

Heavy rainfall: 10th - 12th of November 2022 Valencian Community

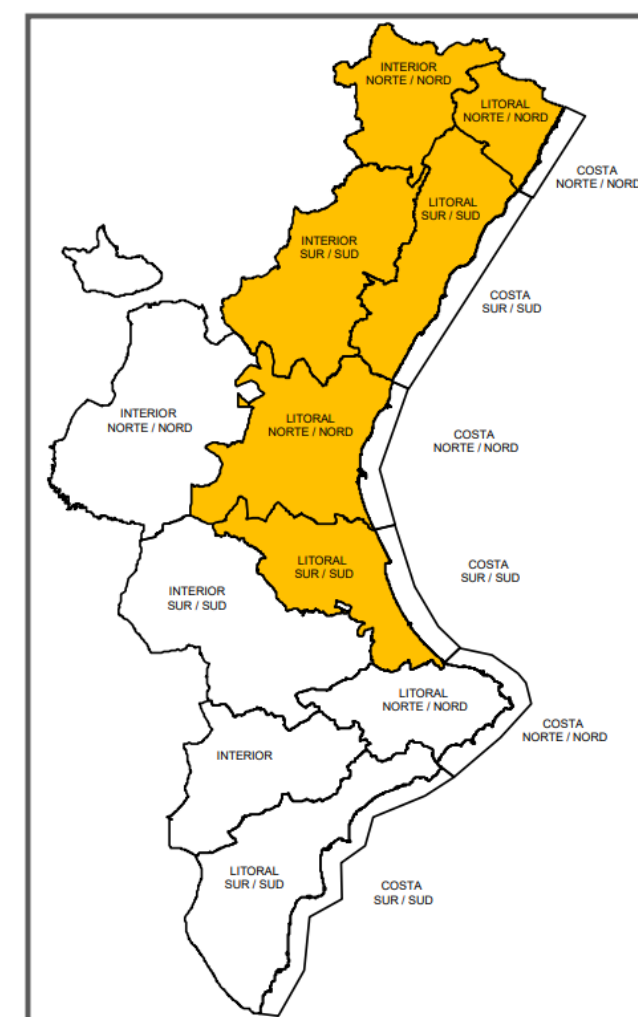
Jorge Suárez (S+EM)

TIMELINE

09/11/22 Emergency Coordination Centre of the Valencian Community (CCE) issues the first warnings to the population and agencies based on the information received by the Spanish State Meteorological Agency (AEMET). (Yellow level)

10/11/22 CCE declares state of Pre-emergency for rainfall in coast of the provinces of Castellon and Valencia, which is later updated in the interior of Castellon

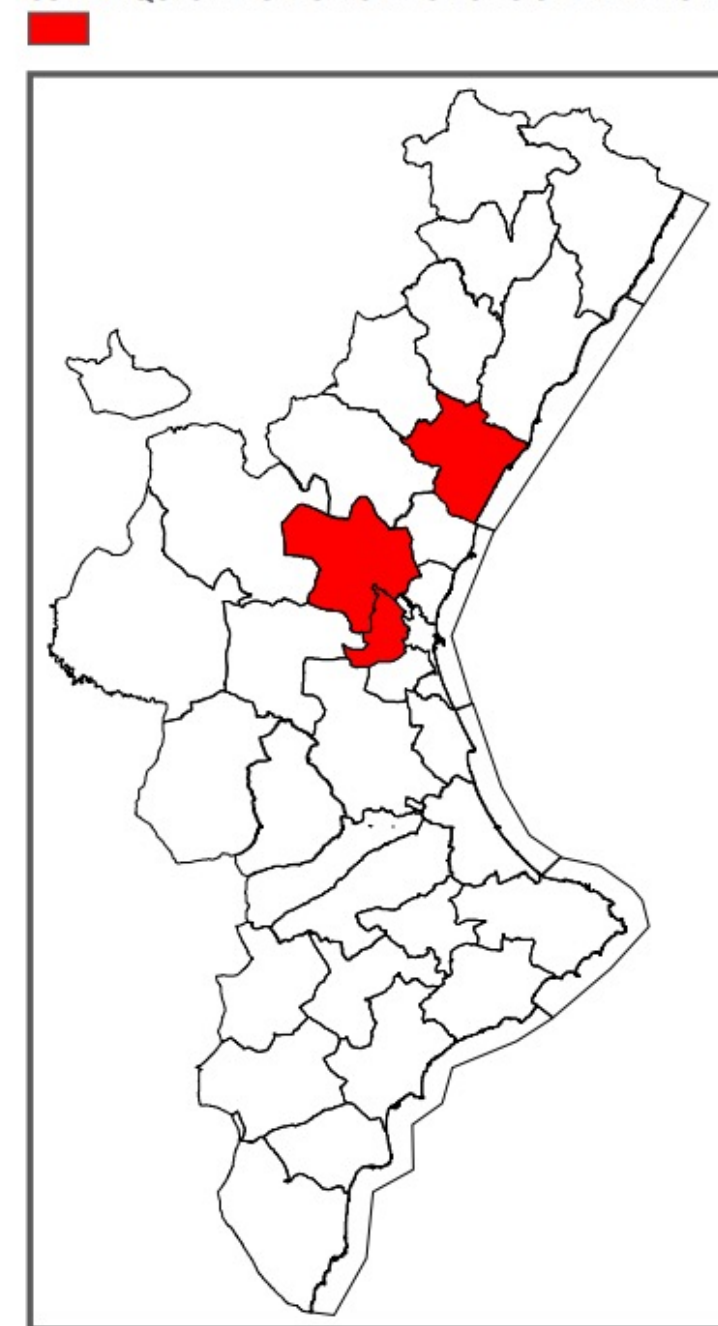
ZONAS METEOROLÓGICAS EN PREEMERGENCIA
ZONES METEOROLÒGIQUES EN PREEMERGÈNCIA



12/11/22 Because intensity of the rains and the effect on the population its declared state if Emergency in the councils of L'Horta Oest and later in Camp de Turia (both in Valencia) and in La Plana Baixa (Castellón)

14/11/22 End all emergency situations

COMARCAS Y MUNICIPIOS EN SITUACIÓN DE EMERGENCIA
COMARQUES I MUNICIPIS EN SITUACIÓ D' EMERGÈNCIA



CIVIL PROTECTION INCIDENTS

Rescue services managed a total of 200 services mainly related to: water drains, façade cleaning and tree falls

Power cuts in many towns in the metropolitan area of Valencia

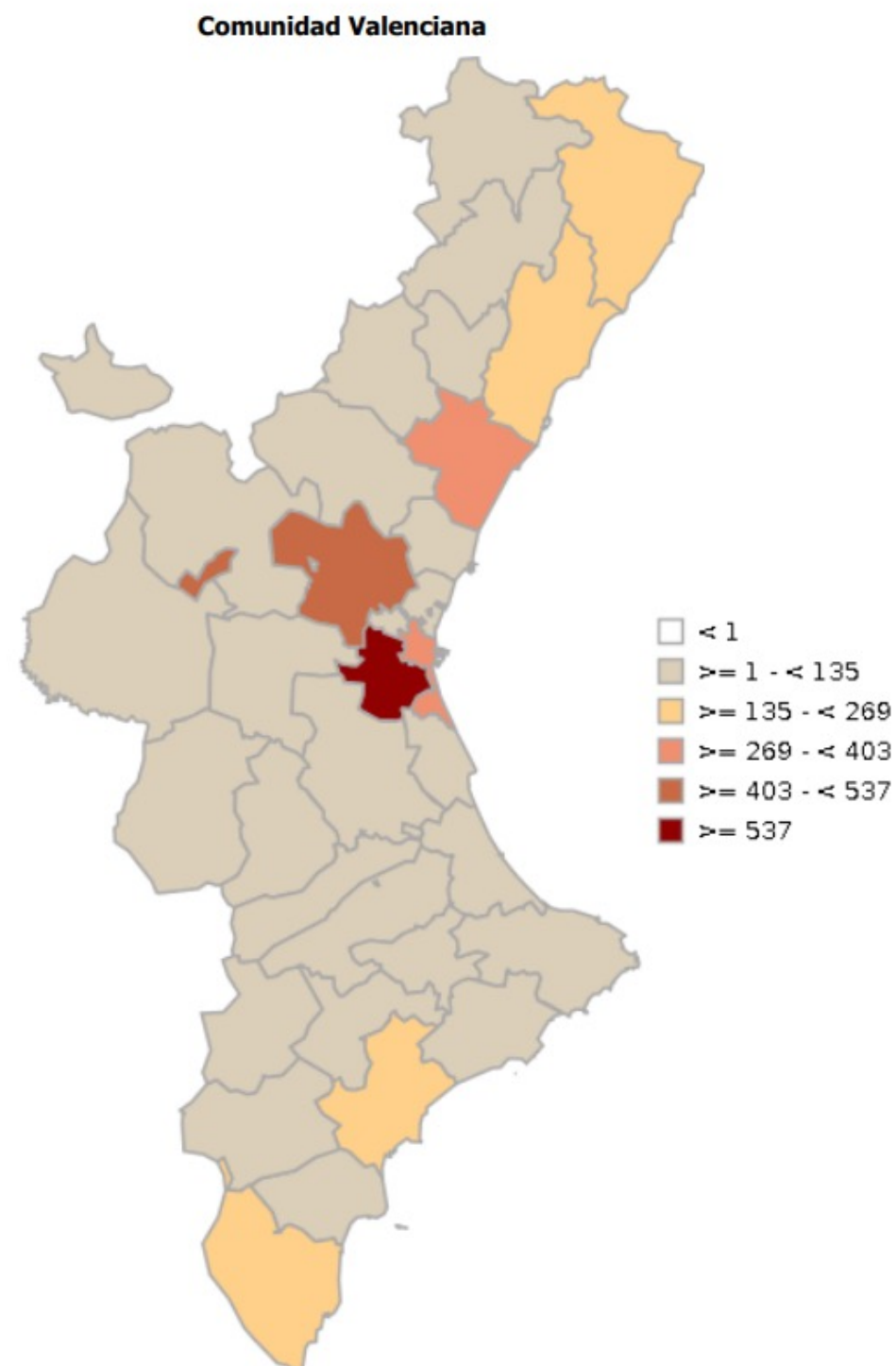
On the morning of the 12th, Valencia Airport was closed due to accumulation of water on the runway

Closure of numerous roads including the left lane of the A-3

Shuts in train network and metro lines



The 112 received a total of
3,081 calls (2,136
incidents)



RAINFALL

Comarques del nord		Comarques del centre		Comarques del sud	
● Xert	395,4	● Torrent Av. al Vedat	231,6	● Pego Musical	116,4
● Rossell Bel	377,6	● Riba-roja de Túria Centro	228,6	● Pego centre	114,8
● la Pobla de Benifassà Coratxà	282,8	● Aldaia Barri del Crist	216,6	● Xàbia Asevi	113,2
● Burriana Centro	262,4	● la Pobla de Vallbona La Muntanyeta	213,4	● l'Atzúbia Forna	113,0
● Vila-real les Solaes	261,7	● Torrent Policia Local	206,4	● Dénia Jesús Pobre	112,4
● Sant Mateu Oest	256,7	● Manises la Presa	203,0	● Pego la Plana	111,5
● Rossell Ajuntament	255,0	● Riba-roja de Túria Polígon	196,4	● Xàbia port	109,8
● Sant Mateu Aigua Nova	248,5	● Torrent CEIP Antonio Machado	194,5	● Xàbia Centre Històric	109,8
● les Alqueries	247,8	● Benaguasil	181,3		
● Burriana Casa Burga ivía	245,8	● la Pobla de Vallbona	179,2		
● Vila-real Carinyena	238,2	● l'Eliana centre	175,6		
● les Alqueries Cap de Terme	229,4	● l'Eliana Ajuntament	175,0		
● Sant Mateu IES Maestrat	229,0	● l'Eliana Barranc de Mandor	165,0		
● Vallibona	227,8	● Bétera la Conarda	153,2		
● Burriana Club Náutic	221,8	● Vilallonga nord	140,7		
● Vila-real Col·legi Santa Maria	219,0	● Albal centro	137,0		
● Rossell les Cases del Riu	216,8	● Albal	136,6		
● Benassal	213,8	● Quart de Poblet	136,0		
● Sant Mateu Molins	210,0	● Torrent el Vedat	124,0		
● Burriana Serratella	208,4	● Vilamarxant Ayuntamiento	120,6		
● Canet lo Roig	207,0	● Marines	118,6		
● Vila-real Urb. Madrigal	204,4	● Xirivella Centro Cívico	118,4		

SOCIAL MEDIA

X



Levante
EL MERCANTIL VALENCIANO

El aeropuerto de Manises cierra su pista de aterrizaje por la acumulación de agua

Diversos vuelos han tenido que ser desviados a otros aeropuertos, como el de Zurich o el de Ibiza

Carla Melchor

València | 12-11-22 | 12:41 | Actualizado a las 14:12



La pista de aterrizaje de Manises esta mañana.

