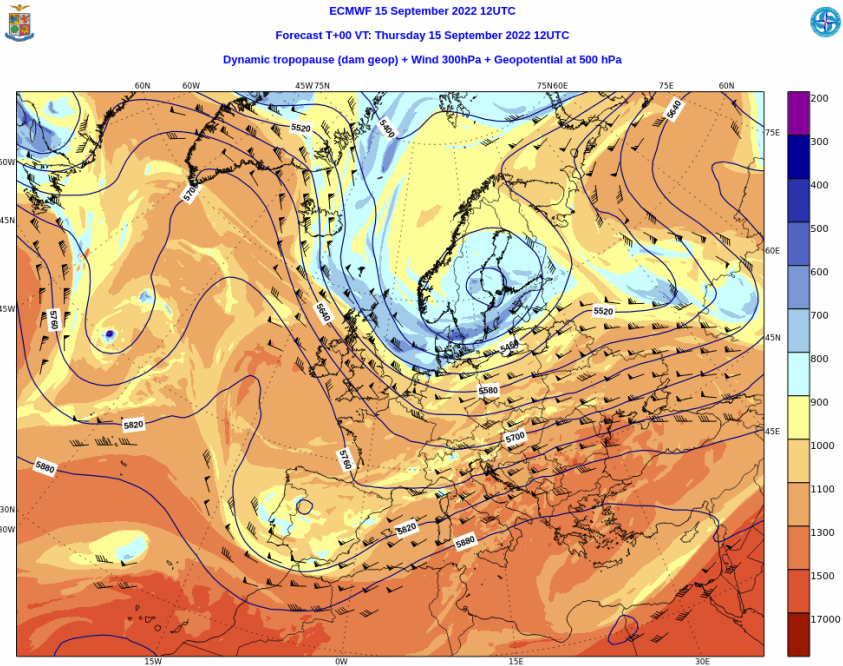


15th September 2022
Exceptional convective rainfall
over Marche

11 dead and 2 missing

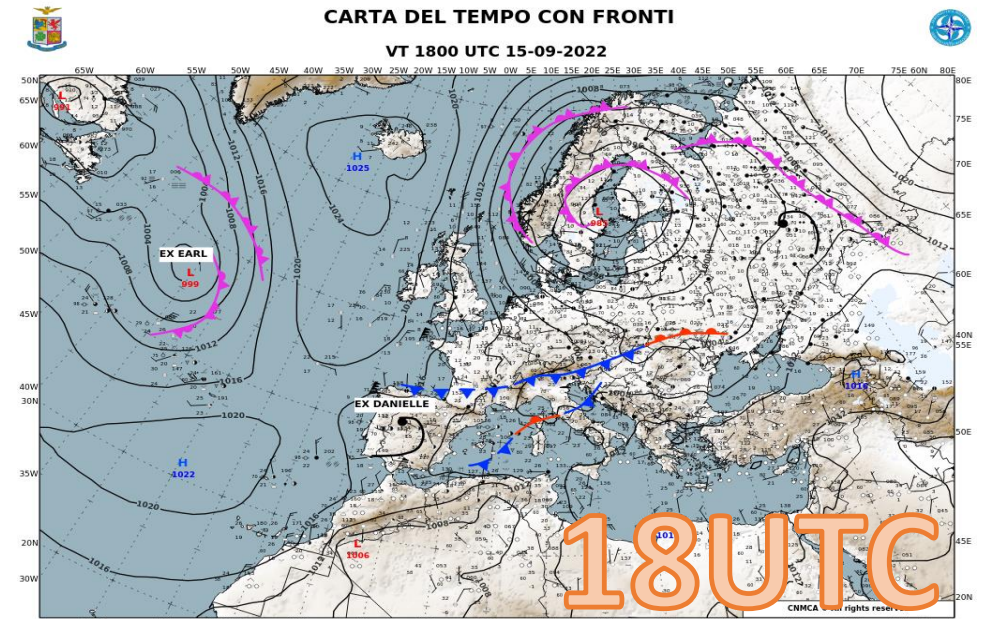
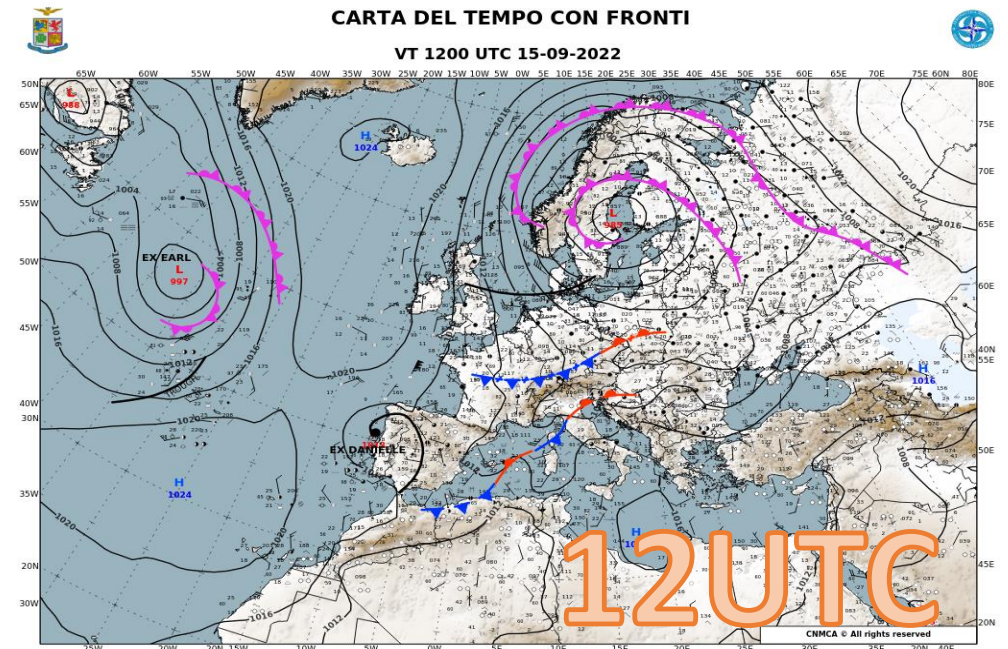


