

Guidance on **drought** ID: 201808-u9

Area concerned: Particularly parts of western and central Europe (France, Netherlands, Belgium, Luxembourg, Germany, Poland, Czech Republic)

Initial statement issued on 6 July 2018
First update issued on 20 July 2018
Second update issued on 3 August 2018
Third update issued on 17 August 2018
Fourth update issued on 24 August 2018
Fifth update issued on 07 September 2018
Sixth update issued on 19 September 2018
Seventh update issued on 2 October 2018
Eighth update issued on 16 October 2018
Ninth update issued on 24 October 2018

Valid: Begin: on 24 October 2018

End: 5 November 2018

To: Climate Watch focal points of NMHSs: France, Netherlands, Belgium, Luxembourg, Germany, Poland, Czech Republic

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:

"A continuation of the drought situation for at least the next two weeks for parts of western and central Europe is expected. The probability is locally more than 70% that precipitation will be below the lower tercile.

This drought may be accompanied by water scarcity, low river levels, risks of wildfires and harvest losses since soil moisture is reduced."

This information should be used as guidance for the National Meteorological and Hydrological Services (NMHS) in a pre-operational mode. It is up to the above mentioned NMHSs to closely monitor the status and evolution of the current climate conditions and to consider issuing a national Climate Watch Advisory. RCC Node-CM would appreciate feedback from NMHS whether this information was helpful. Also, any suggestion on further pieces of information needed by NMHSs is highly welcomed!

On demand we provide you with a template for a national climate watch advisory as agreed among the climate watch pilots and RCC Node-CM.

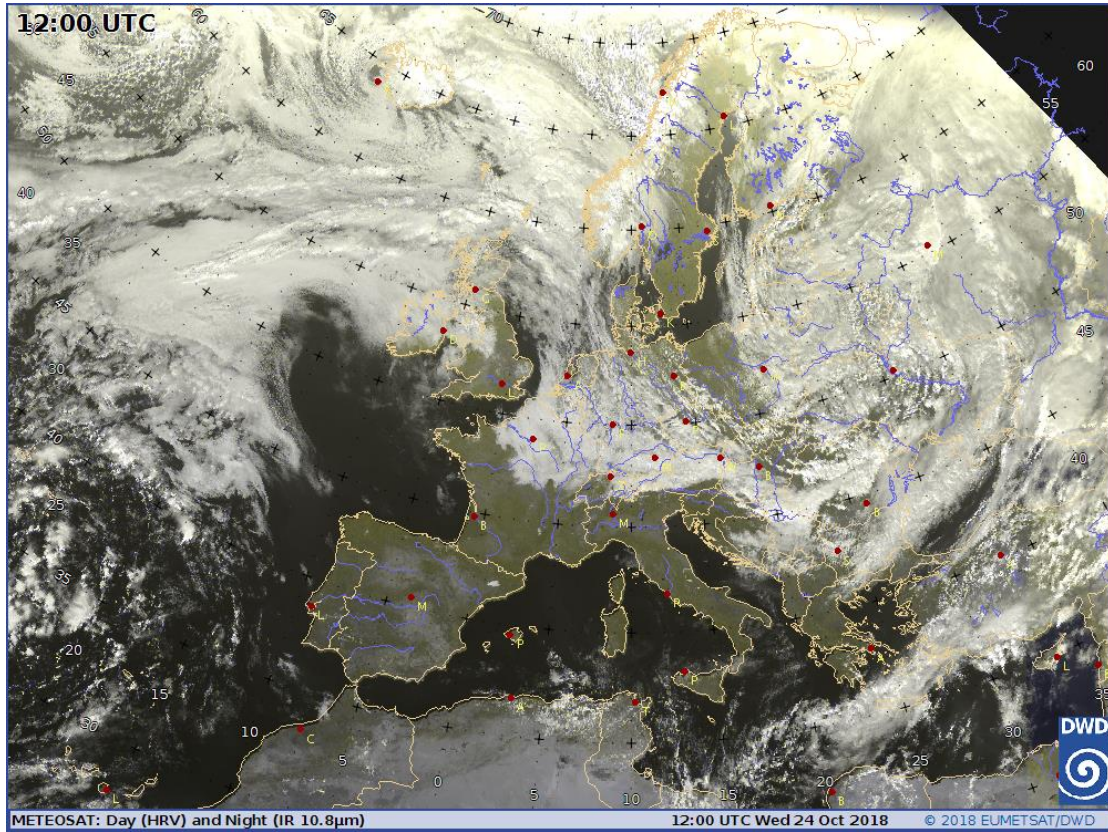
Please note that further information can be obtained from RCC Node-CM website (www.dwd.de/rcc-cm) concerning Climate Monitoring and from RCC Node-LRF websites (<http://seasonal.meteo.fr/en>, <http://neacc.meteoinfo.ru/forecast>) concerning Long-Range Forecast or by e-mail to rcc.cm@dwd.de or rcc-lrf-mf@meteo.fr.

