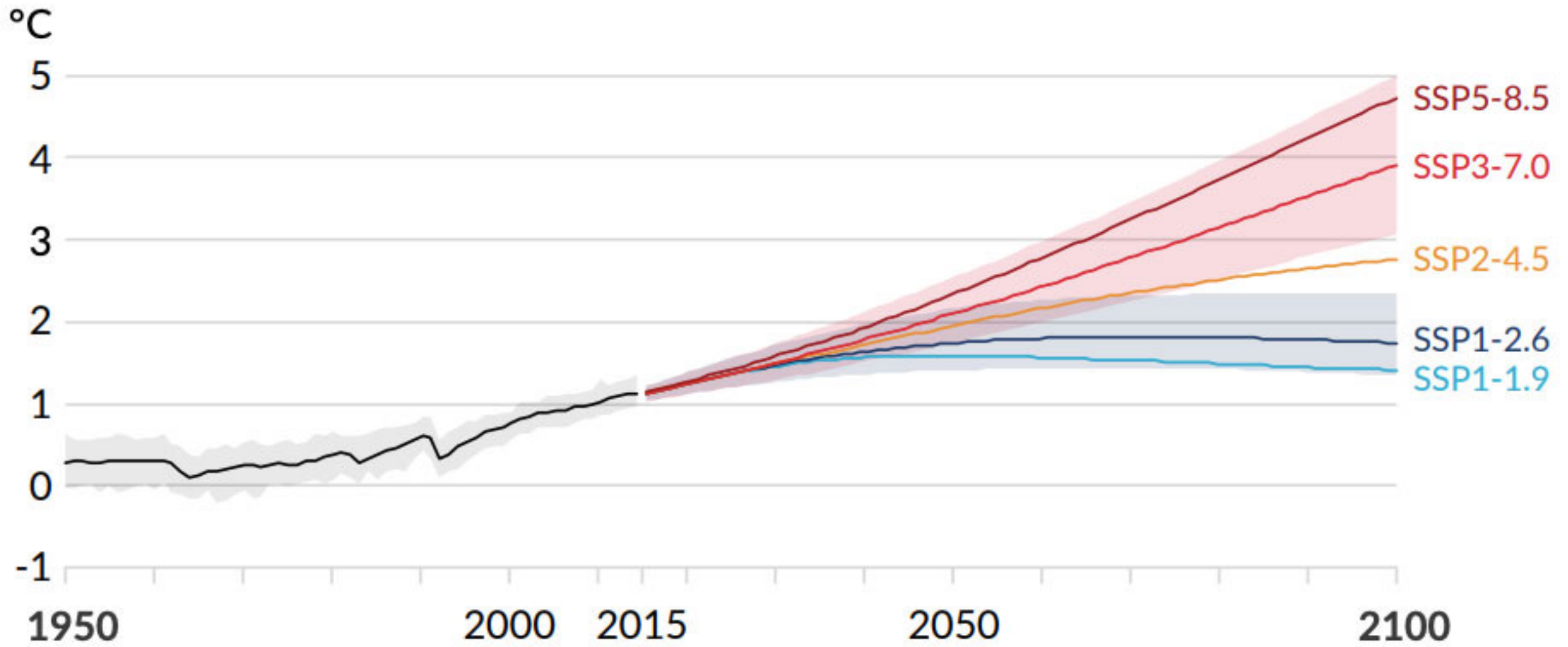
# Natural Disasters (Total Damages in bn US\$)

TOTAL DAMAGES COST FROM CLIMATOLOGICAL, HYDROLOGICAL AND METEOROLOGICAL DISASTERS (in billion USD)



