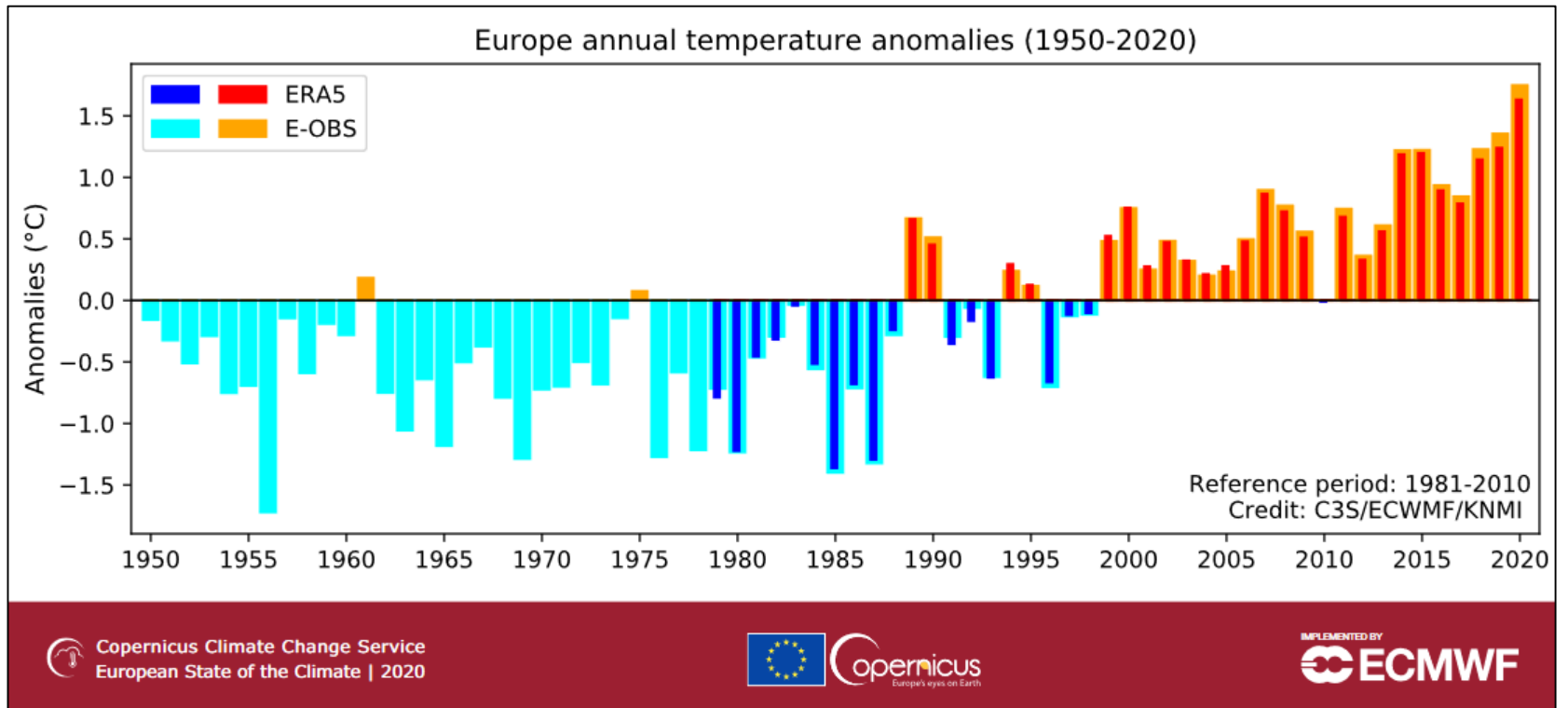


# Climate change in WMO Regional Association