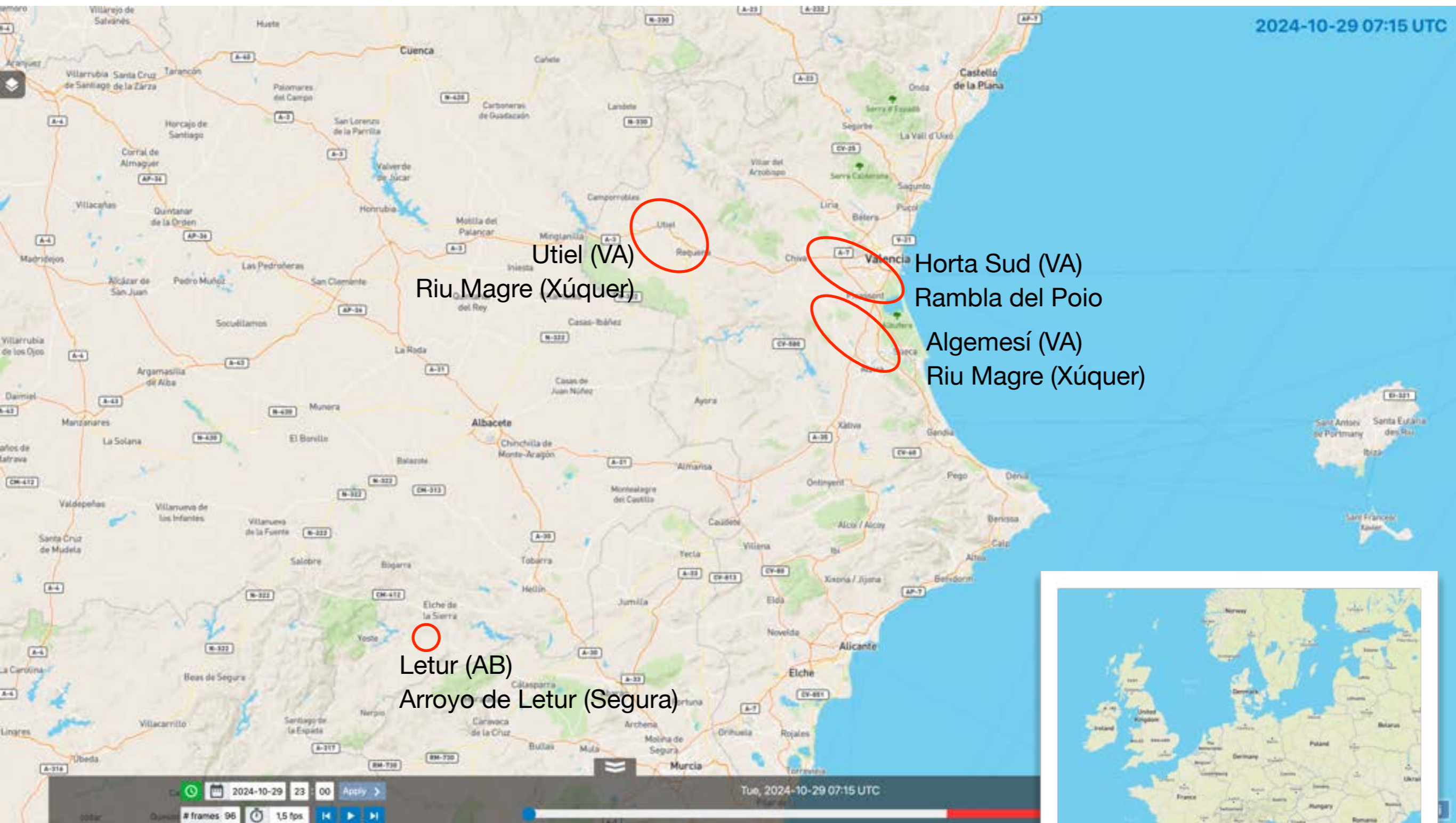


# October 2024 floods

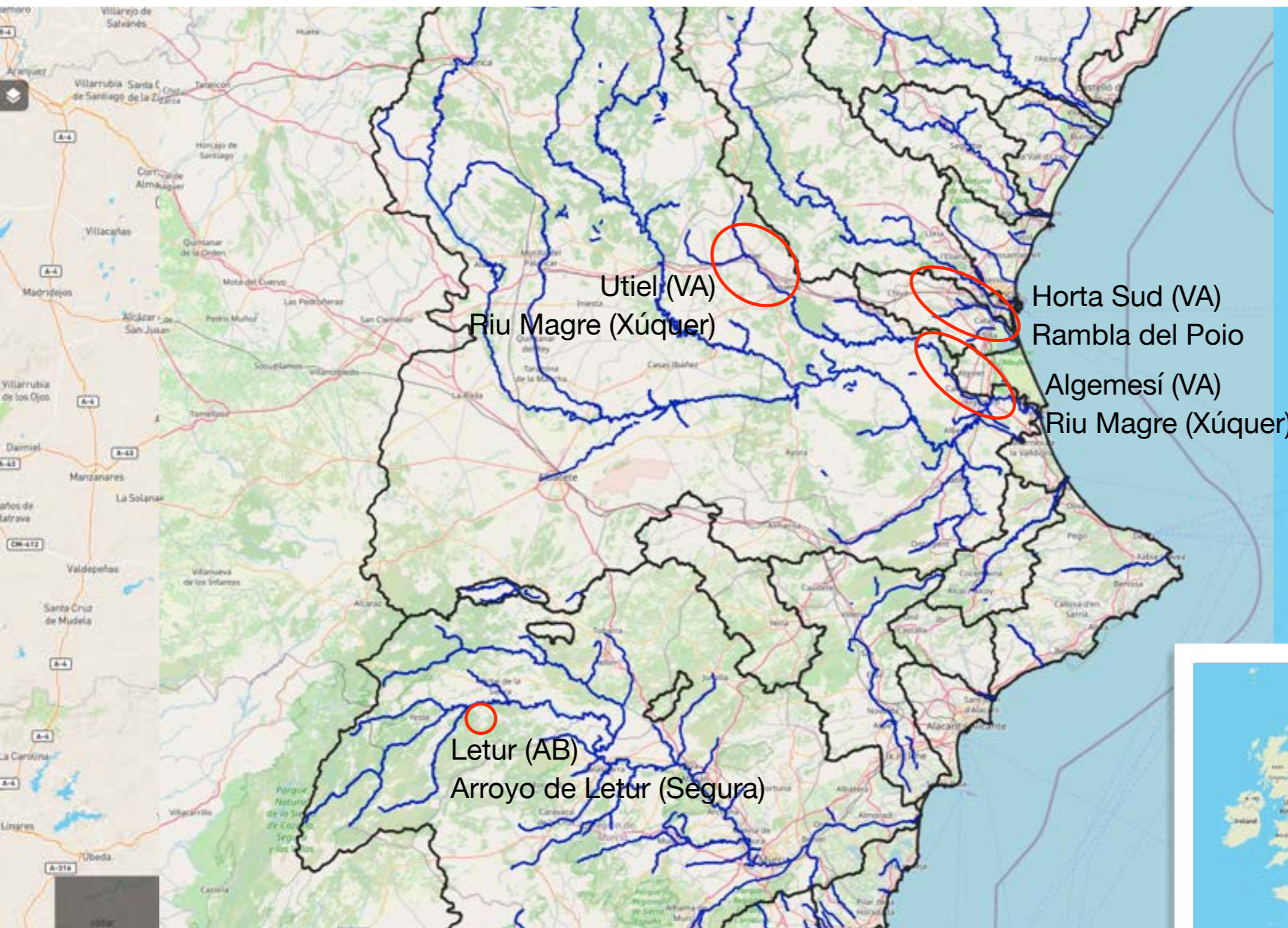
Flood forecasts and estimates

Marc Berenguer

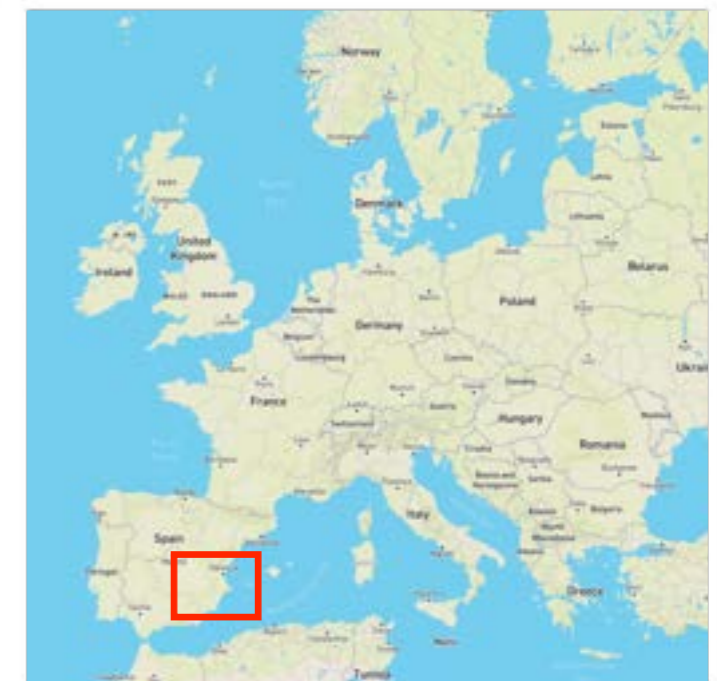