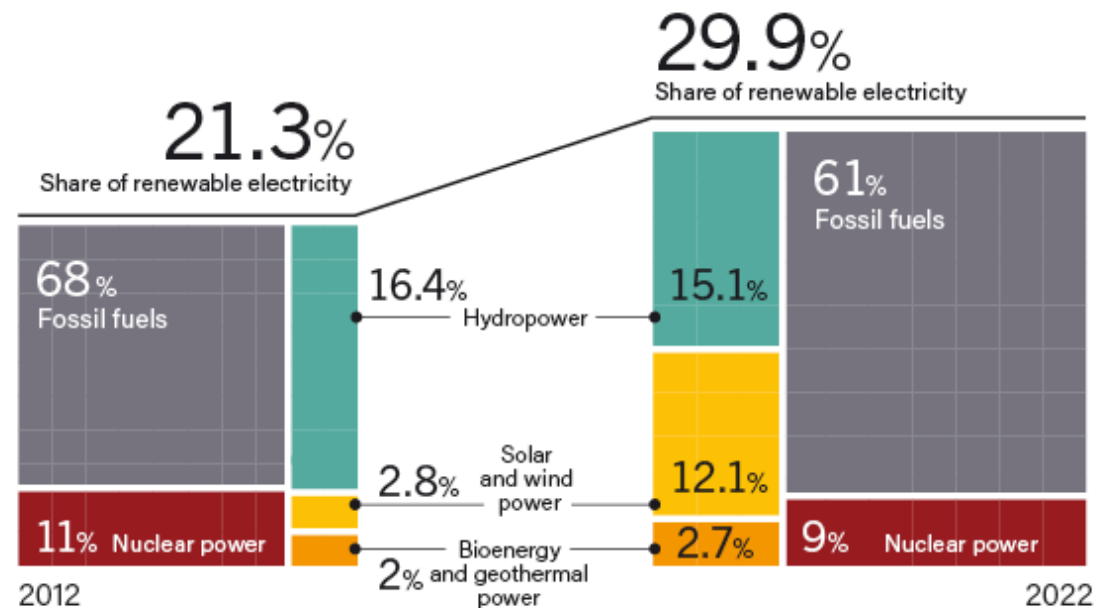
EM-DAT (2022)

# a) Global surface temperature change relative to 1850-1900






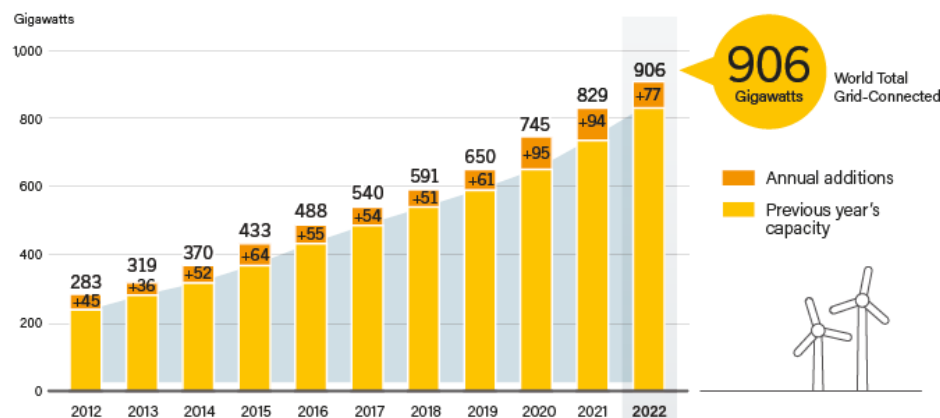
# Variable Renewable Energy on the Rise




Renewable share of electricity generation increased by almost **9** percentage points in the past decade.