El aeropuerto de Manises ha cerrado hoy la pista de aterrizaje como consecuencia de las torrenciales lluvias registradas desde ayer por la noche. De hecho, según datos de la Agencia Estatal de Meteorología

MANISES 10th -12th Nov 2022

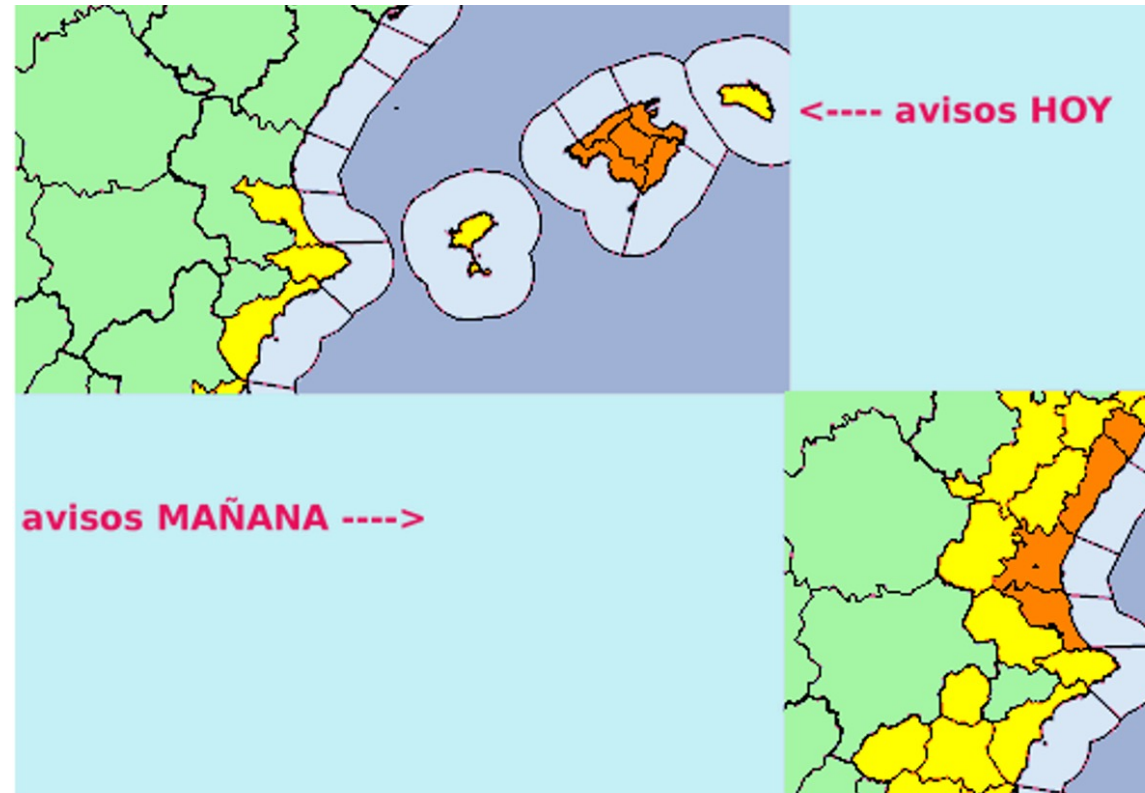
EXAMPLE OF FLASH FLOOD IMPACT OVER THE RIVER, AND URBAN AREAS AND SUB- CATCHMENTS

NATIONAL PERSPECTIVE:
AEMET ALERTS
EFAS INFORMATION
How to use Edera Platform?

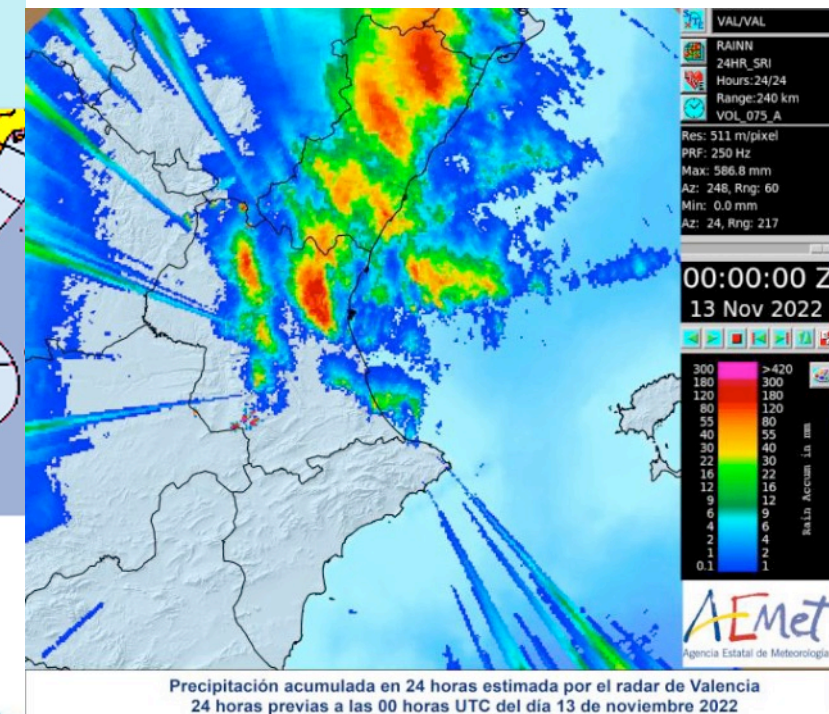
Rosa Torres (DGPCE)

OFICIAL Summary of the episode:

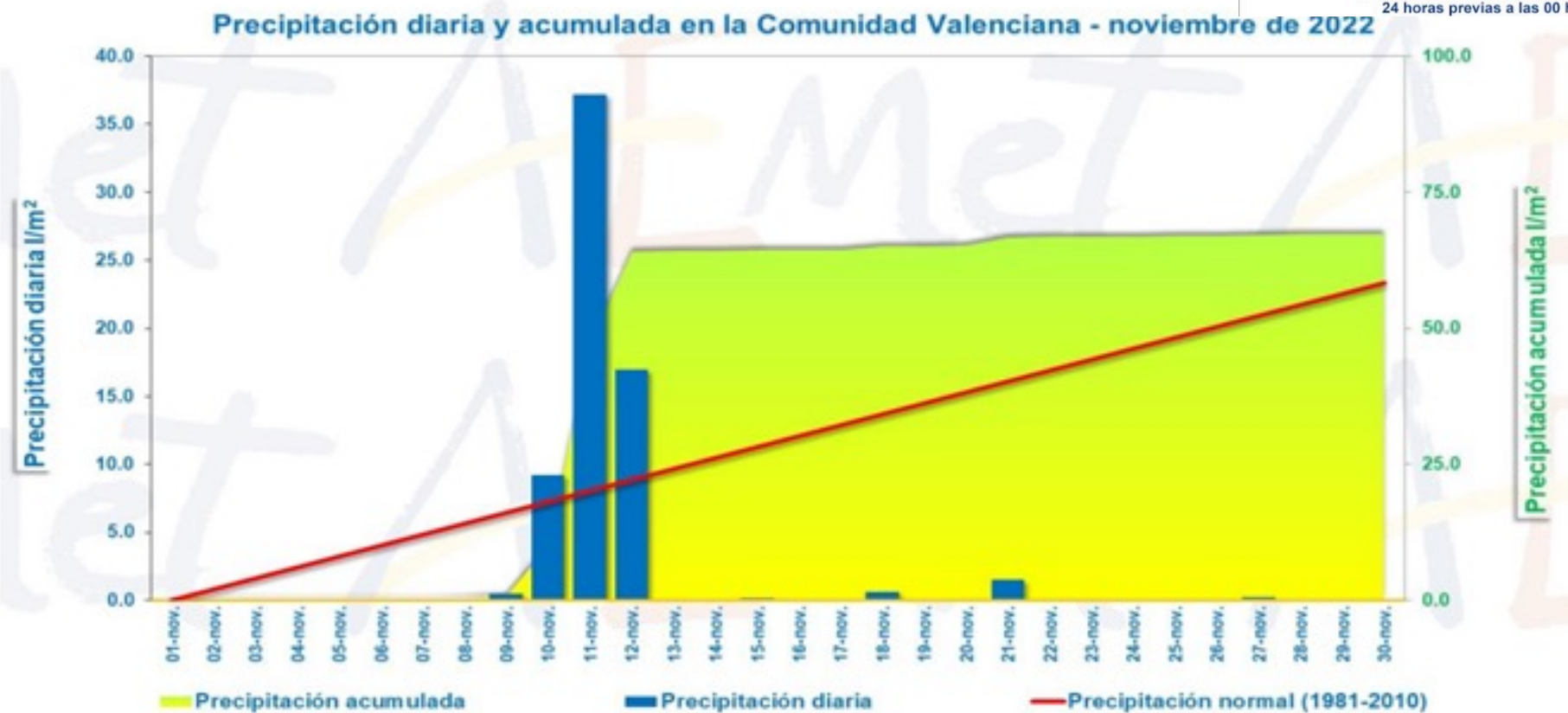
OFICIAL WARNINGS
AEMET ALERTS
AND ACCUMULATION
INFORMATION



Radar information



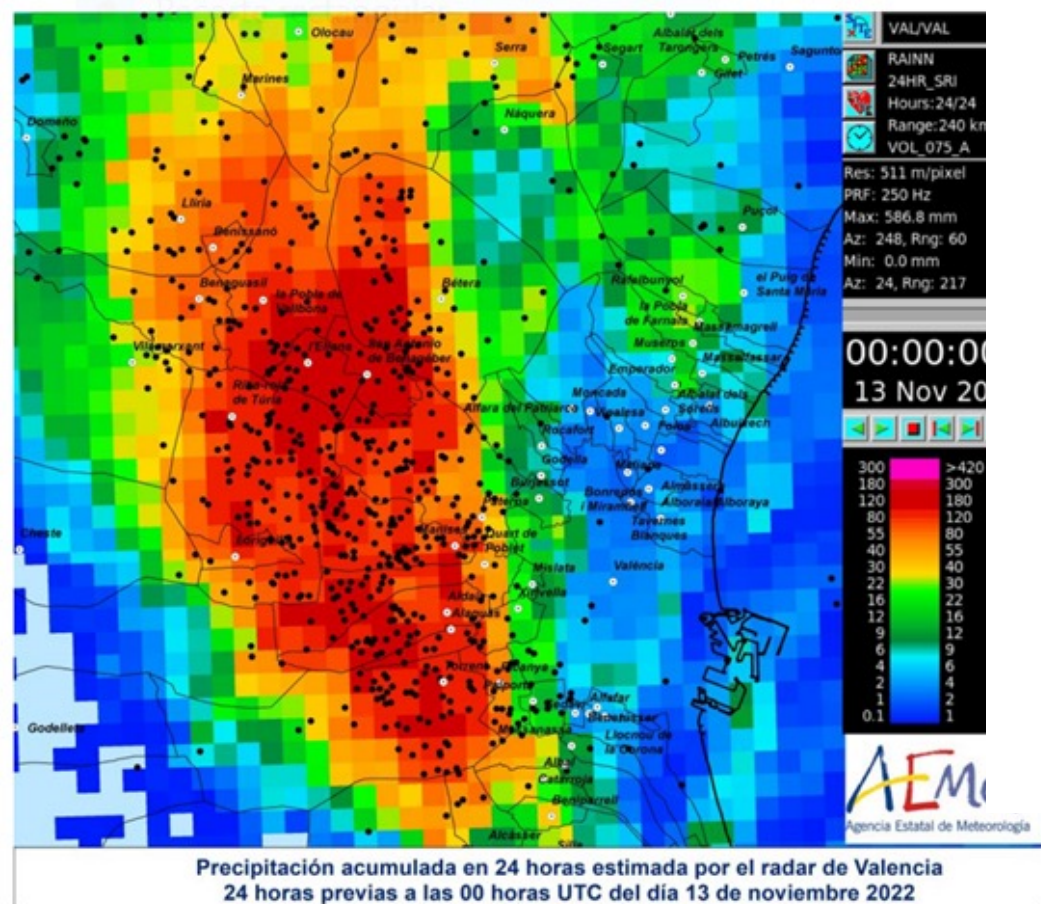
Precipitación acumulada en 24 horas estimada por el radar de Valencia
24 horas previas a las 00 horas UTC del día 13 de noviembre 2022



OFICIAL Summary of the episode:

- Heavy rainfall forecast 10th to 12th November.
- Precipitations up to 122 l/m2 in 12 hours and 66 in 1/h 122 l/m2 in 12 hours and 66 in 1/h around metropolitan Valencia area and Manises Airport.(Urban Area)
- Heavy storms with lightning and hail
- Also heavv rain (100 l/m) on Jucar basin.

