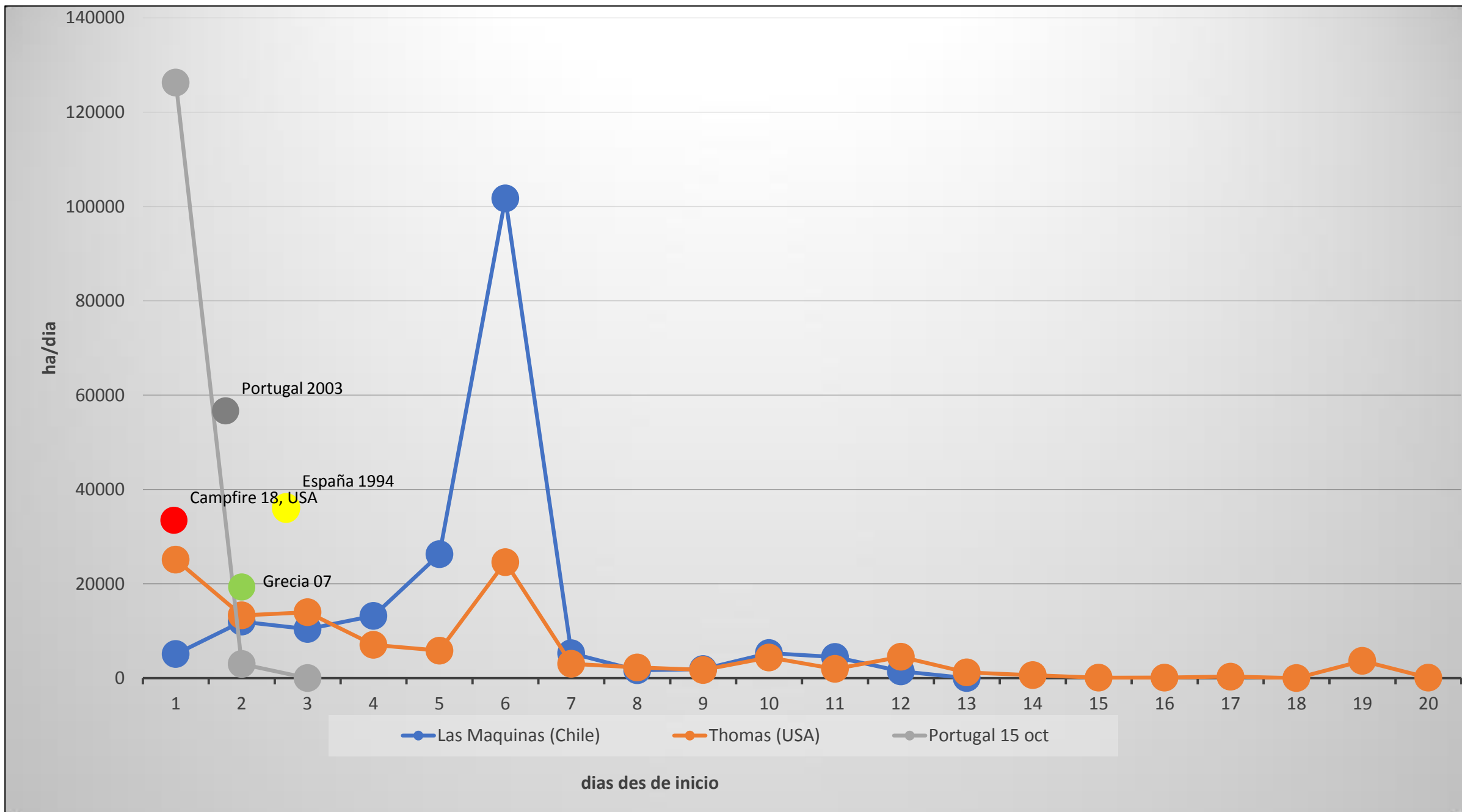


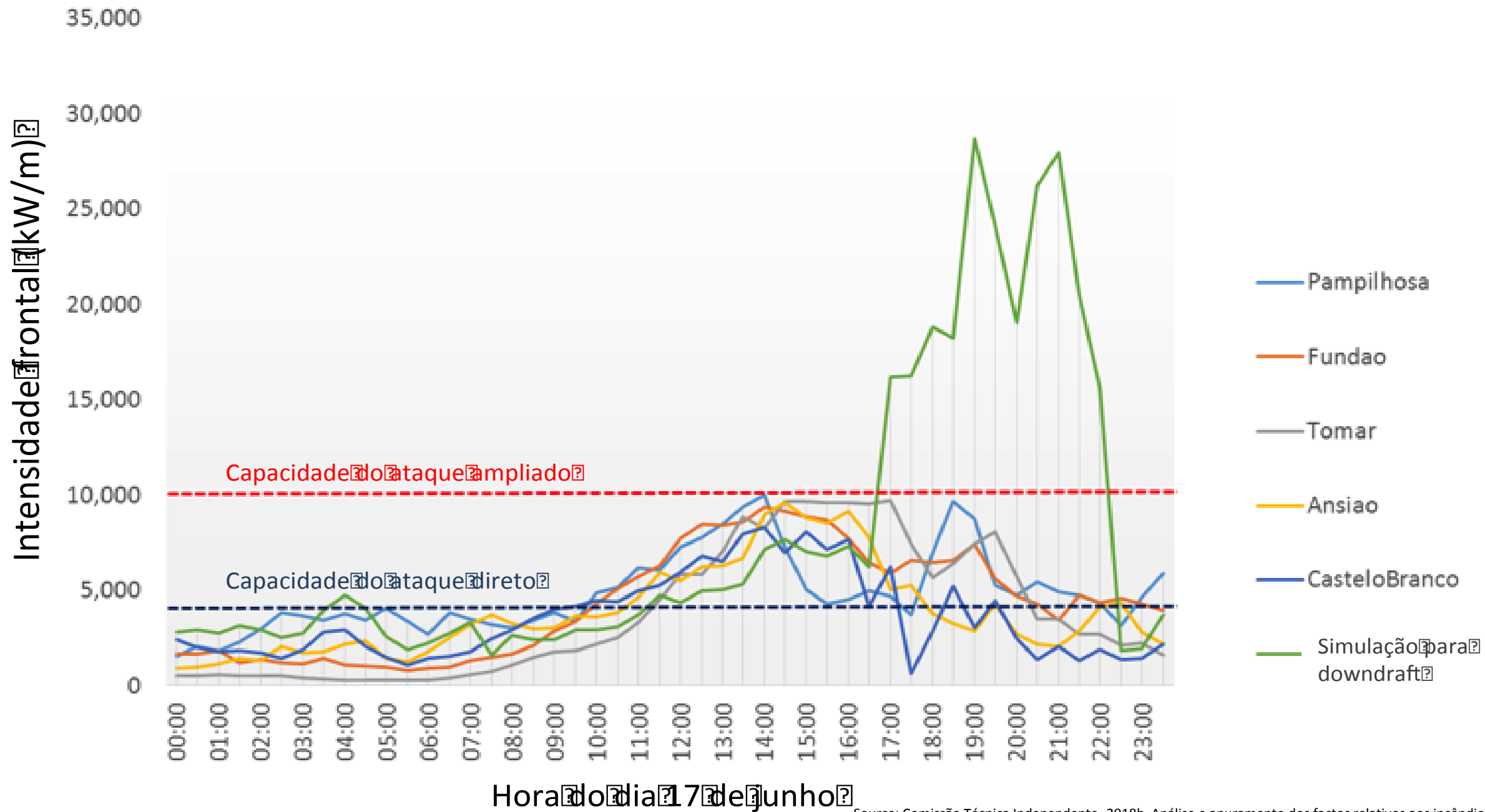
Extreme Wildfire Events MINDSET



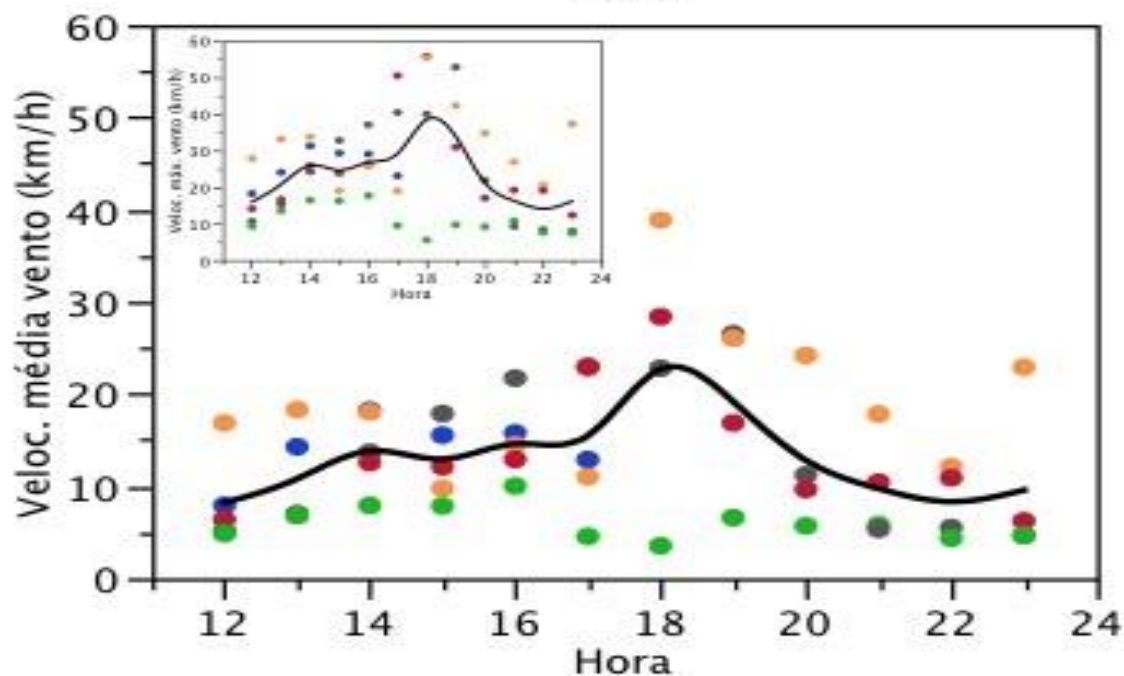
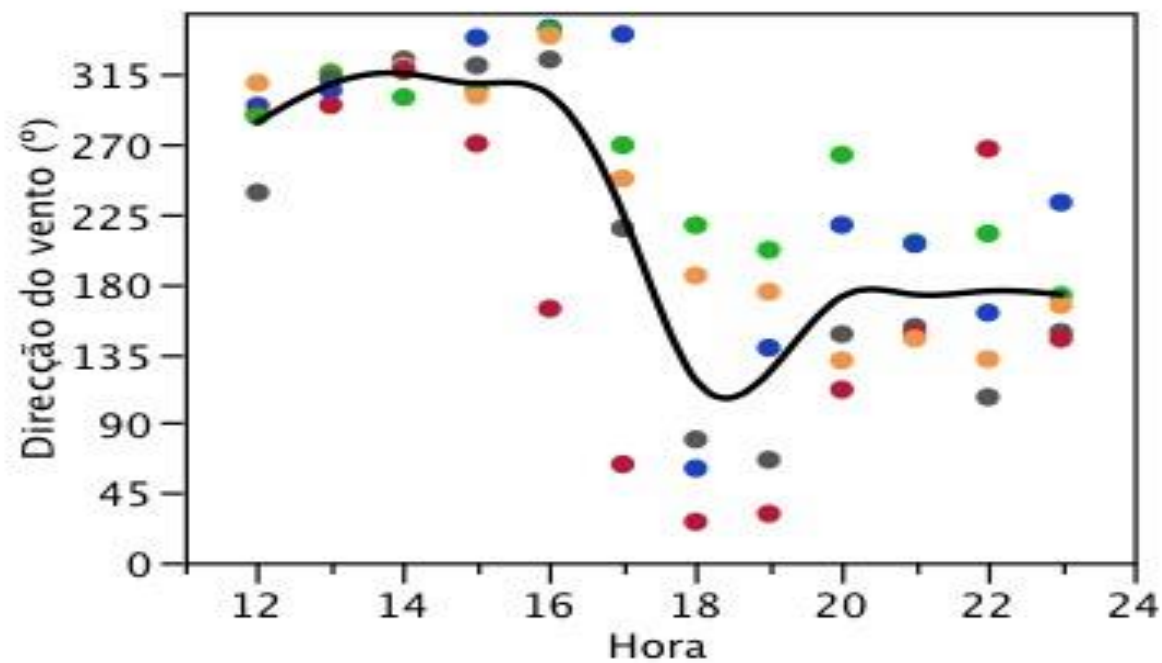