For ECMWF member's further information on monthly forecasts after logging in is provided at <http://www.ecmwf.int/> ->Forecasts

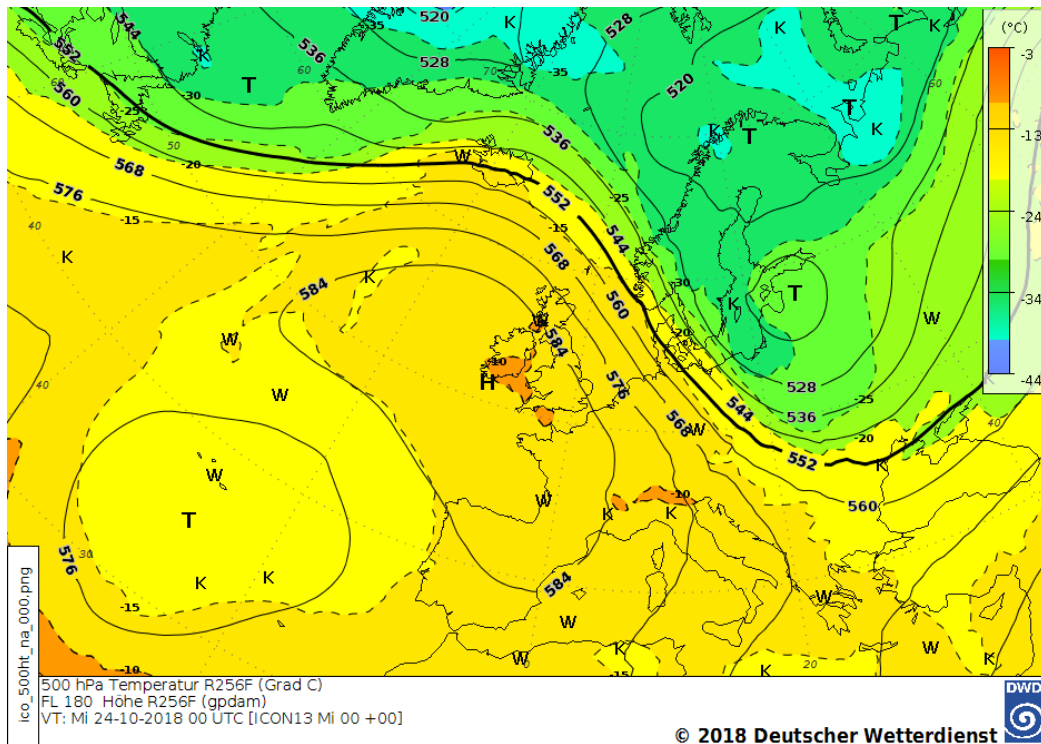
We will monitor the evolution of the anomaly, issue updates if significant change arise and close the advice when no clear signal can be detected in the forecasts.

On behalf of the RCC Node-CM Team

Climate Watch Advisory



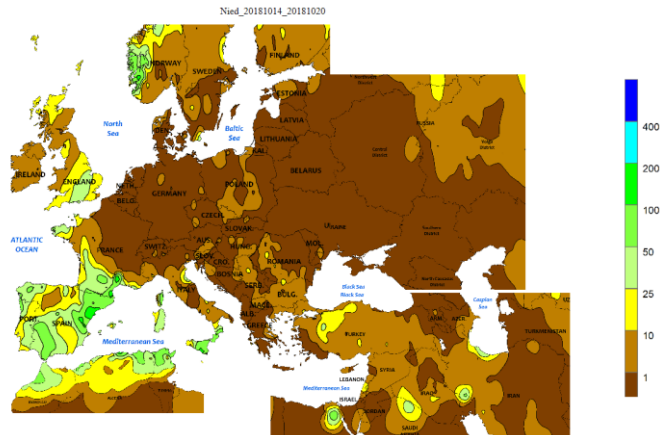
Meteosat satellite image 24 October 2018, 12 UTC. Source: DWD



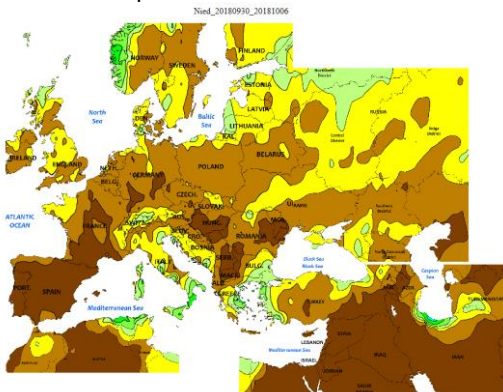
500 hPa chart, 24 October 2018, 00 UTC. Source: DWD