# Affected areas



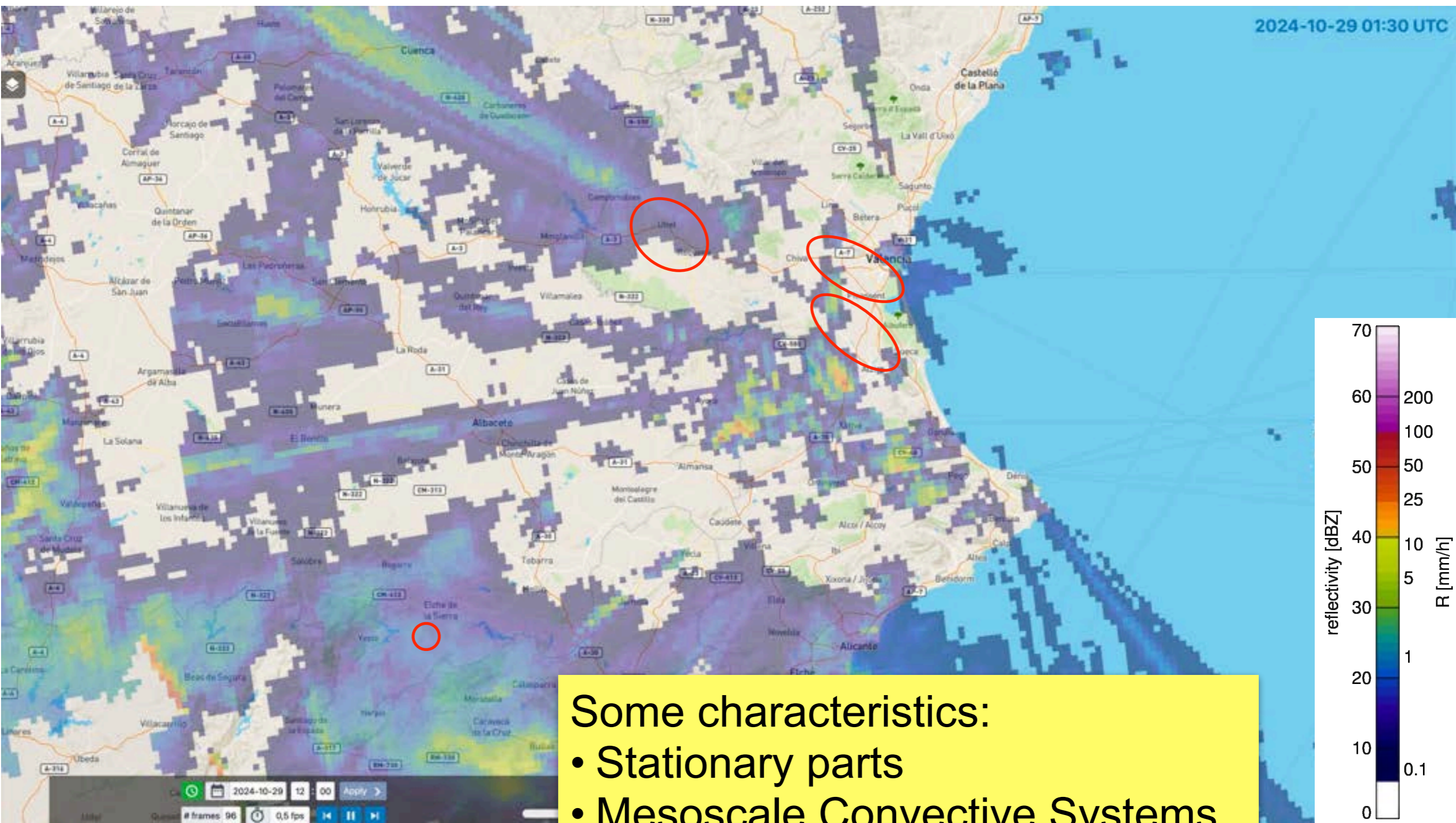
# Affected areas



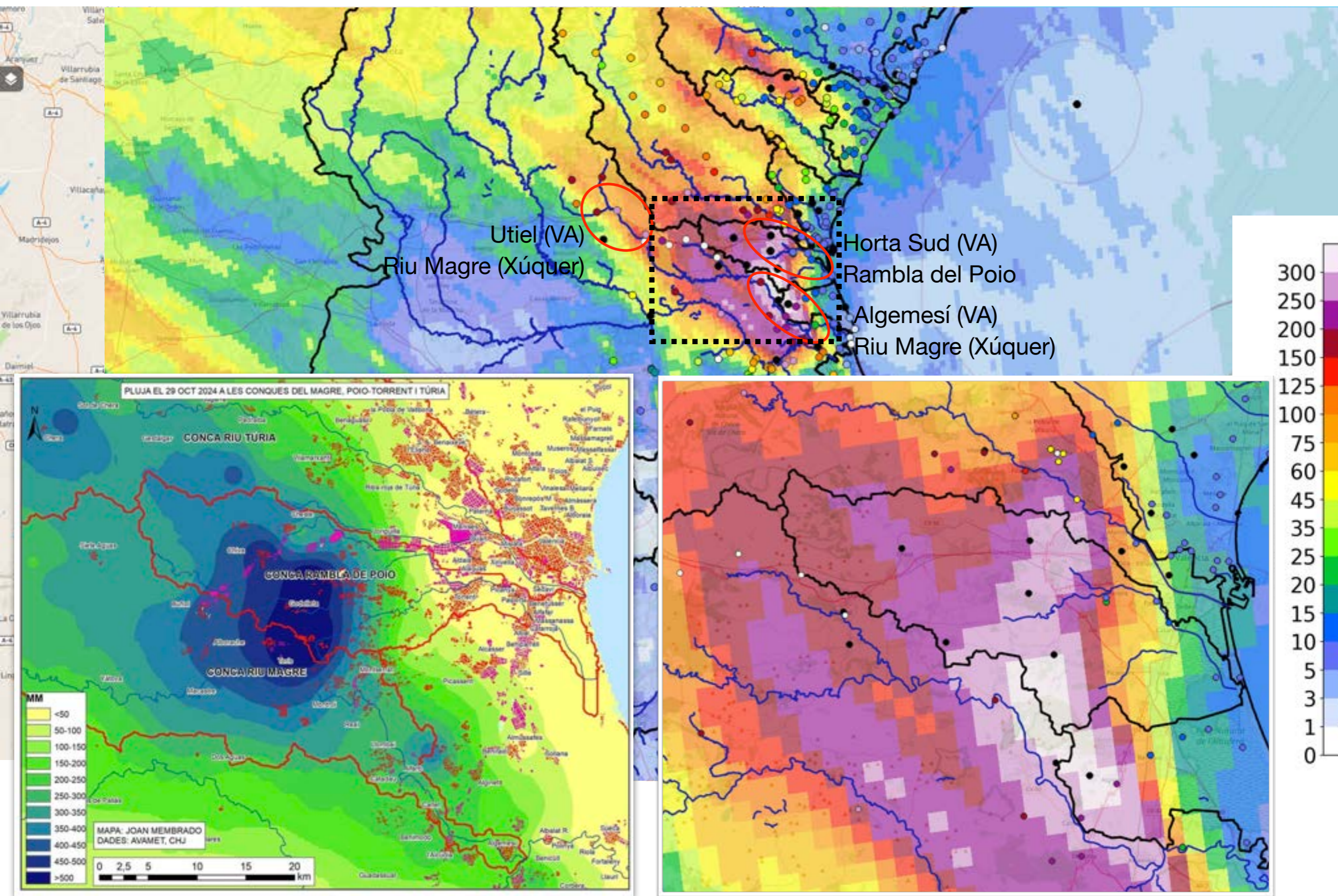
2024-10-29 07:15 UTC



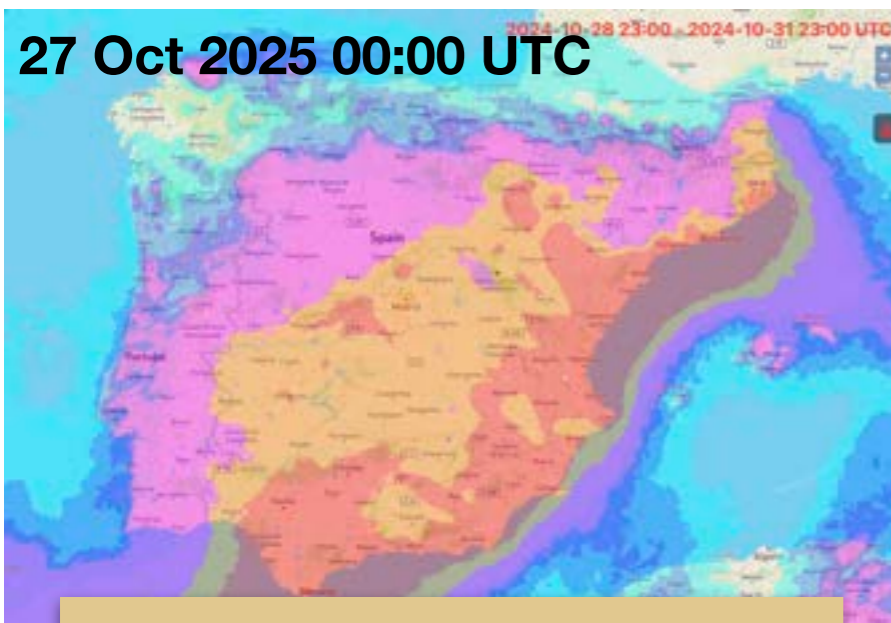
