

CLIMATE CASE FILES

GROUP 1 – VALENCIA

- Sea surface temperatures higher than usual
- Short, extremely intense rainfall events
- Urban flooding in low areas
- Rainfall broke previous records

GROUP 2 – DUBAI/GULF REGION

- Very high atmospheric humidity
- Rare but record-breaking rainfall
- Infrastructure not designed for frequent heavy rain
- Major disruption in a typically dry region

GROUP 3 – SICILY/MEDITERRANEAN

- Prolonged heatwaves
- Soil moisture extremely low
- Followed by sudden heavy rainfall
- Landslides and erosion

GROUP 4 – PORTUGAL

- Repeated summer heatwaves with temperatures far above the historical average
- Long dry periods and very low soil moisture
- Large wildfires burning forests and rural areas
- Heavy smoke and heat affecting nearby towns and cities

GROUP 5 – SLOVENIA

- Record or near-record rainfall over mountain and valley regions
- Rivers and streams leaving their normal channels
- Slopes becoming unstable after intense rain on already wet ground
- Landslides and mudflows damaging houses, roads, and bridges



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GROUP 6 – TORNADOES IN EUROPE

- Isolated but very intense storms forming in late spring or summer, often on very hot, humid days
- Strong rotating winds damaging roofs, trees, and power lines along a narrow path
- Tornadoes appearing in regions not used to such events (e.g. parts of Central and Eastern Europe)
- Local communities surprise; buildings and infrastructure not designed for this risk

GROUP 7 – GREECE DROUGHT

- Repeated summer heatwaves with temperatures far above historical averages
- Very low winter rainfall in several regions
- Reservoir levels dropped significantly in some areas (e.g. Lake Mornos, which supplies water to half of Athens)
- Water shortages affecting cities, islands, agriculture, and tourism across the country