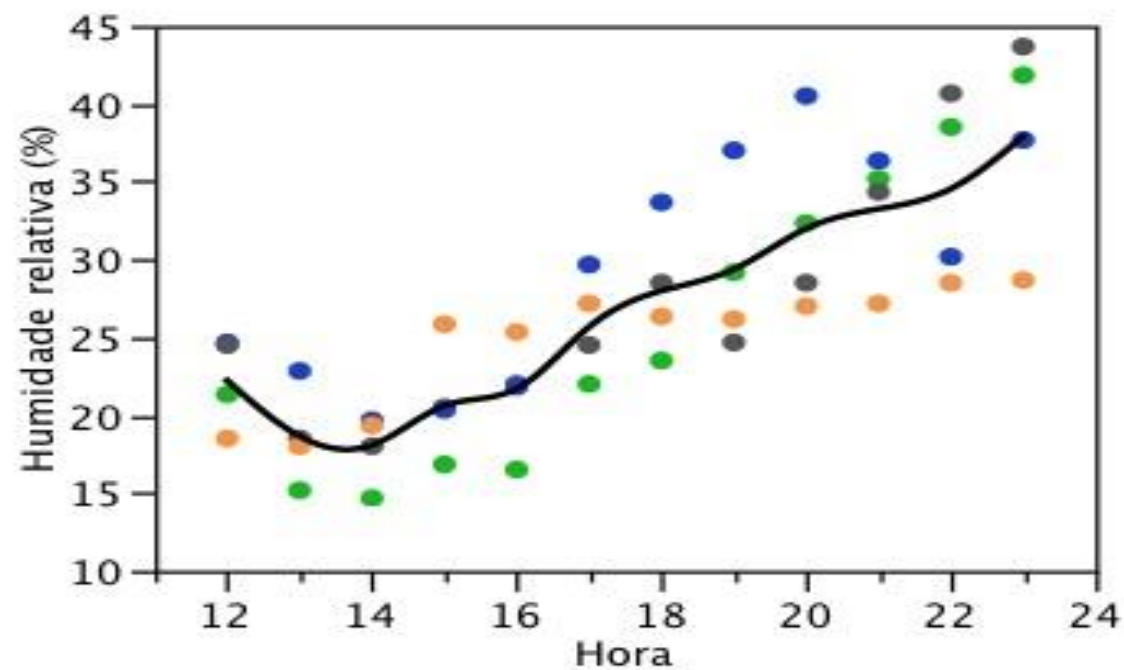
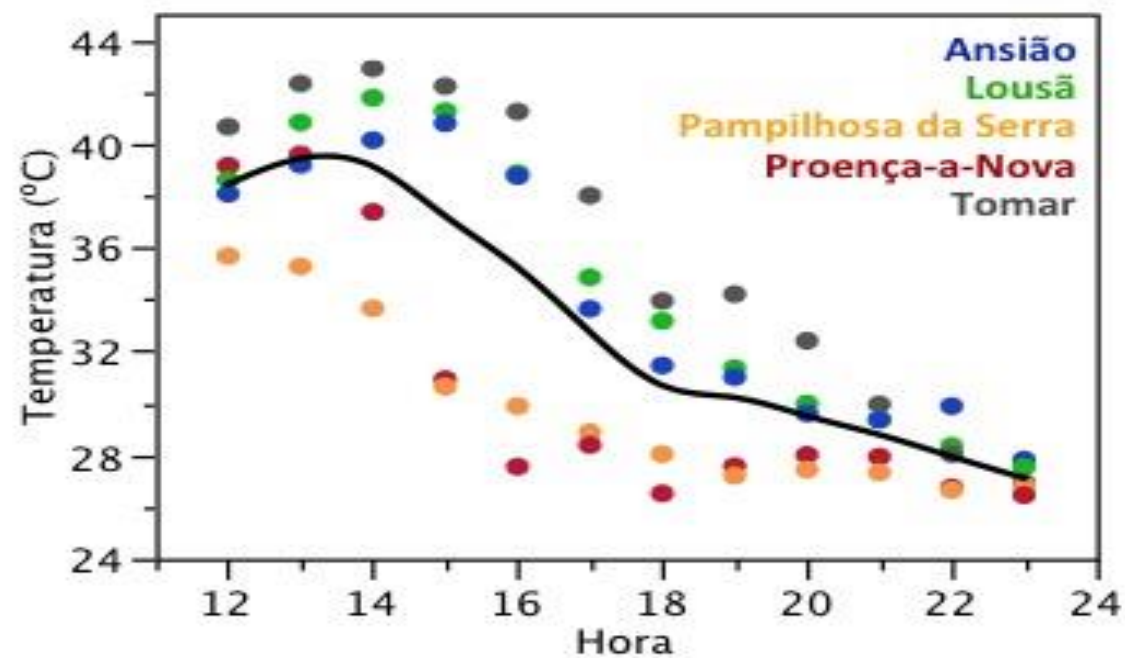








Source: Comissão Técnica Independente. 2018b. Análise e apuramento dos factos relativos aos incêndios que ocorreram em Pedrogão Grande, Castanheira de Pera, Ansião, Alvaiázere, Figueiro dos Vinhos, Arganil, Góis, Penela, Pampilhosa da Serra, Oleiros e Sertã, entre 17 e 24 de junho de 2017. Assembleia da República Lisboa.