Synoptics



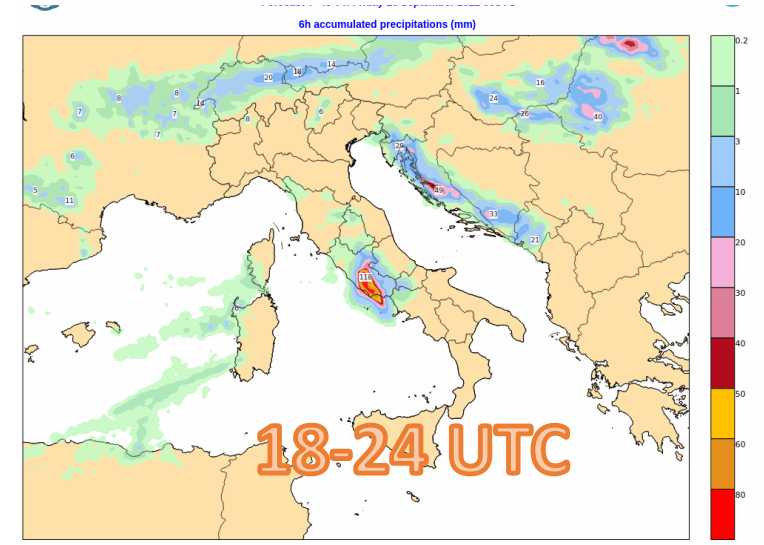
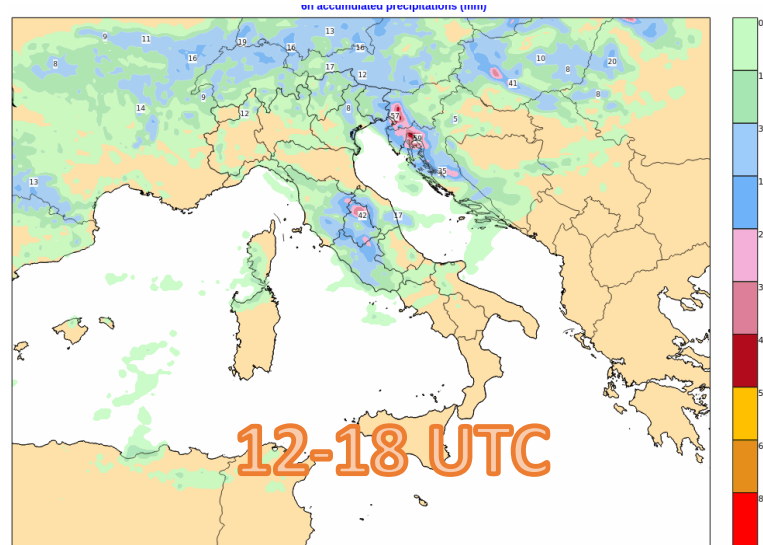
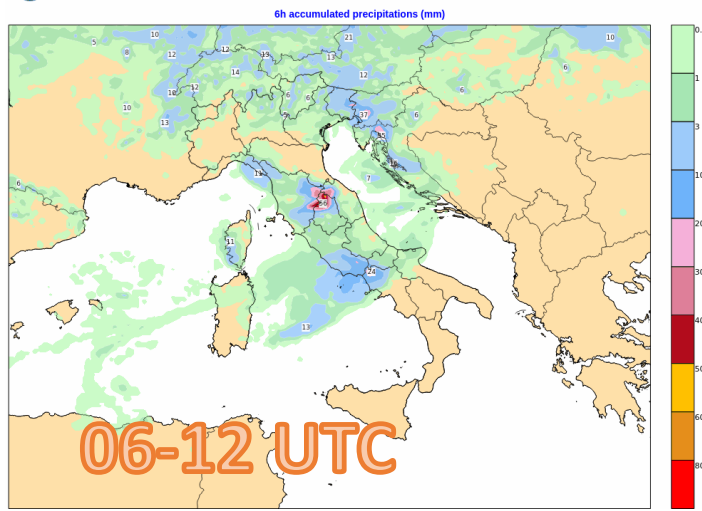
12UTC 15sept- 18UTC 15sept

- Upper level southern flow ;
- Low level baroclinicity over central Italy.

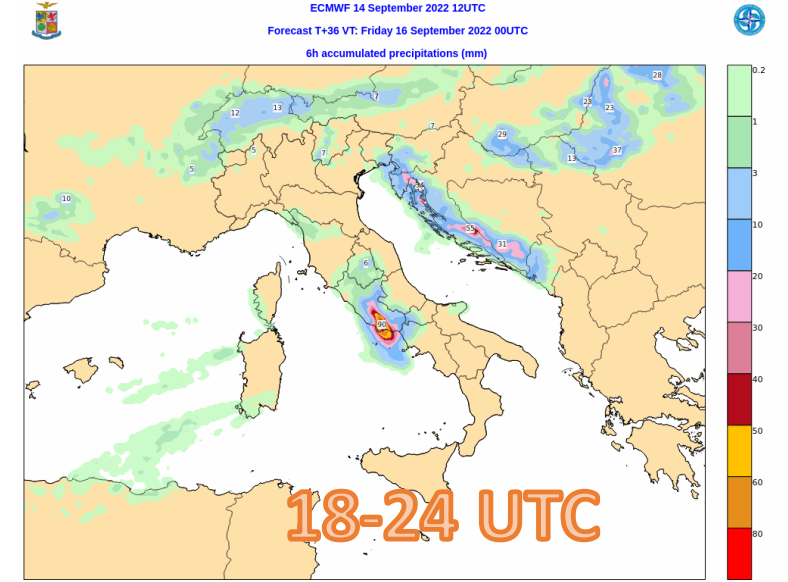
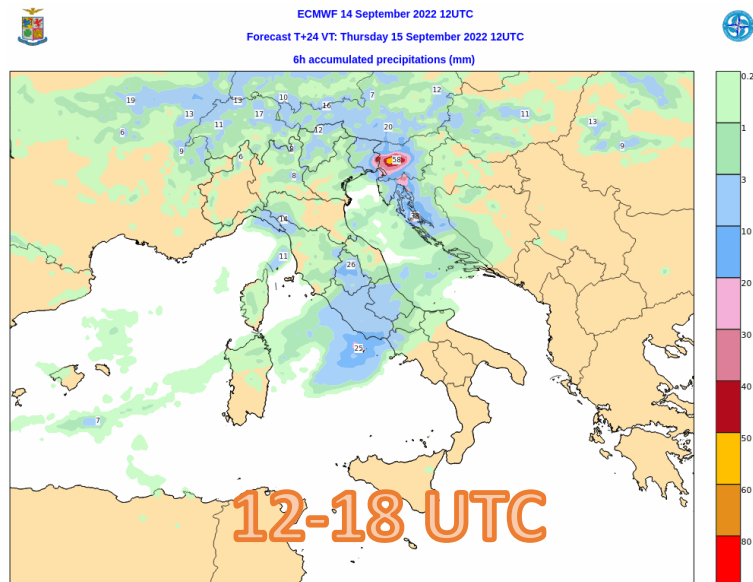
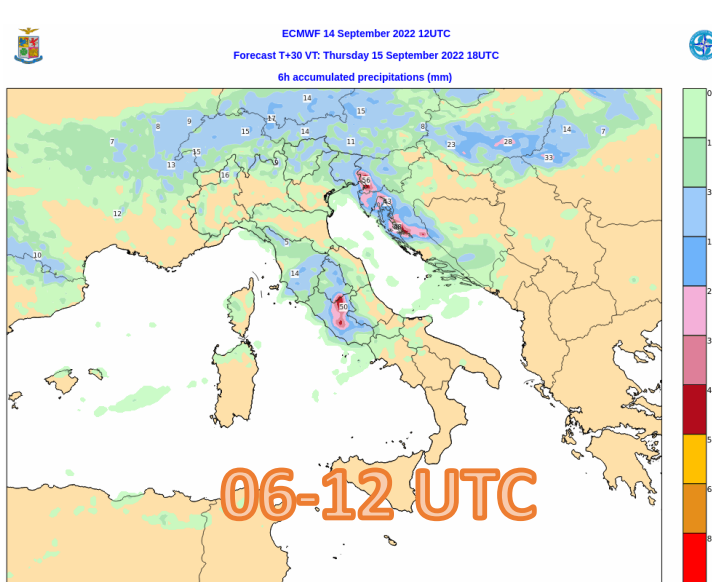