AEMet



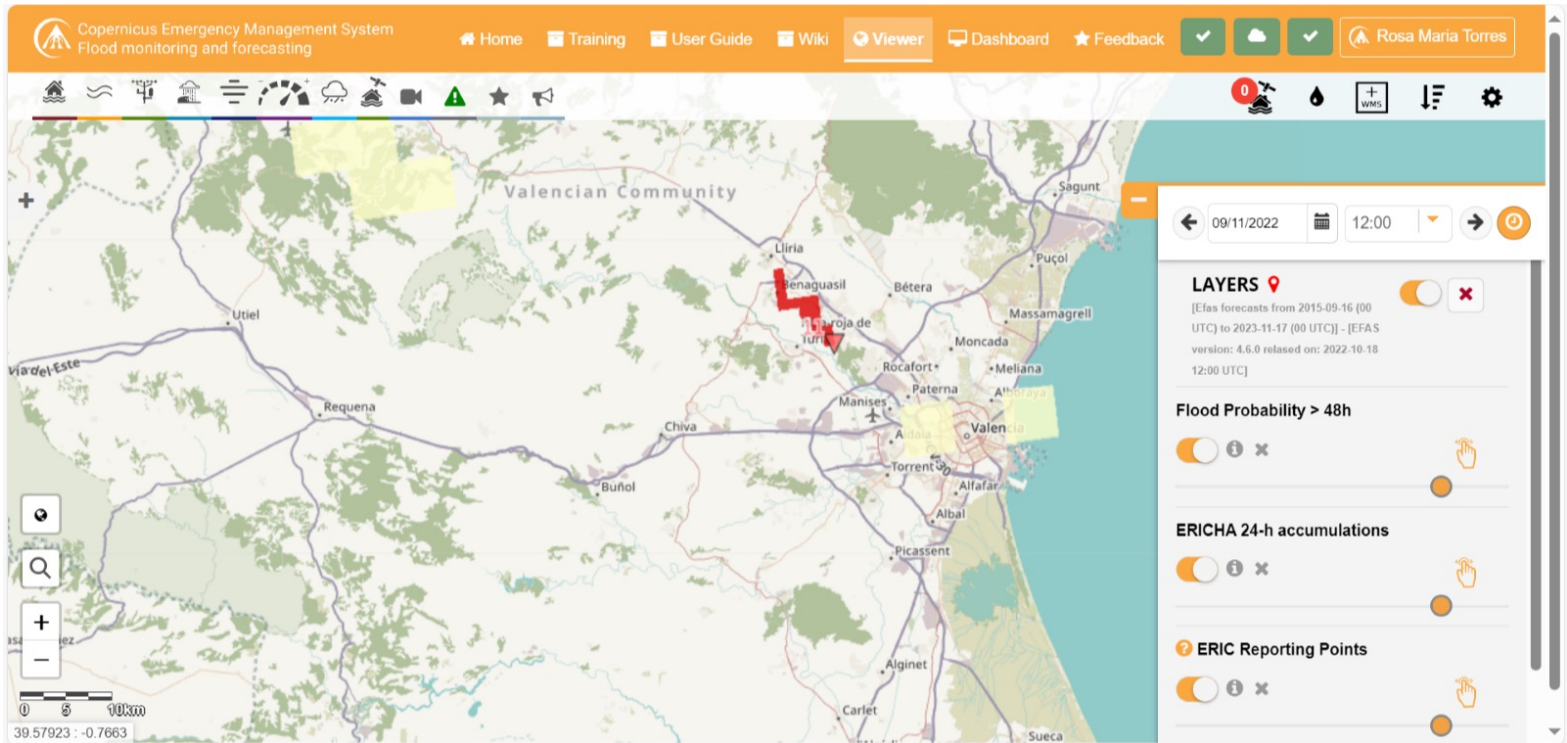
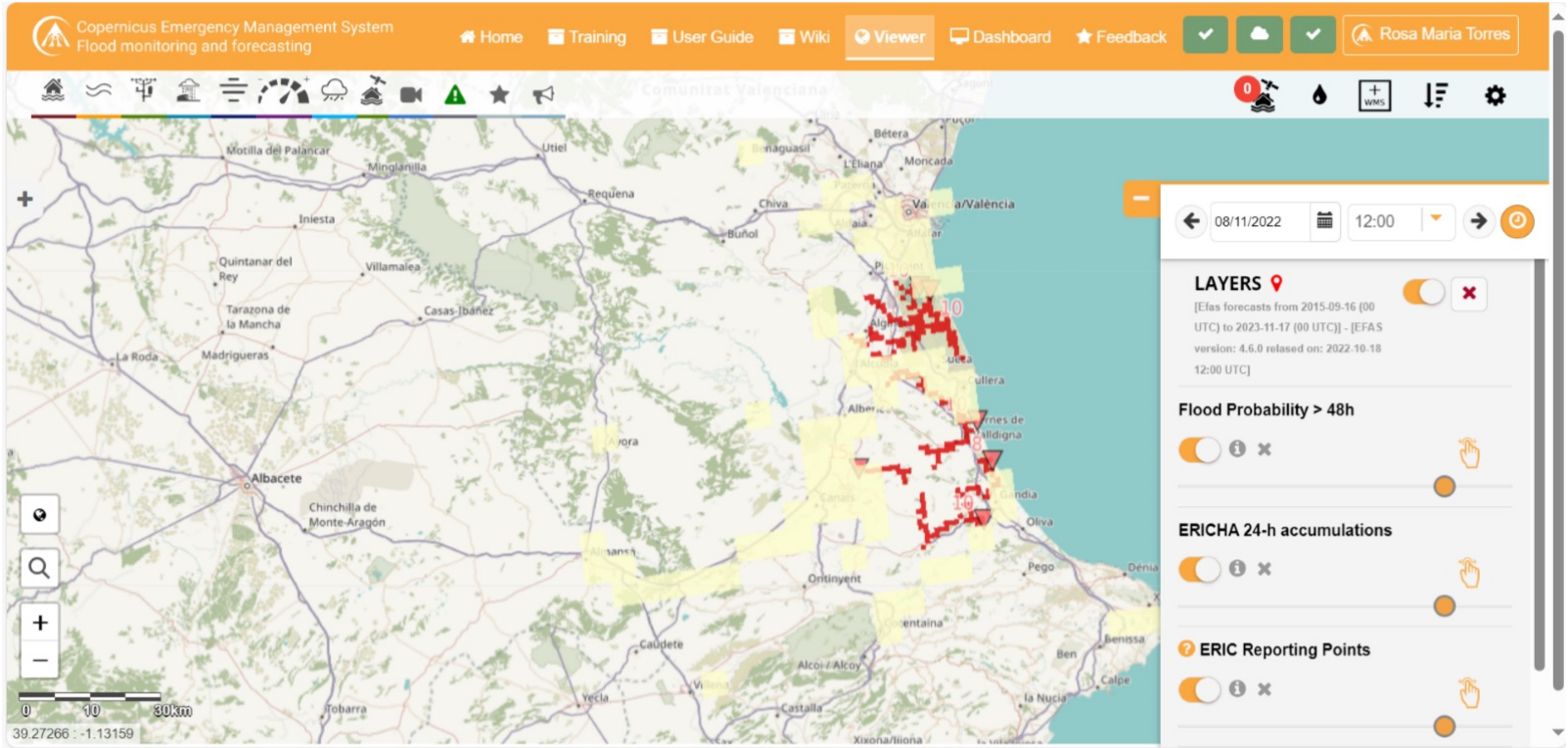
Los 5 días con más precipitación acumulada
Observatorio del aeropuerto de València (1966-2022)

Año	Mes	Día	Precipitación total diaria
2012	9	28	188.9
1971	10	6	186.9
1989	9	4	175.9
2000	10	23	153.3
2022	11	11	148.7

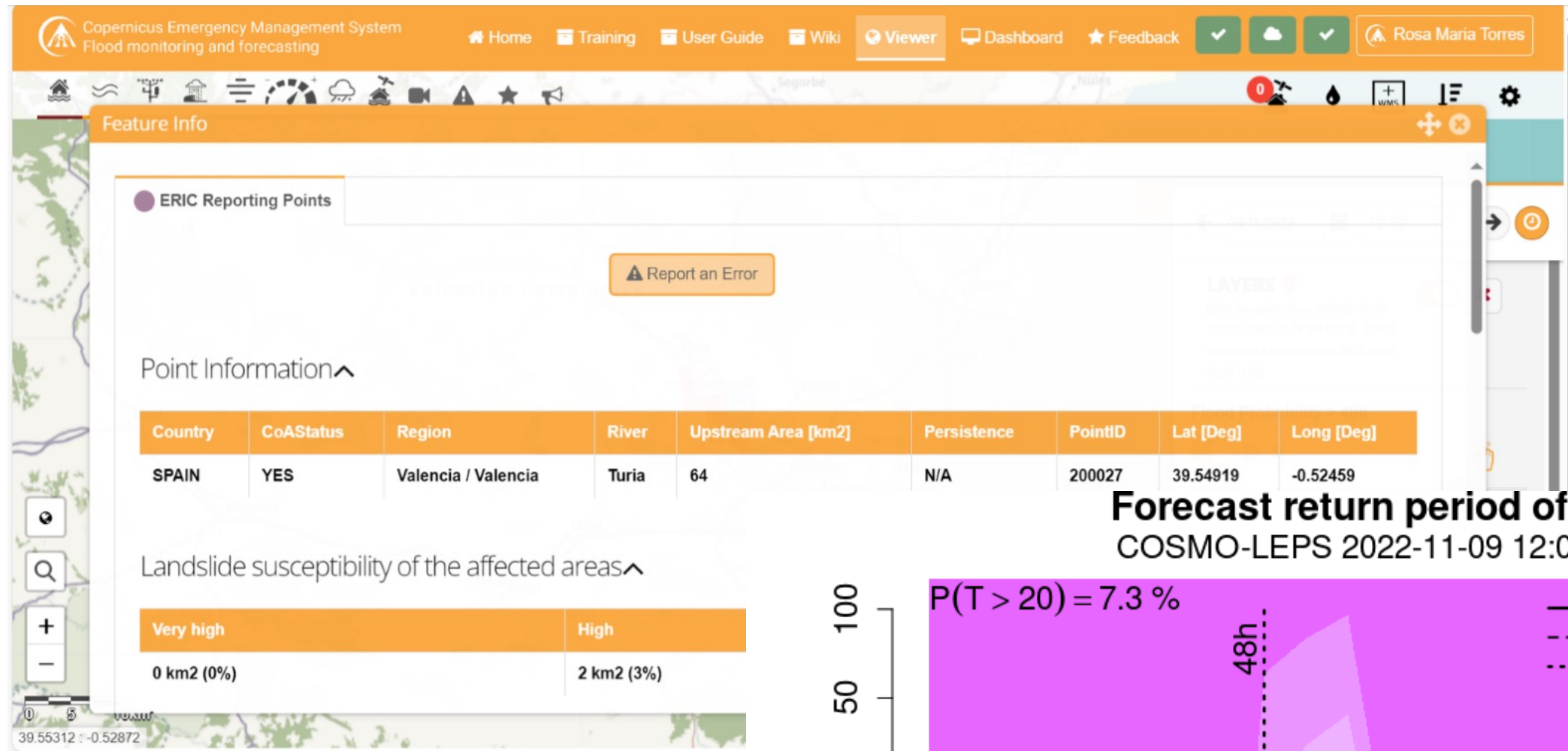
*La precipitación se refiere a la acumulada entre las 07 de la mañana del día indicado y las 7 de la mañana del día siguiente (hora UTC).

EFAS INFORMATION: Flood probability 24 h.- Ericha accumulation- Eric point

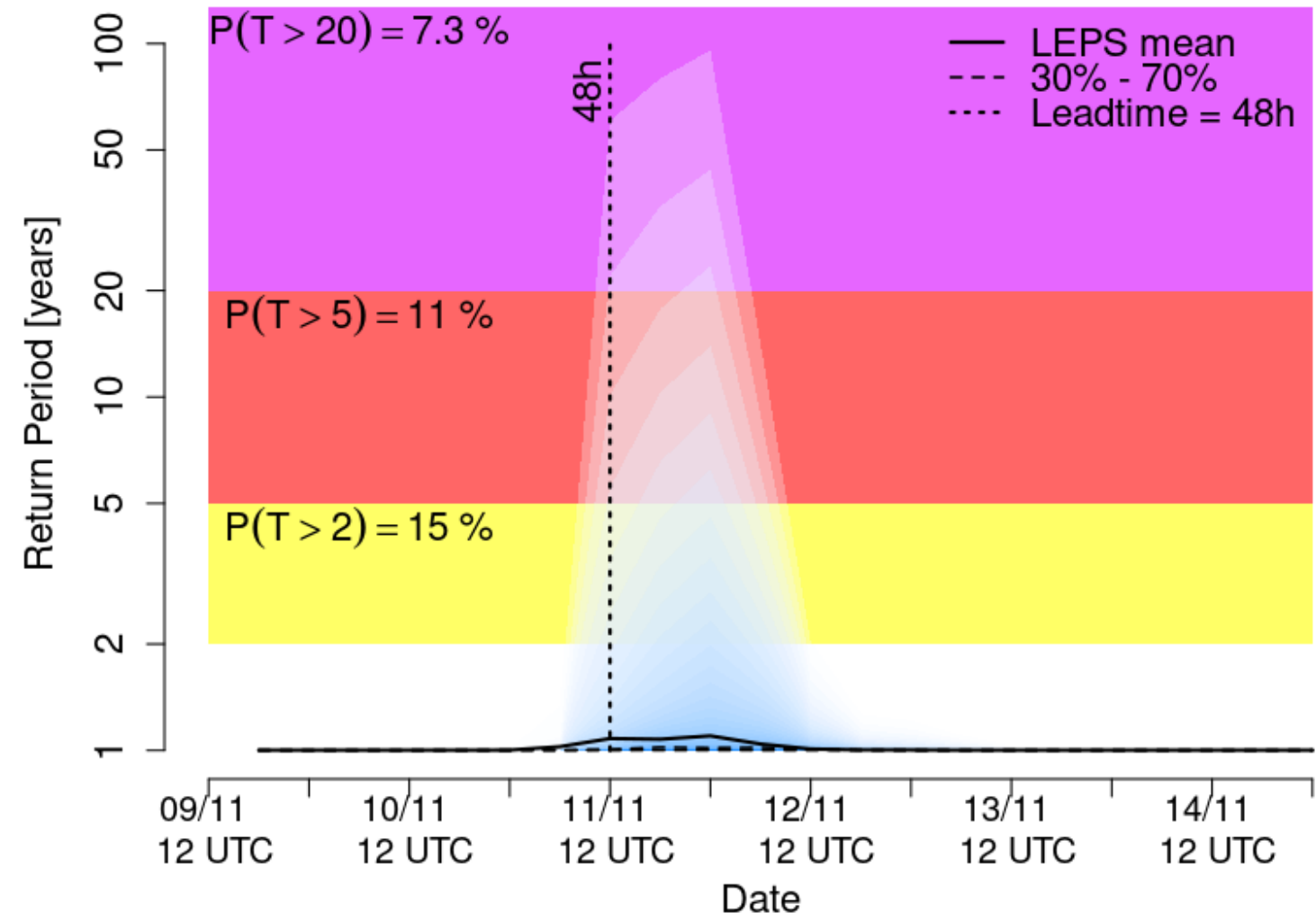
08/11/2022



EFAS INFORMATION:



Forecast return period of ERIC
COSMO-LEPS 2022-11-09 12:00 UTC



What can we find in Edera during and after the event?