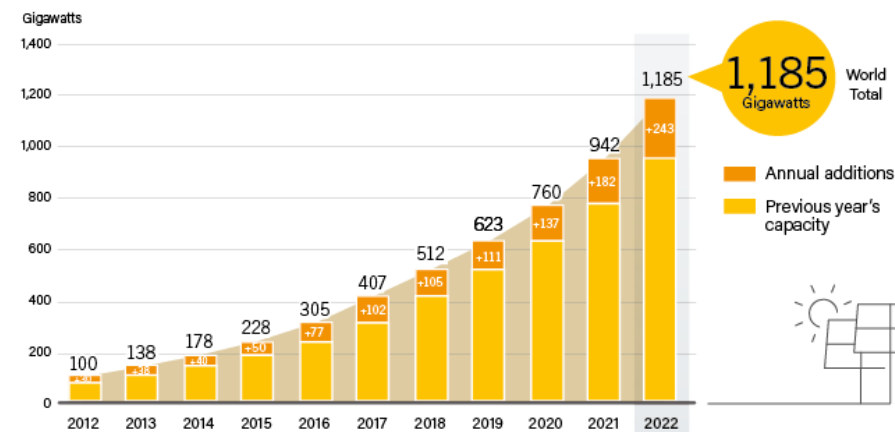


 Wind Power Global Capacity and Annual Additions, 2012-2022

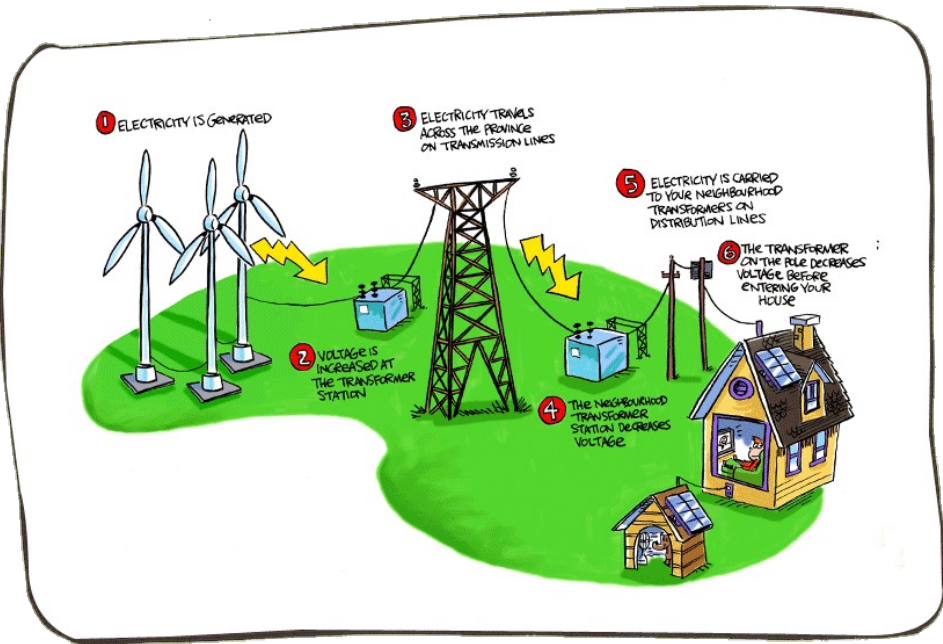


Note: Totals may not add up due to rounding. Additions in 2022 are gross.

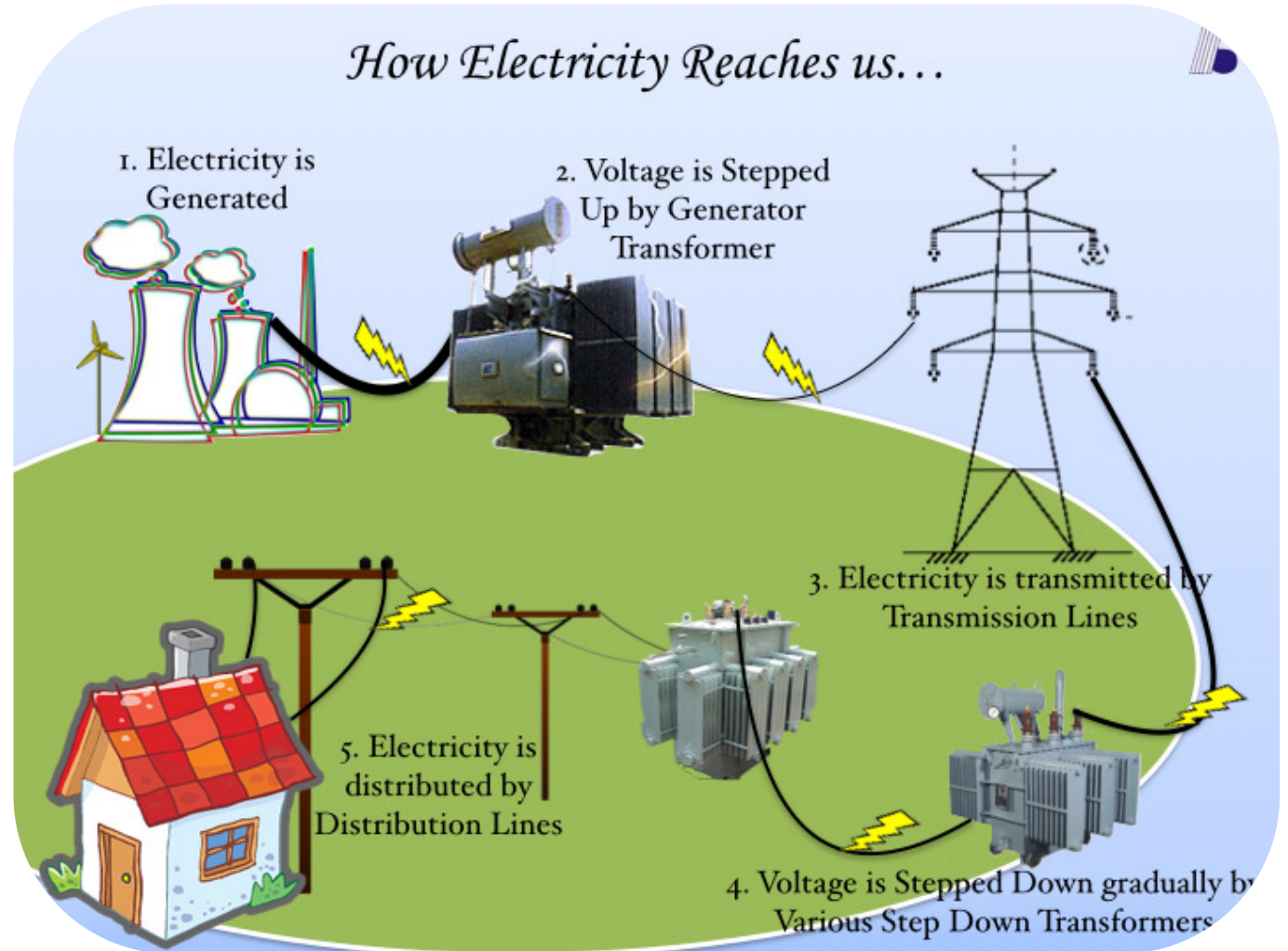
 Solar PV Global Capacity and Annual Additions, 2012-2022