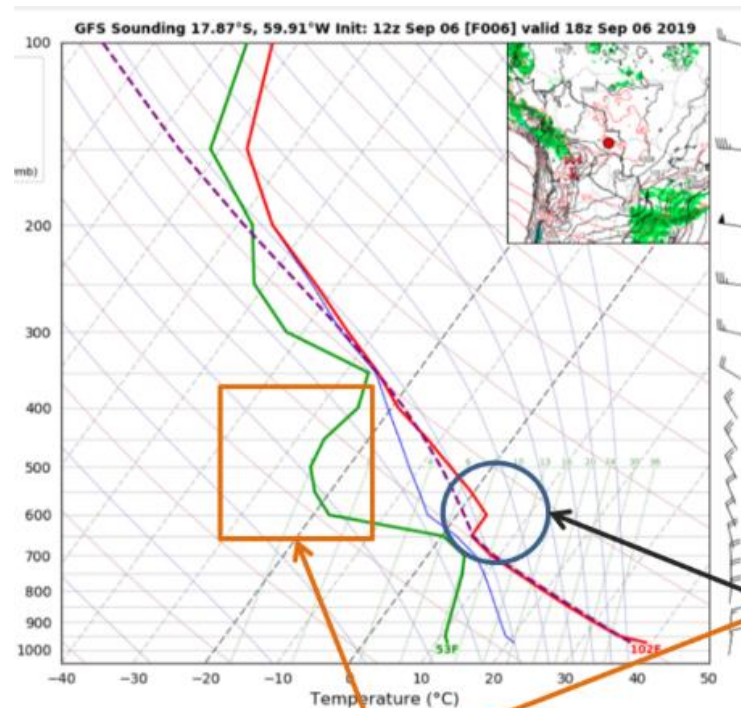


that. In any case, the low fire has been extinguished. Chile, 26 de Enero 2017

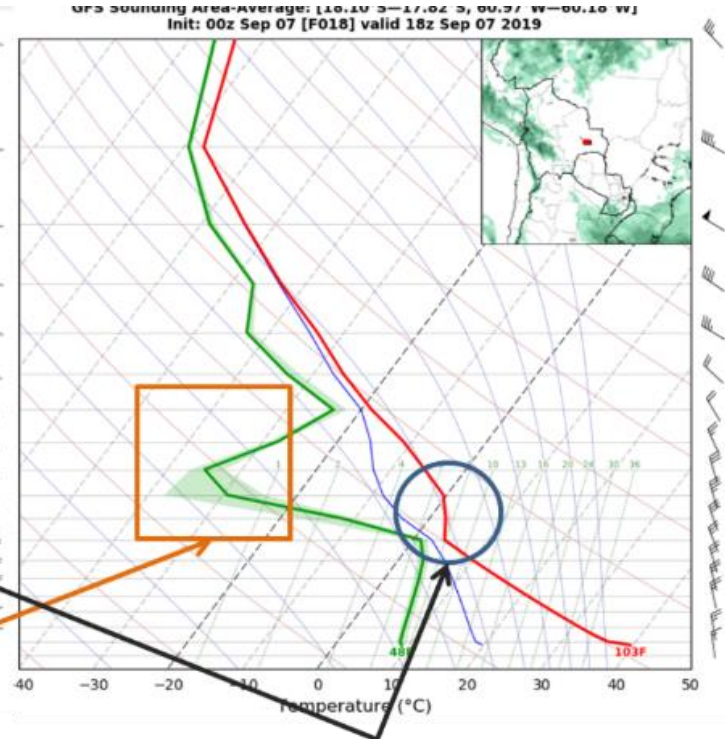
Un punto alto del incendio de granja completa

Canal anarkopende3

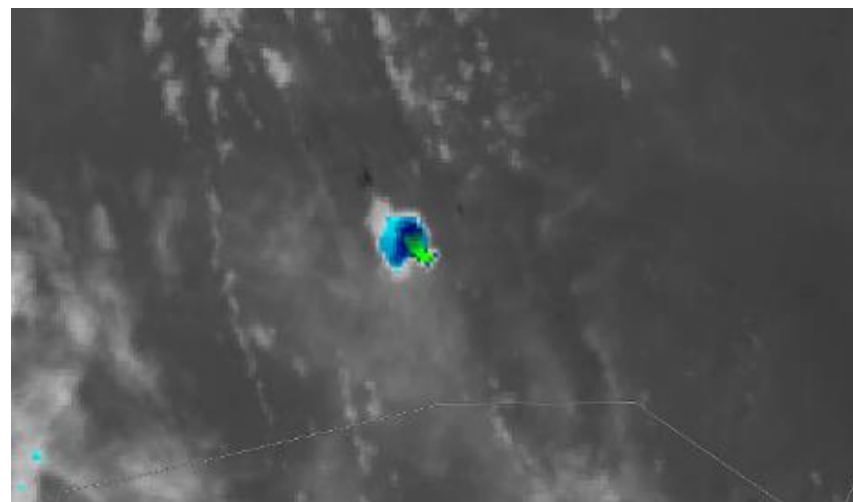
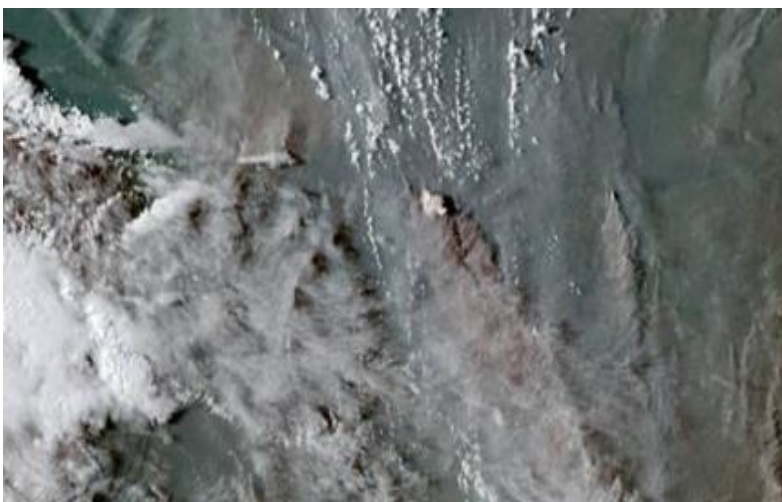