NWPs

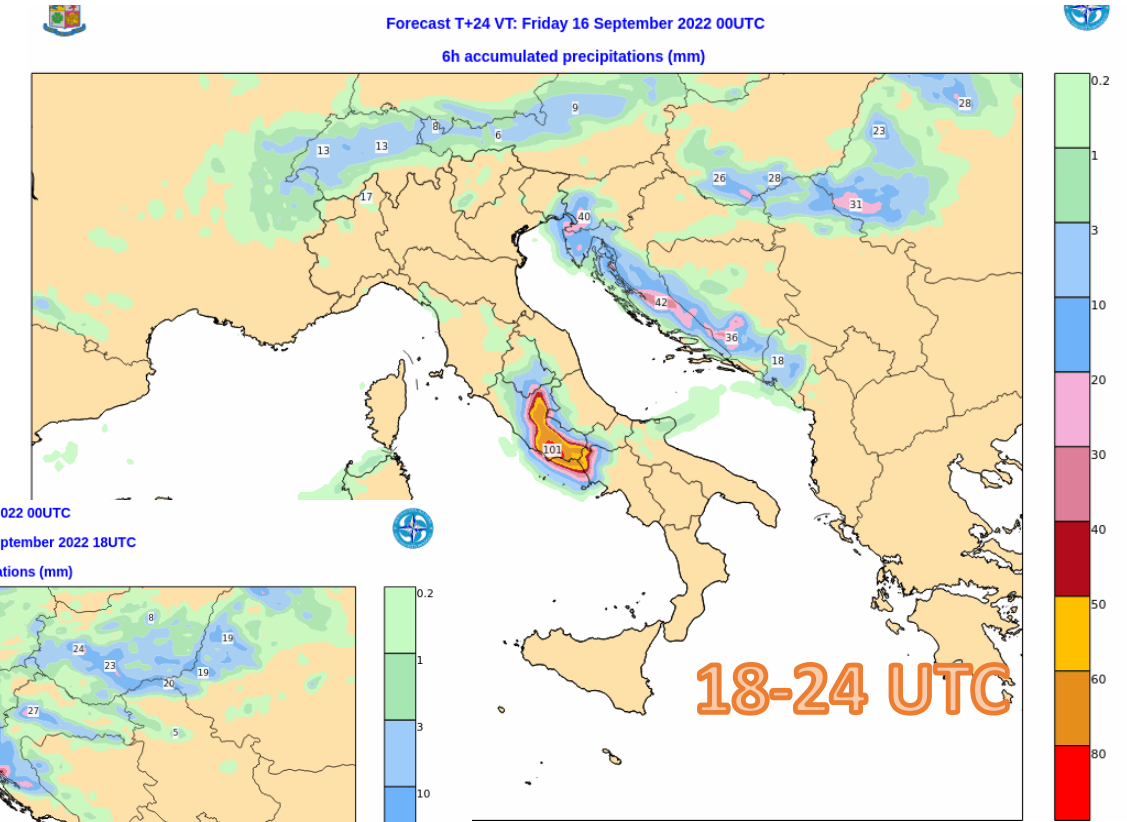
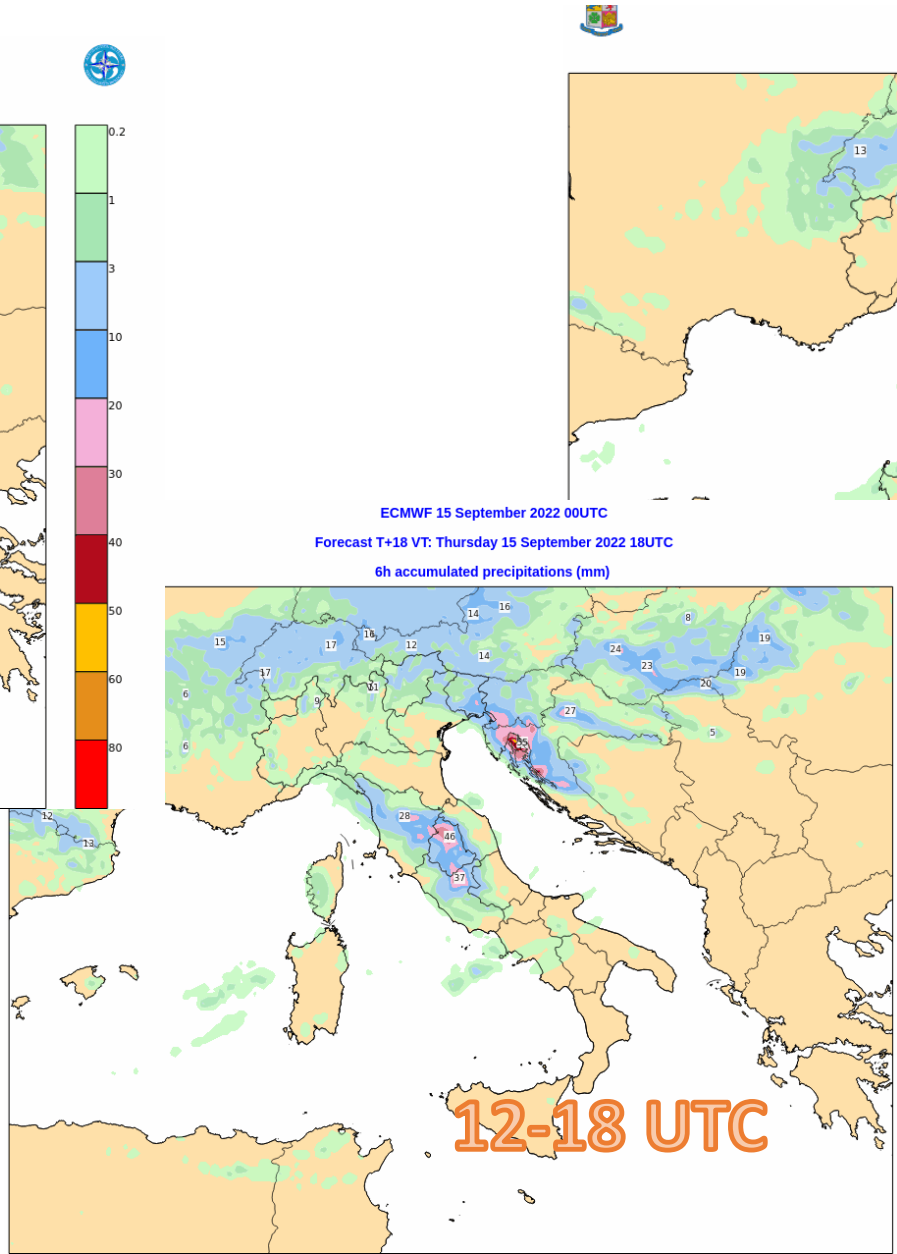
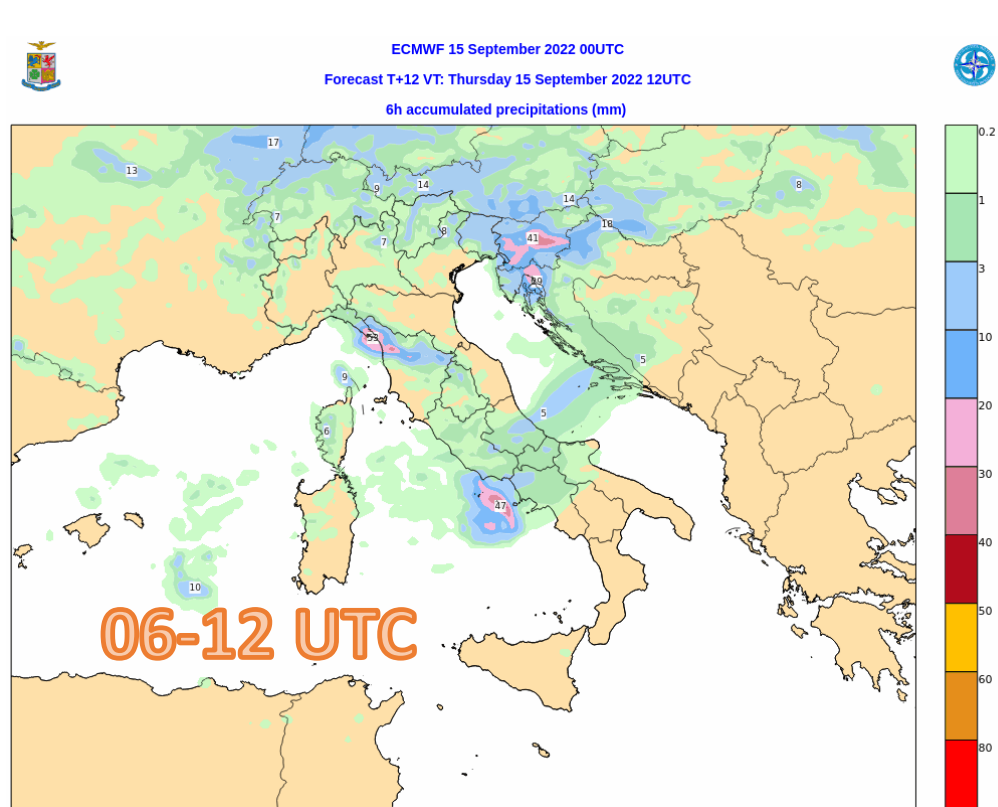
ECMWF total precipitation 14th sept - 00 UTC run VT: 15th sept