# Rainfall event



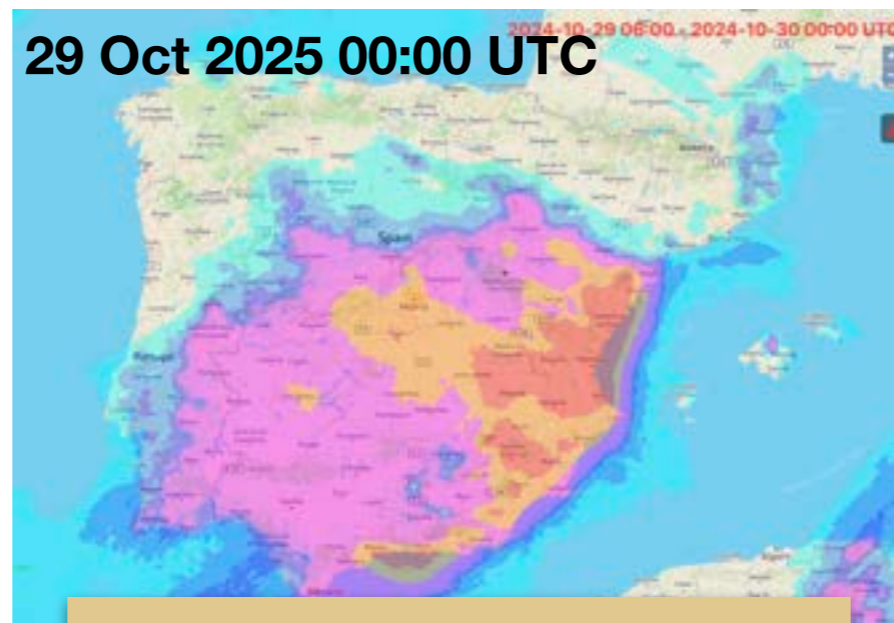
# Rainfall accumulation



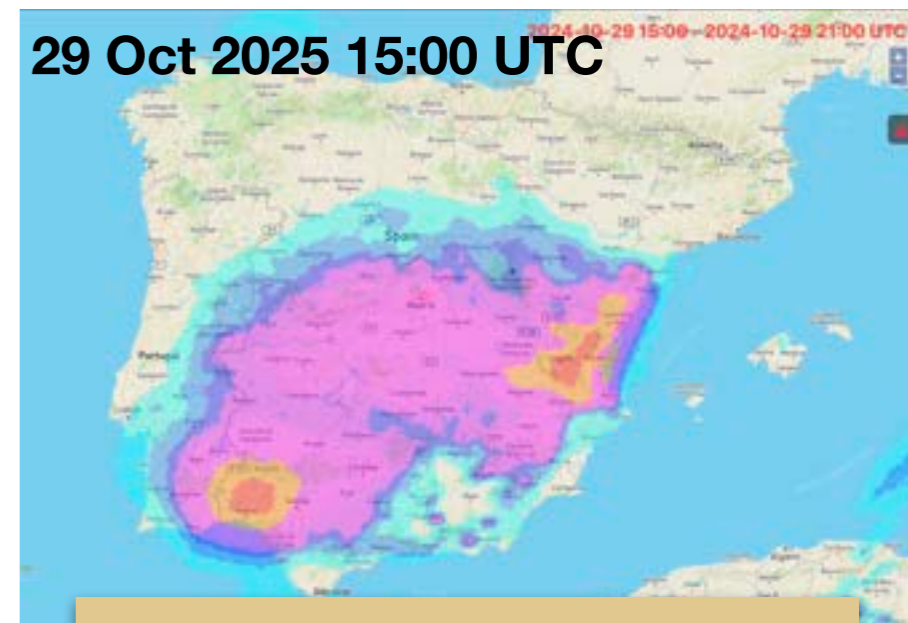
# Rainfall forecasts (for 29 Oct 2024)