Aire más seco en altura para el día 7

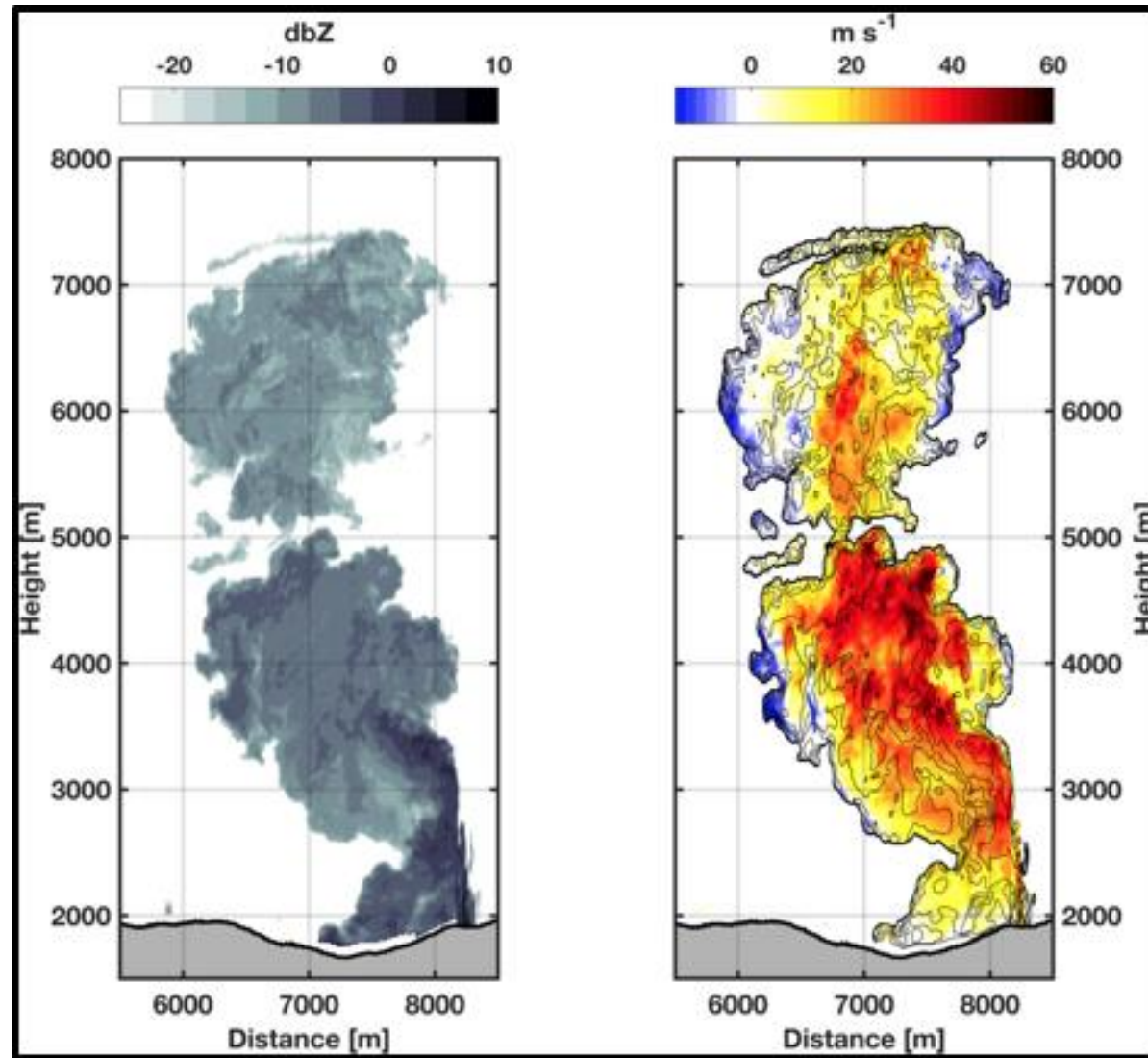


Capa de estabilidad más débil para el día 7



Cloud Radar Backscatter and Doppler Velocity

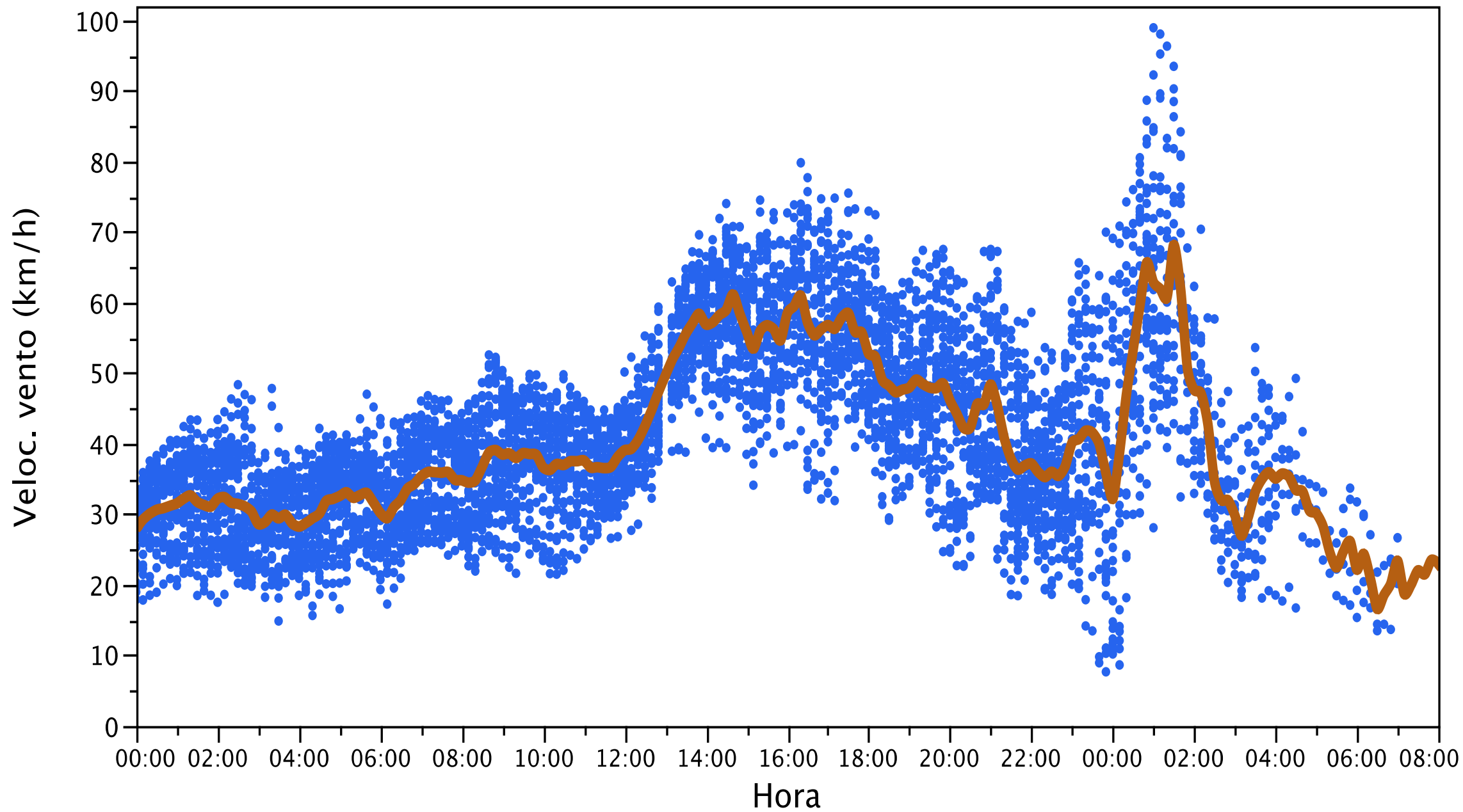
(Leg 10: 29 August 2344-2347 UTC)

