

Nat Cat as a growing risk pool – the drivers

November 2023



sigma catastrophe loss database

- Collects natural and man-made disaster losses since 1970
- Global scale
- Wide range of hazards covered
- Variables: human/social and monetary losses
- Thresholds apply
- Adjusted for inflation
- Over 15,000 events

sigma

Natural catastrophes and inflation in 2022: a perfect storm

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2023: natural catastrophe insured losses set to continue rising

Global insured natural catastrophe losses, in USD billions at 2022 prices



2023
USD 100bn

Key 2023 events

Record high severe convective storms

Winter storm Ciaran

Italy hailstorms

EQ in Turkey, Syria

Hurricane Idalia

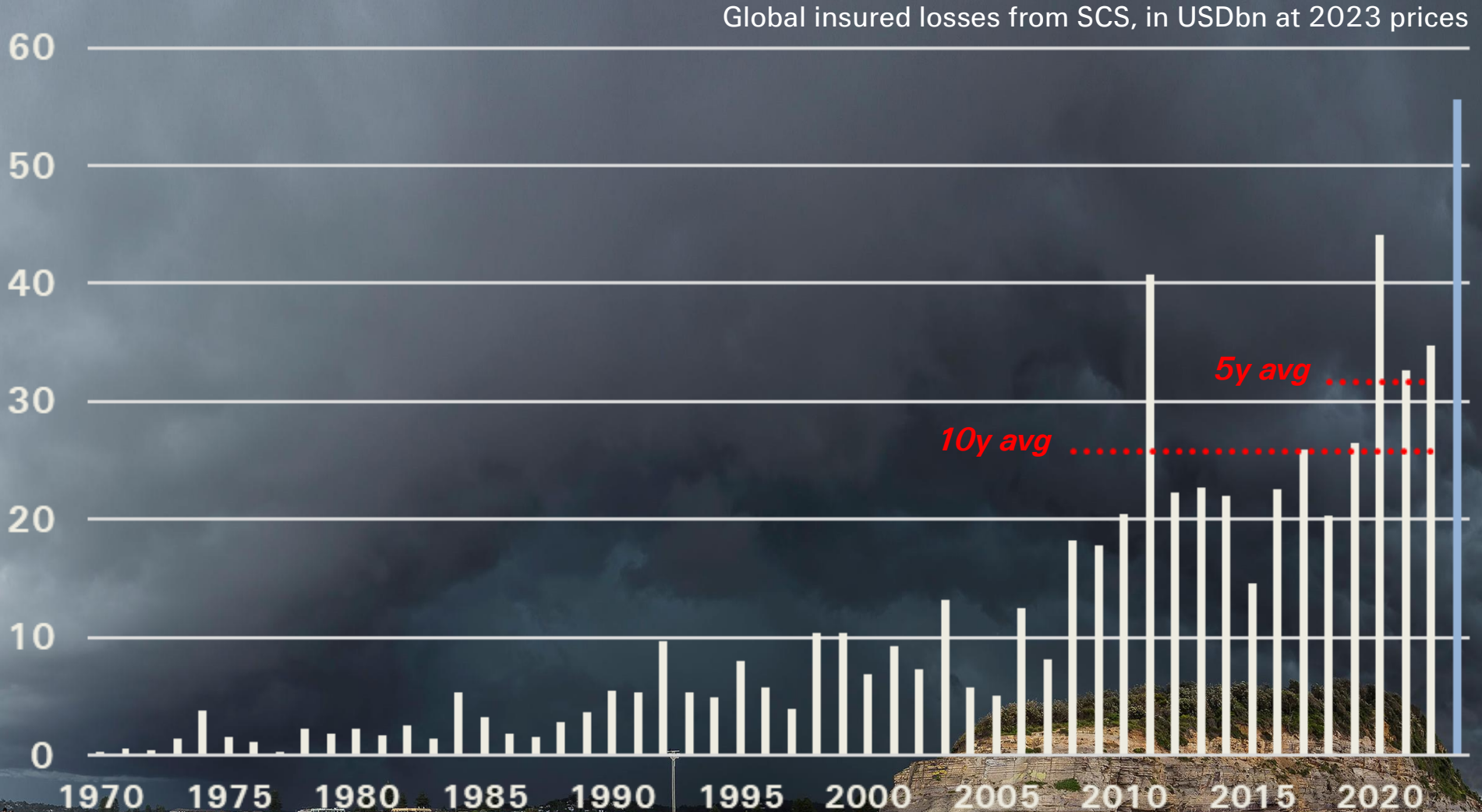
