

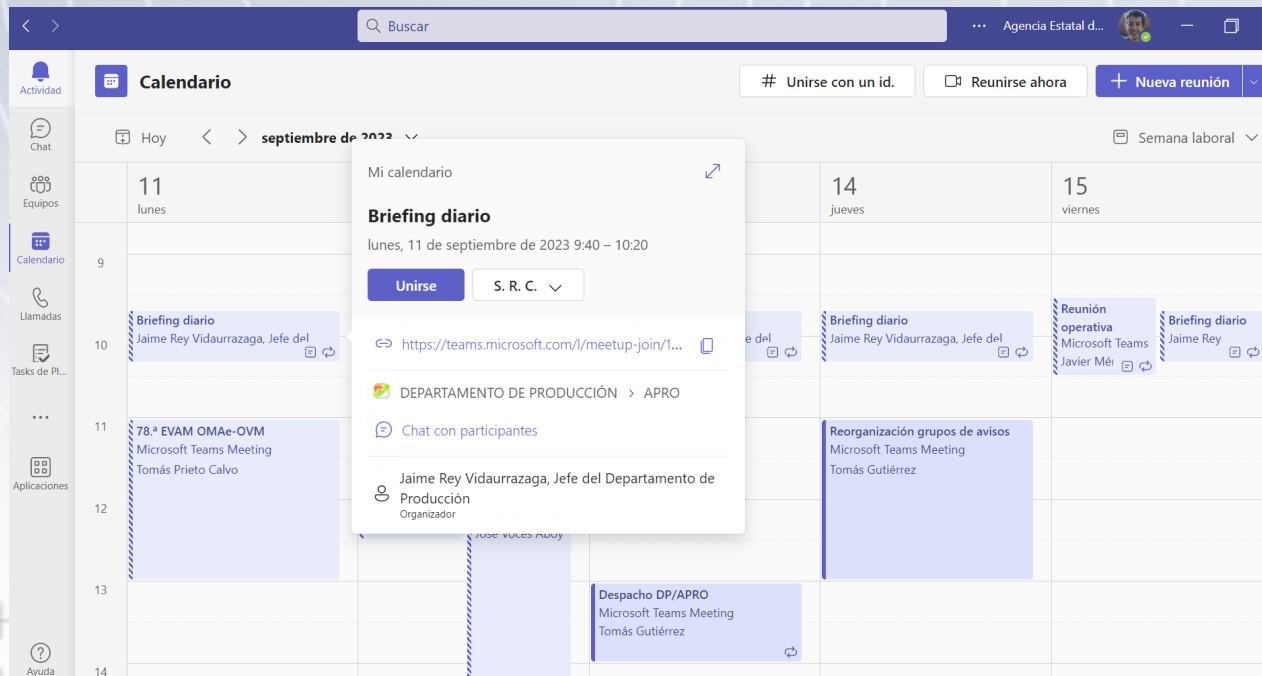
# Latest updates at AEMET

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Head of the operational forecasting area

## Provision of services

- Since last year forecasters are allowed to work from home up to 60 % of their shifts.
- This organisational scheme is intended to become permanent, if approved by the aeronautical supervision authority.
- This change is now preapproved by the aeronautical supervision authority. We expect that it will be approved for good with minor changes.