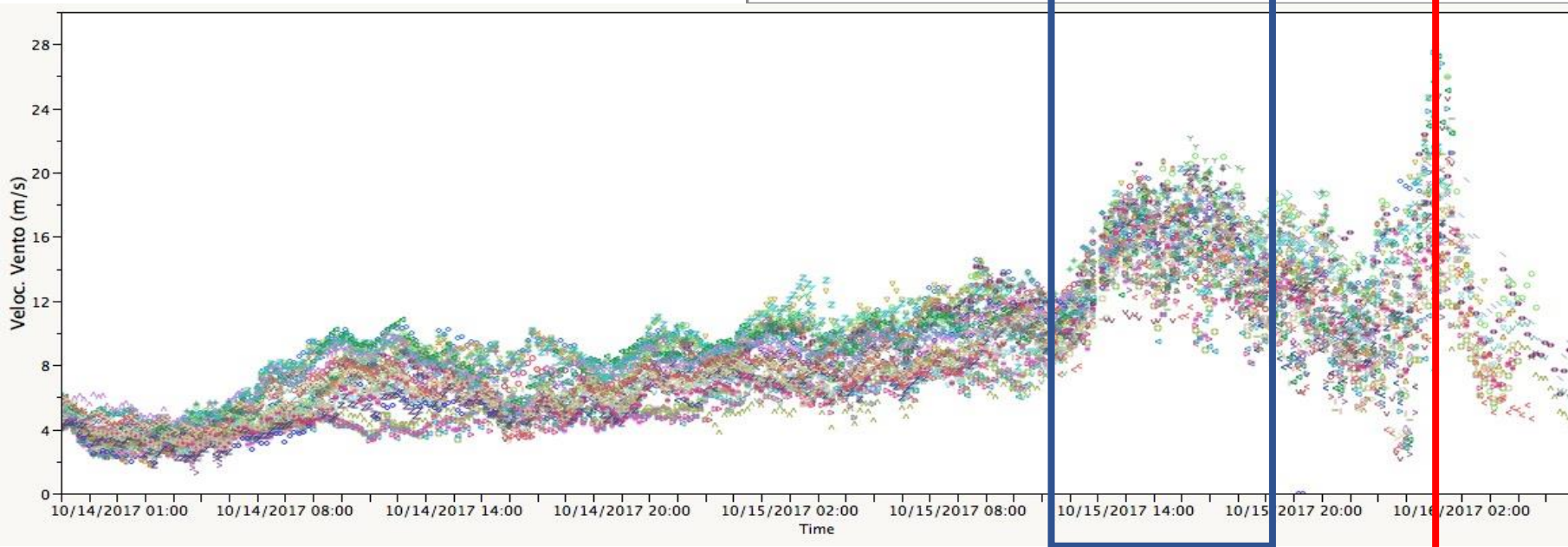
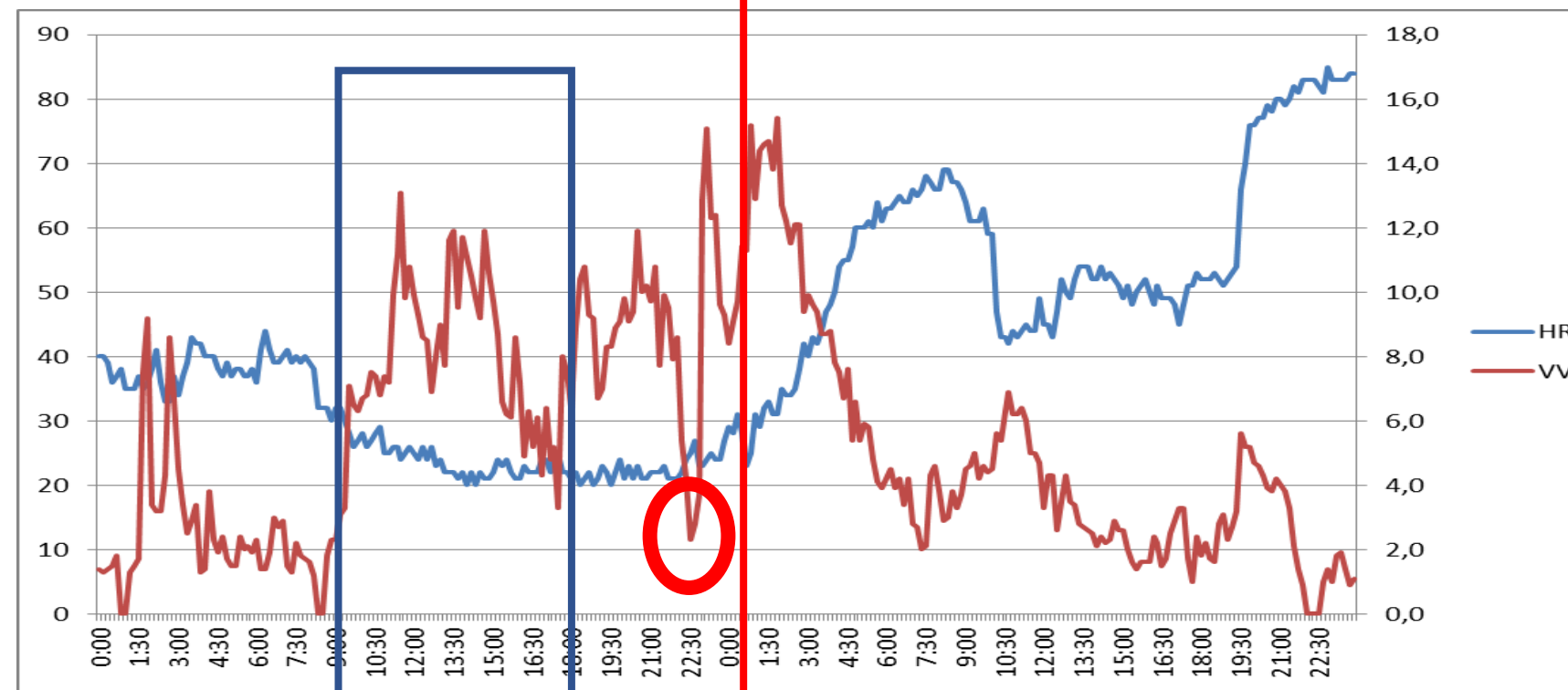