24-h accum > 200 mm



24-h accum > 150 mm



12-h accum > 120 mm



4:35 p. m. - 28 oct. 2024 - 115,7 mil Reproducciones



8:04 a. m. - 29 oct. 2024 - 251,1 mil Reproducciones



10:03 a. m. - 29 oct. 2024 - 200,9 mil Reproducciones

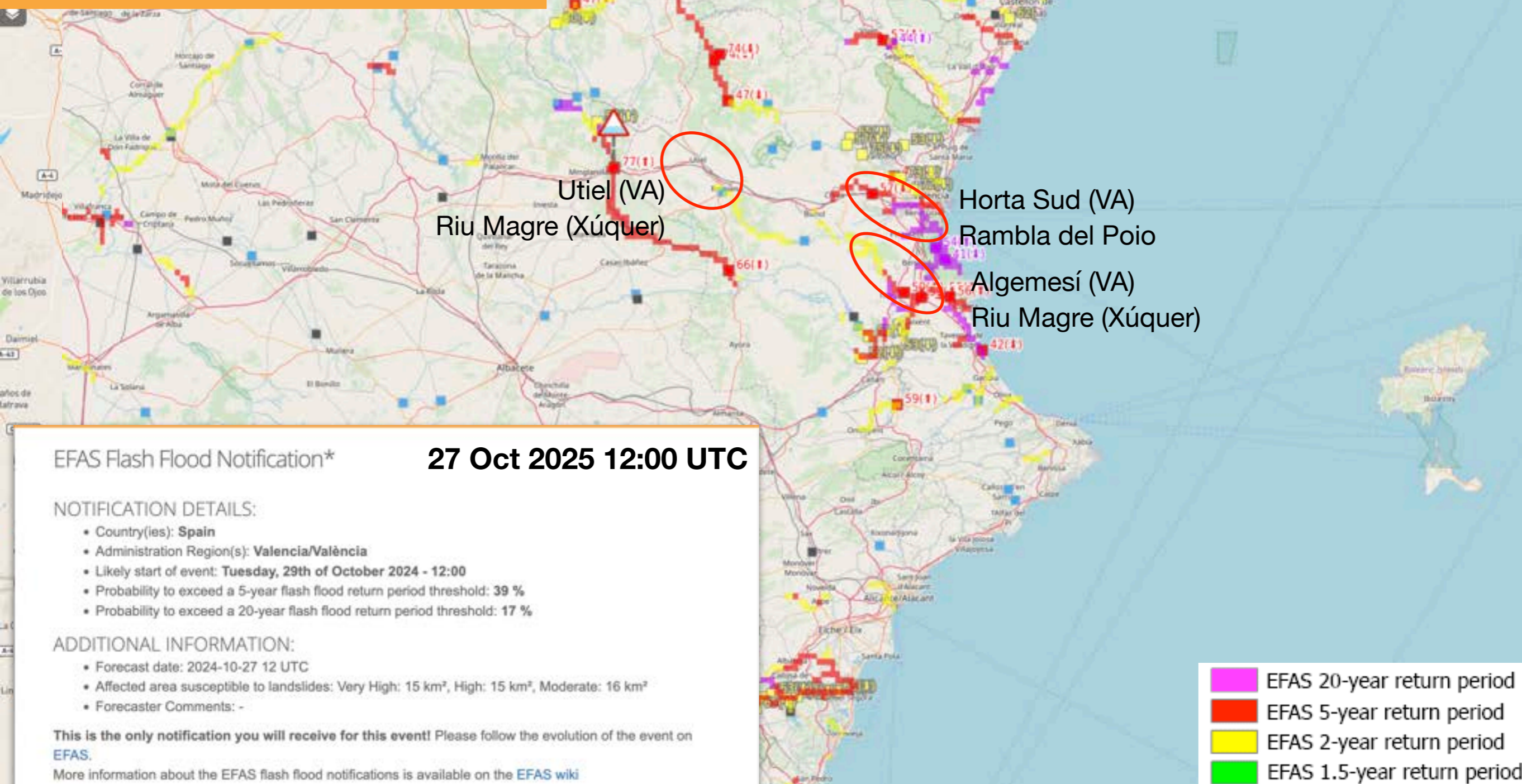


# EFAS forecasts



Copernicus Emergency Management System  
Flood monitoring and forecasting

27 Oct 2025 00:00 UTC



## EFAS Flash Flood Notification\*

27 Oct 2025 12:00 UTC

### NOTIFICATION DETAILS:

- Country(ies): **Spain**
- Administration Region(s): **Valencia/València**
- Likely start of event: **Tuesday, 29th of October 2024 - 12:00**
- Probability to exceed a 5-year flash flood return period threshold: **39 %**
- Probability to exceed a 20-year flash flood return period threshold: **17 %**

### ADDITIONAL INFORMATION:

- Forecast date: 2024-10-27 12 UTC
- Affected area susceptible to landslides: Very High: 15 km<sup>2</sup>, High: 15 km<sup>2</sup>, Moderate: 16 km<sup>2</sup>
- Forecaster Comments: -

This is the only notification you will receive for this event! Please follow the evolution of the event on [EFAS](#).

More information about the EFAS flash flood notifications is available on the [EFAS wiki](#)

### EFAS FORECASTER ON DUTY

**Nynke Westra**

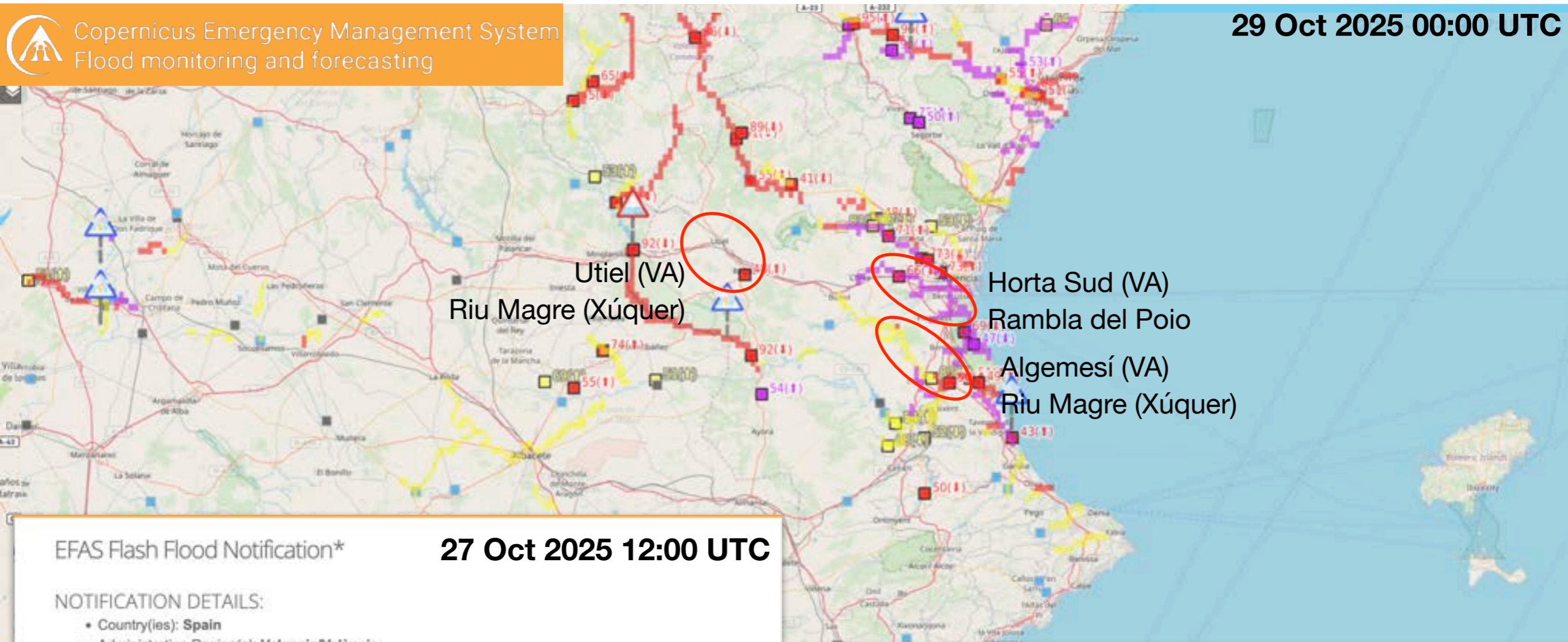
Rijkswaterstaat Water Management Center for the Netherlands

email: [info@efas.eu](mailto:info@efas.eu)

\* indicating a high probability of extreme precipitation and potential flash flooding

# EFAS forecasts

**29 Oct 2025 00:00 UTC**



## EFAS Flash Flood Notification\*

**27 Oct 2025 12:00 UTC**

NOTIFICATION DETAILS:

- Country(ies): **Spain**
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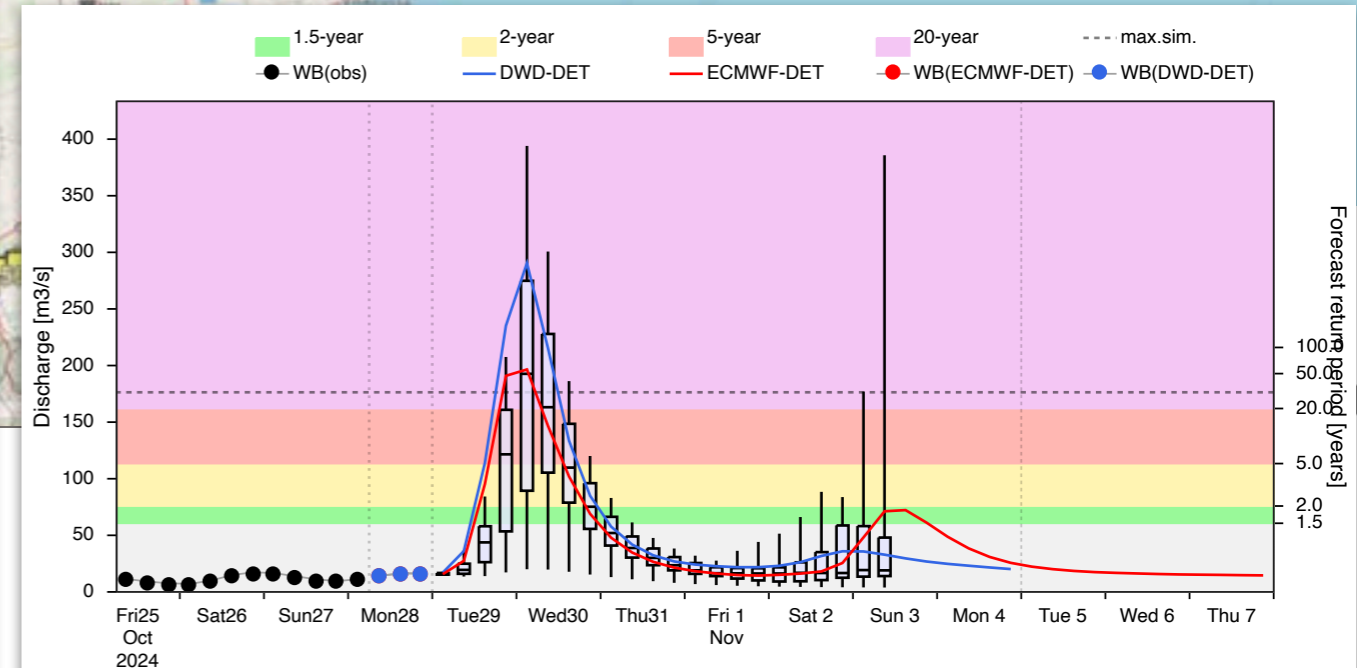
## EFAS FORECASTER ON DUTY

