

Extreme heat and cold in a changing climate: Impacts on human health in the EU & UK

A grim future

The area of the red and blue circles represents fatalities from extreme heat and extreme cold respectively.

Projected annual deaths due to extreme heat in 2100 without adaptation

3 °C rise: 90,000

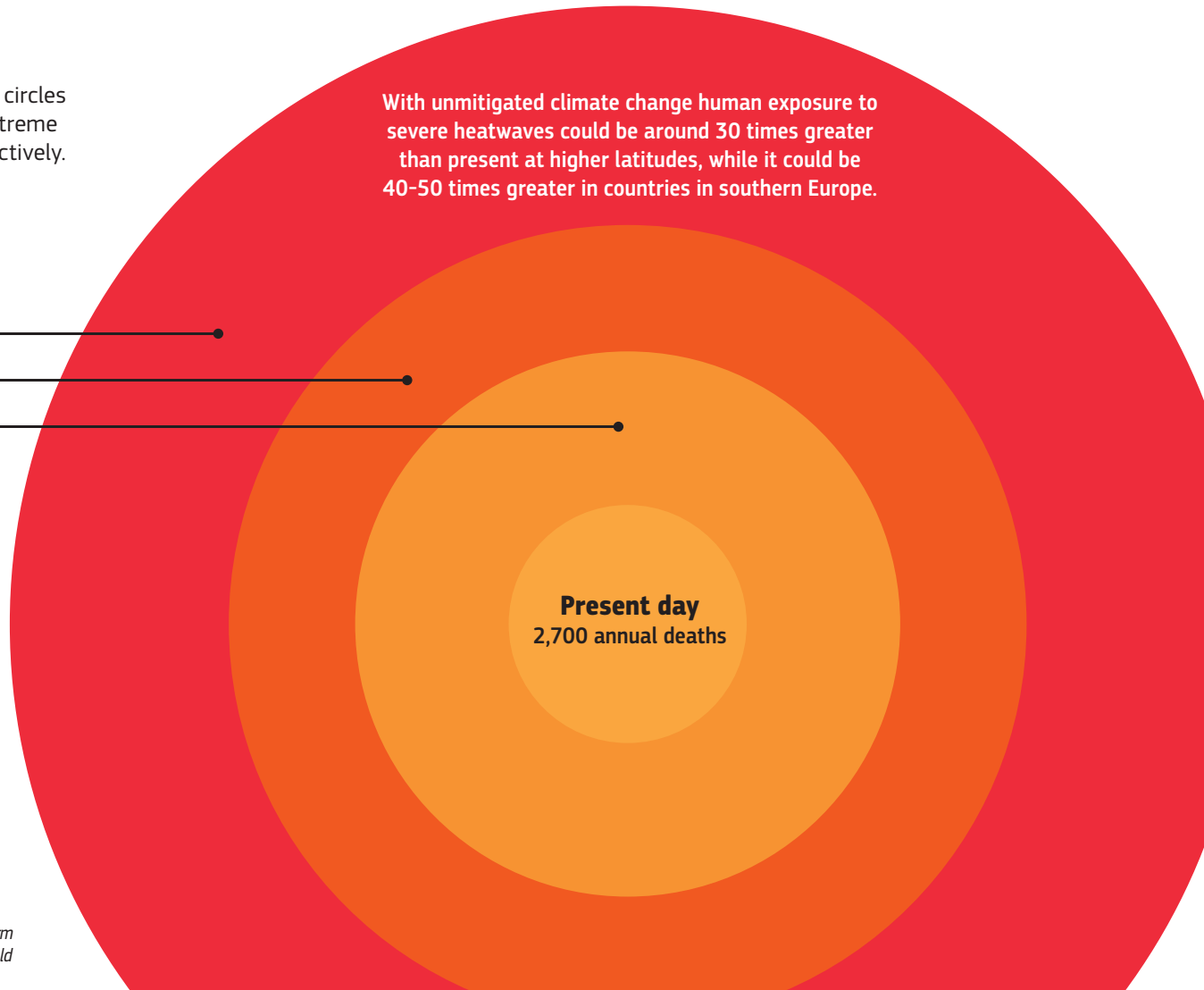
2 °C rise: 49,000

1.5 °C rise: 29,000

Projected annual deaths due to extreme cold in 2100 without adaptation



Heat (or cold) waves are instances of more than 3 consecutive days with EXTREME warm (or cold) temperature above a daily threshold



Adaptation options



Stay cool



Stay hydrated



Stay informed



Sustainable Green Cities:

- green roofs
- parks
- shaded areas

A north - south divide

The rise in exposure to and fatalities from extreme heat is most pronounced in southern European countries and the highest number of fatalities occur in France, Italy and Spain.

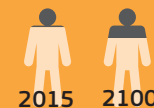
Urban heat island

During hot spells, temperatures can be several degrees higher in cities compared to surrounding rural areas.

Vulnerable people

Sensitivity or susceptibility to harm and lack of capacity to cope and adapt, like elderly.

Proportion of population aged over 65 years



The share of people older than 65 will increase from 19% now to 30% by end of this century.