

# Heat dome causes Europe's deadly heatwave

A "heat dome" developing over southern Europe is expanding north, engulfing much of the continent in a long-lasting heatwave, with August temperatures breaking historical records

## HEAT DOME FORMATION

### Anti-cyclone

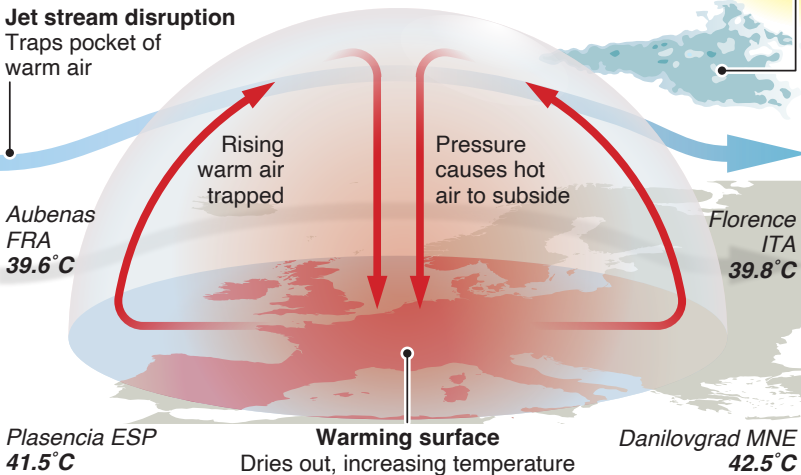
Remains over region for prolonged period

### Jet stream disruption

Traps pocket of warm air

HIGH PRESSURE

Clouds diverted around dome, allowing further solar irradiation



🔥 Wildfires from Iberian Peninsula to Balkans

**Heat dome typically lasts four days but can persist for two weeks or more**

## HEATWAVE SAFETY

Air temperature °C

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
40	27	28	29	30	31	32	34	35	37	39	41	43	46	48	51	54	57
45	27	28	29	30	32	33	35	37	39	41	43	46	49	51	54	57	
50	27	28	30	34	33	34	36	38	41	43	46	49	52	55	58		
55	28	29	30	32	34	36	38	40	43	46	48	52	55	59			
60	28	29	31	33	35	37	40	42	45	48	51	55	59				
65	28	30	32	34	36	39	41	44	48	51	55	59					
70	29	31	33	35	38	40	43	47	50	54	58						
75	29	31	34	36	39	42	46	49	53	58							
80	30	32	35	38	41	44	48	52	57								
85	30	33	36	39	43	47	51	54									
90	31	34	37	41	45	49	54										
95	31	35	38	42	47	51	57										
100	32	36	40	44	49	54											

Apparent temperature

    Caution 
     Extreme caution 
     Danger 
     Extreme danger