Nynke Westra

Rijkswaterstaat Water Management Center for the Netherlands

email: [info@efas.eu](mailto:info@efas.eu)

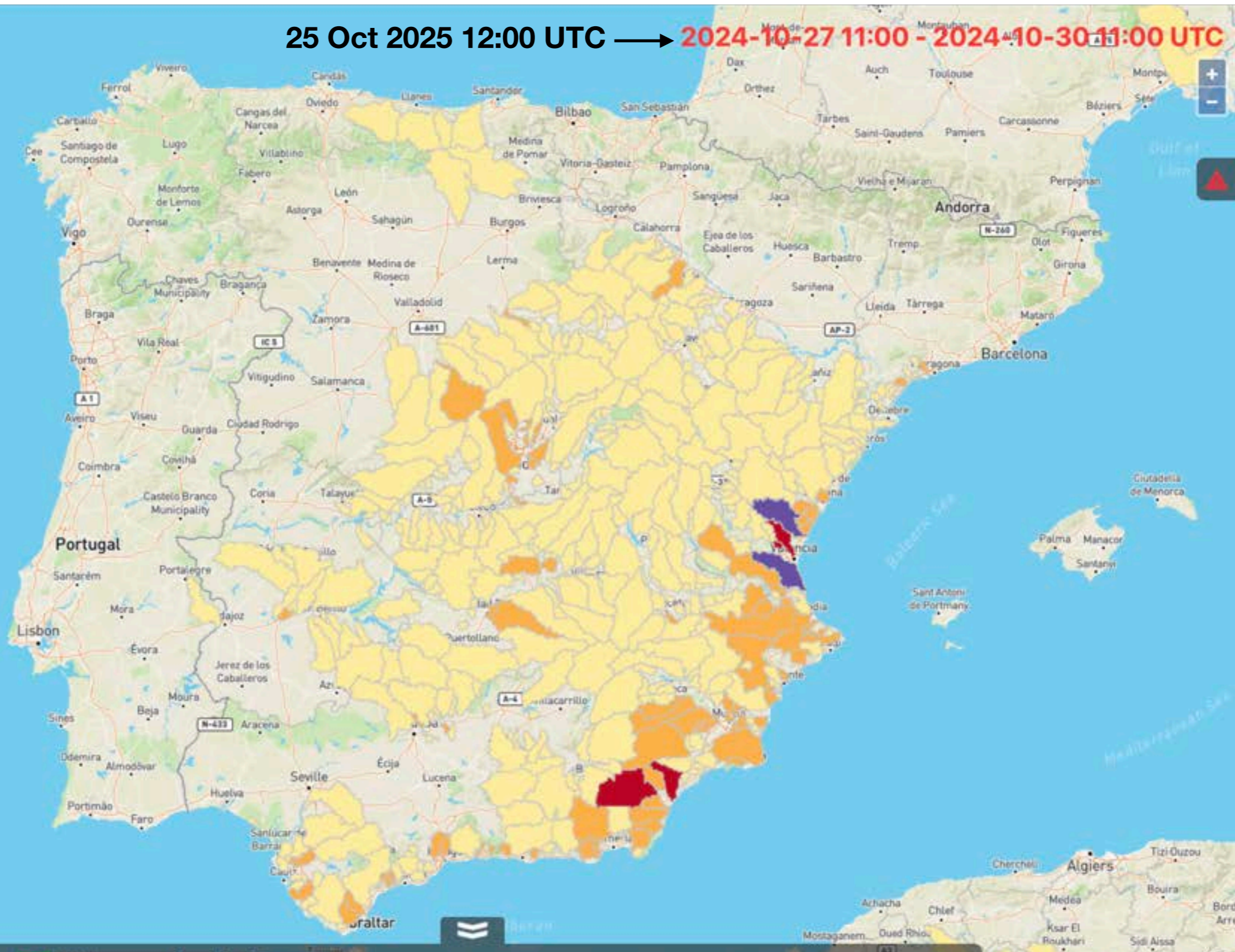
\* indicating a high probability of extreme precipitation and potential flash flooding