A) 3 groups of dynamic layers:

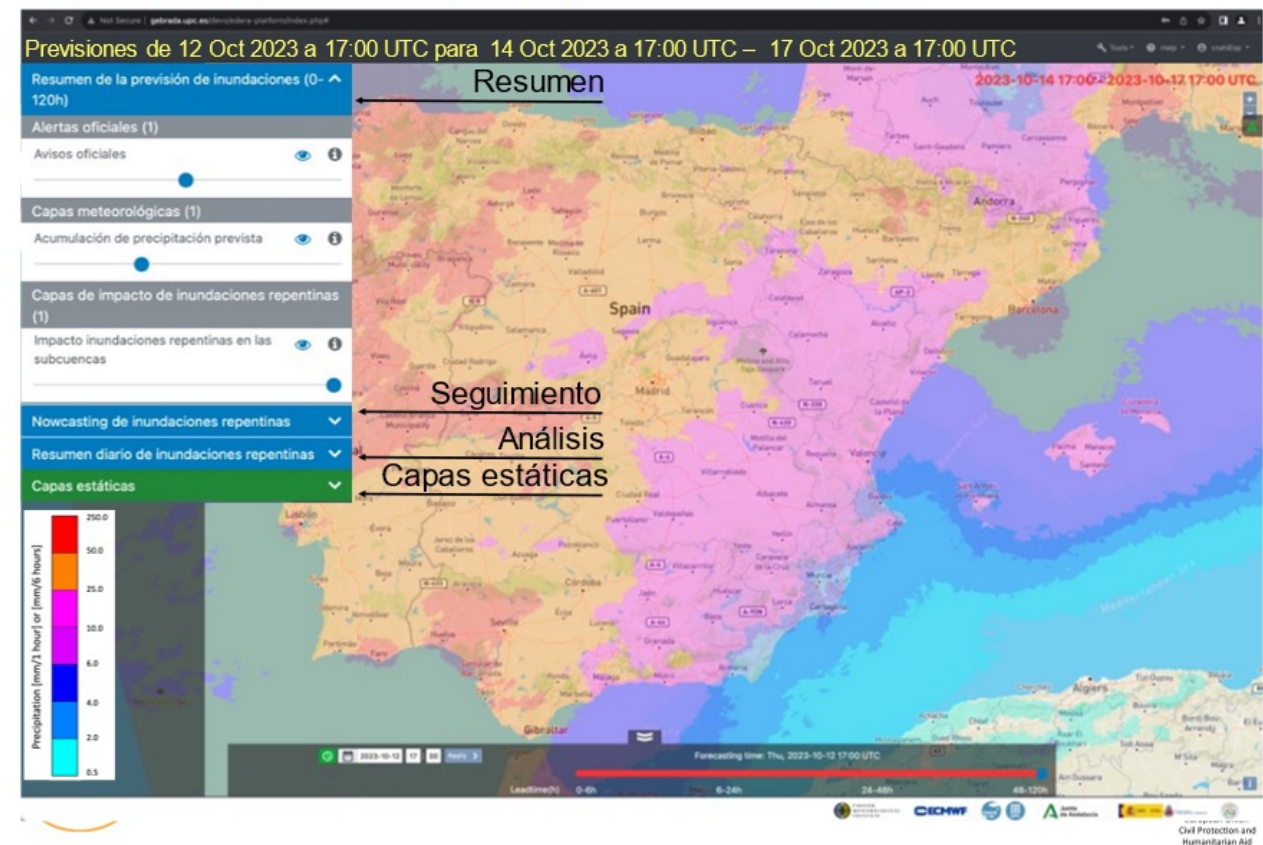
- Forecast summary: 0 - 120 h
- Storms and Animated flash flood nowcasting
- Daily summary.

B) Statics layers: exposure, return period..