ECMWF total precipitation 14th sept - 12 UTC run VT: 15th sept



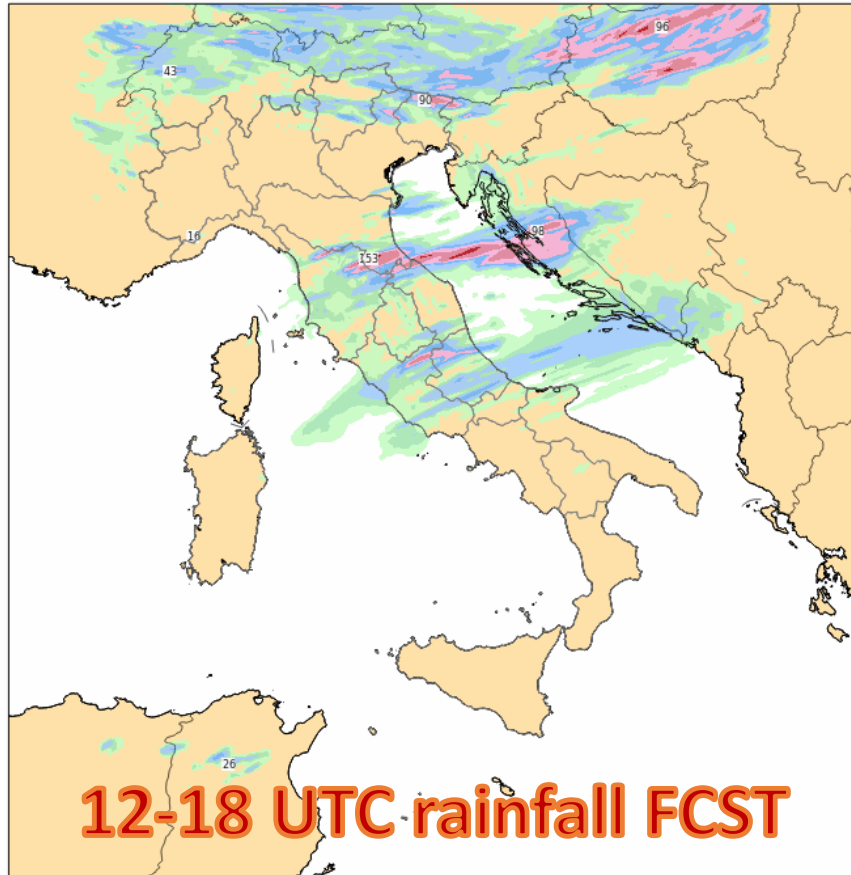
ECMWF total precipitation 15th sept - 00 UTC run VT: 15th sept