VI, Europe

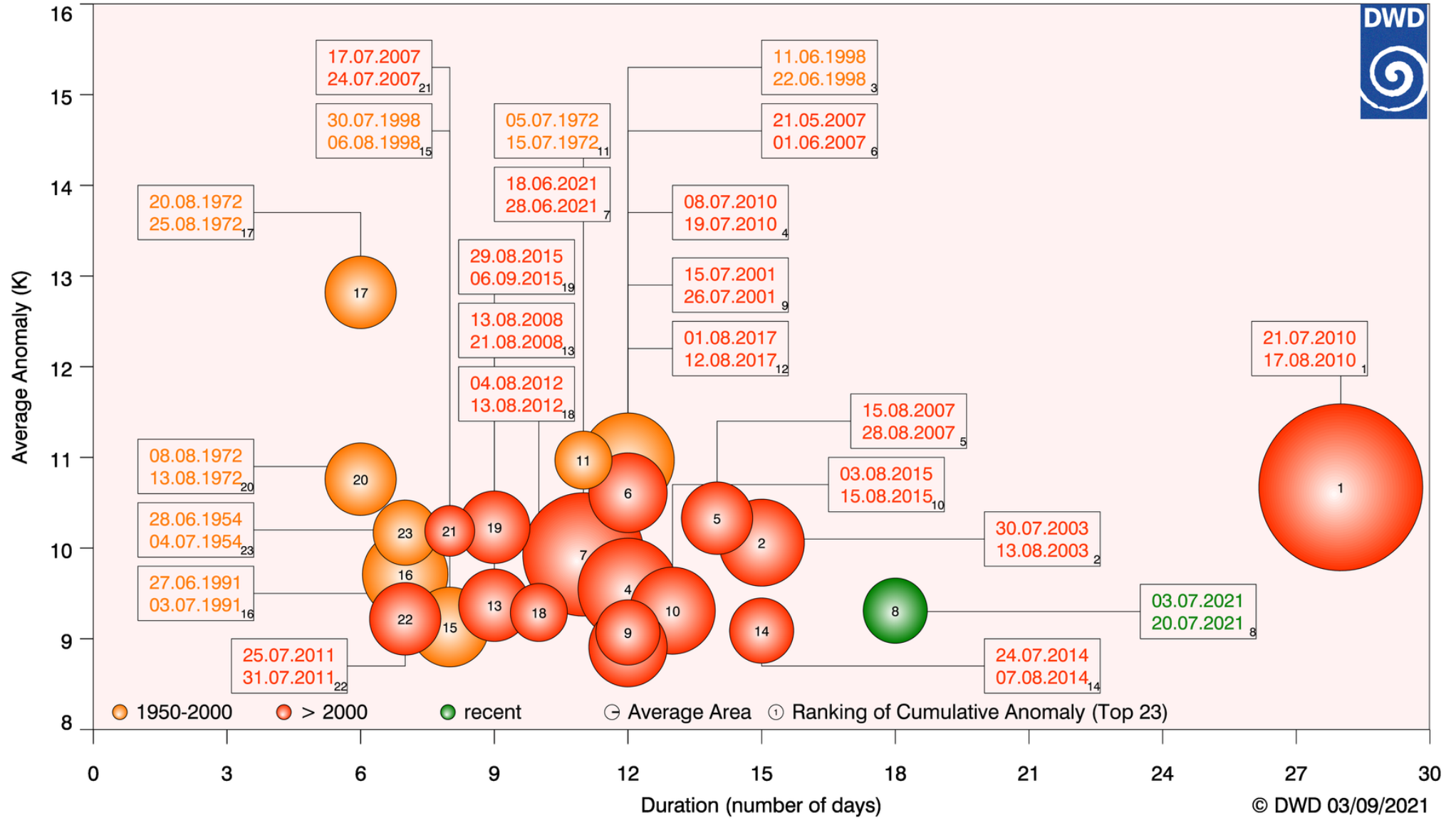


What's distinctive about the region?