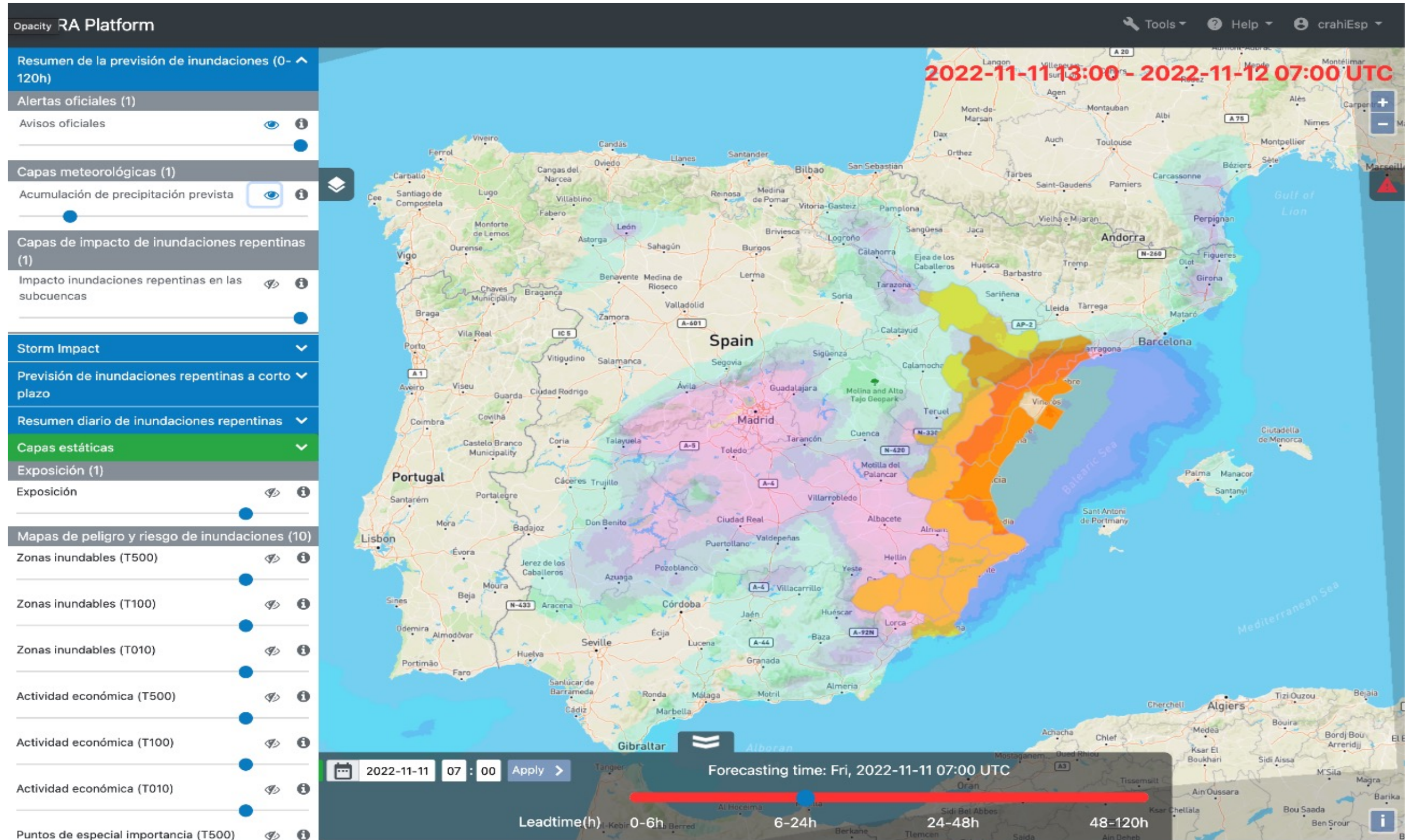
Plataforma web en tiempo real EDERA



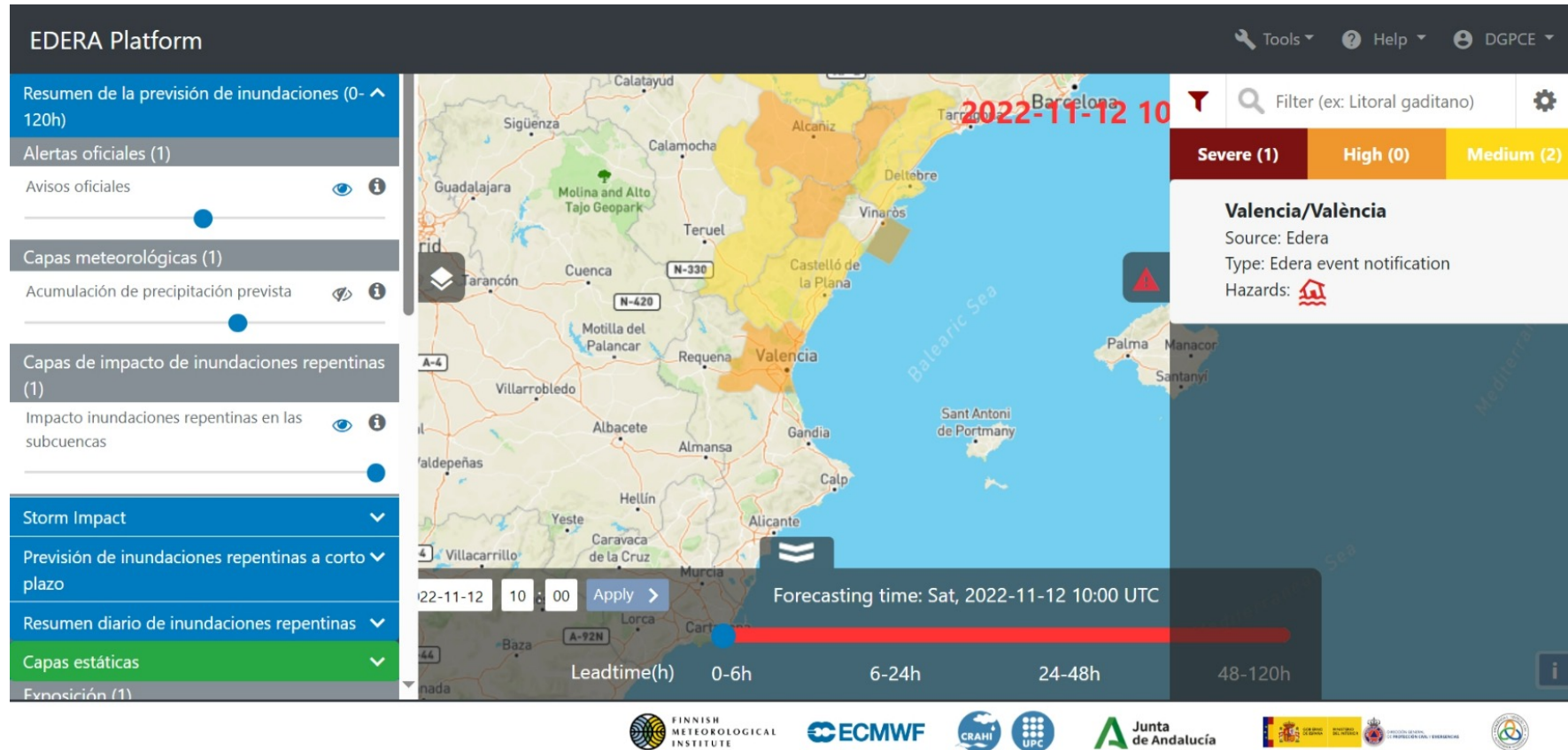
Plataforma web en tiempo real EDERA



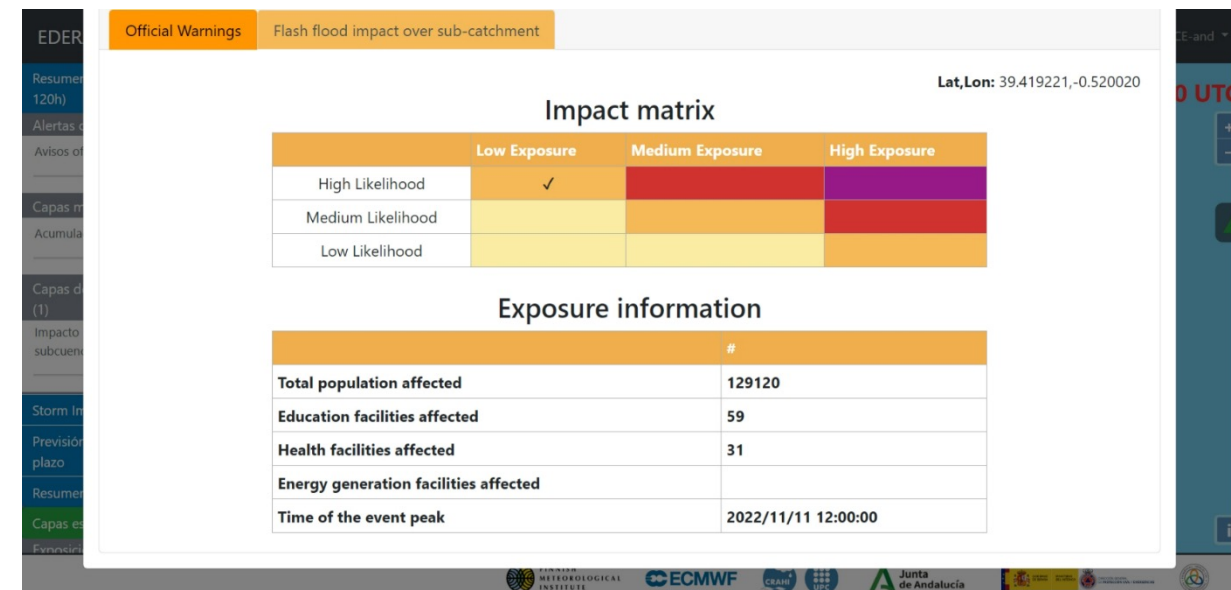
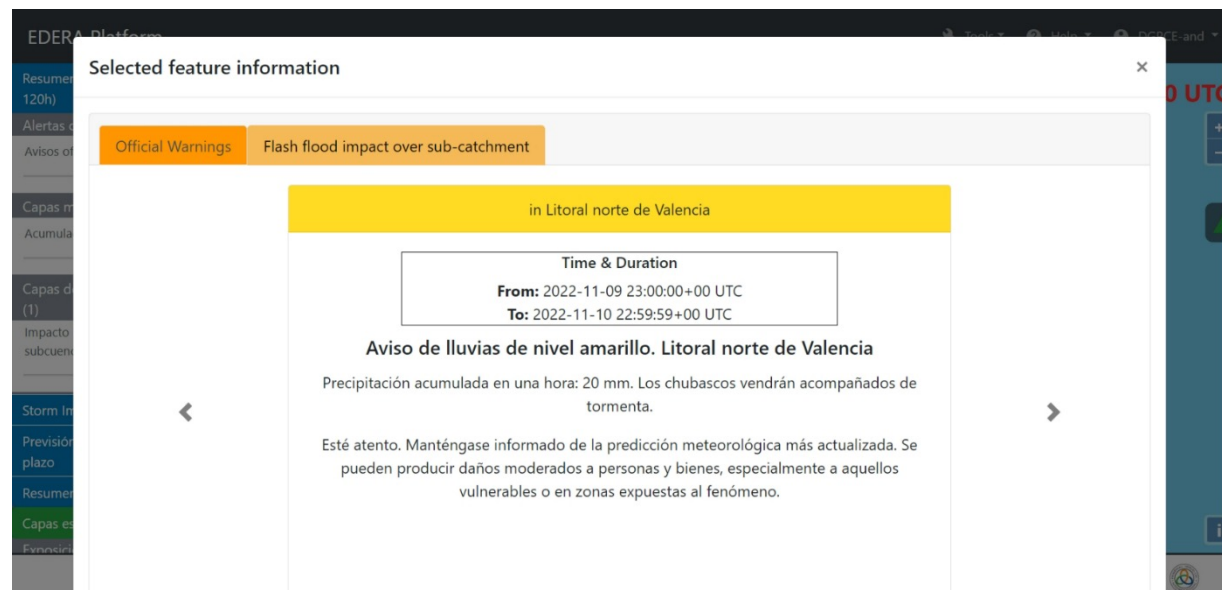
MANISES (VALENCIA): 10th -11th November 2022

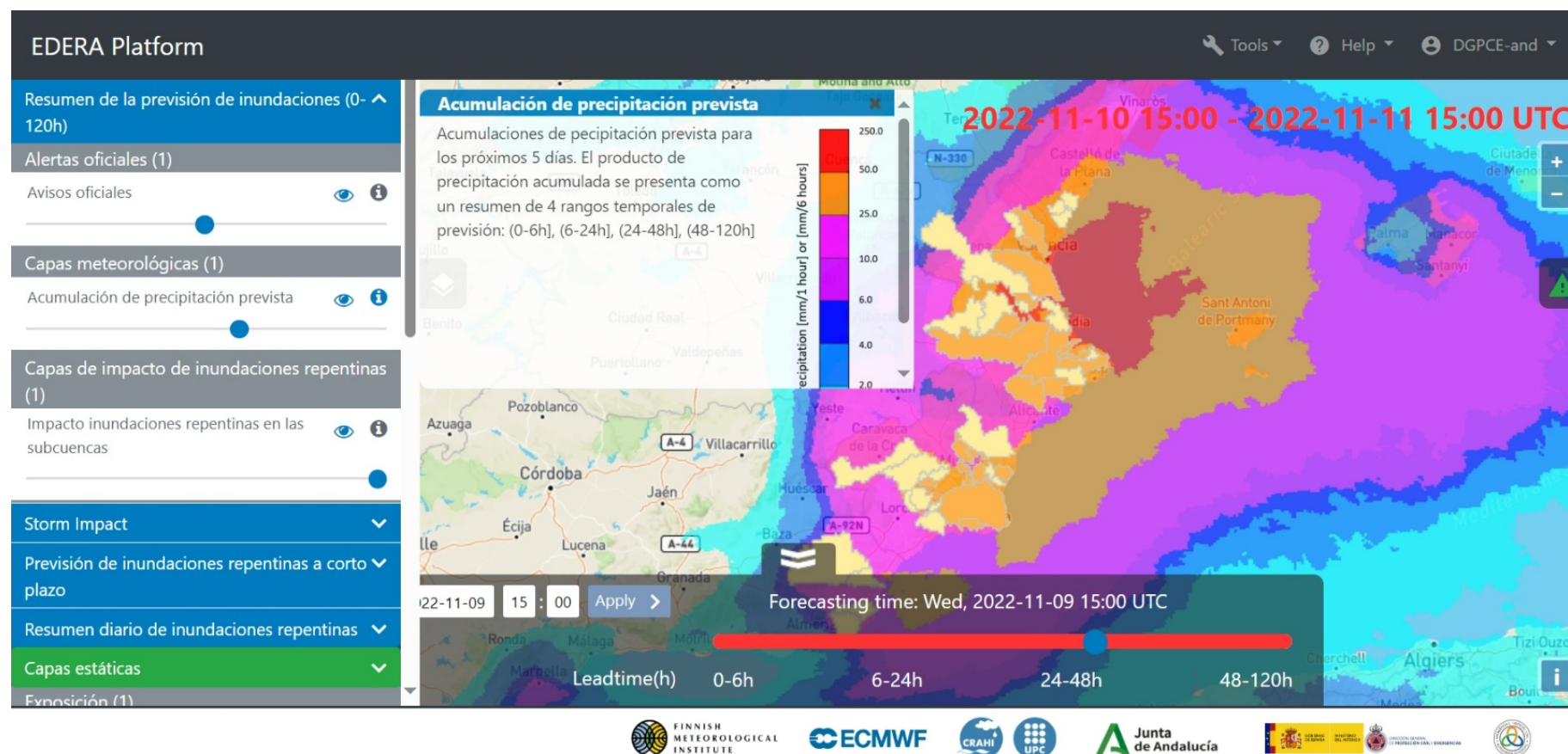


A) FORECAST 0-120 h.



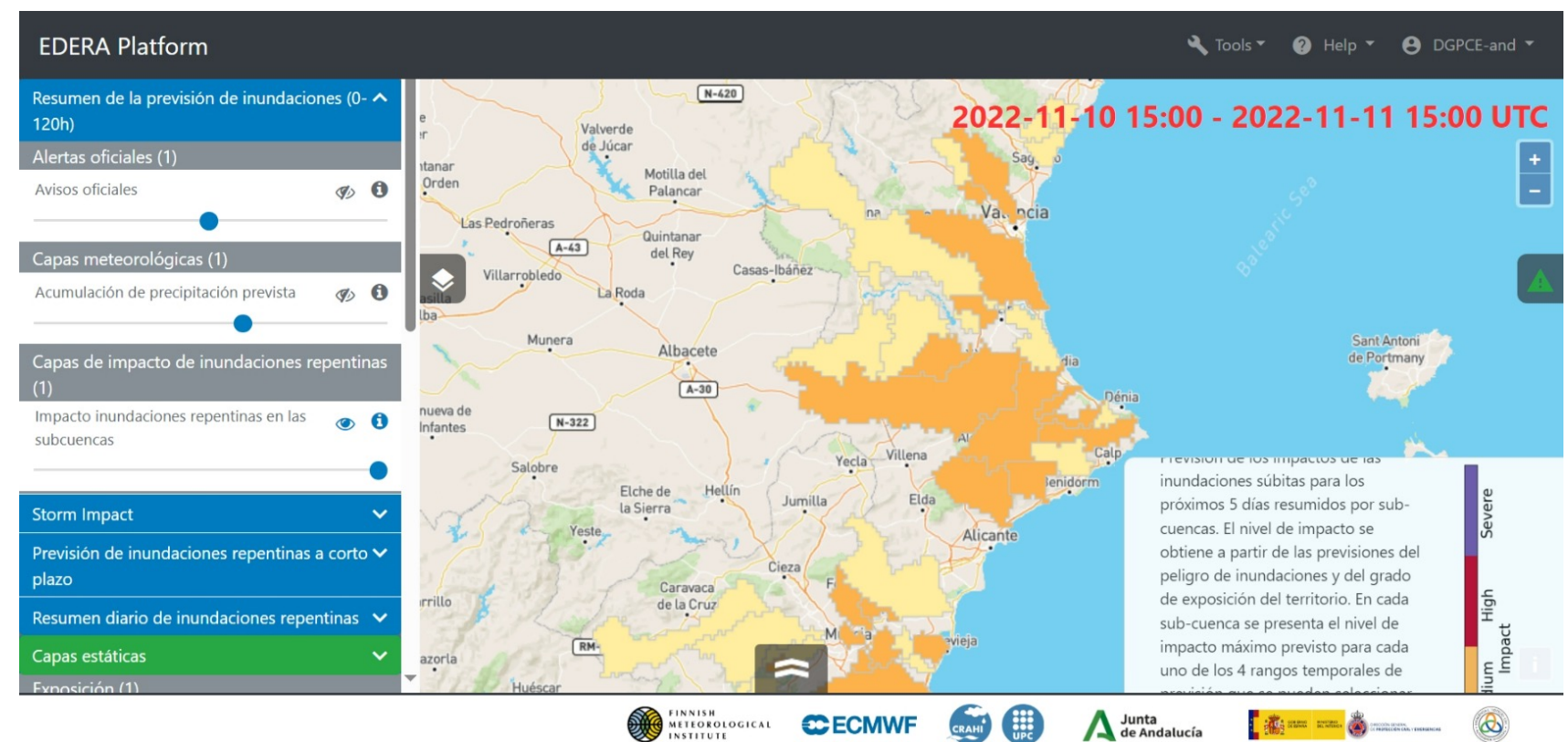
- **Official warning (AEMET)**
- **Flood Impact over sub catchment (EFAS)**
- **EDERA notificación**