COSMO - ICON IT total precipitation 15th sept - 00 UTC run VT: 15th sept



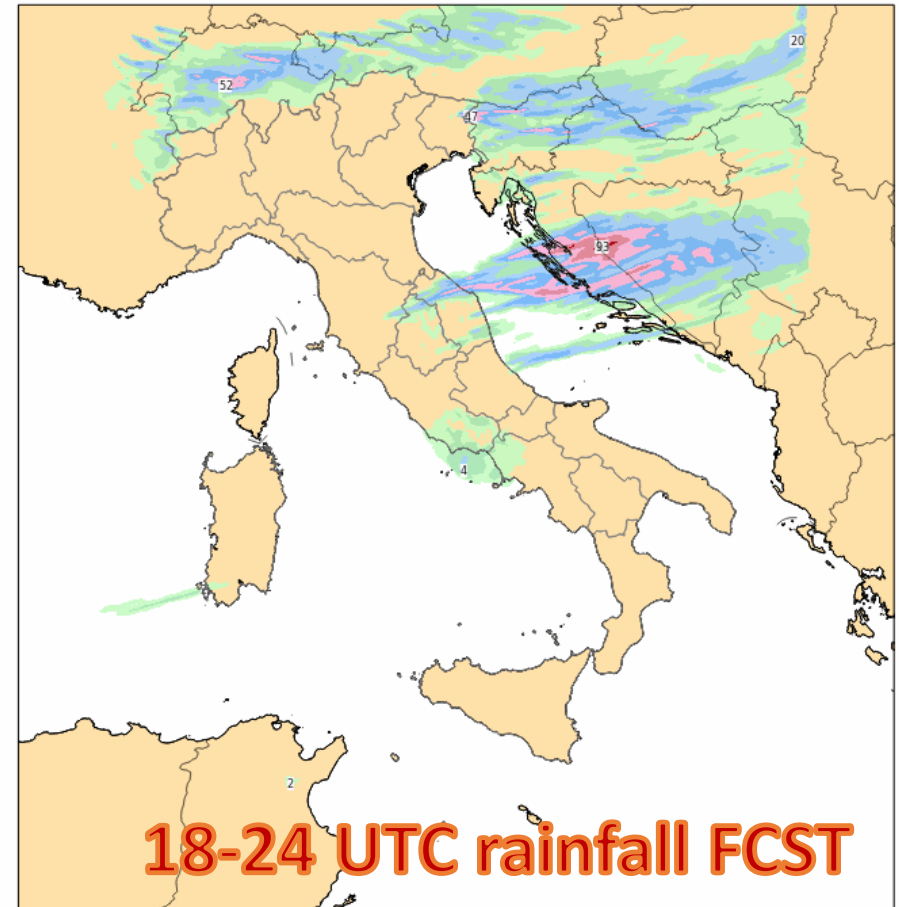
ICON-IT 15 September 2022 00UTC
Forecast T+18 VT: Thursday 15 September 2022 18UTC
6h accumulated precipitations (mm)



12-18 UTC rainfall FCST



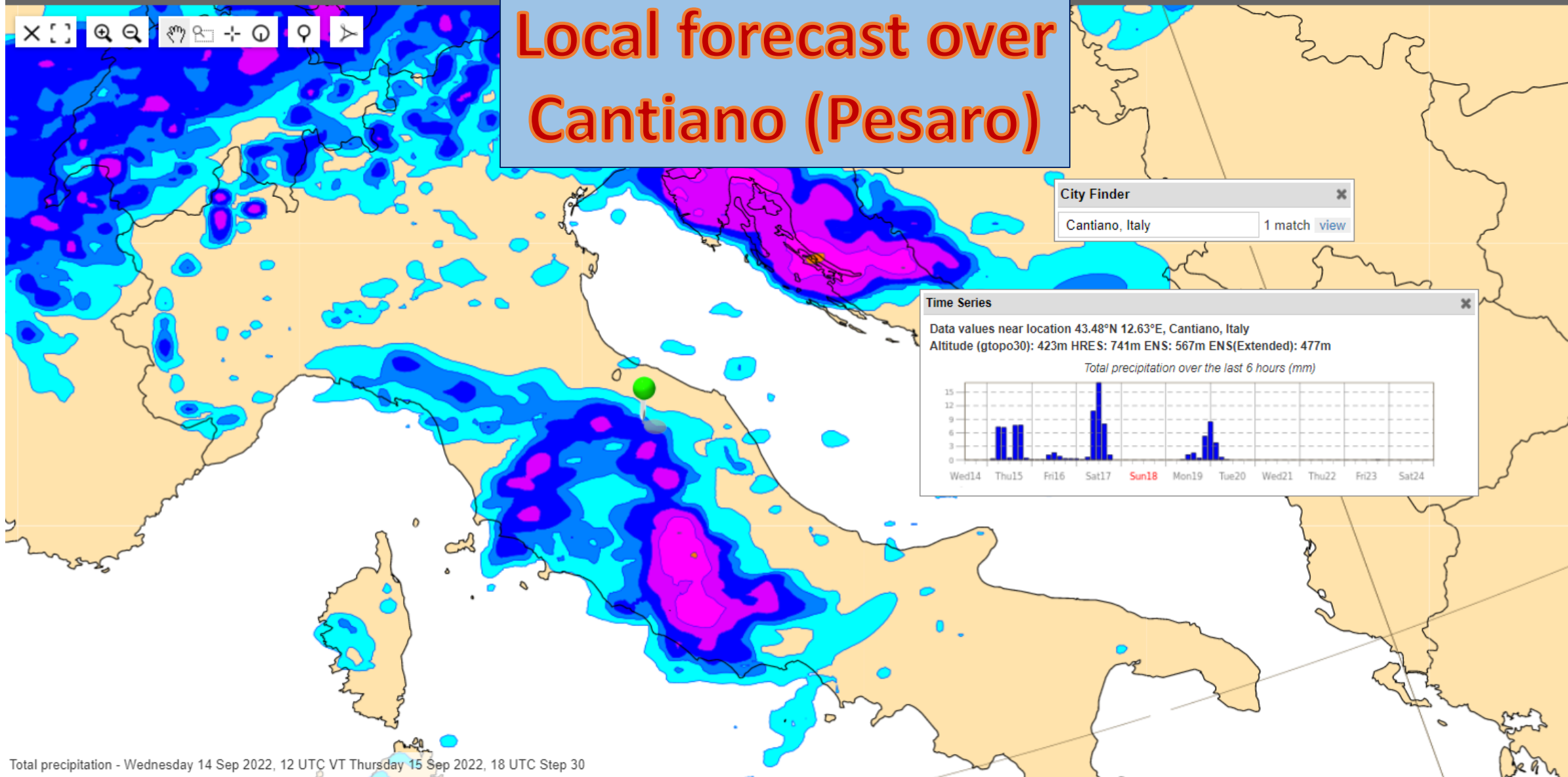
ICON-IT 15 September 2022 00UTC
Forecast T+24 VT: Friday 16 September 2022 00UTC
6h accumulated precipitations (mm)