Climate Watch Advisory

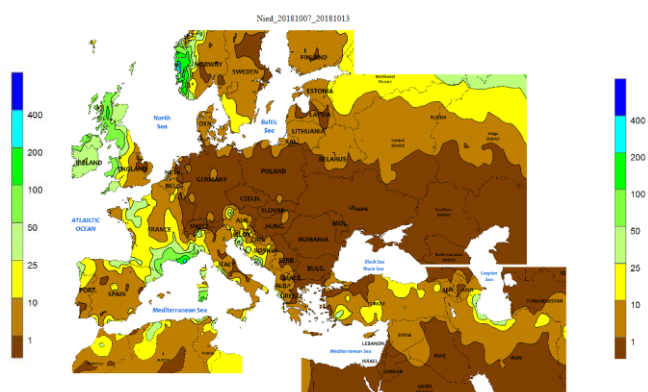
14 – 20 October 2018



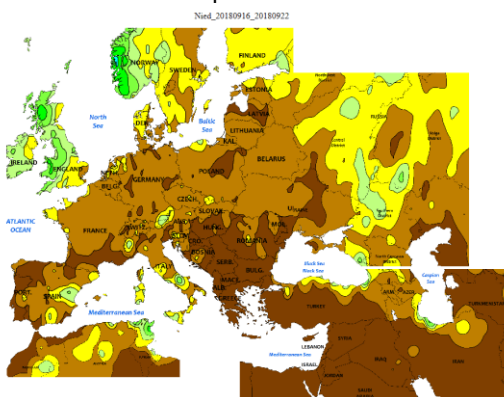
30 September – 06 October 2018



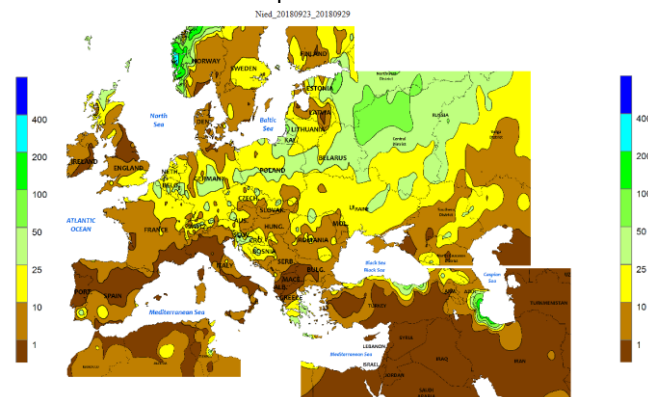
07 – 13 October 2018



16 – 22 September 2018

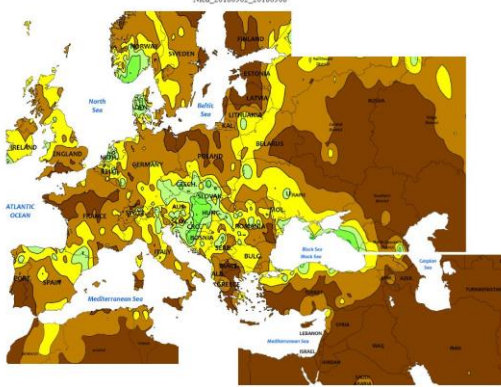


23 – 29 September 2018

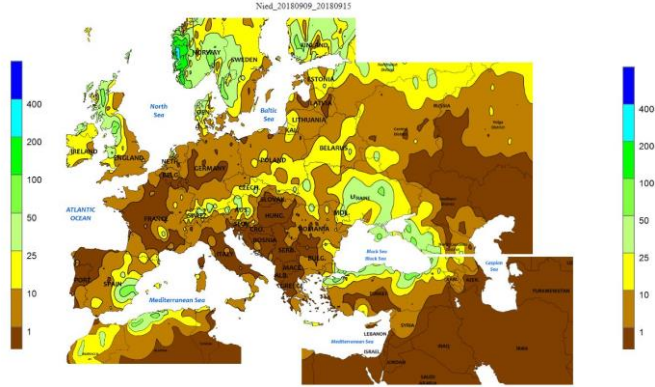


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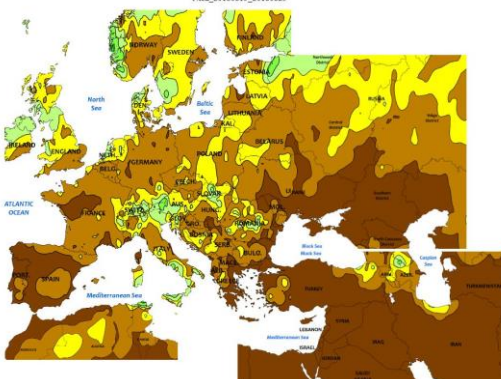
02 - 08 September 2018
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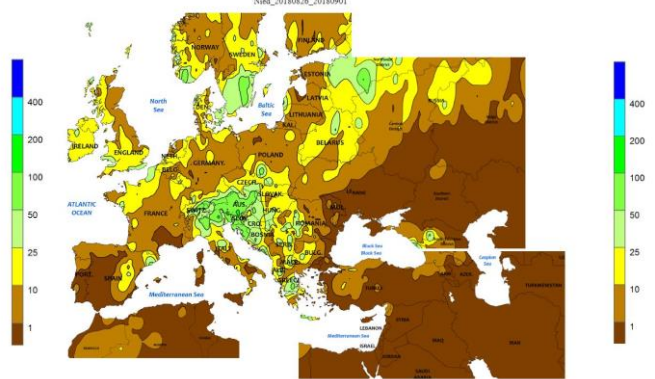
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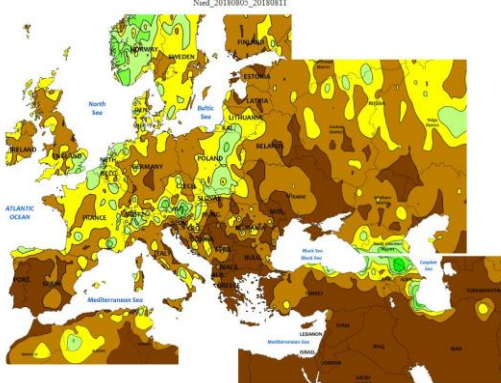
19 - 25 August 2018
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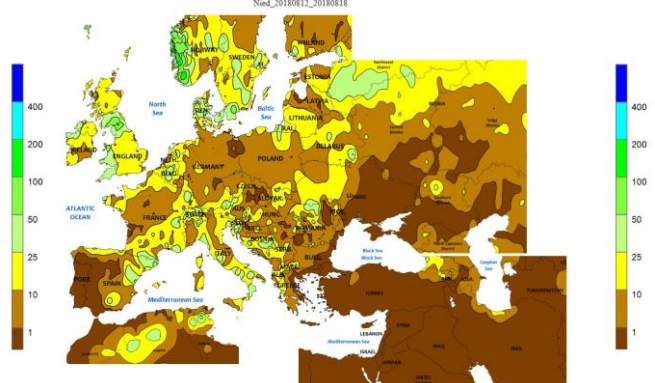
26 August - 01 September 2018
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05 - 11 August 2018
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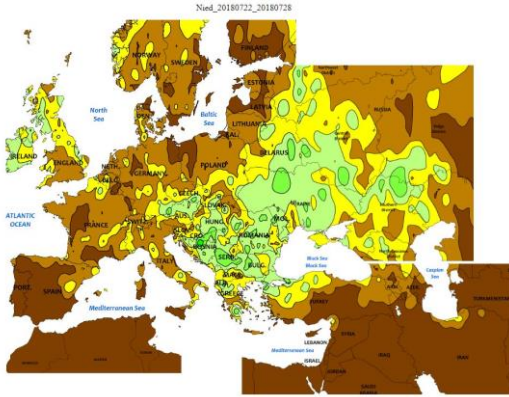