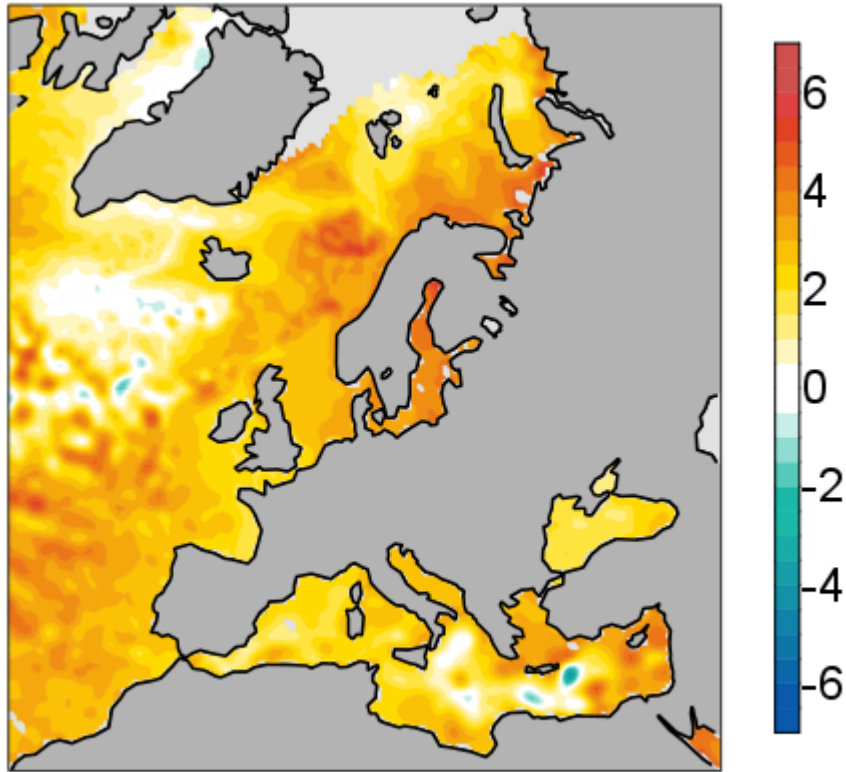
- Big areas with little to no observations;
- Highly populated areas with high value infrastructure exposed to natural hazards, especially precipitation, wind, and temperature;
- Many institutions with high competencies, including Copernicus;
- divers data policies

# Heat Waves over Europe 1950 - 2021

(Tmax > 98th Percentile, Tmax > 28°C, Duration ≥ 3 Days)



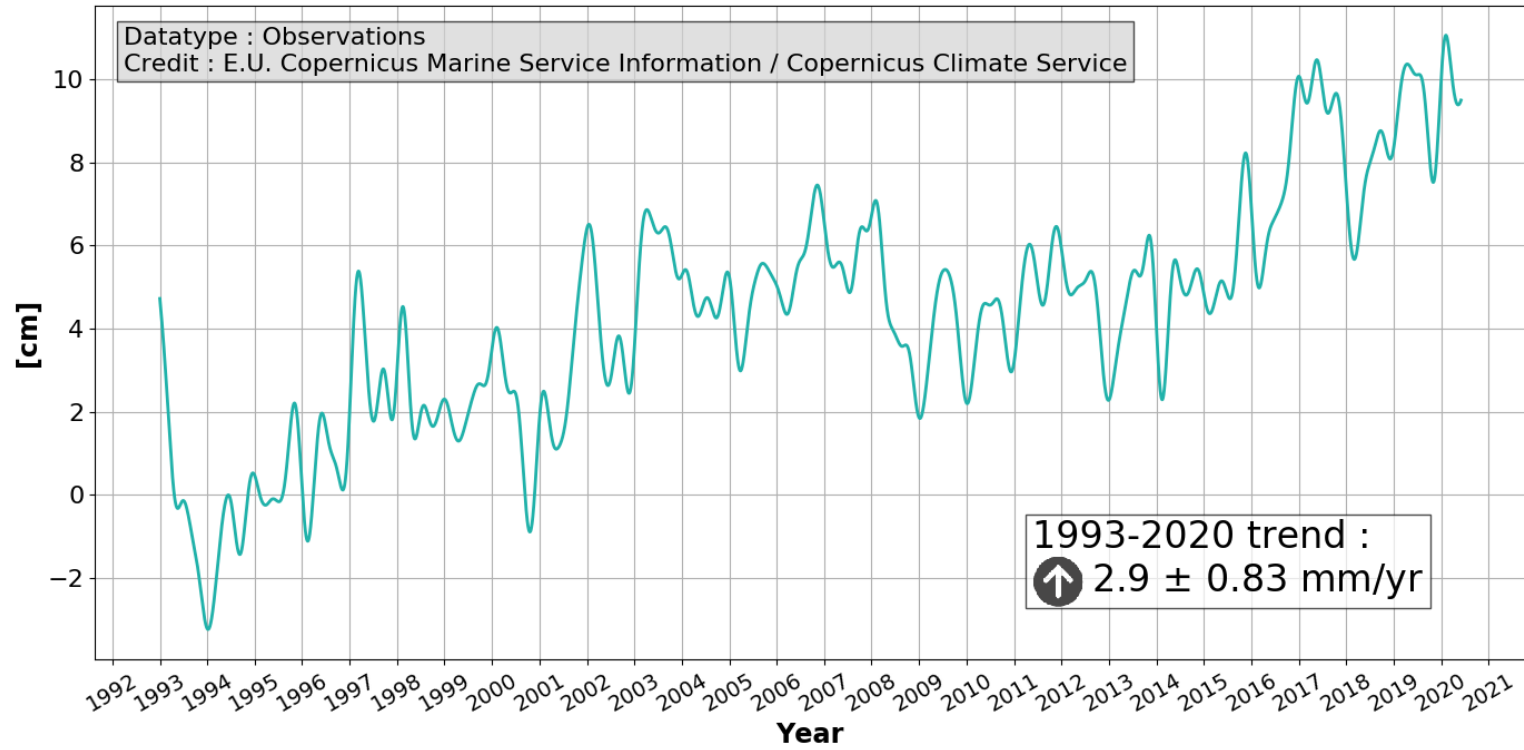
Mean sea level trend (mm/year)