18-24 UTC rainfall FCST

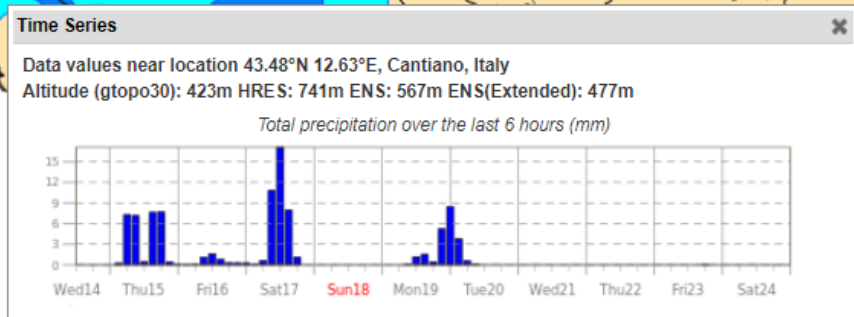


Local forecast over Cantiano (Pesaro)



City Finder

Cantiano, Italy 1 match [view](#)

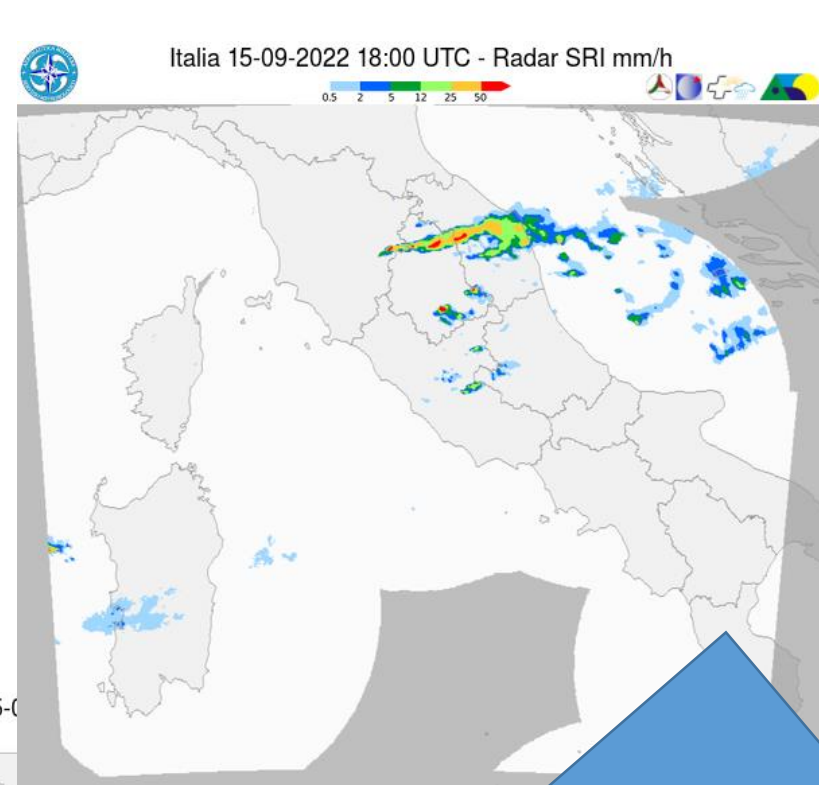