Wildfires
Hawaii

Hurricane Otis

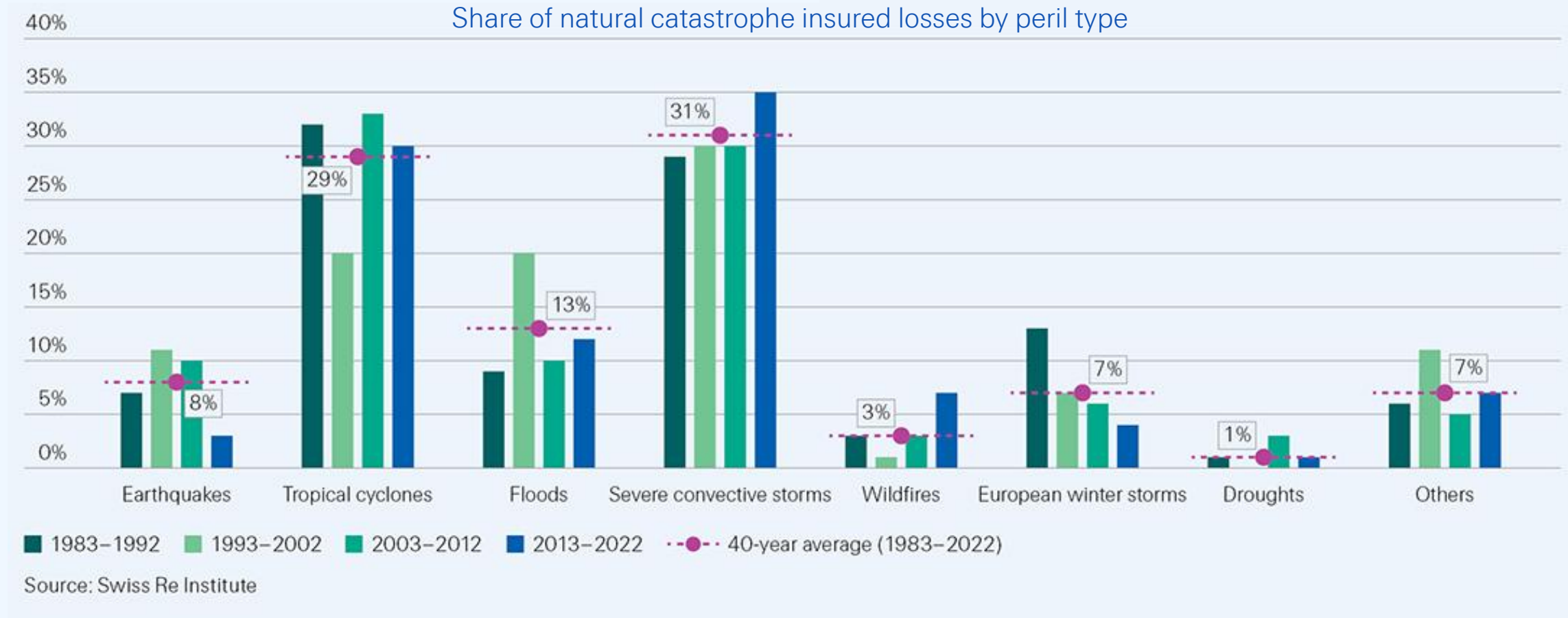
EQ in Morocco

NZ flood

Record high severe convective storm losses

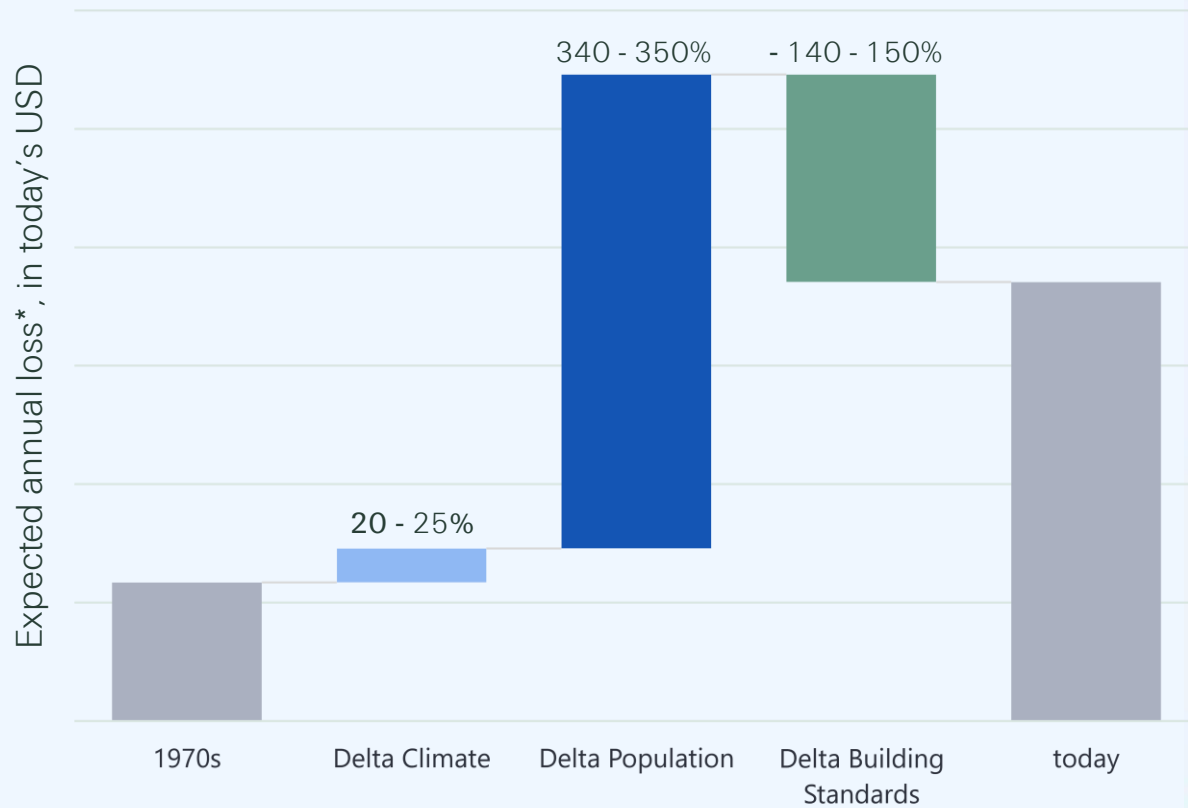


SCS and TC accounted for 60% of global insured losses in the past 40 years

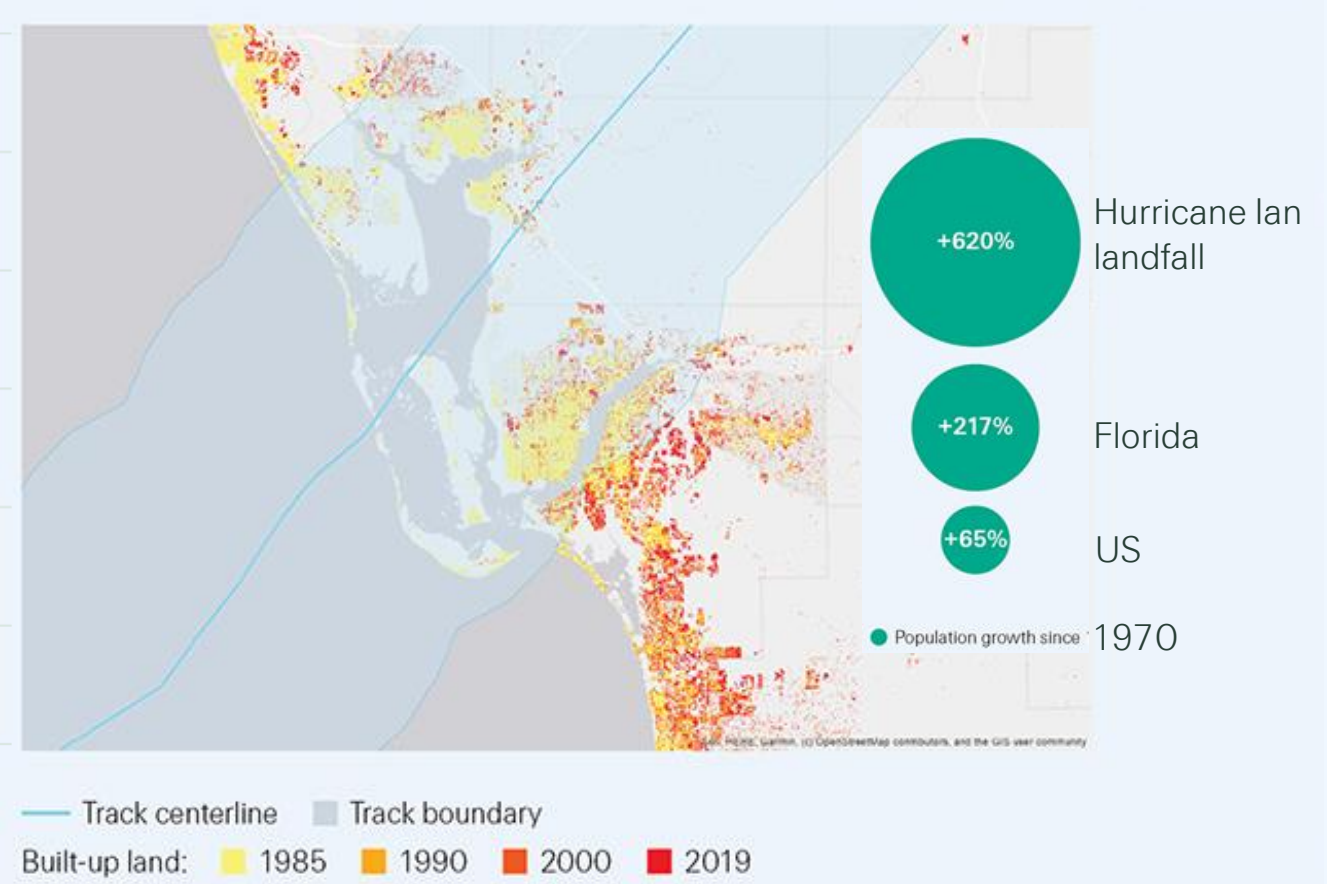


Hurricane Ian: a prime example of exposure growth in exposed regions