# FF impact forecasts



25 Oct 2025 12:00 UTC → 2024-10-27 11:00 - 2024-10-30 11:00 UTC



# FF impact forecasts

Selected feature information

X

Official Warnings

Flash Flood Forecast

Lat,Lon: 39.388446,-0.407578

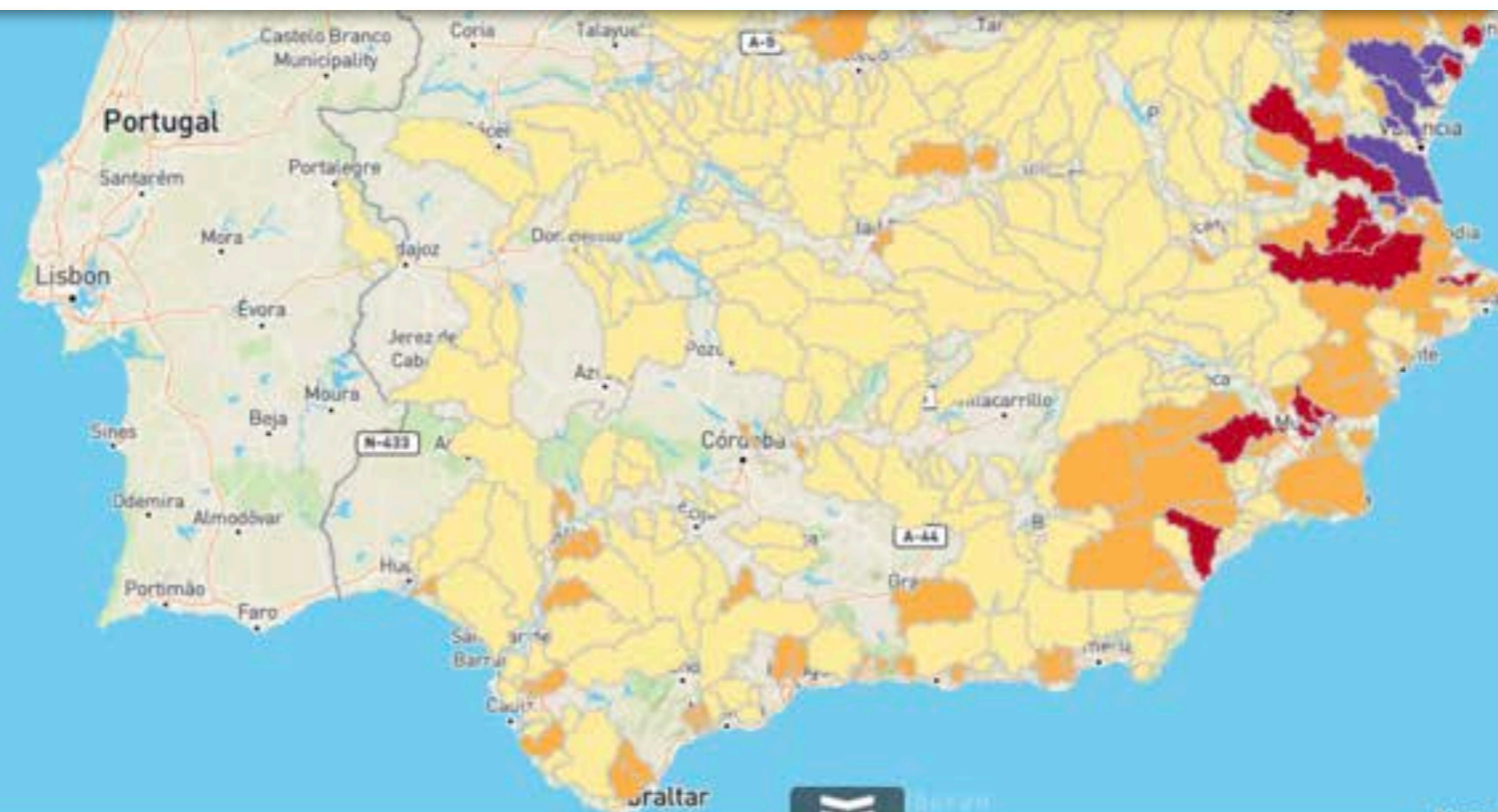
Impact matrix

	Low Exposure	Medium Exposure	High Exposure
High Likelihood			✓
Medium Likelihood			
Low Likelihood			

Exposure information

	#
Total population affected	151730
Education facilities affected	66
Health facilities affected	36
Energy generation facilities affected	
Time of the event peak	2024/10/29 18:00:00

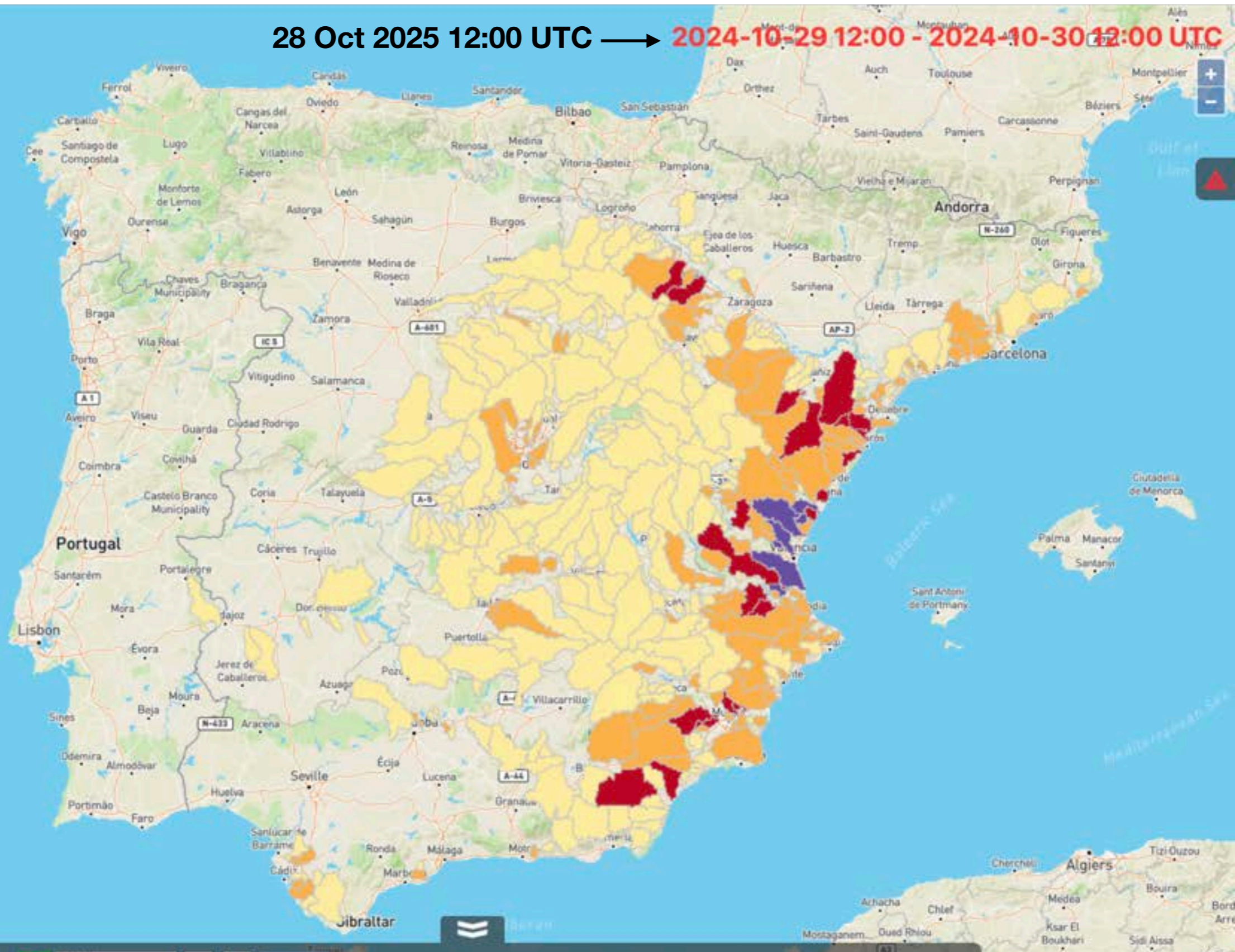
24-11-01 12:00 UTC



# FF impact forecasts



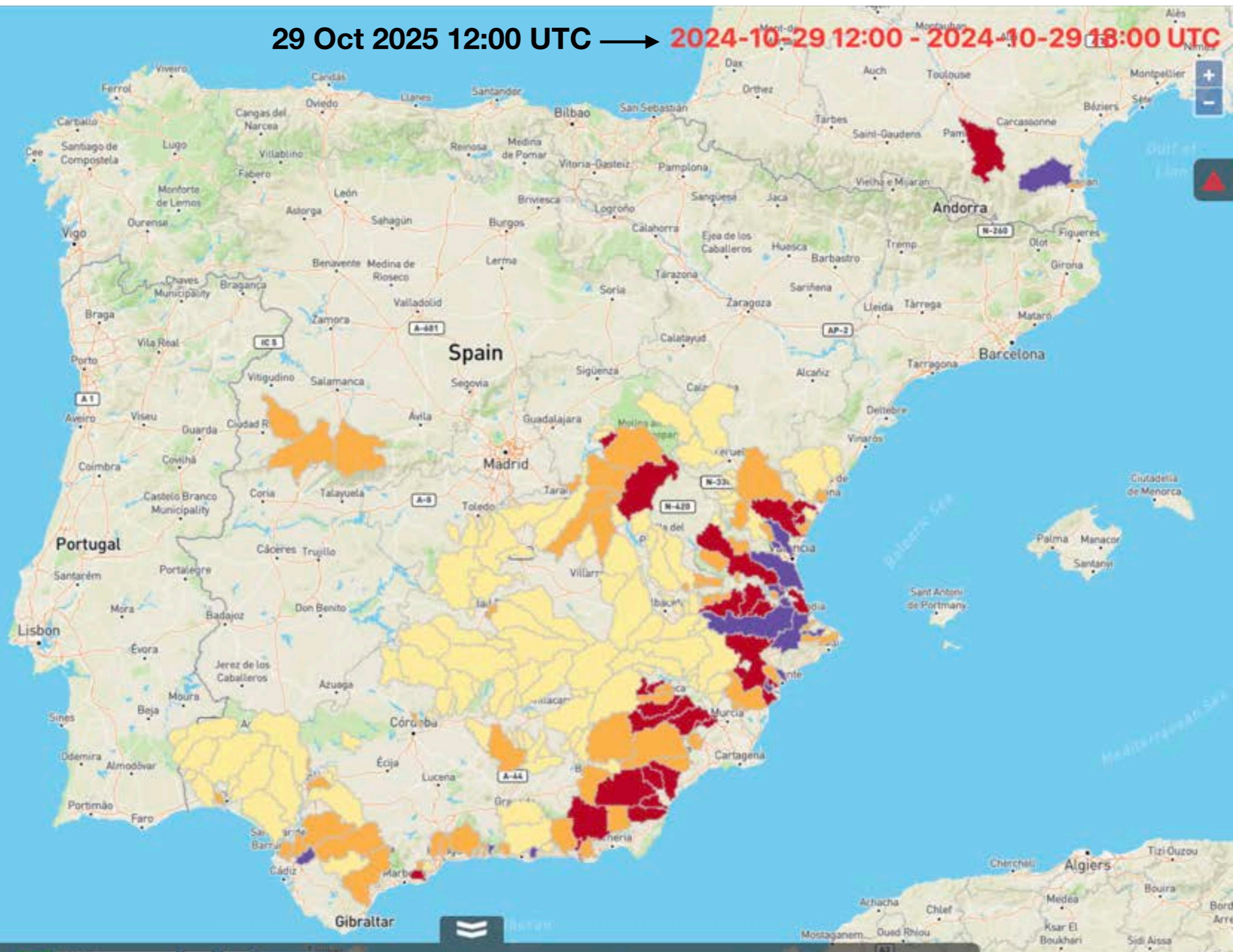
28 Oct 2025 12:00 UTC → 2024-10-29 12:00 - 2024-10-30 12:00 UTC