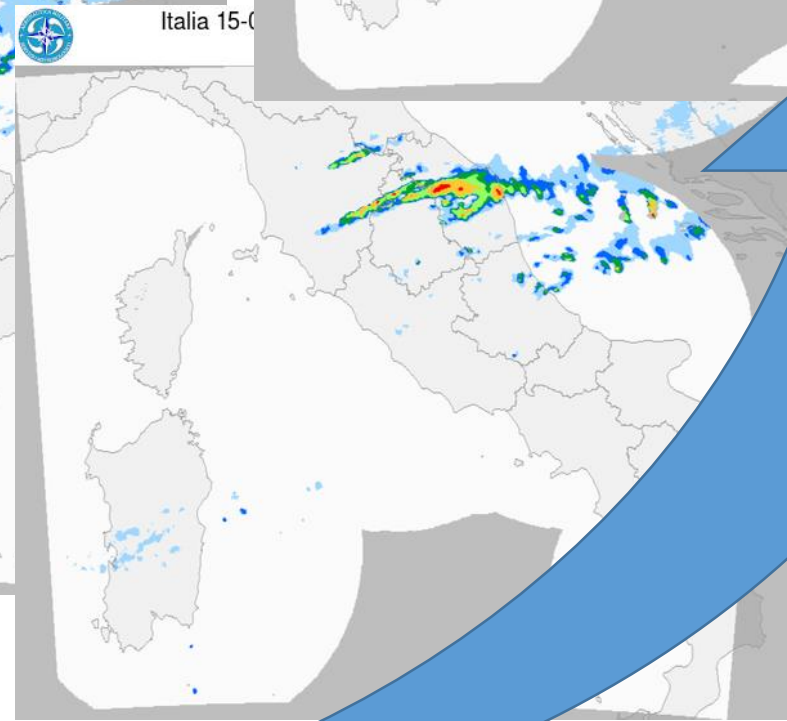
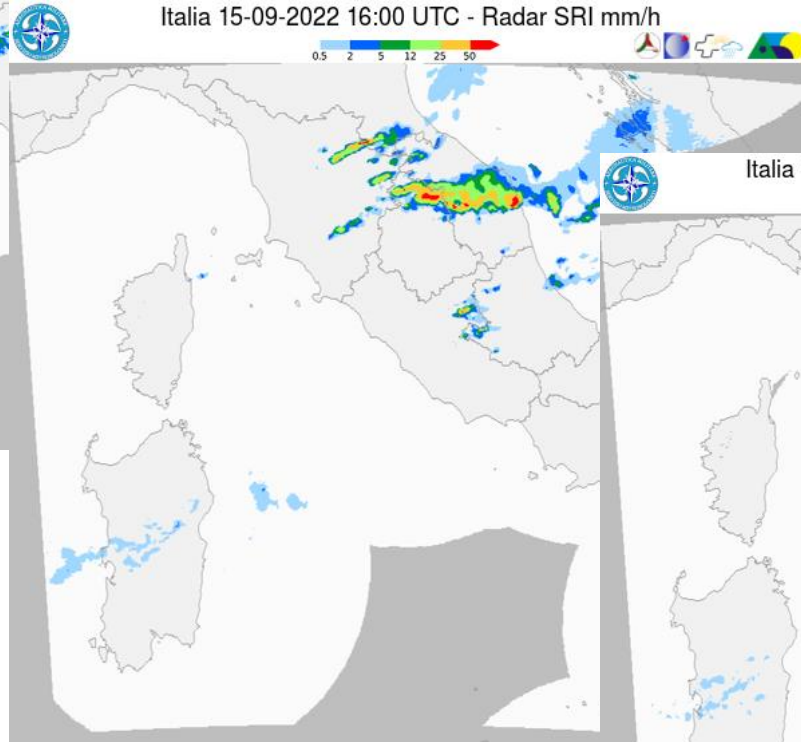
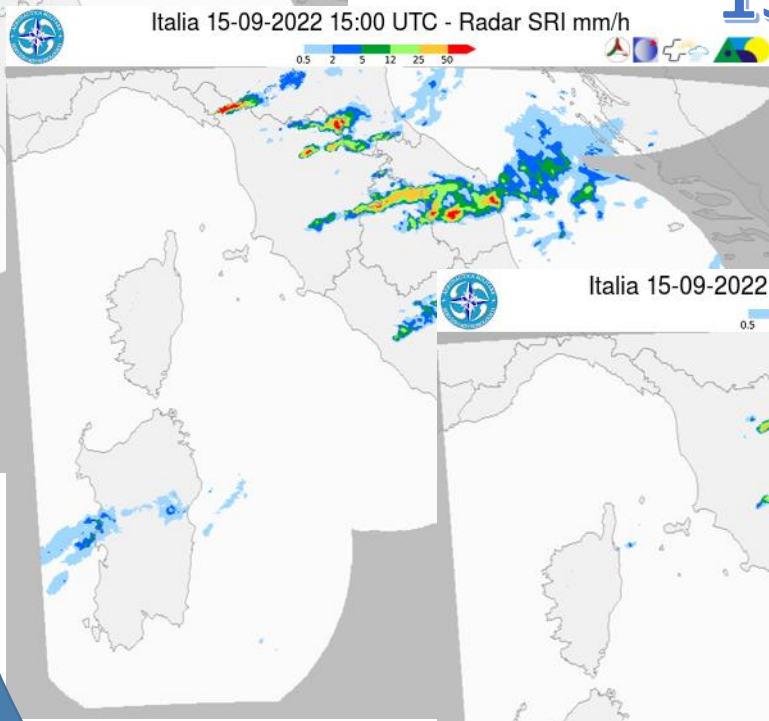
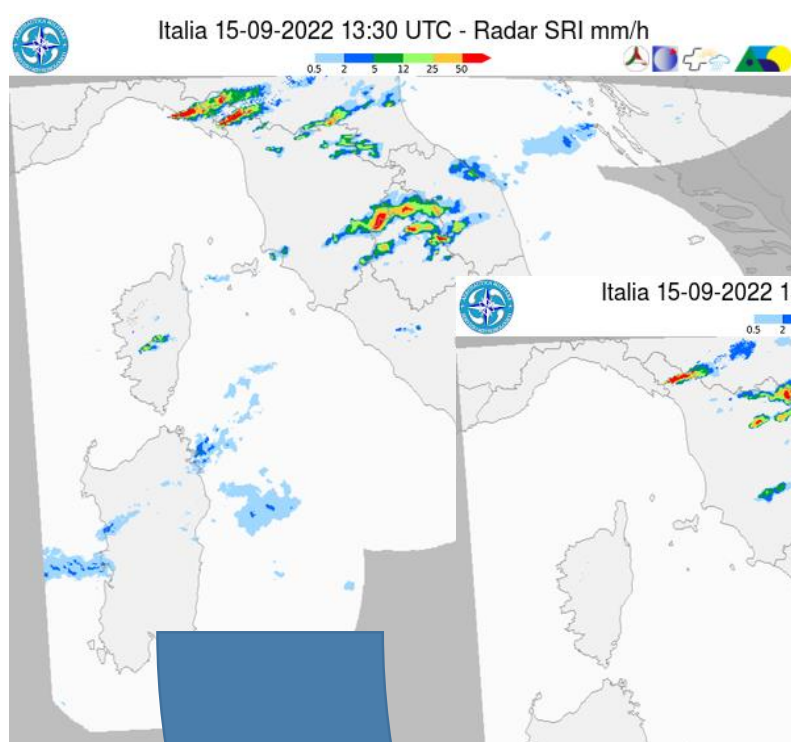