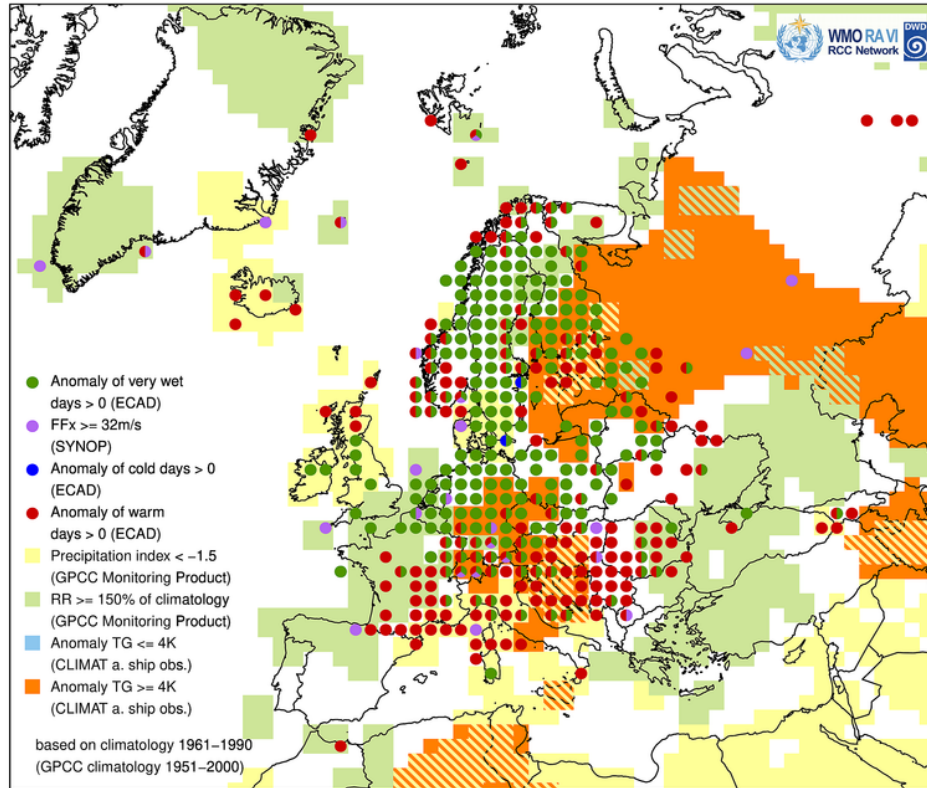
Period: Jan 1993-October 2019



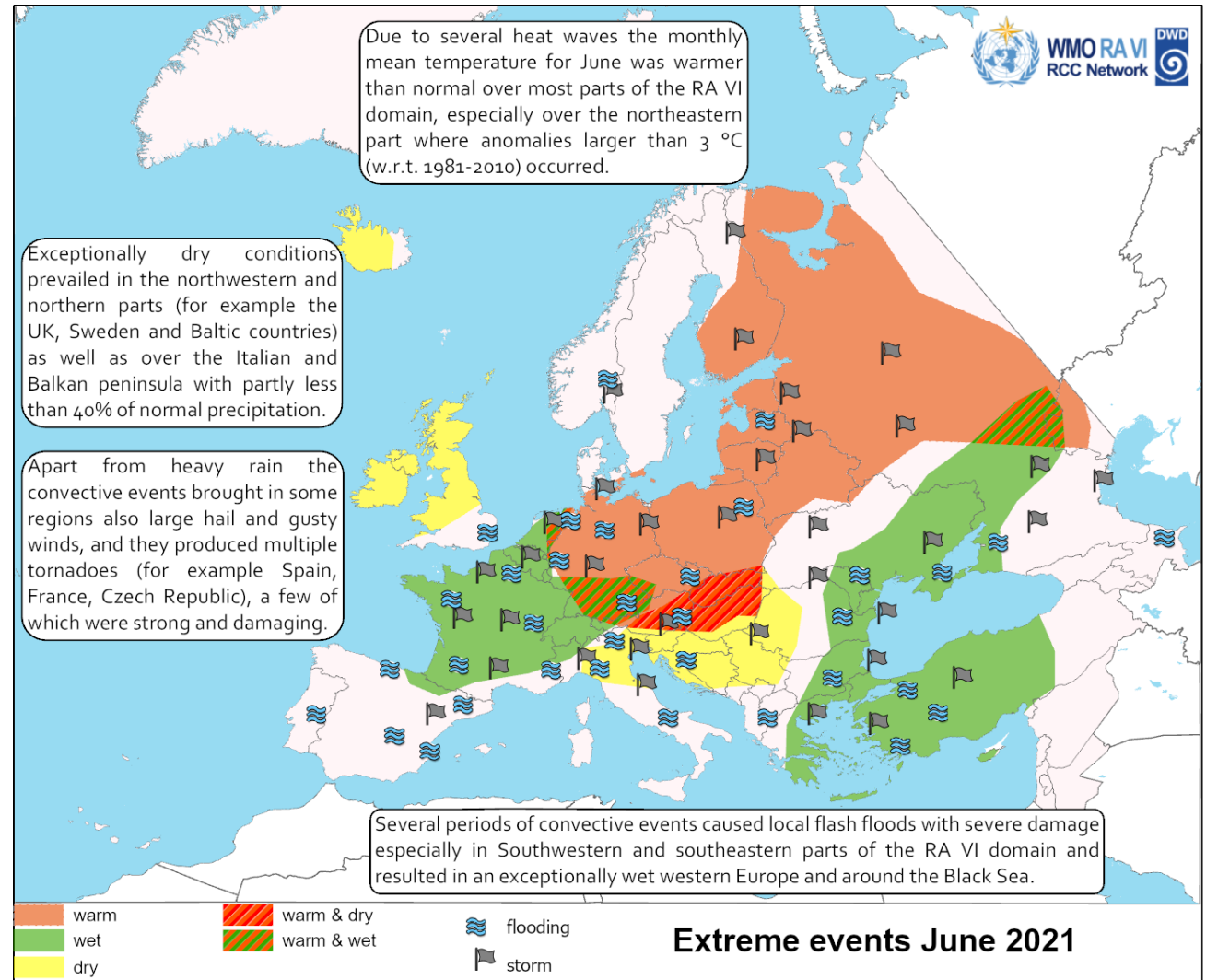
Mean Sea Level: North West Shelf



## Event Map June 2021



© DWD 01/10/2021



# Climate Watch Advisory

## Guidance on precipitation ID: 202116-u3

**Area concerned:** Ireland, United Kingdom, Denmark, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, northwestern European Russia



**Initial statement issued on 28 September 2021**  
**First update issued on 5 October 2021**  
**Second update issued on 12 October 2021**  
**Third update issued on 15 October 2021**