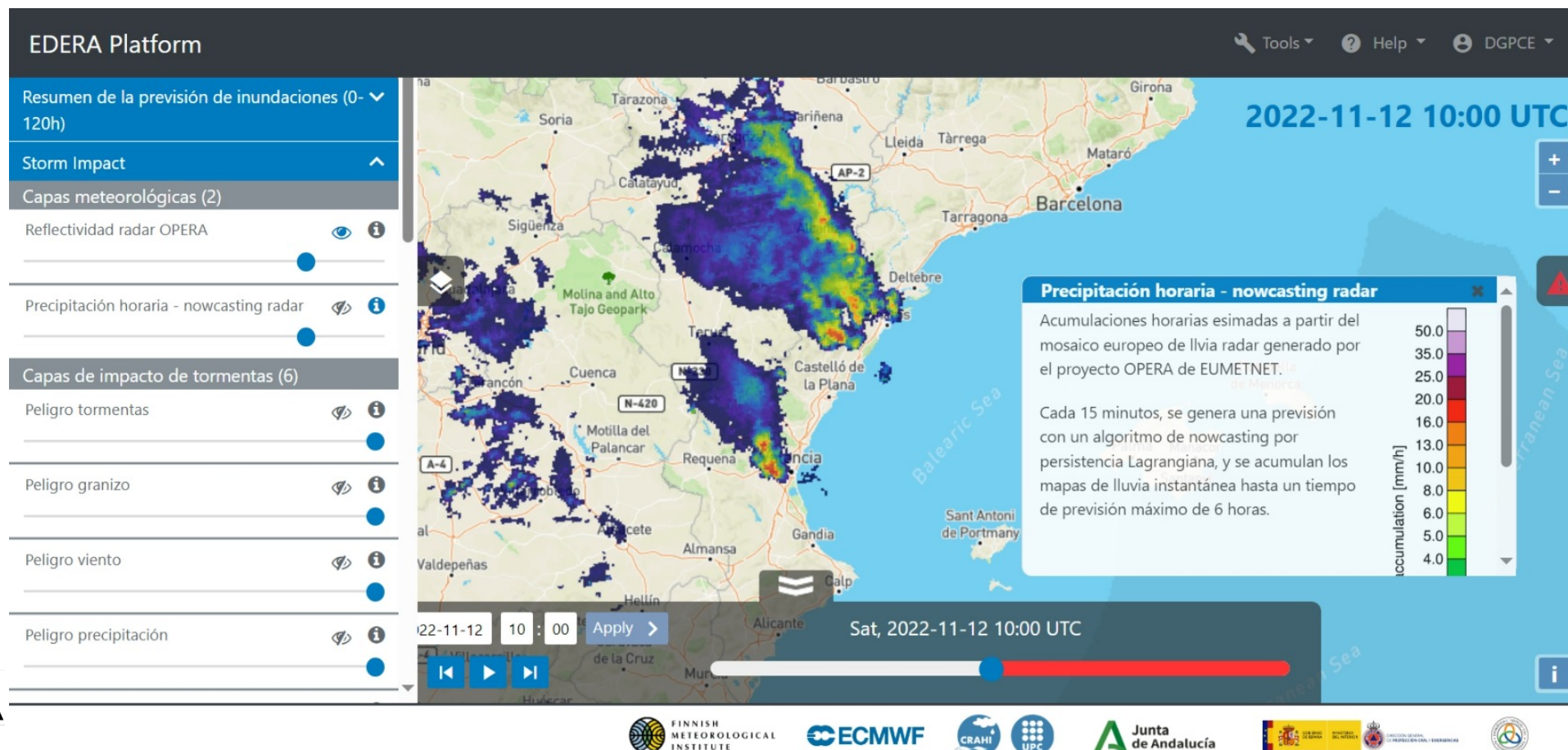
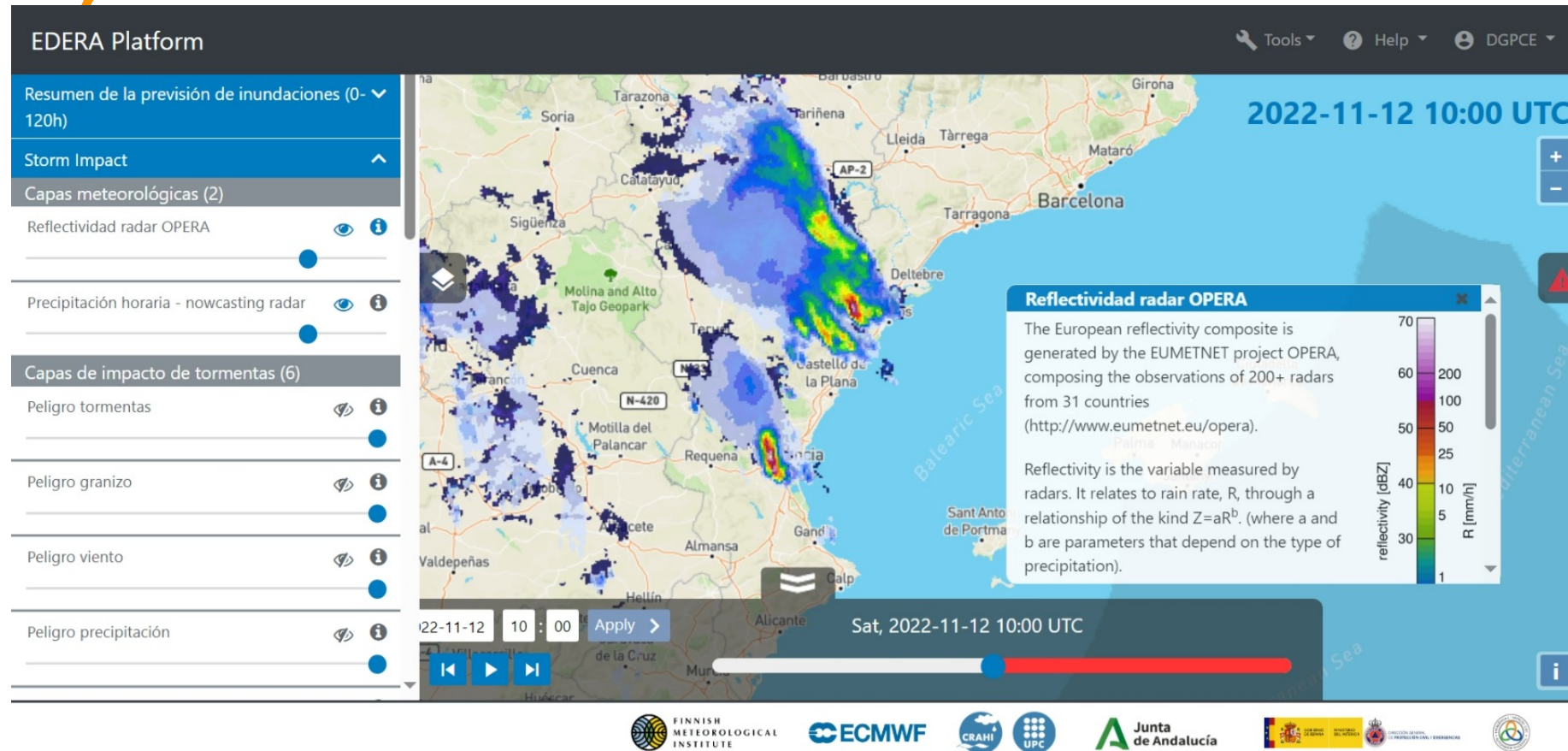


Seamless
precipitation
accumulation

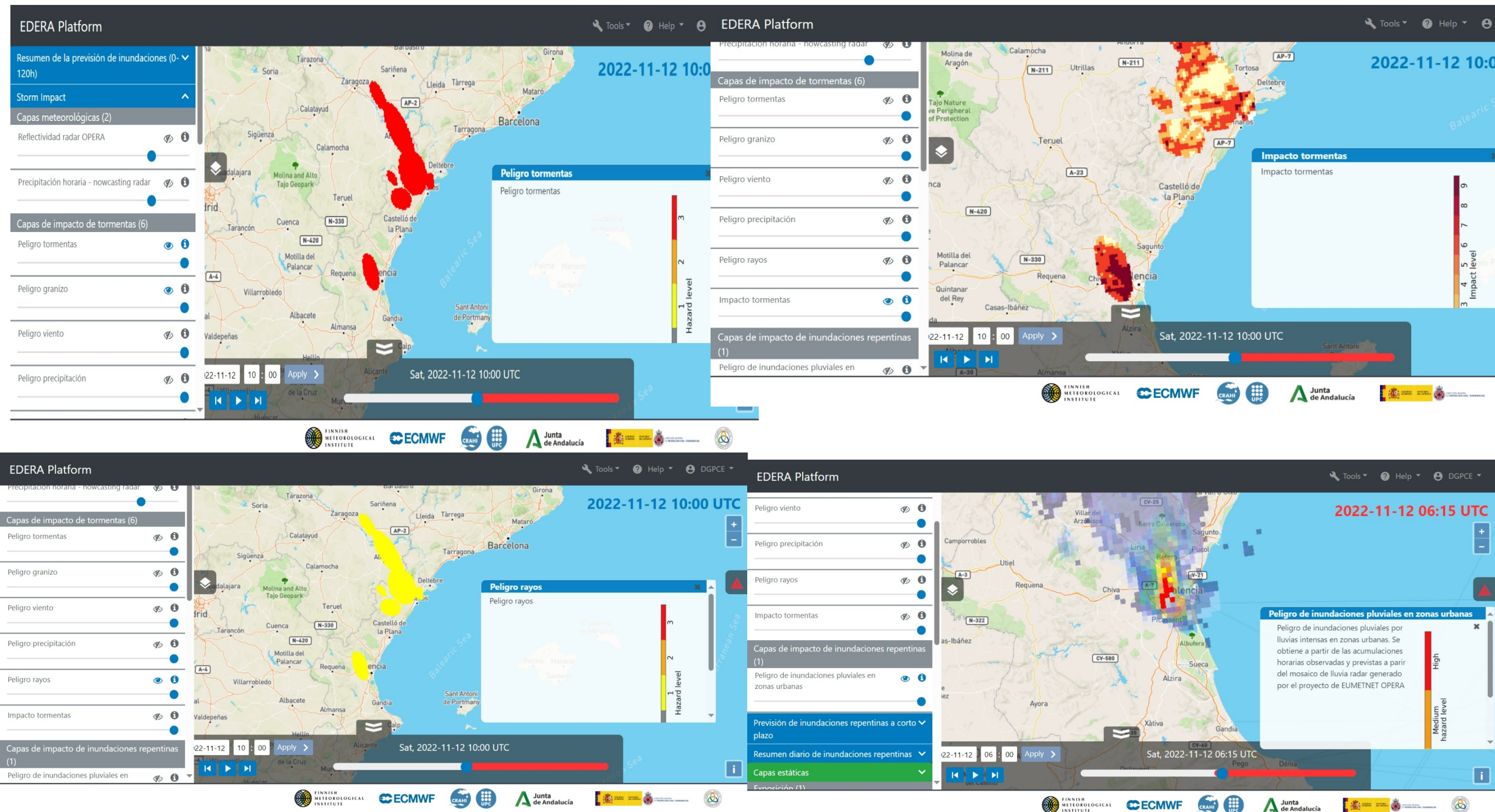
Flash flood impact
over subcatchment



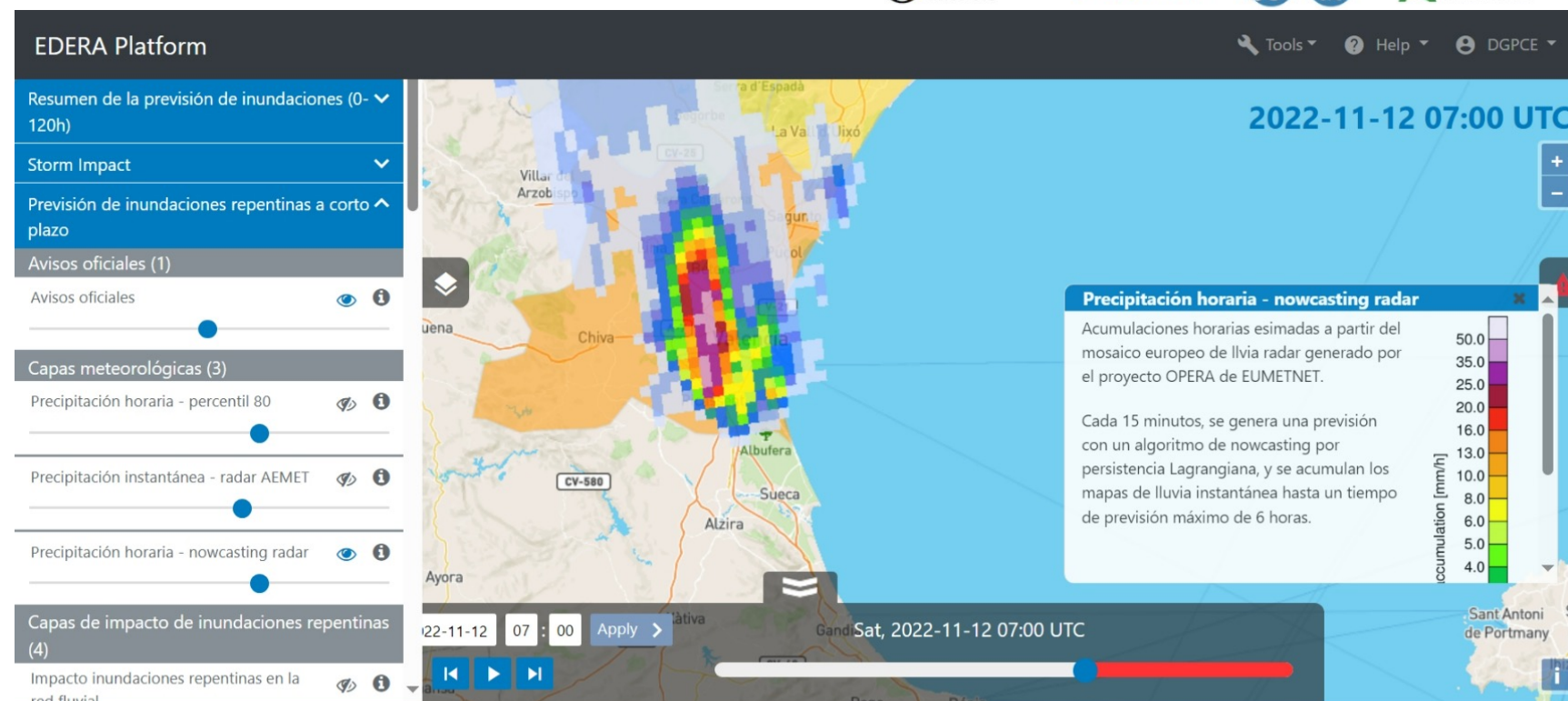
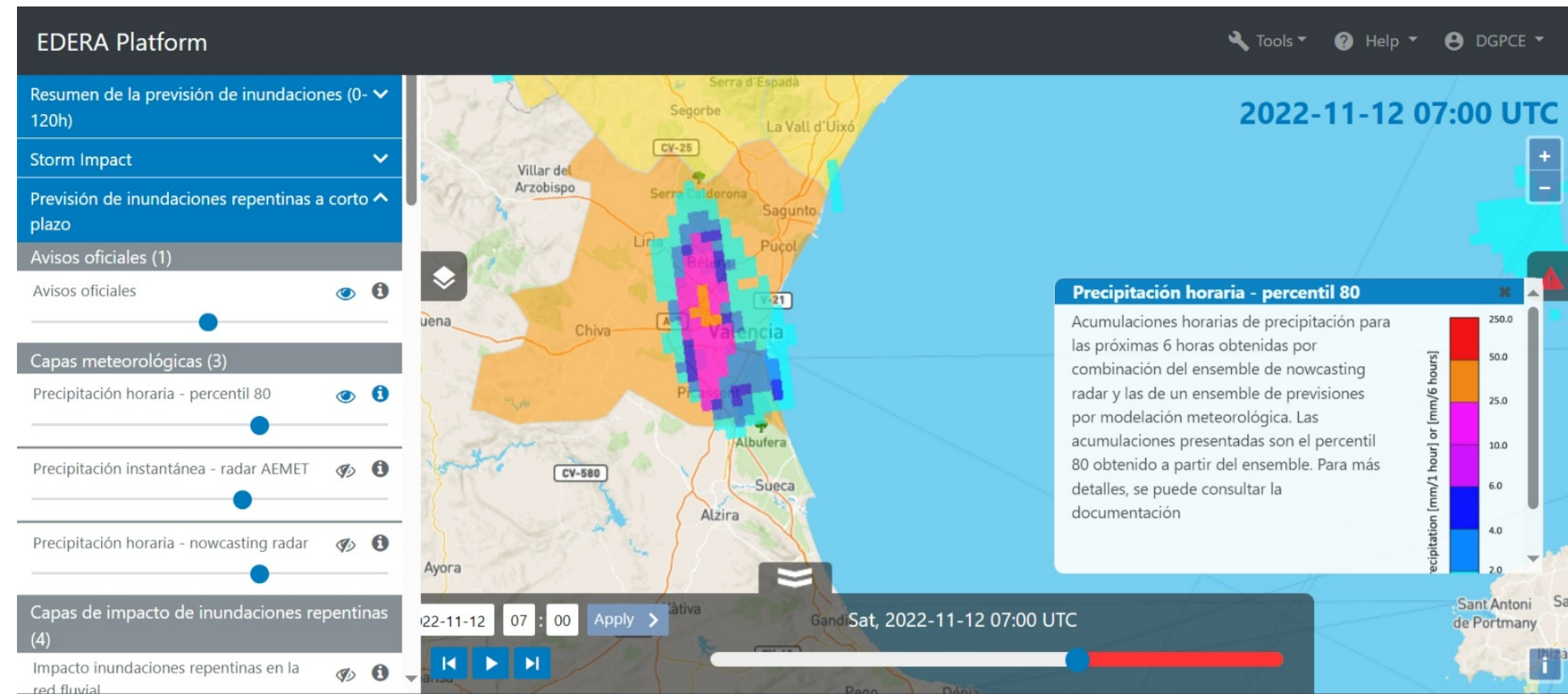
B) STORMS