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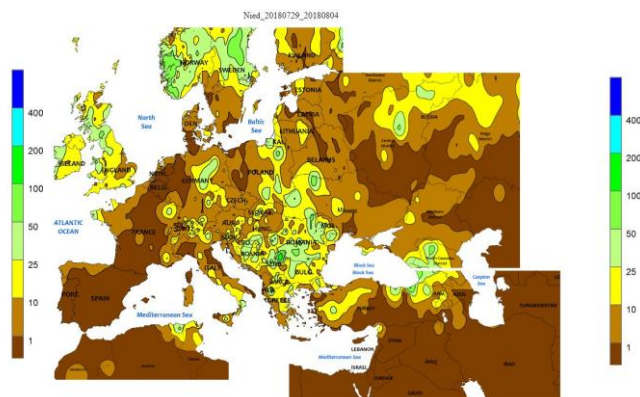


Climate Watch Advisory

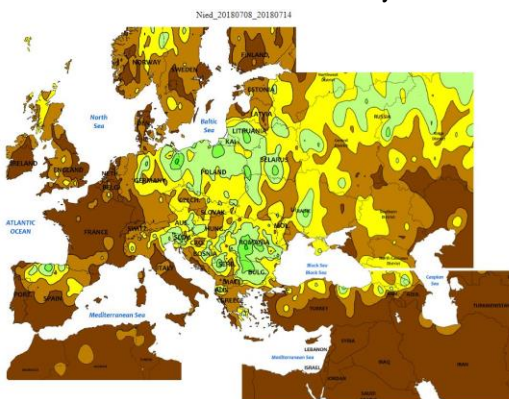
22 - 28 July 2018



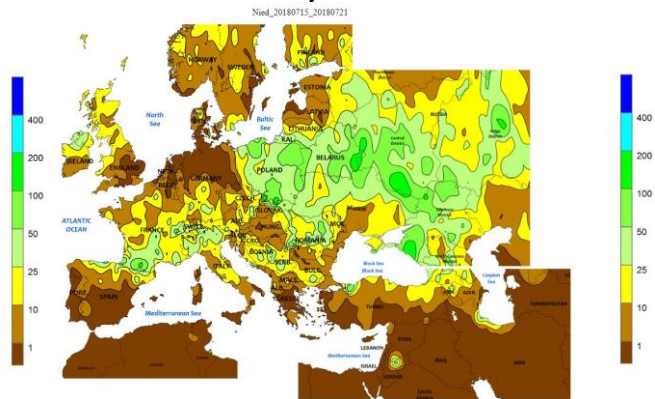
29 July - 04 August 2018



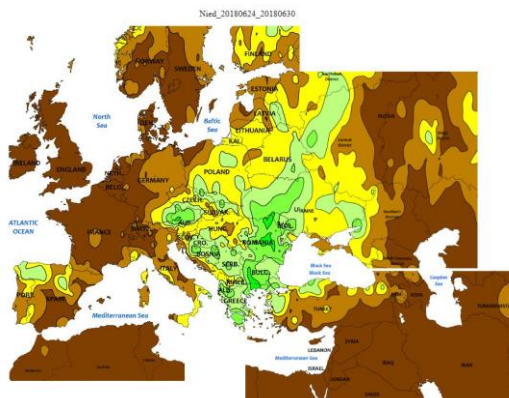
08 - 14 July 2018



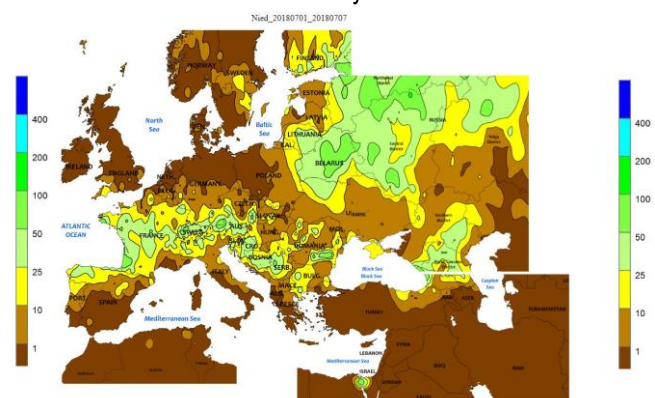
15 - 21 July 2018



24 - 30 June 2018



01 - 07 July 2018

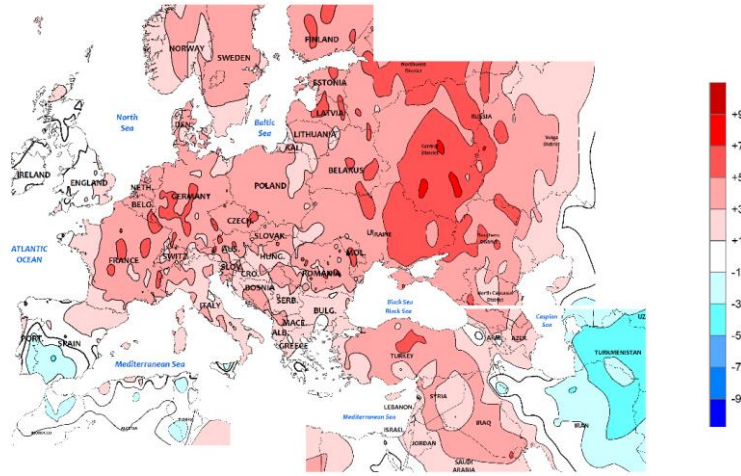


Weekly precipitation totals in mm for the last weeks (source: Climate Prediction Center, USA)