Total precipitation - Wednesday 14 Sep 2022, 12 UTC VT Thursday 15 Sep 2022, 18 UTC Step 30

Observations

SRI Radar

13:30 – 18:00

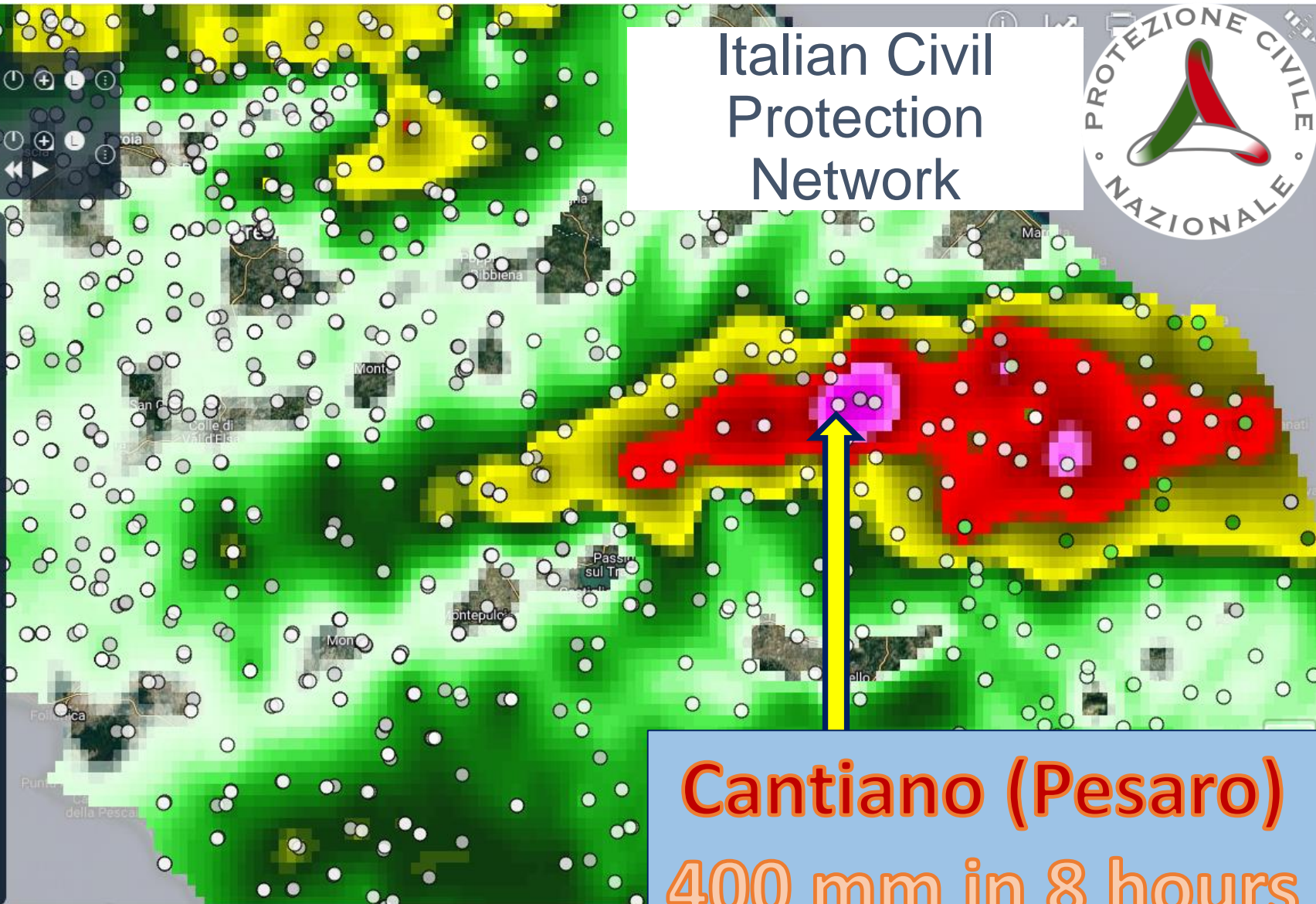




Italian Civil Protection Network

MAPPA_PIOGGIA

0 mm	Nome Layer	Mappa di Pioggia
2 mm	Descrizione	Mappa di Pioggia
5 mm	Data di Riferimento	16/09/2022 00:00
10 mm	Cumulata su	Ultime 24 Ore
15 mm	Aggregazione Spaziale	Nativa
20 mm	Da	15/09/2022 00:00
25 mm	A	16/09/2022 00:00
30 mm	Sensor	Raingauge
39 mm	Interpolatore	GRISO Ver. 2
40 mm	Pioggia Cumulata	Ultime 24 Ore
50 mm	Valori Filtrati	Nessun Valore
60 mm	Risoluzione Spaziale	Nativa
70 mm		
80 mm		
90 mm		
99 mm		
100 mm		
125 mm		
150 mm		
175 mm		
200 mm		
300 mm		
400 mm		
500 mm		
600 mm		
700 mm		
800 mm		
900 mm		
1000 mm		

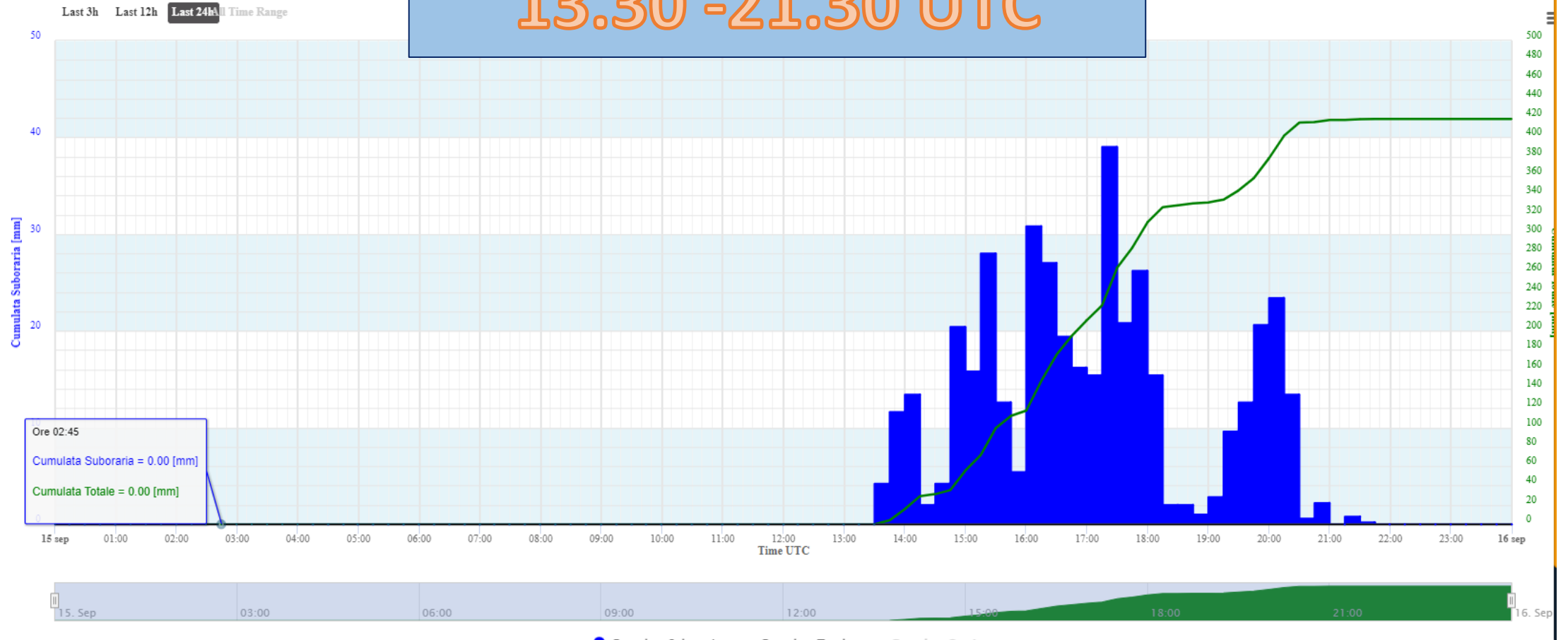


Cantiano (Pesaro)
400 mm in 8 hours

Cantiano (Pesaro)

400 mm in 8 hours

13.30 -21.30 UTC



REMARKS

- Convective System for about 8 hours;
- Bad localization of precipitation and underestimation of peak, better estimation by ICON IT;
- Heavy rain forecast over Latium since 00 UTC Run of 13° september , not observed.