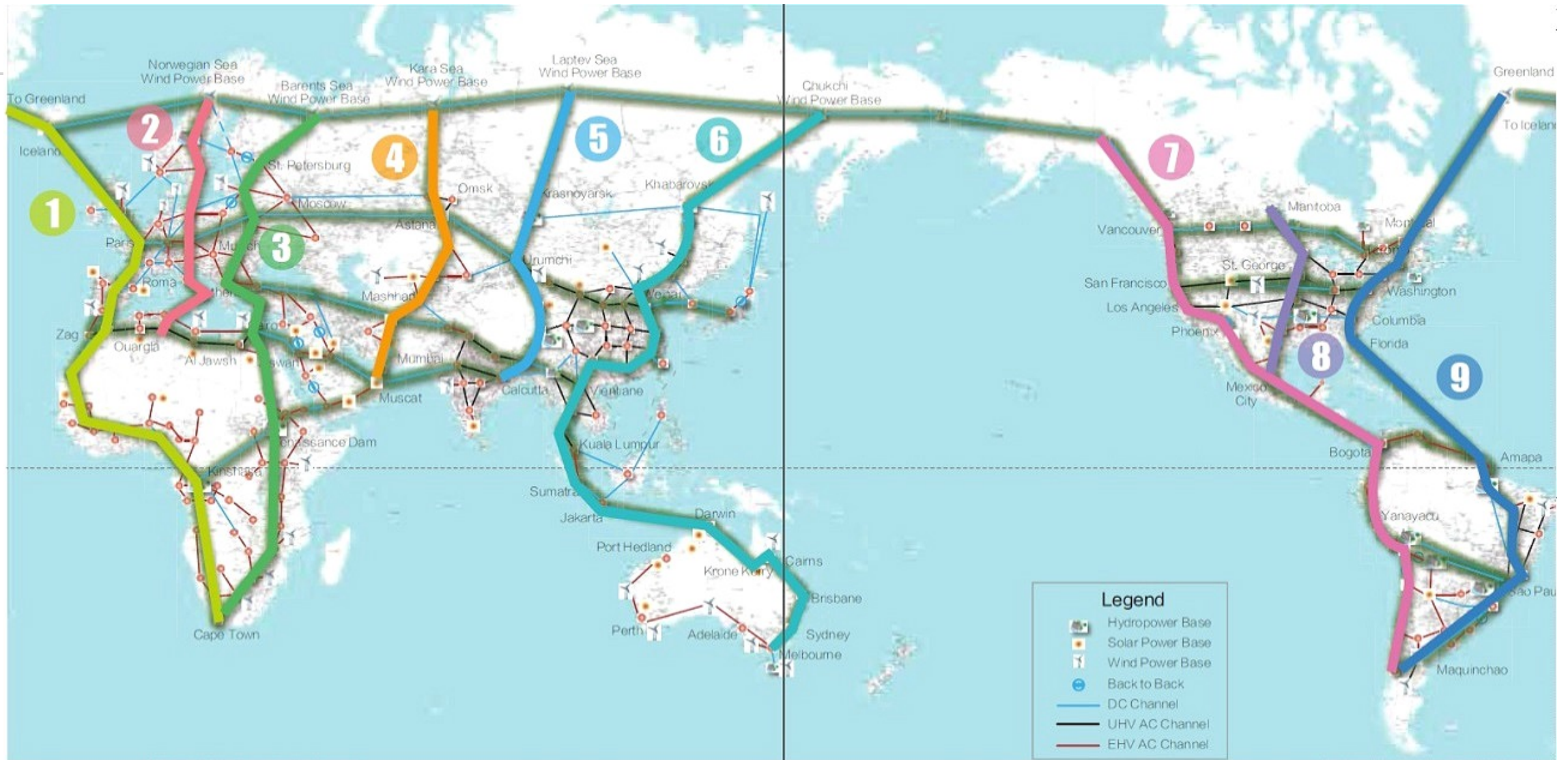
# A small action ...