Climate Watch Advisory

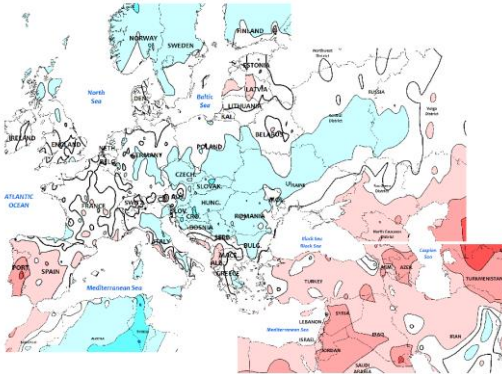
14 – 20 October 2018

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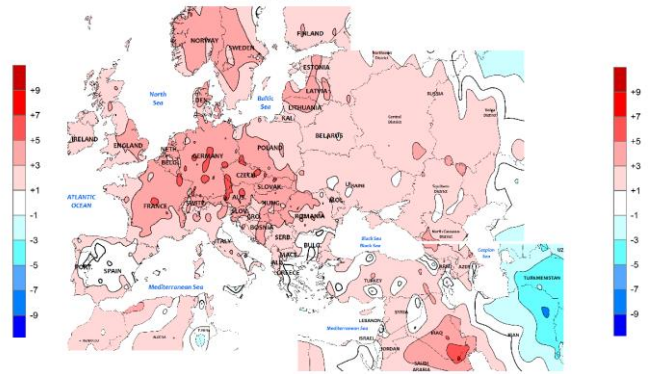
30 September – 06 October 2018

Timeo_20180930_20181006



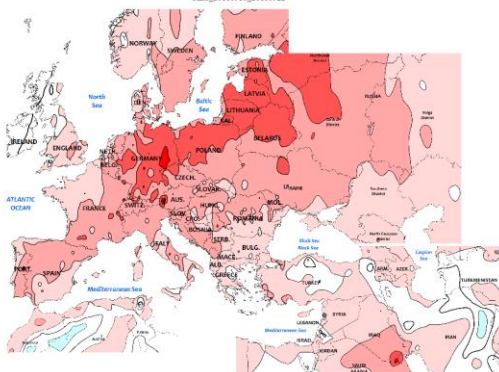
07 – 13 October 2018

Timeo_20181007_20181013



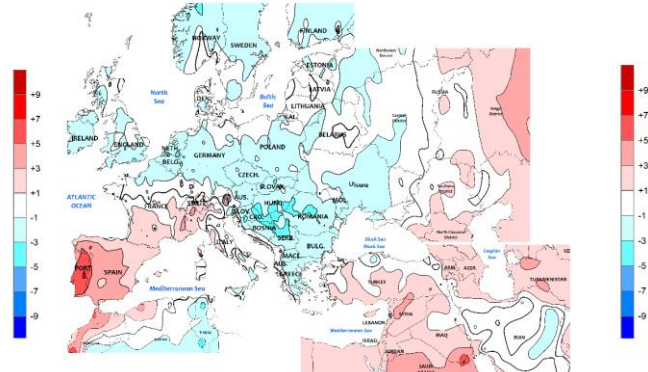
16 – 22 September 2018

Timeo_20180916_20180922



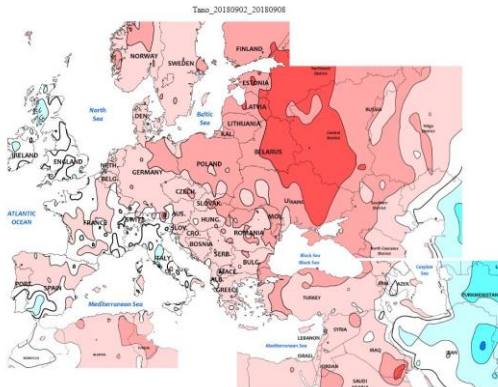
23 – 29 September 2018

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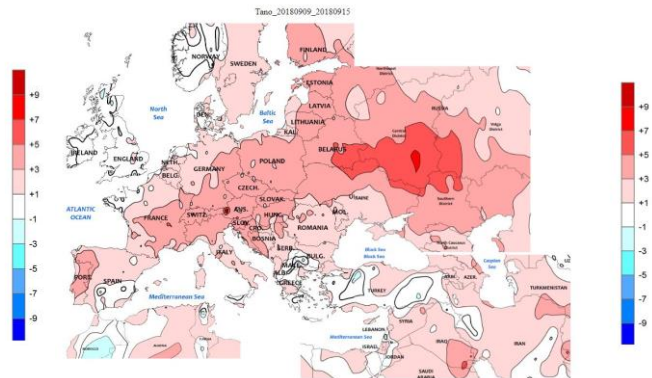