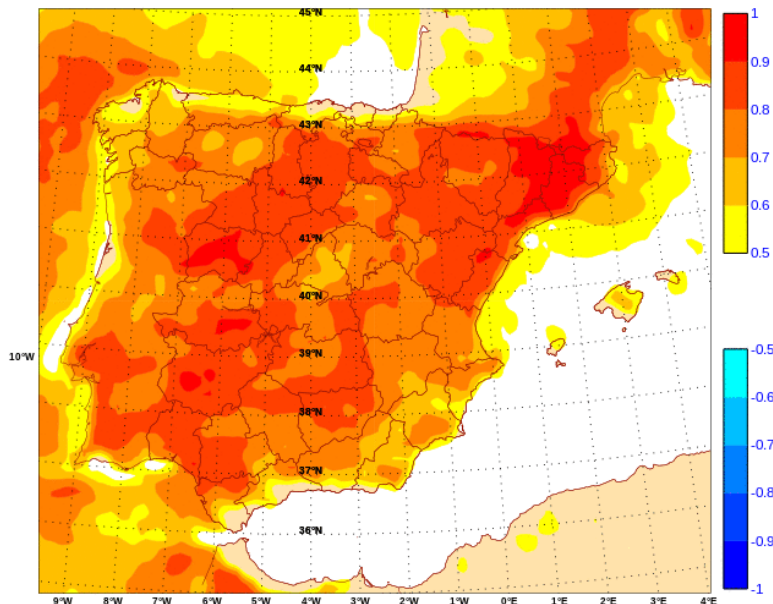


The screenshot displays the Microsoft Teams calendar interface. The main view shows a calendar for September 2023. A meeting titled "Briefing diario" is highlighted for Monday, September 11, 2023, from 9:40 to 10:20. A pop-up window for this meeting is open, showing the meeting details and a "Unirse" (Join) button. The meeting is organized by Jaime Rey Vidaurrazaga, Jefe del Departamento de Producción. The calendar also shows other meetings, including "78.ª EVAM OMAe-OVM Microsoft Teams Meeting" on September 11, "Reorganización grupos de avisos Microsoft Teams Meeting" on September 14, and "Despacho DP/APRO Microsoft Teams Meeting" on September 13.

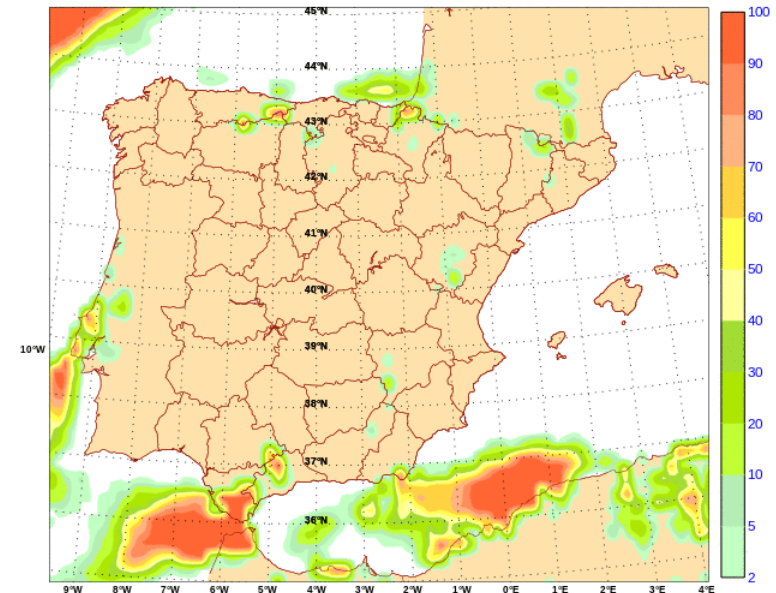
## Integration of new ECMWF cycle

- The new ECMWF cycle has been implemented in the internal production.
- However, the grids used have still a resolution of 18 km.
- We expect to have the higher resolution in the following month.
- We are working in a project to define new ensemble derived products.

ENS-IFS (0.2°) 20230925 a 12 UTC. H+156. Validez: lunes, 2 de octubre de 2023, a 00 UTC.  
EFI de temperatura máxima a 2 m.  
En las 24 horas anteriores.



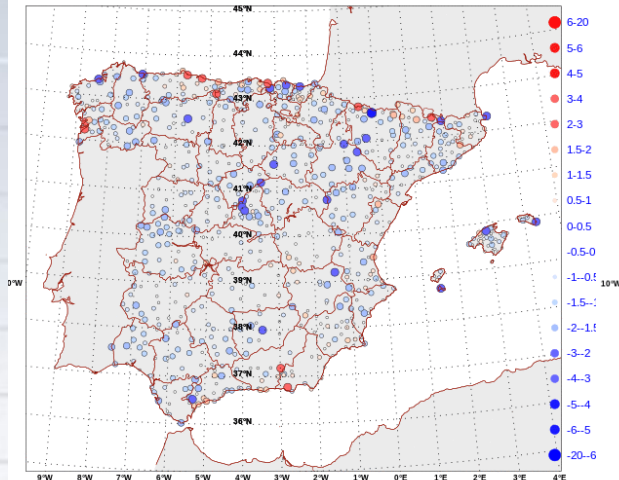
ENS-IFS (0.2°) 20230925 a 12 UTC. H+036. Validez: miércoles, 27 de septiembre de 2023, a 00 UTC.  
Probabilidad de racha máxima a 10 m superior a 22 kt (40 km/h). Fuerte.  
En las 24 horas anteriores.