STORM, Lighting and hail hazards

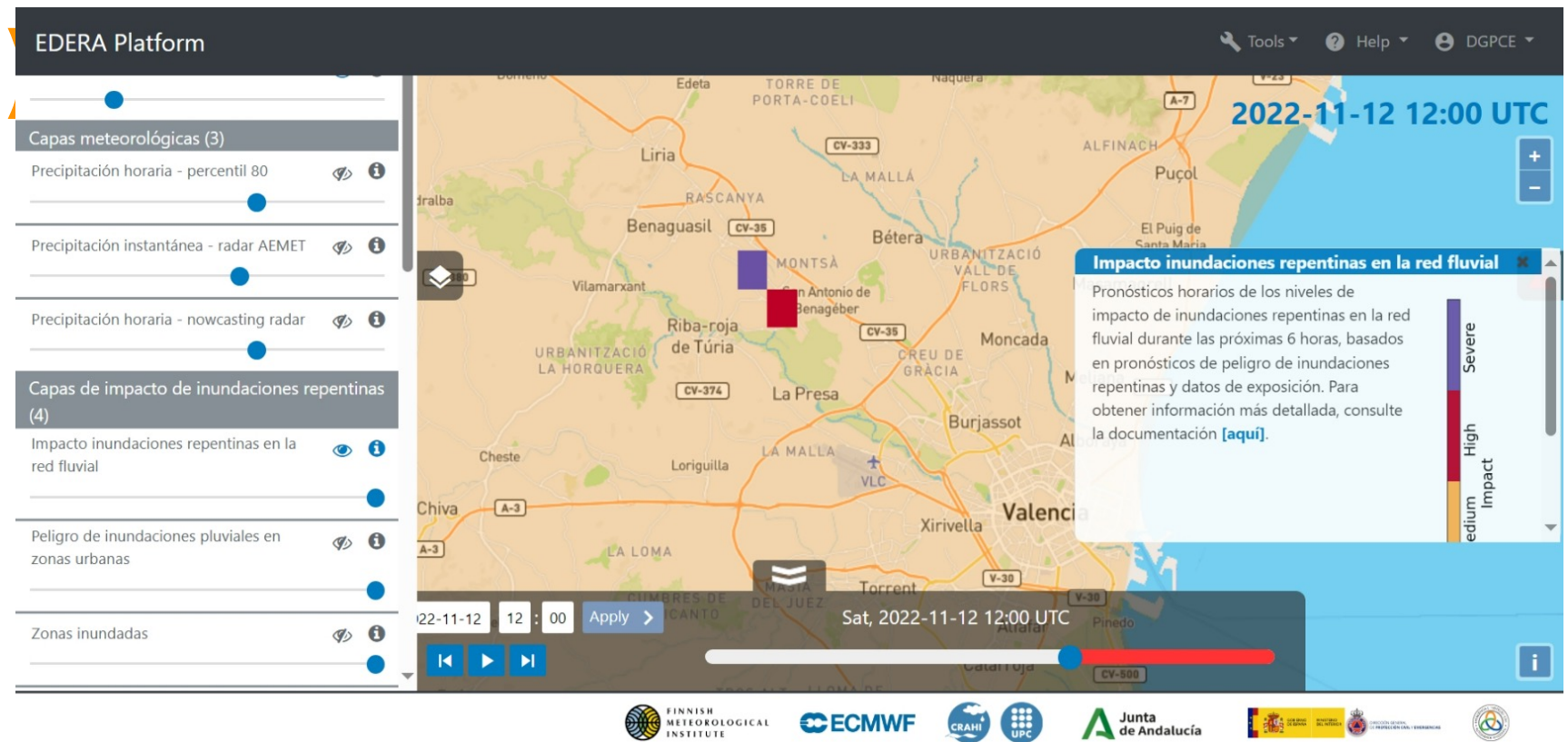


C) ANIMATED NOWCASTING. 1.- Hourly precipitation

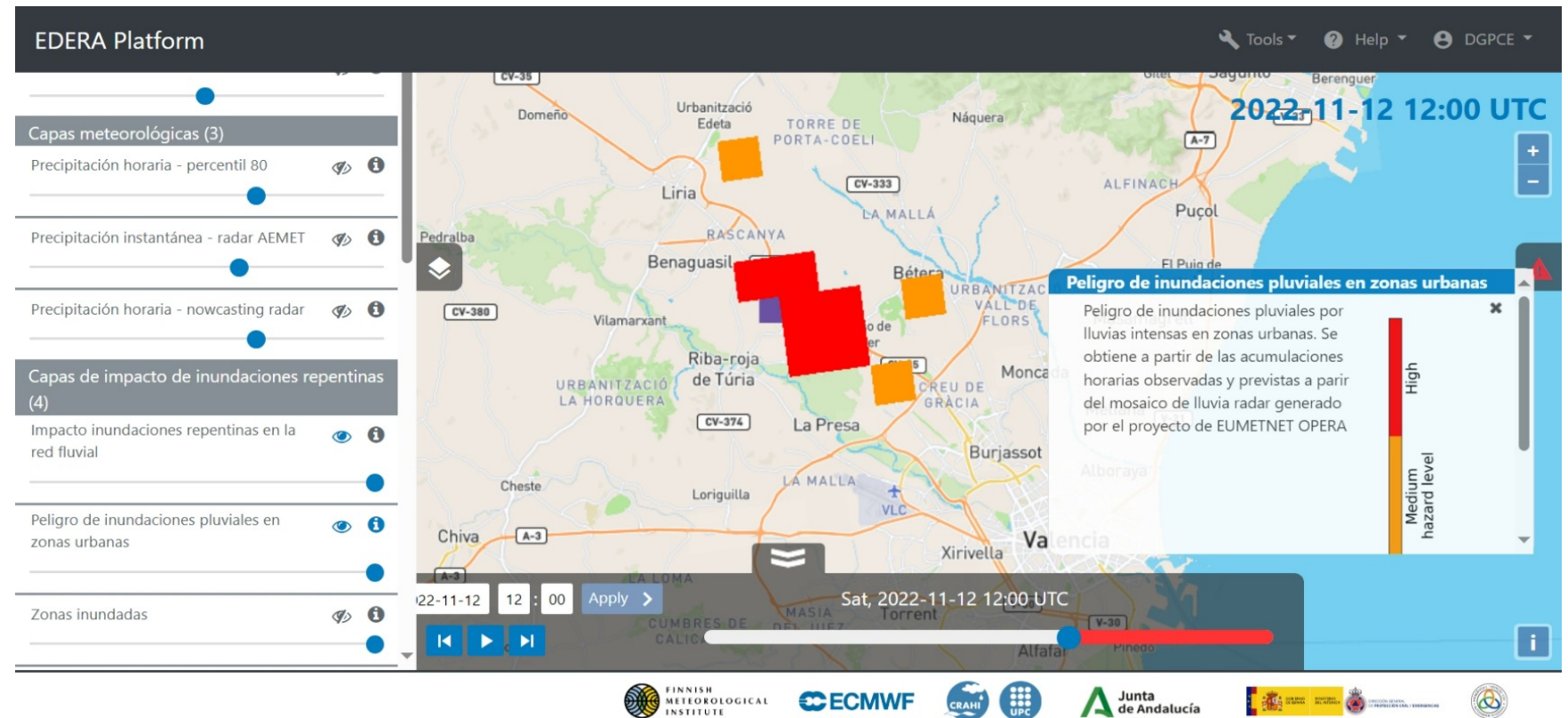


C) 2.-IMPACT (I

Flash flood
impact over
the river

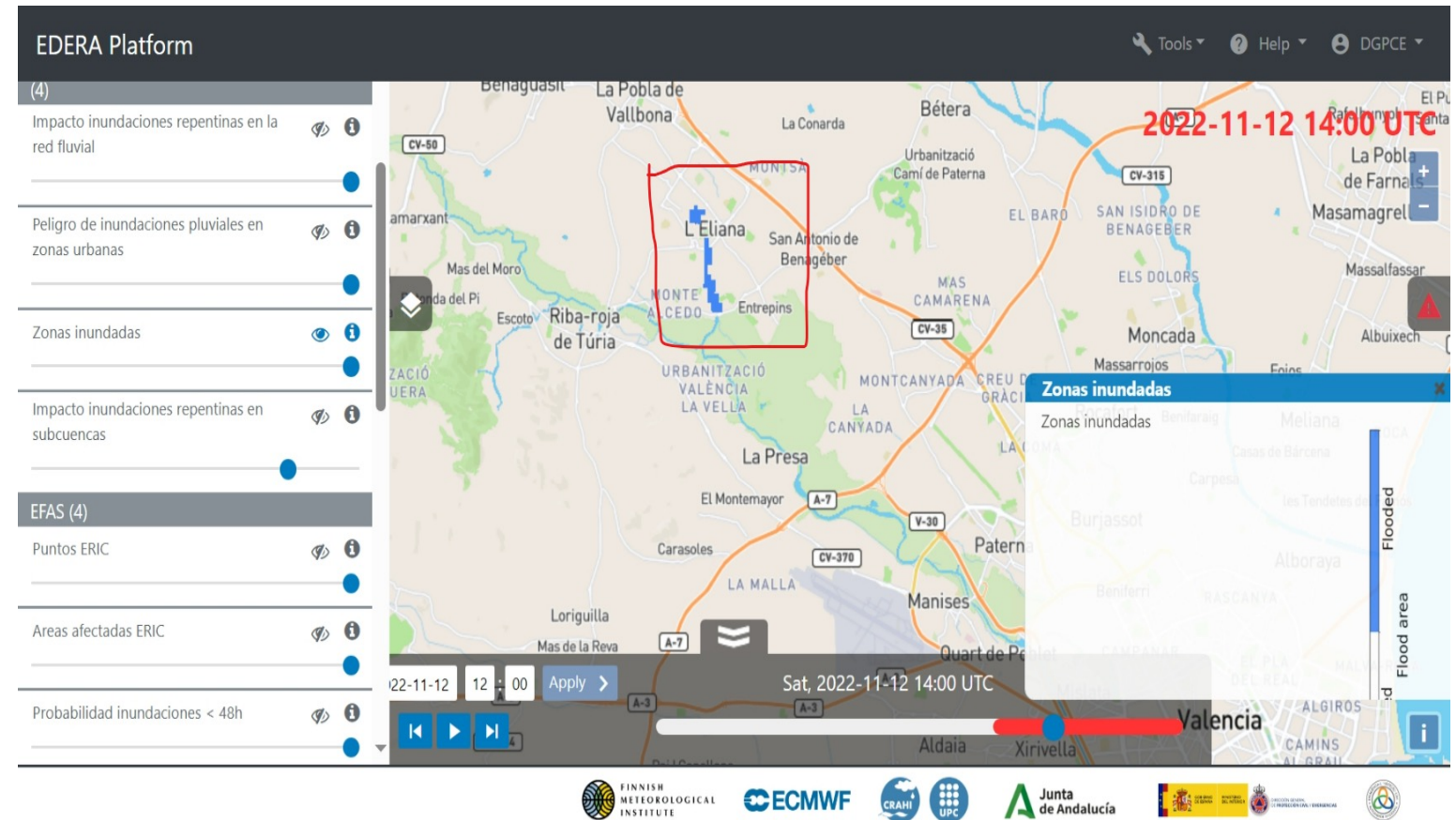


Pluvial flood
Hazard in urban
area

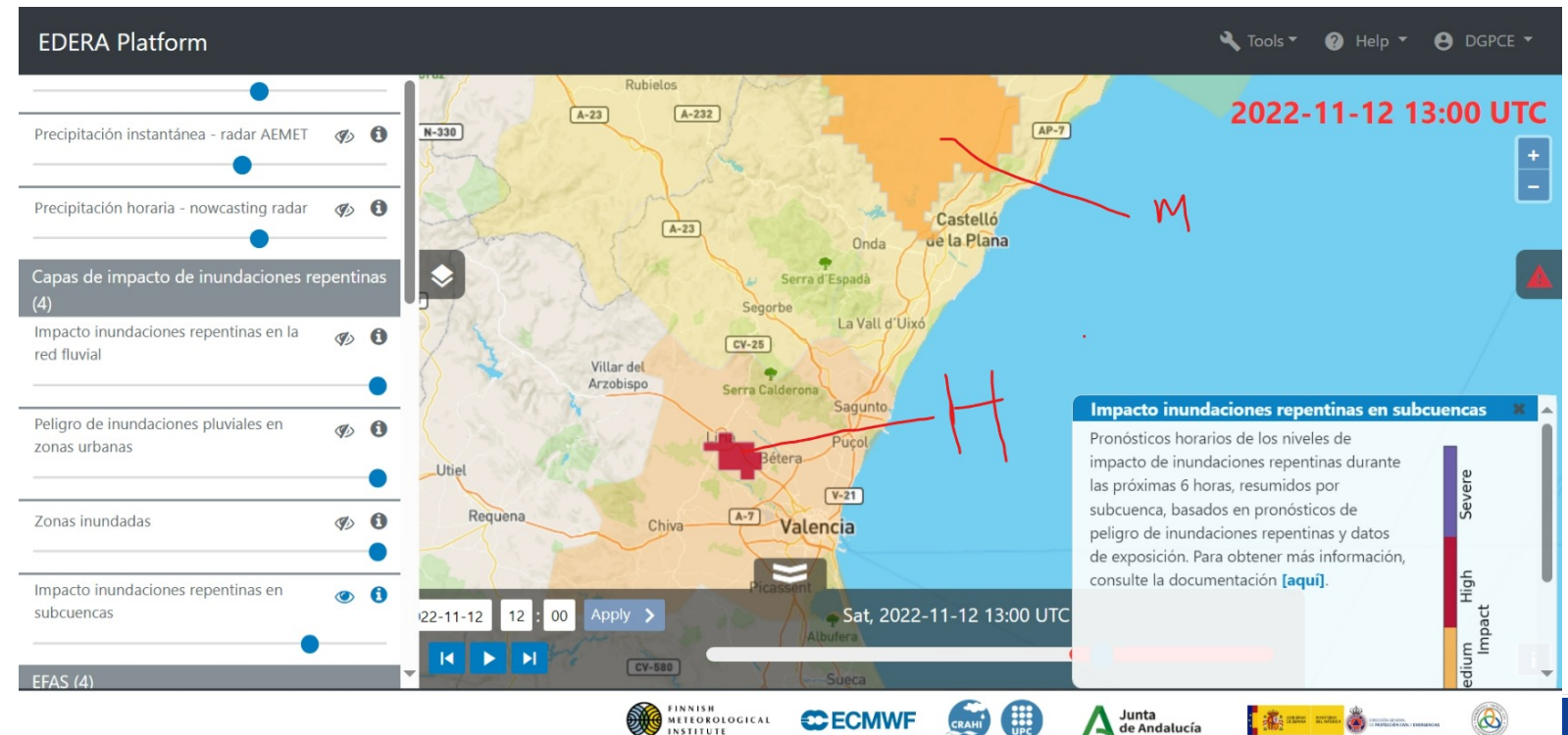


C) 2.- IMPACT (II)

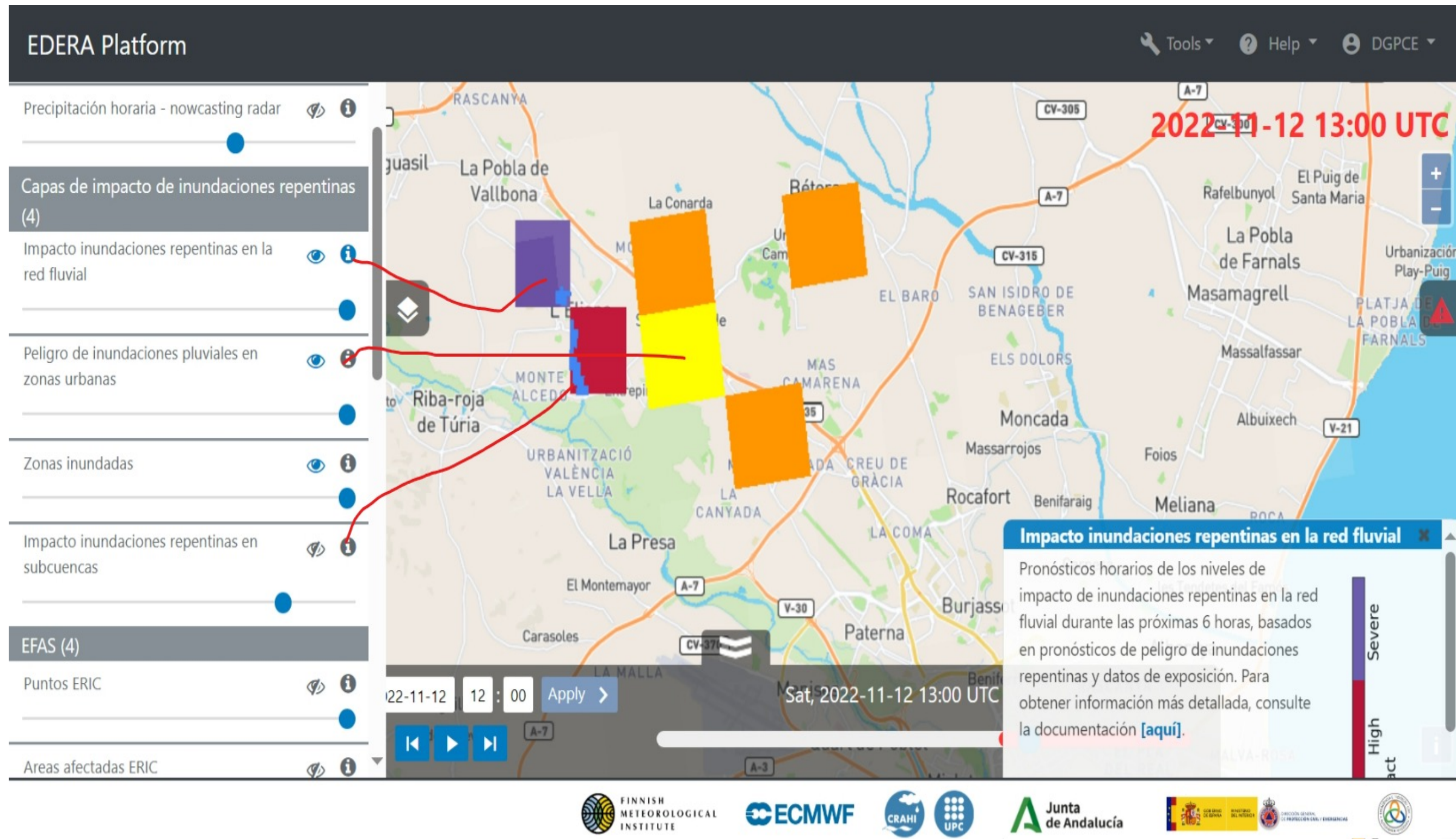