## *How Electricity Reaches us...*

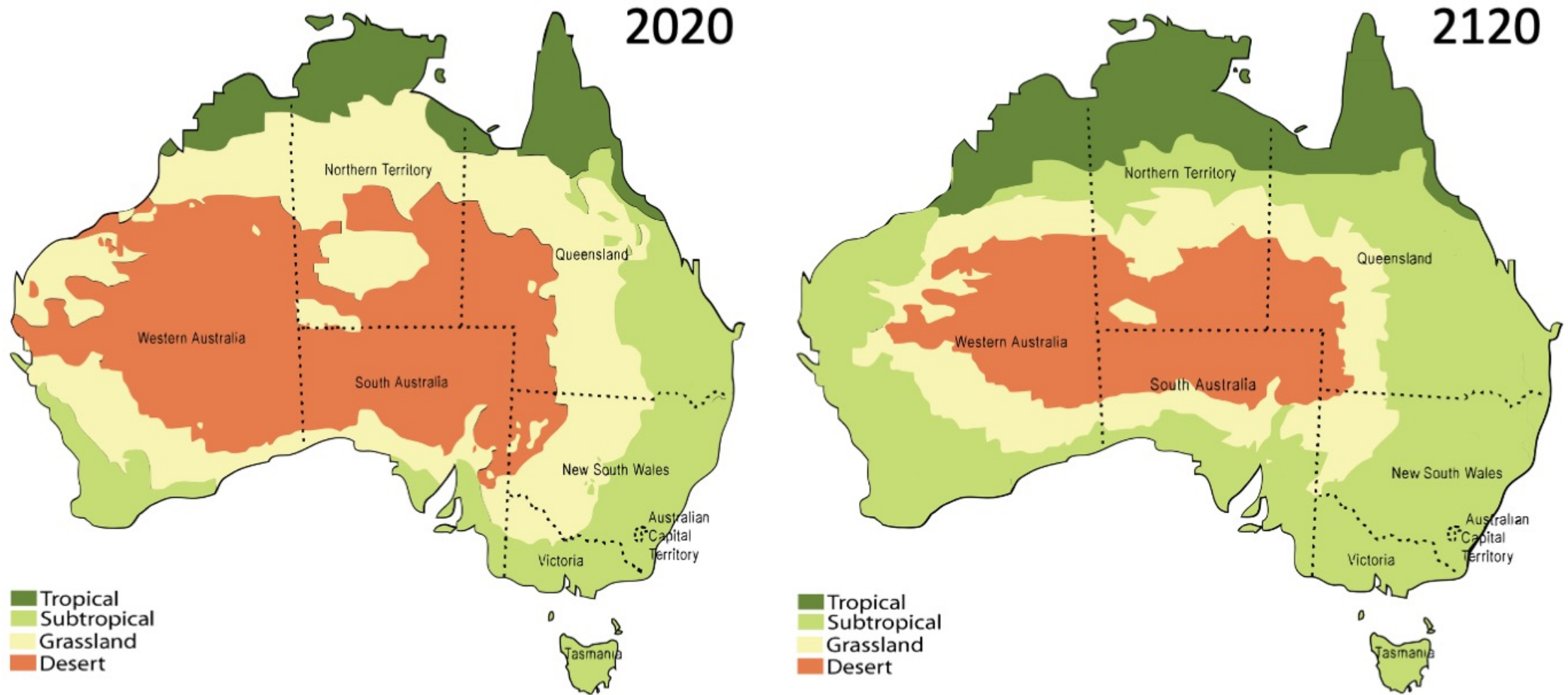


# A big action ... Global Electricity Interconnection

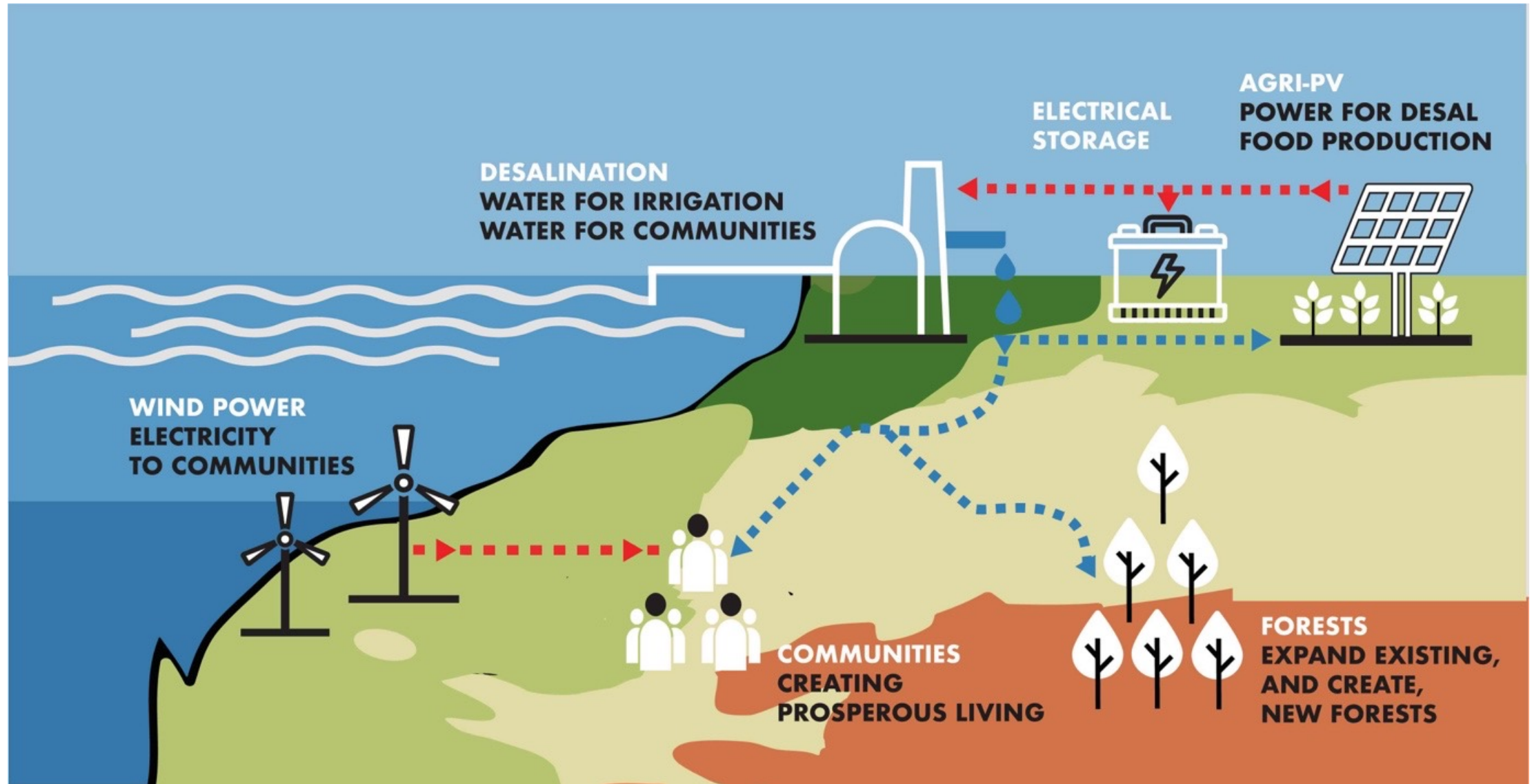




# Another biggy ... Rebalancing Australia's Outback



# Rebalancing Australia's Outback







**Let's respect the  
laws of the blue sky!**





This is the only Planet we have!



Enjoy

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2023