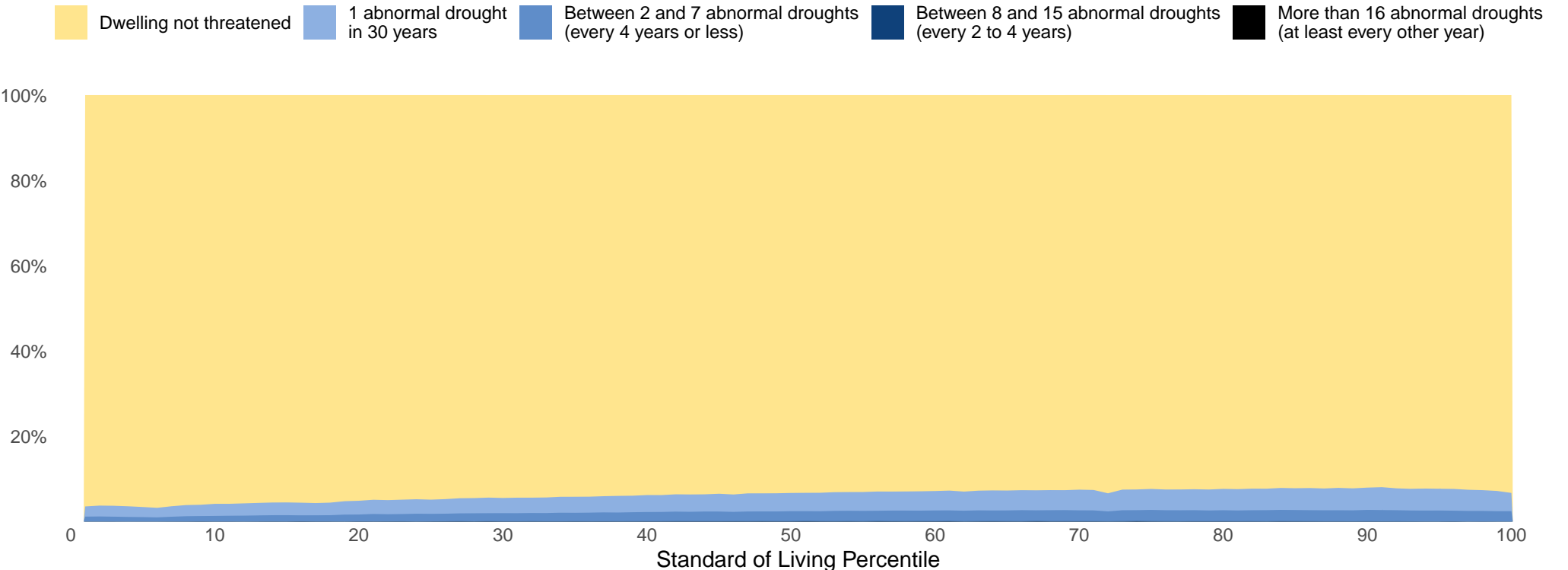


Households' Main Residence Threatened by Shrink–Swell in Metropolitan France between 2021 and 2050

Distribution of households by standard of living and frequency of geotechnical droughts likely to trigger shrink–swell and damage the main residence according to the IPCC's 4.5 Representative Concentration Pathway



Dwellings not threatened by clay shrink–swell are houses located outside of clay areas, houses in low to high exposure zones without any geotechnical droughts with a return period of at least 25 years in 30 years, and all flats.

Sources: Clay Shrink–Swell Exposure Mapping, BRGM 2019; Soil Wetness Index projections, Météo France 2020; Fidéli 2017, Insee; Insee 2024