Climate Watch Advisory

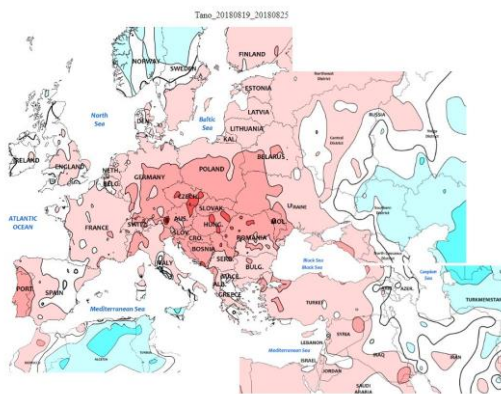
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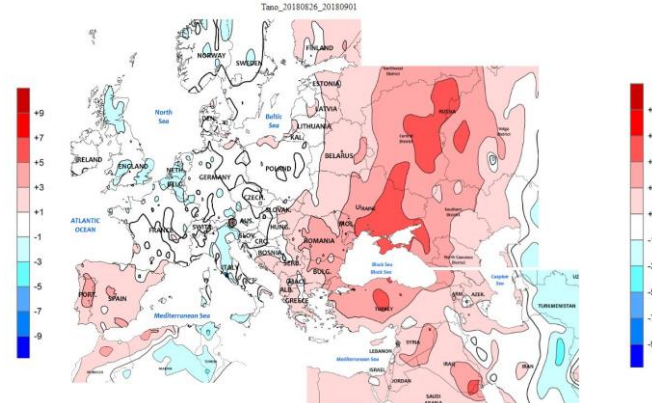
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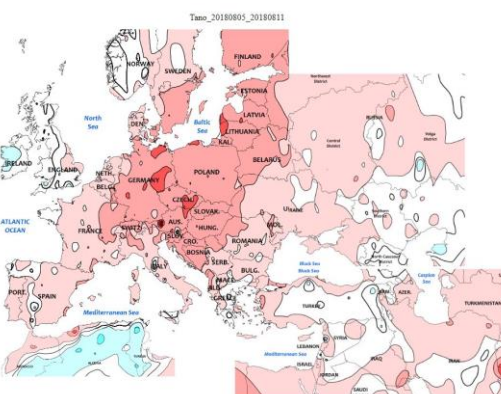
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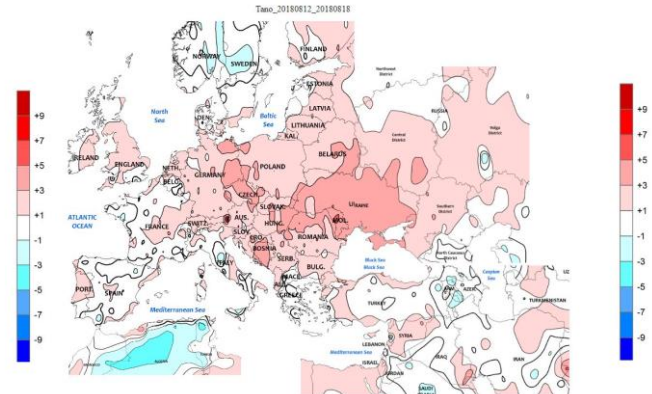
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05 - 11 August 2018

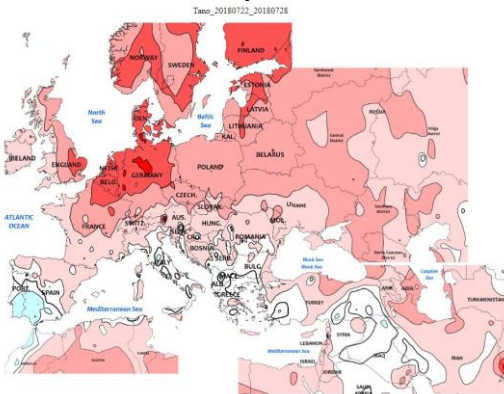


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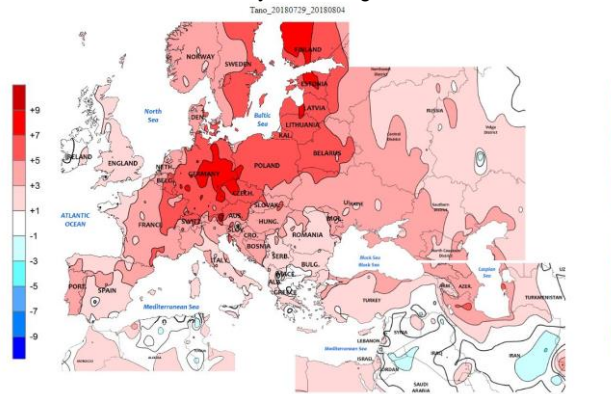