Change in expected losses in Ian's landfall area, by driver



Changes in built-up land in Ian's landfall area

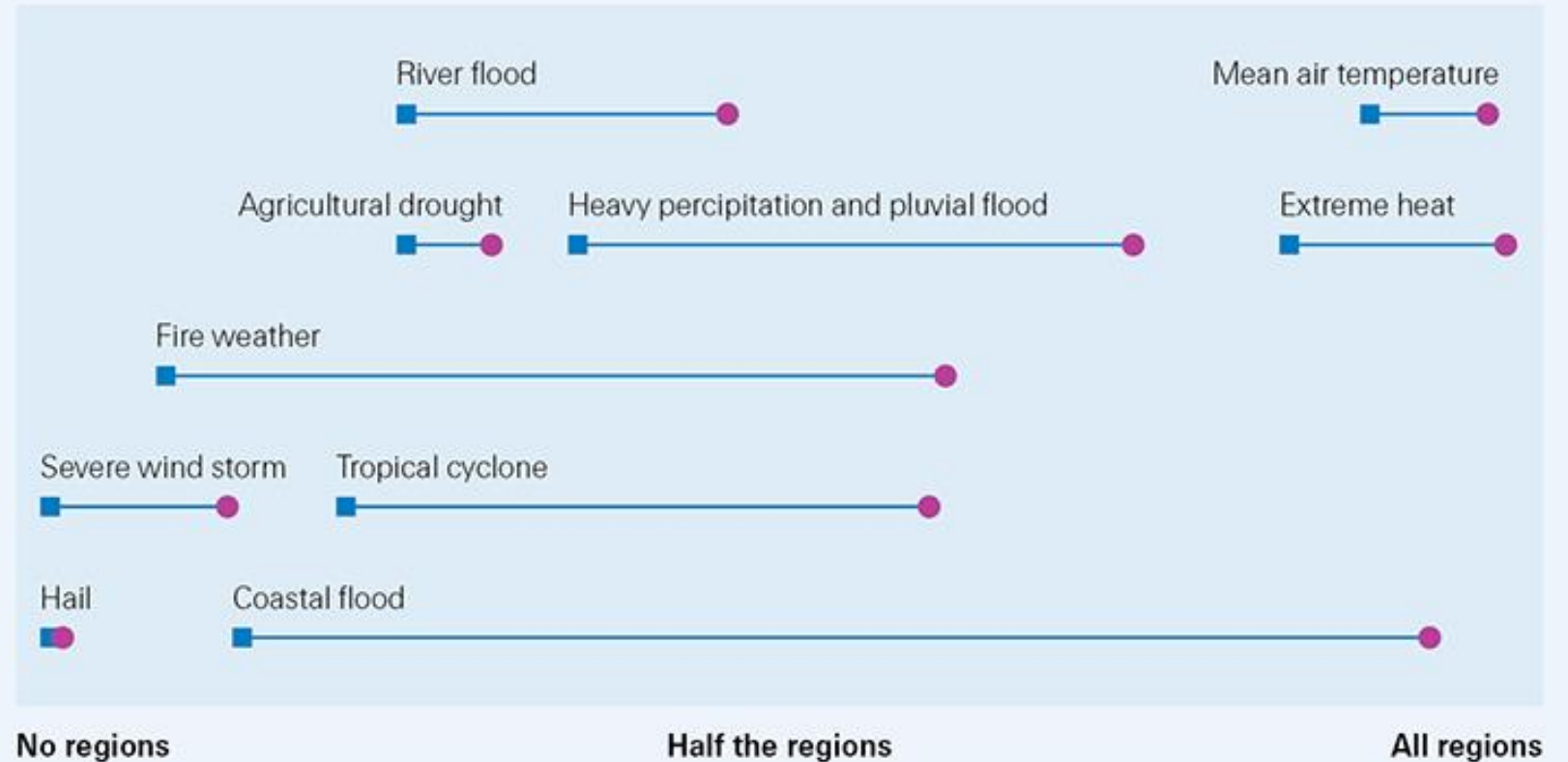


Sources: German Aerospace Center, National Hurricane Center, US Census Bureau, Swiss Re Institute

What about climate change?

- Climate change effects likely play a role in increasing losses
- Most widespread changes in extreme heat, heavy precipitations and drought
- Less consistent trends for other perils (wind, hail)

Extent of observed and projected changes due to climate change in weather related perils



Share of global regions with changes in weather related perils ■ Observed ● Projected

Source: Swiss Re Institute, based on IPCC

Thank you!

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