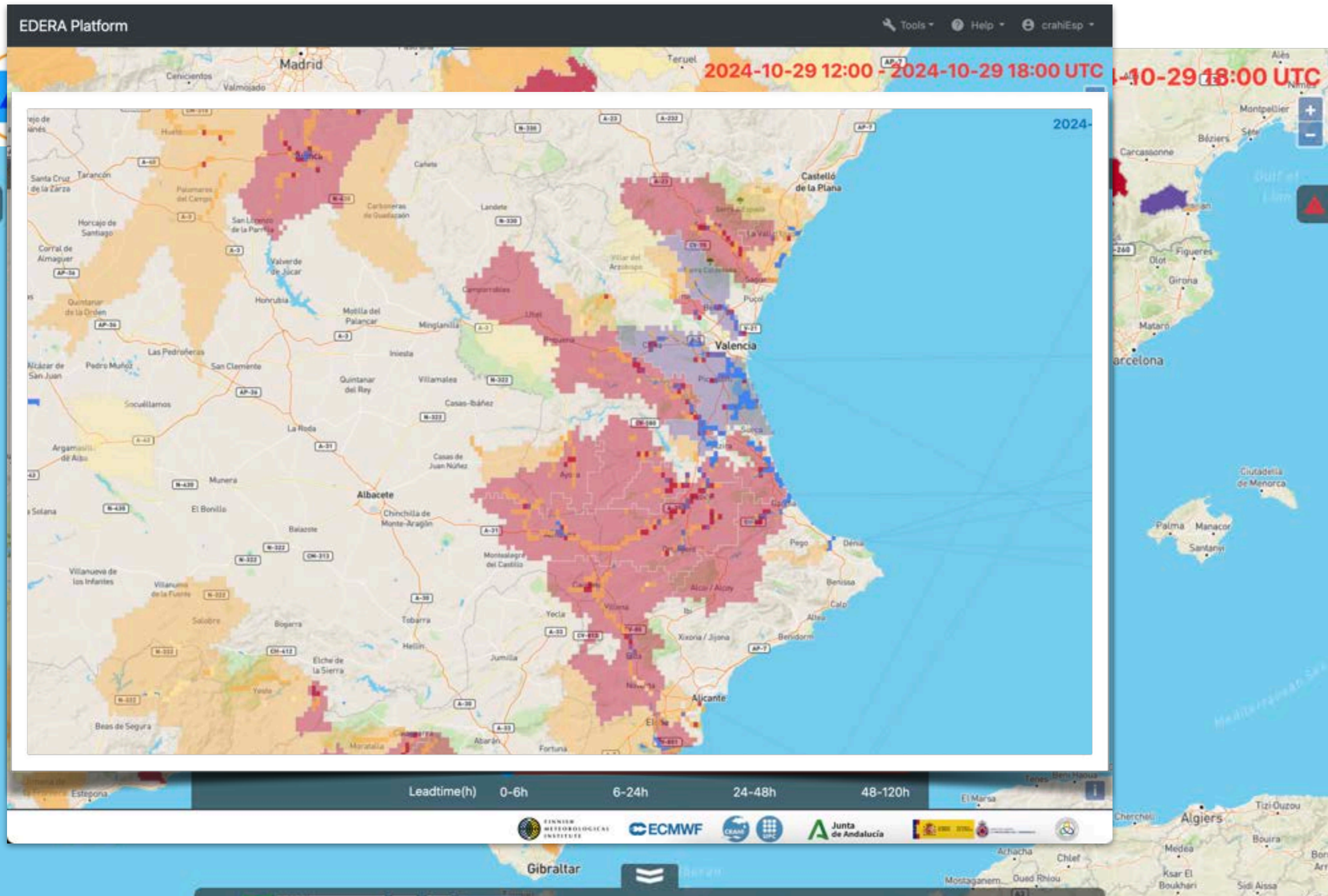
# FF impact forecasts



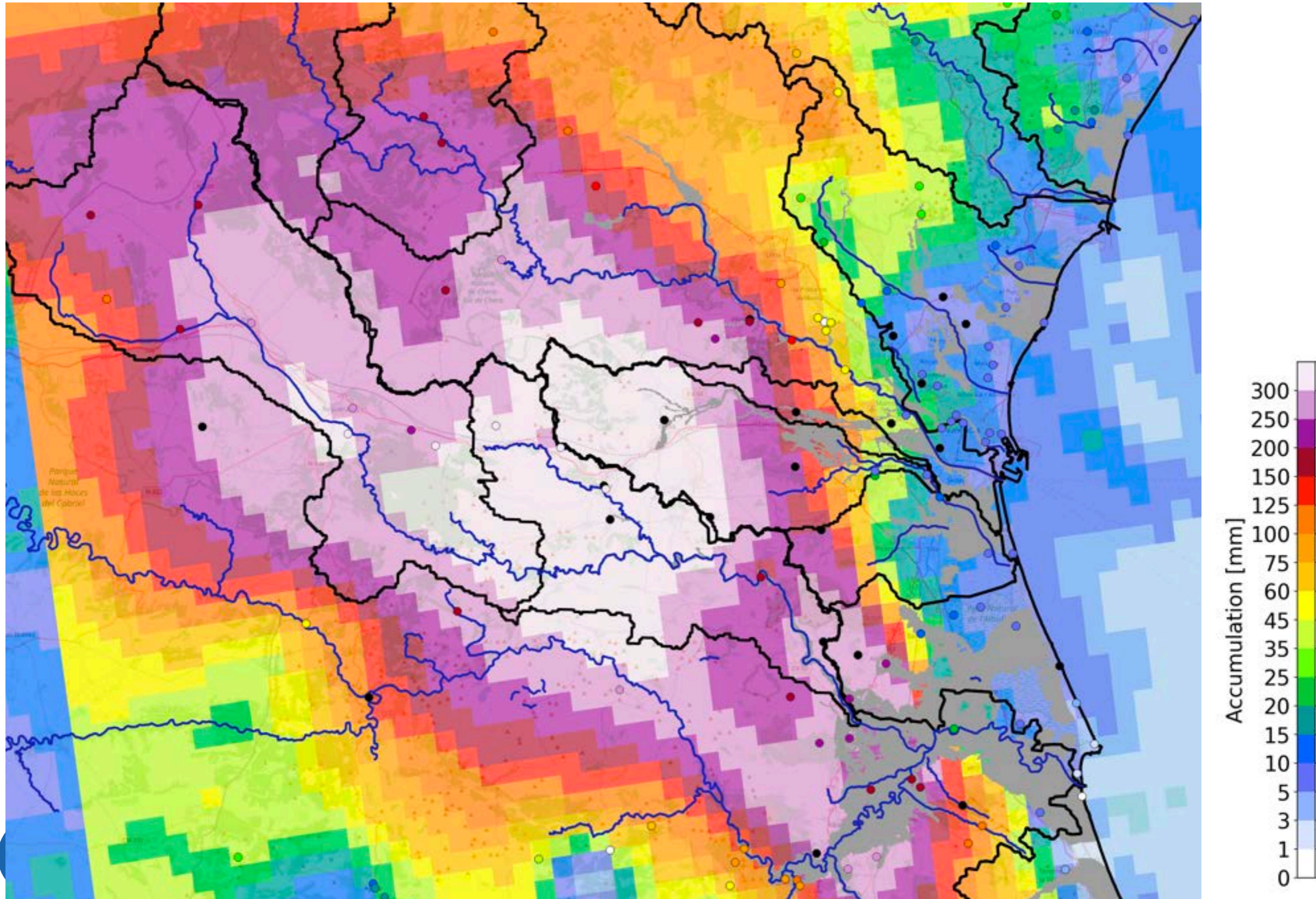
29 Oct 2025 12:00 UTC → 2024-10-29 12:00 - 2024-10-29 18:00 UTC