Climate Watch Advisory

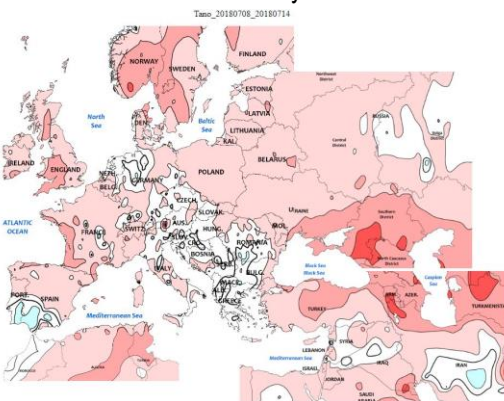
22 - 28 July 2018



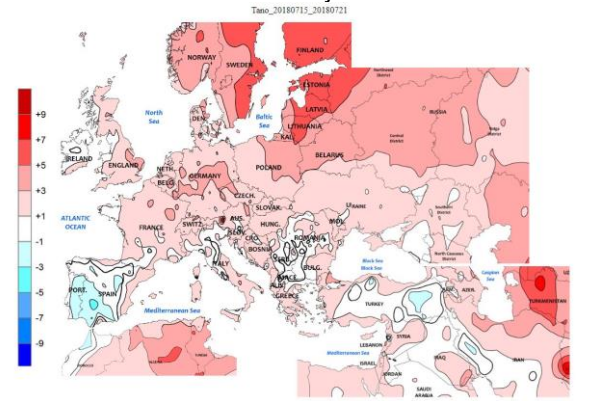
29 July - 04 August 2018



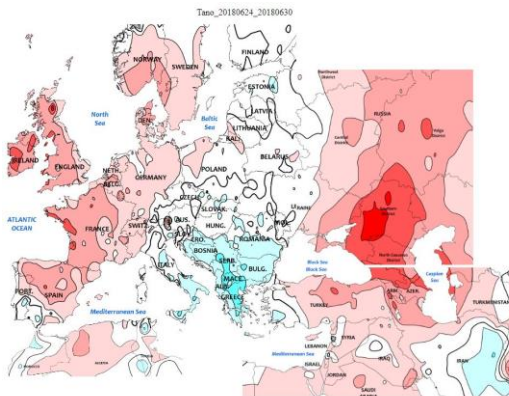
08 - 14 July 2018



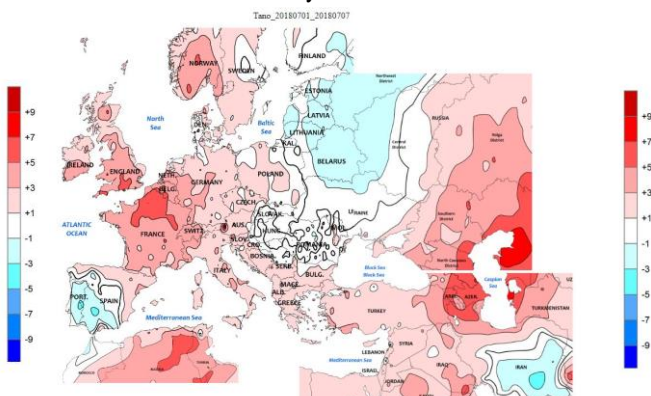
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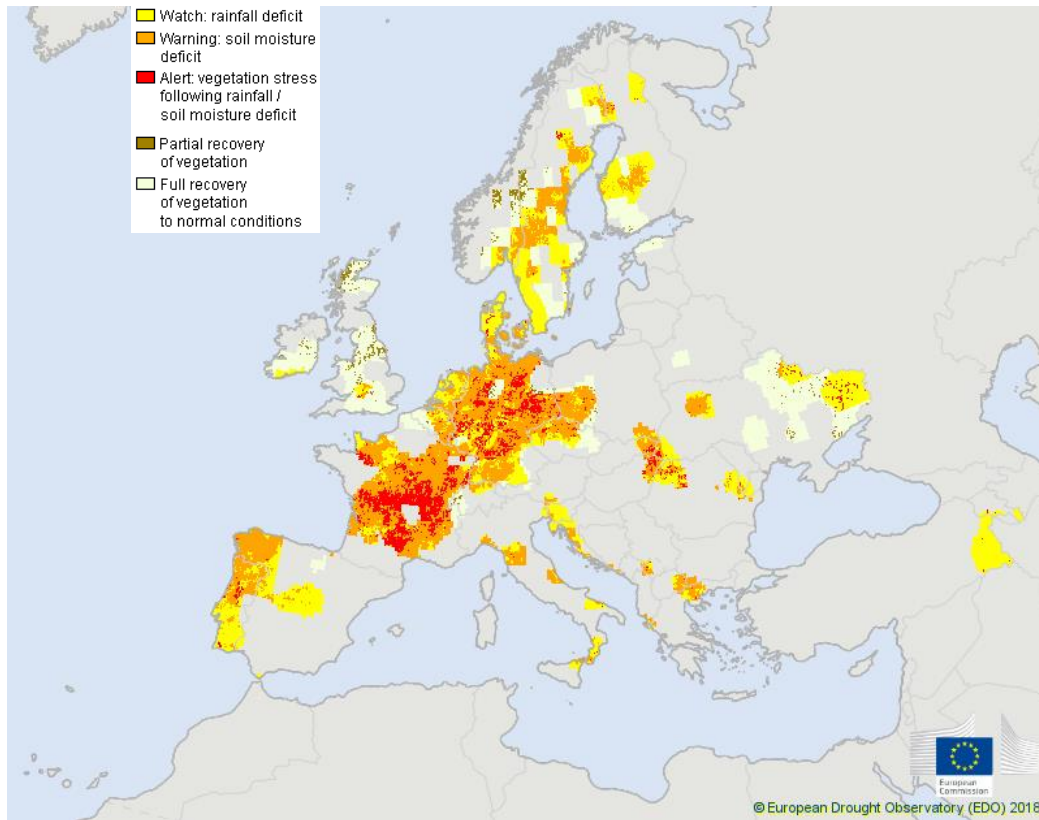


