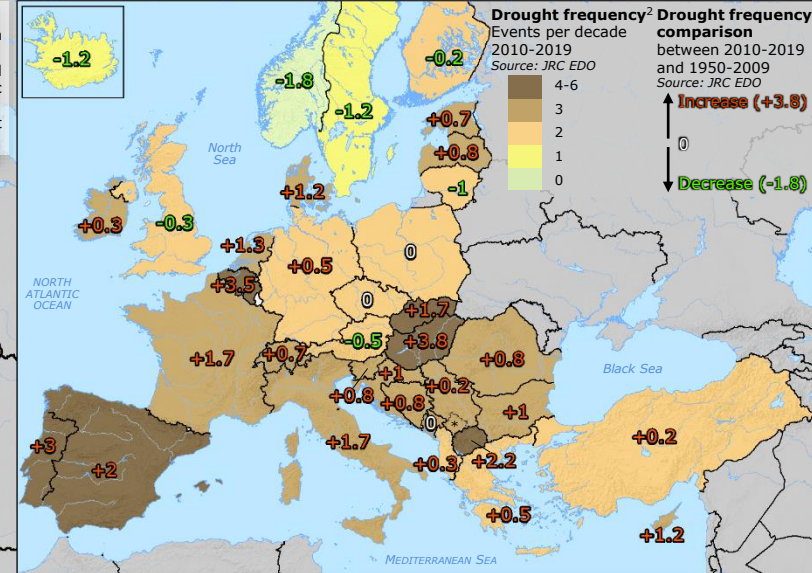


Europe | Drought 2010-2019

Map information

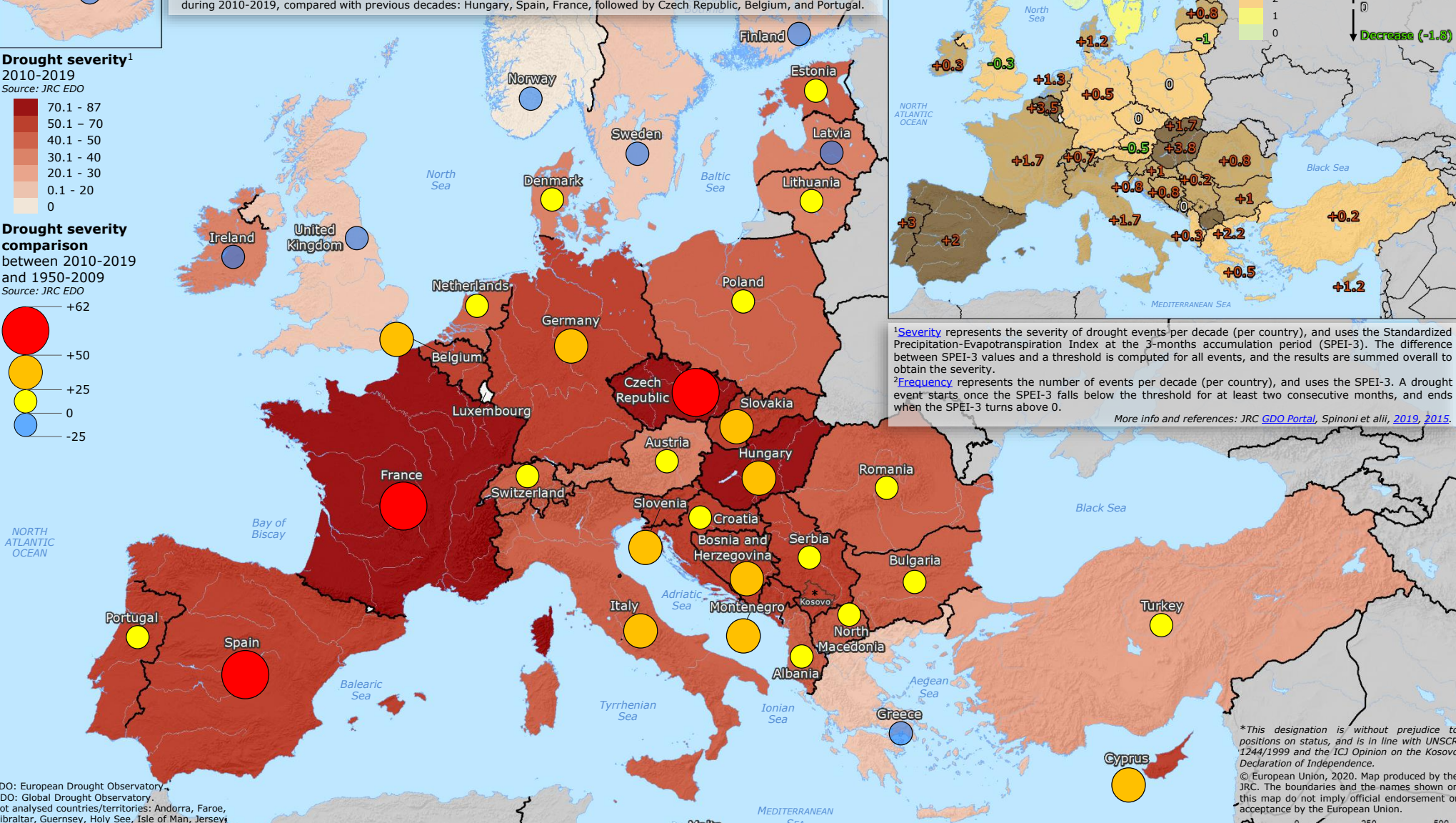
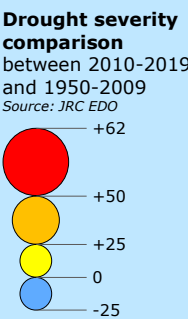
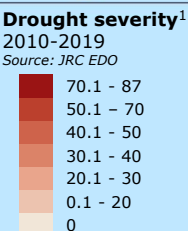
- The time series of 2010-2019 of the drought frequency and severity was used to represent the drought, and its trends in comparison with the previous period 1950-2009.
- Increased drought frequency (during 2010-2019, compared to 1950-2009) was experienced by Iberian Peninsula, Belgium, and Hungary (this latter reports the largest increase). Increased drought severity was experienced by Spain, France, Czech Republic (the largest), and Hungary too.
- Combining frequency and severity, it is possible to identify "hotspots" affected more frequently and more severely by drought during 2010-2019, compared with previous decades: Hungary, Spain, France, followed by Czech Republic, Belgium, and Portugal.



Drought frequency² comparison
 Events per decade
 2010-2019
 Source: JRC EDO

Drought frequency² comparison
 between 2010-2019
 and 1950-2009
 Source: JRC EDO

↑ Increase (+3.8)
 ↓ Decrease (-1.8)



¹Severity represents the severity of drought events per decade (per country), and uses the Standardized Precipitation-Evapotranspiration Index at the 3-months accumulation period (SPEI-3). The difference between SPEI-3 values and a threshold is computed for all events, and the results are summed overall to obtain the severity.

²Frequency represents the number of events per decade (per country), and uses the SPEI-3. A drought event starts once the SPEI-3 falls below the threshold for at least two consecutive months, and ends when the SPEI-3 turns above 0.

More info and references: JRC [GDO Portal](#), Spinoni et alii, [2019](#), [2015](#).

EDO: European Drought Observatory
 GDO: Global Drought Observatory
 Not analysed countries/territories: Andorra, Faroe, Gibraltar, Guernsey, Holy See, Isle of Man, Jersey, Liechtenstein, Luxembourg, Malta, Monaco, San Marino

*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo Declaration of Independence.
 © European Union, 2020. Map produced by the JRC. The boundaries and the names shown on this map do not imply official endorsement or acceptance by the European Union.