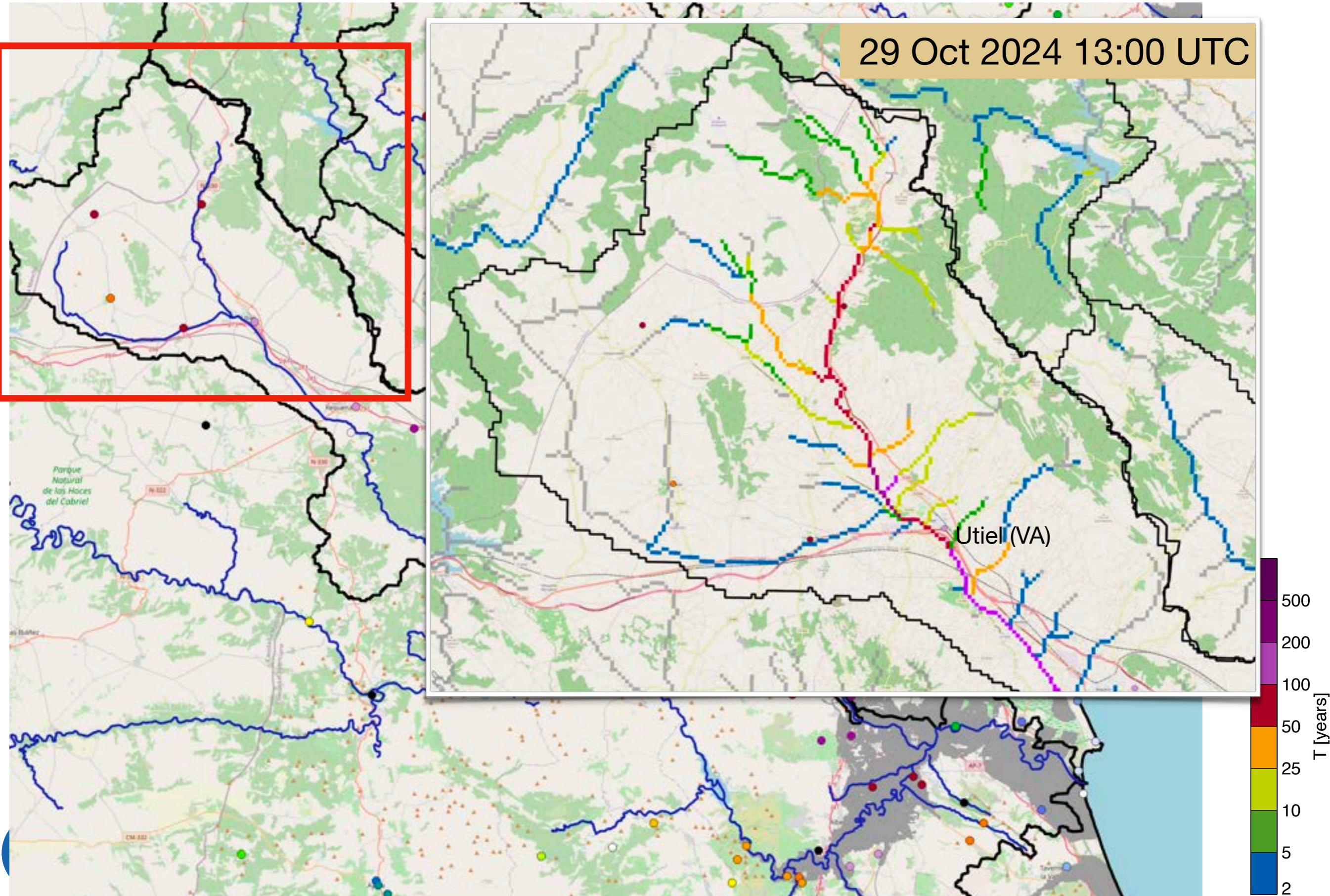
# FF impact forecasts



# Regional rainfall analysis



# Hydrological assessment



# Hydrological assessment

29 Oct 2024 19:00 UTC

L'Alcúdia (VA)

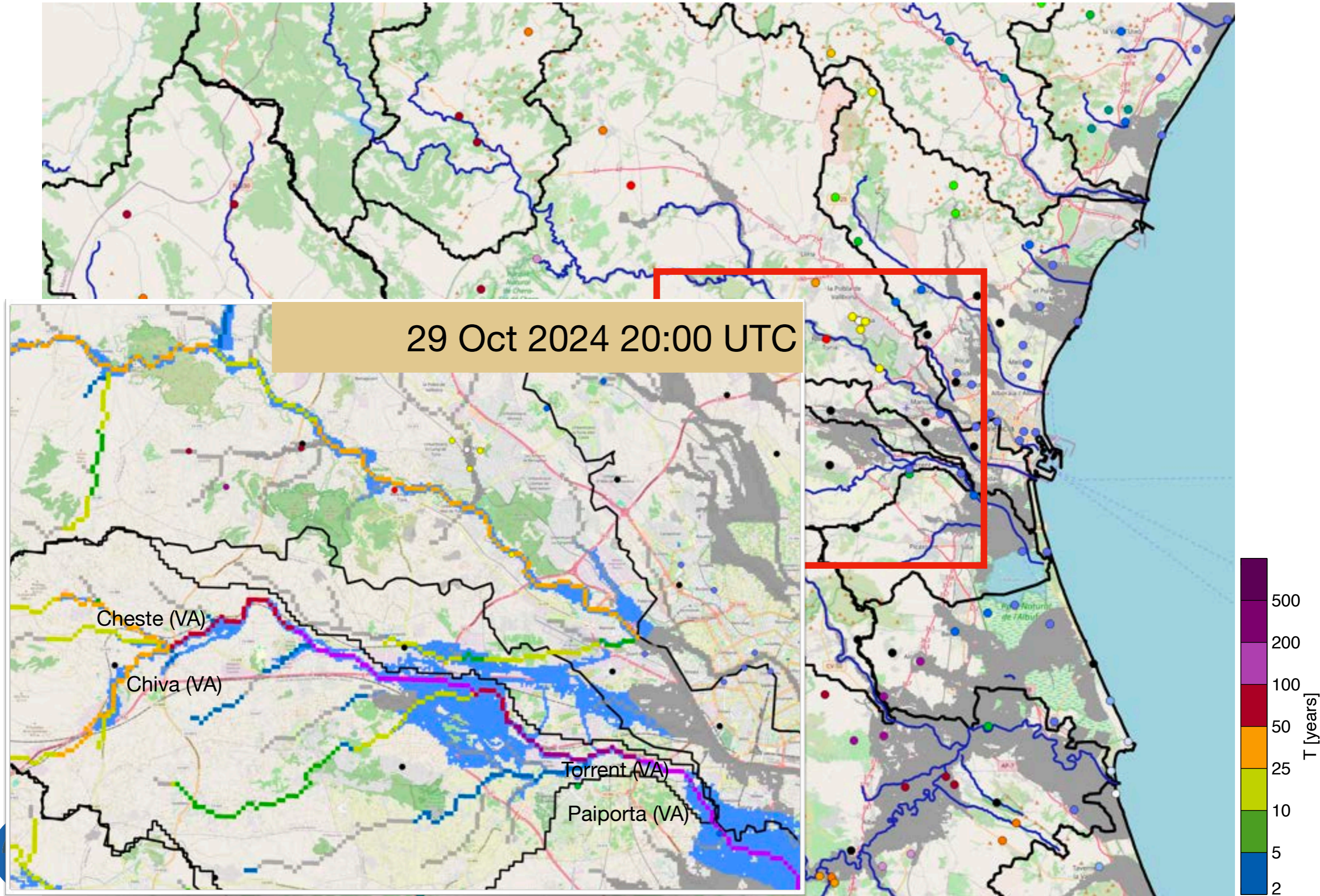
Algemesí (VA)

T [years]

500  
200  
100  
50  
25  
10  
5  
2



# Hydrological assessment



# October 2024 floods

## Flood forecasts and estimates

Marc Berenguer