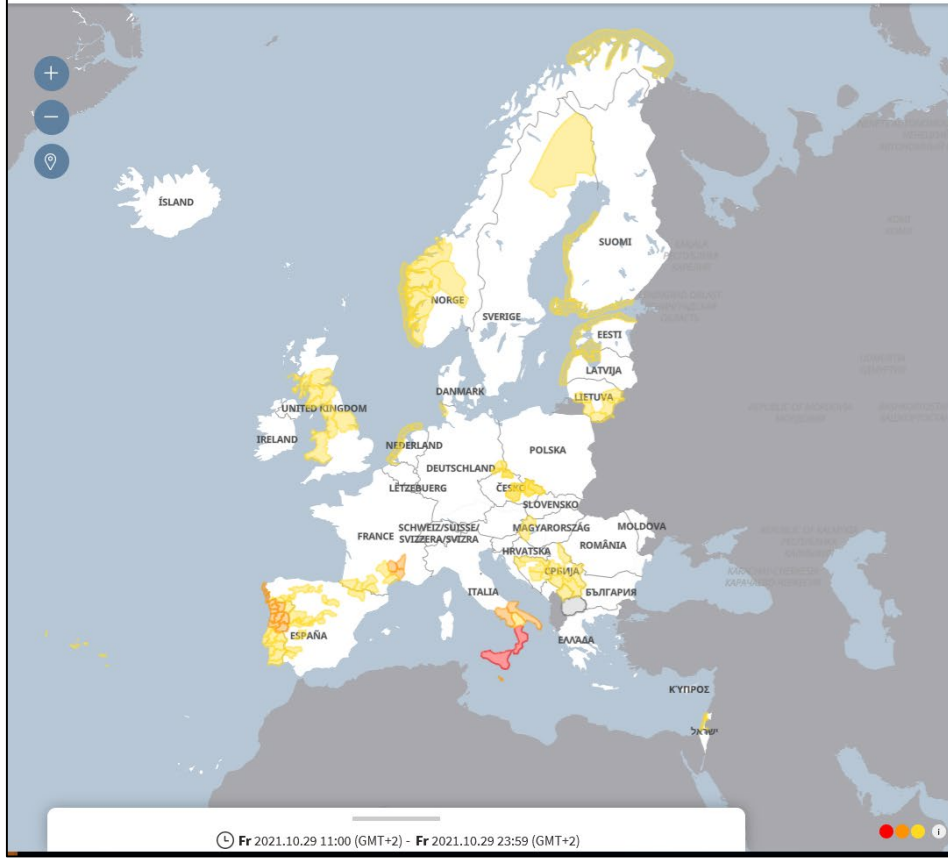
**Valid:**  
**Begin: 15 October 2021**  
**End: 29 October 2021**

**To:** Climate Watch focal points of NMHS of Ireland, United Kingdom, Denmark, Norway, Sweden, Finland, Estonia, Latvia, Lithuania, Russia

The RA VI RCC Network Offenbach Node on Climate Monitoring (RCC Node-CM) is responsible for providing Climate Watch guidance information for NMHSs' own consideration for issuing climate advisories for their territory. After having consulted the consortium partners of the RCC Node-CM and RCC Node-LRF (RA VI RCC Network Toulouse and Moscow Node on Long-Range Forecasting), RCC Node-CM issues the following guidance information:

**Due to the results from monthly forecasts, we expect:**

**"Above-normal precipitation in Northern Europe during the next two weeks. Weekly anomalies will be +10-30mm in many parts, at the west coasts of the United Kingdom and Norway partly above. Weekly totals can exceed locally 40-100mm, particularly near the seas. Probabilities are above 70-90% for the first week, 60-70% for the second week. In northern parts of the concerned area and on higher-elevated sites, risk of high snow accumulation. Strong wind gusts can appear temporarily. There is an increased risk of flooding and landslides in exposed places."**



**Alert List**  
 Find all alerts in list form in the section below. Filter them by country or hazard type.

Country	Hazard Types	Alert Count
Portugal	☀️ ☁️ 🌧️ 🌪️	34
Spain	🌪️ 🌧️ ☀️	29
France	🌪️ ☀️ ⚡️ 🌧️ 🌪️	16
Serbia	🌧️ 🌪️ 🌪️	12
Italy	☀️ 🌪️ ☀️ ⚡️ 🌧️ 🌪️ ⚡️ ☀️	11
Czechia	🌧️	10