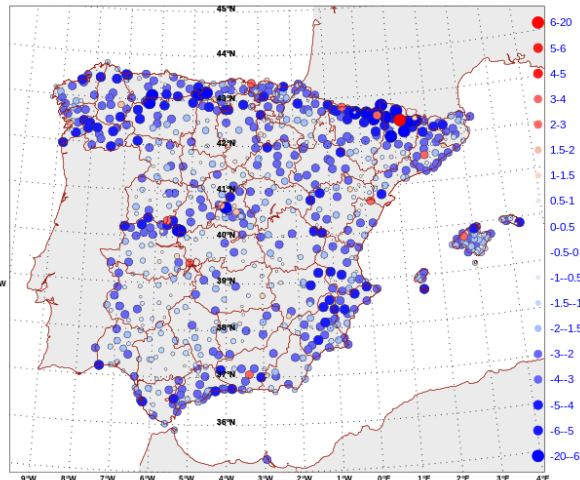
## Verification of post-processing of temperature

- Last spring the verification of a statistical post-processing of maximum and minimum temperature was implemented daily.
- The scores show a much better behavior of the post-processing respect to the direct model output (ECMWF or HARMONIE-AROME).
- As the post-processing is strictly statistical, it shows worse behavior the first and second day after strong changes in the meteorological situation.

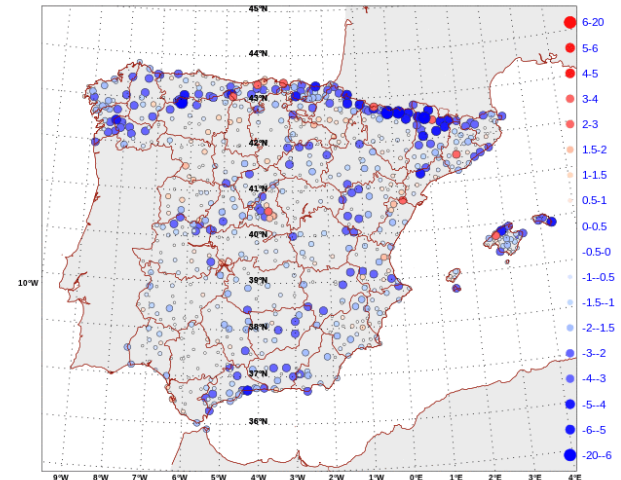
POSPROCESO 20230924 a 00 UTC. H+024. Validez: lunes, 25 de septiembre de 2023, a 00 UTC.  
Diferencia TMAX24: posproceso - observación. Unidades: °C.  
min: -5.1, med: -0.5, stdev: 1.0, máx: 3.6, obs: 742



HRES-IFS (0.1°) 20230924 a 00 UTC. H+024. Validez: lunes, 25 de septiembre de 2023, a 00 UTC.  
Diferencia TMAX24: HRES-IFS - observación. Unidades: °C.  
min: -10.9, med: -2.1, stdev: 1.8, máx: 6.6, obs: 742



HARM (0.025°) 20230924 a 00 UTC. H+024. Validez: lunes, 25 de septiembre de 2023, a 00 UTC.  
Diferencia TMAX24: HARM - observación. Unidades: °C.  
min: -9.7, med: -1.0, stdev: 1.5, máx: 3.1, obs: 742



## Products oriented to forest fires

- Development of a viewer of the main variables for the management of forest fires (model output of temperature, humidity and wind intensity and direction), with thresholds chosen by the users in order to detect severe conditions.
- On request, temporal meteogram in the forest fire coordinate.
- Images precharged for the report of the meteorological situation.

Modelo HARMONIE-AEMET: 2023-08-21-06Z para el punto de (lat,lon)= (28.34,-16.42)