01 - 07 July 2018

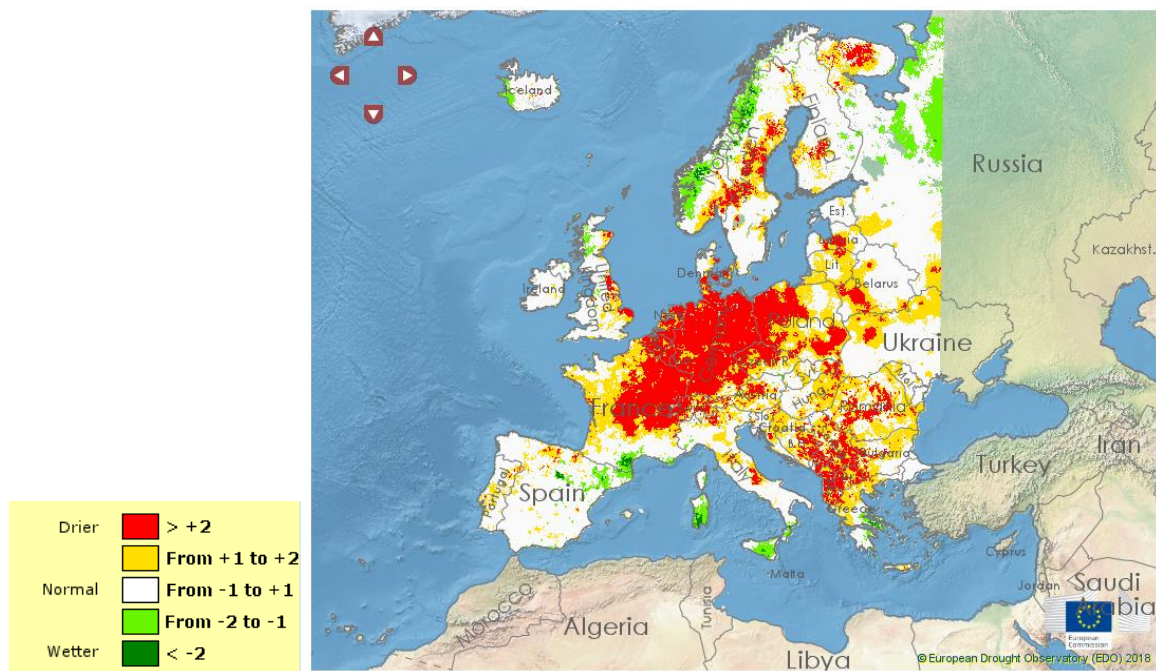


Weekly temperatures anomalies in °C for the last weeks (source: Climate Prediction Center, USA)

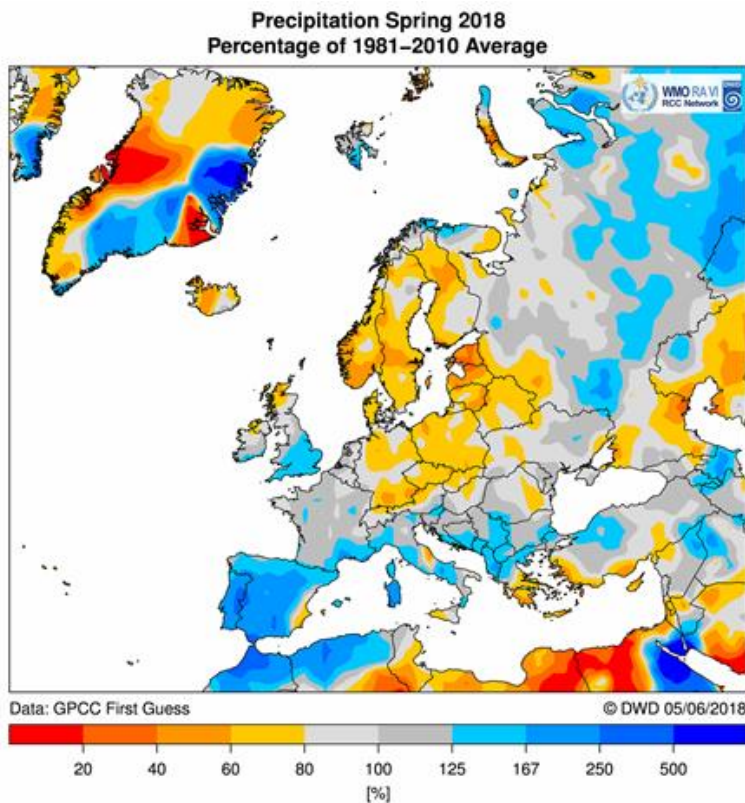
Climate Watch Advisory



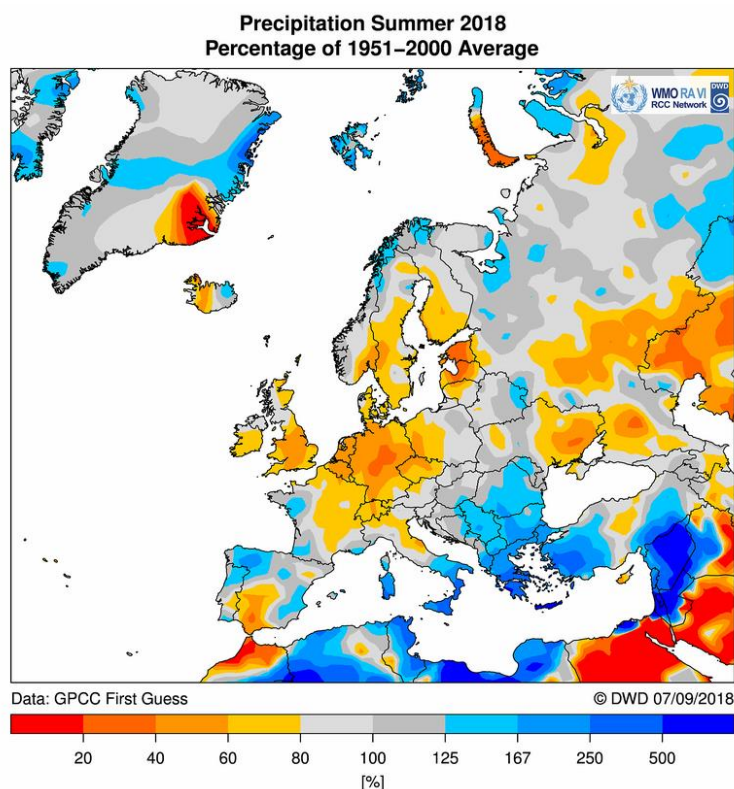
Combined Drought Indicator for Europe, 1 -10 October 2018
(Source: <http://edo.jrc.ec.europa.eu/edov2/php/index.php?id=1000#>)



Soil Moisture Anomaly for Europe, 19 October 2018
(Source: <http://edo.jrc.ec.europa.eu/edov2/php/index.php?id=1111>)



Spring (March, April, May) 2018 precipitation anomalies as percentage of the long term mean (source: DWD RCC-CM, <https://www.dwd.de/rcc-cm>)



Summer (June, July, August) 2018 precipitation anomalies as percentage of the long term mean (source: DWD RCC-CM, <https://www.dwd.de/rcc-cm>)