Flooded Area



- Flood Impact over sub-catchment

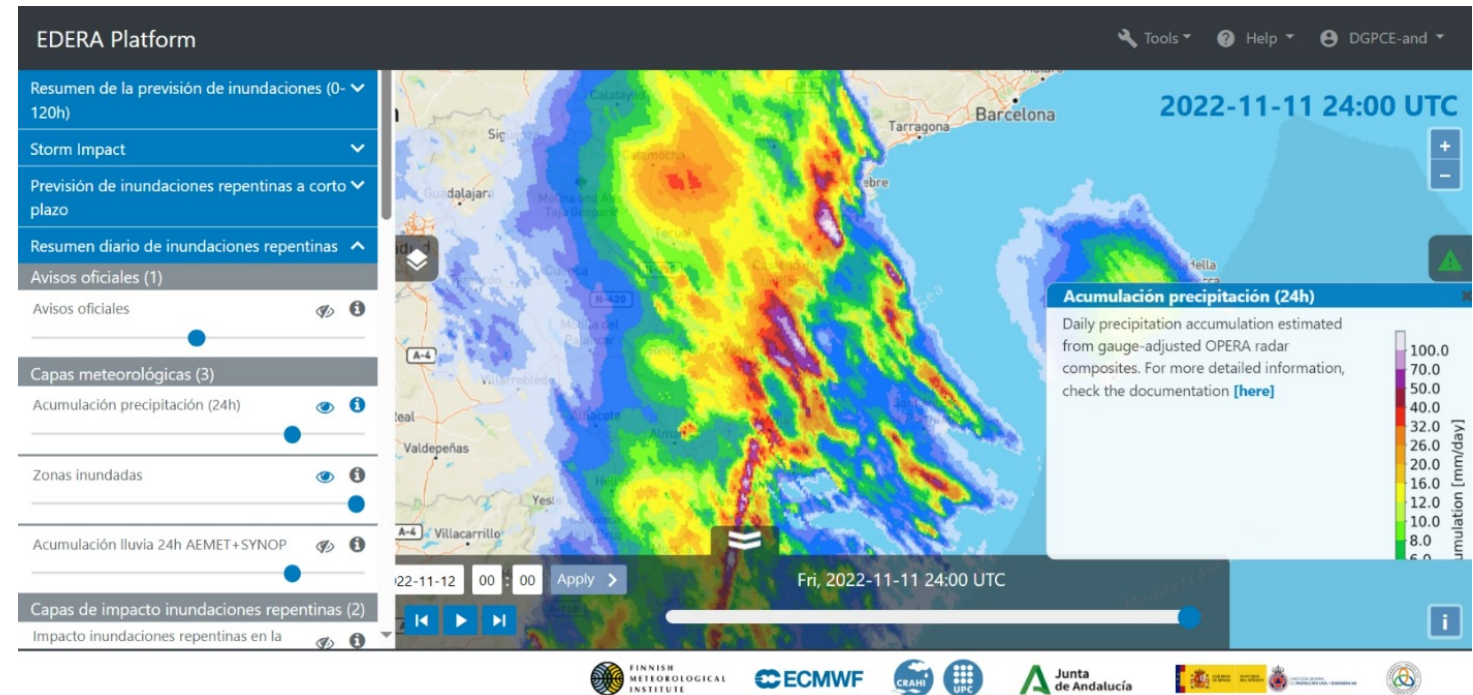


C) ANIMATED NOWCASTING: 2. Impact SUMMARY



D) DAILY summary- 11 November 2024

Rain accumulation OPERA radar

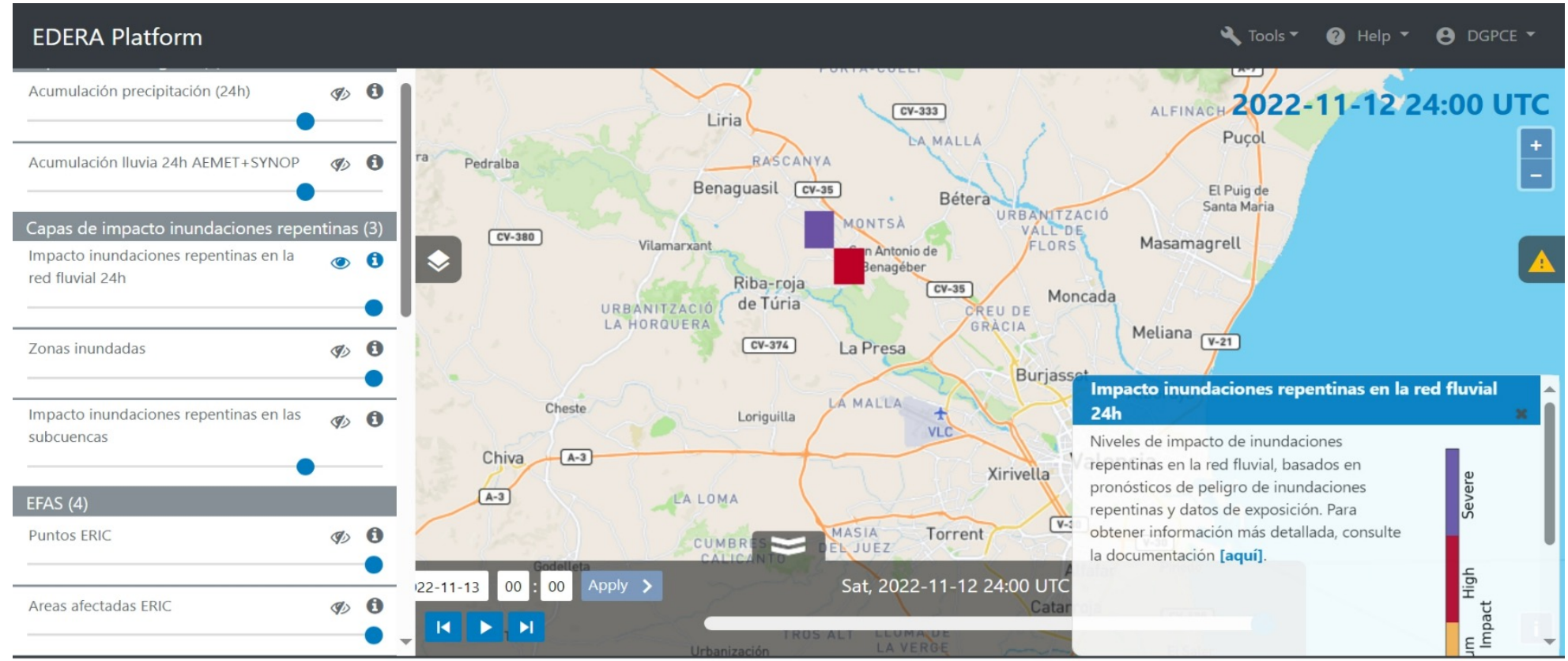


Rain accumulation AEMET radar



D) DAILY summary- 11 November 2024

Flash
flood
impact
over the
river



- Flood Impact over sub-catchment