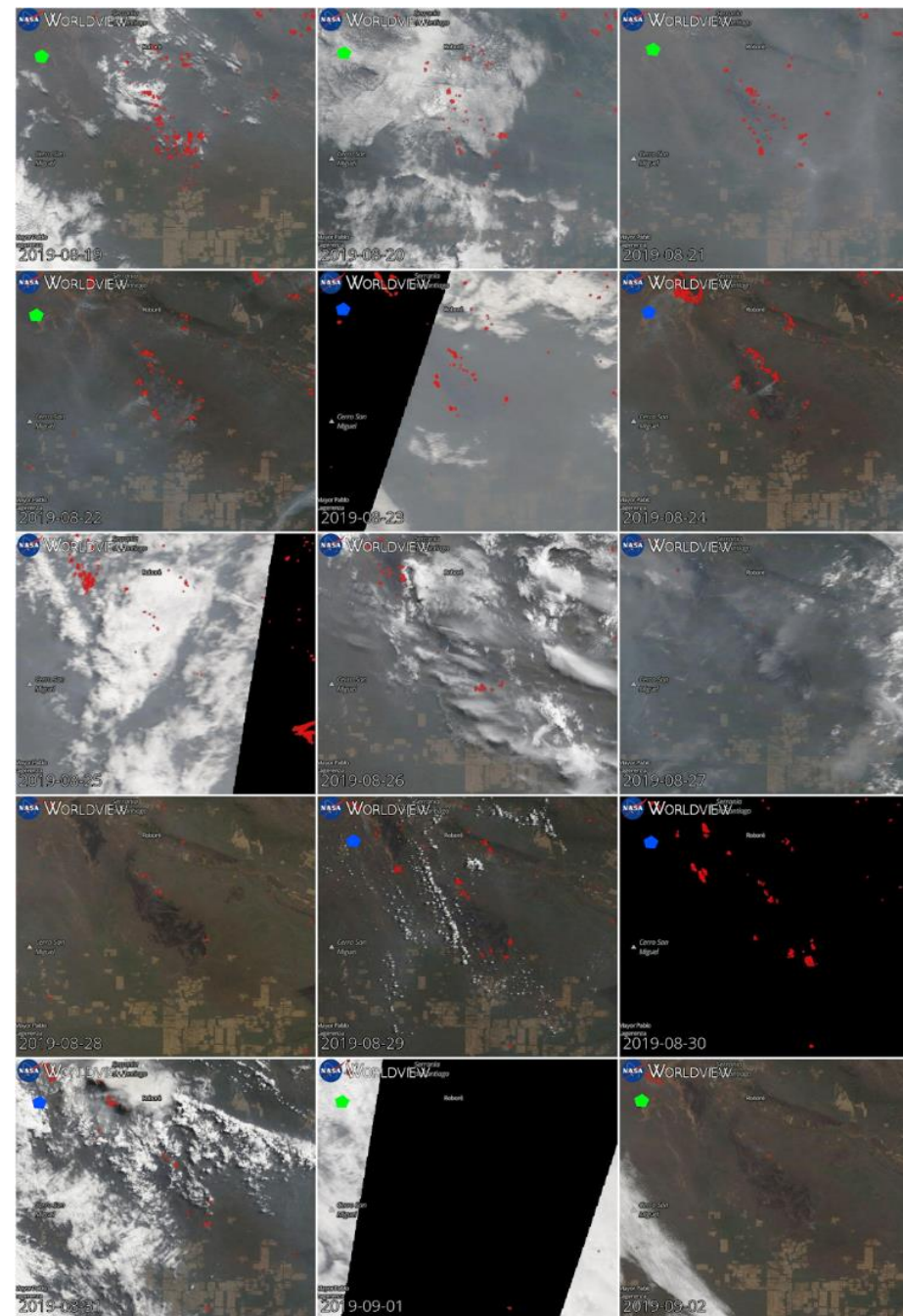
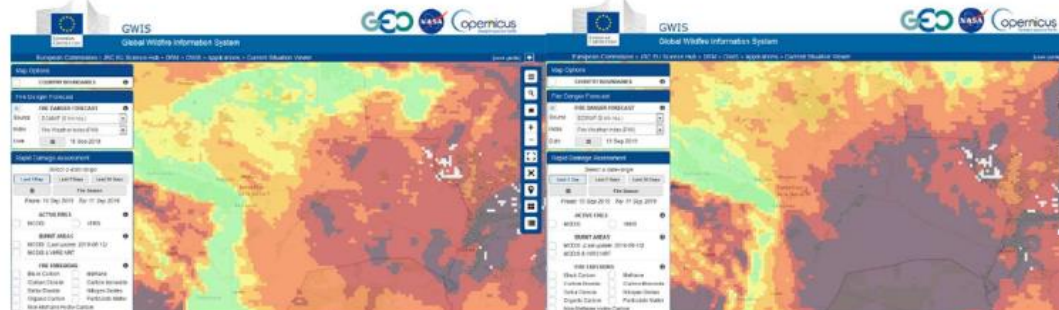
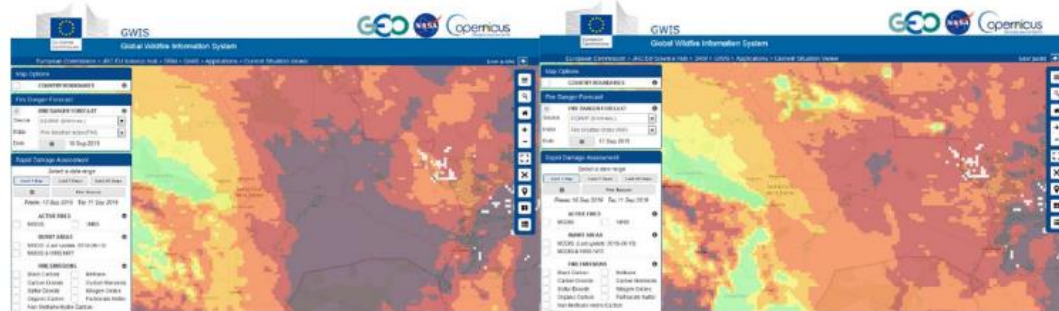
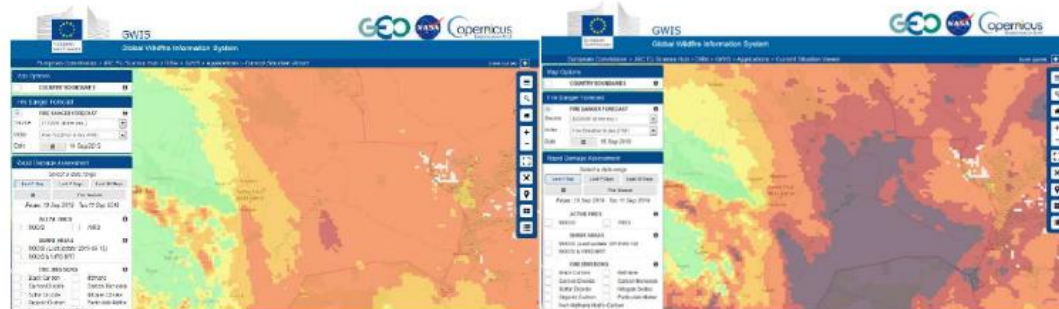
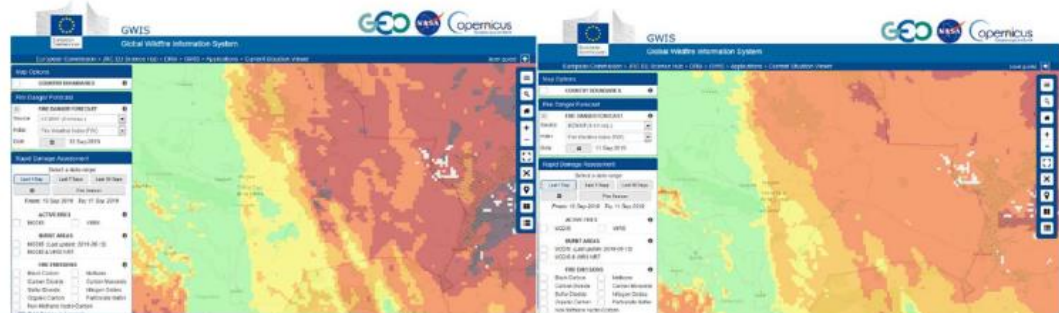
Max velocities:

+58.3 m/s

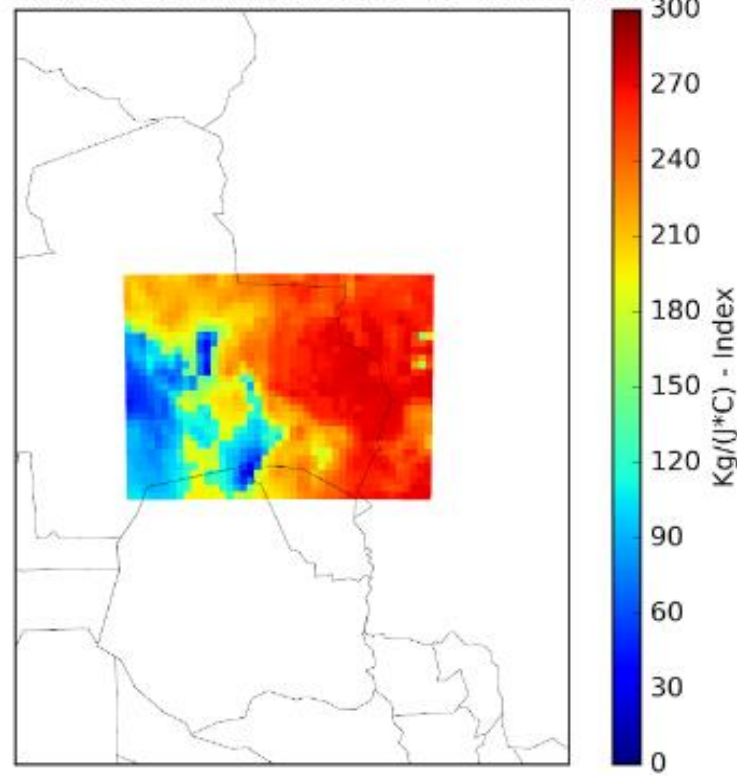
- 29.3 m/s



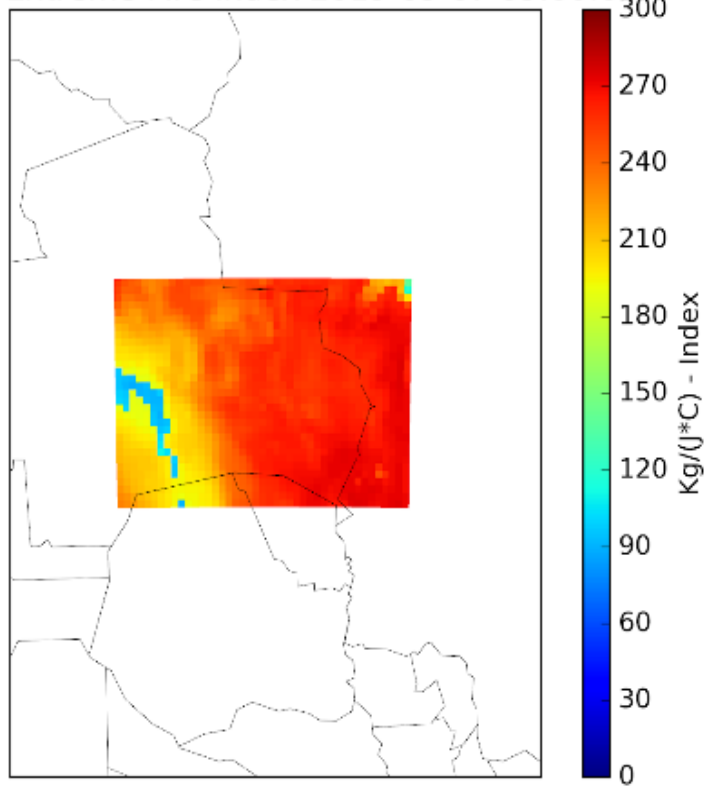




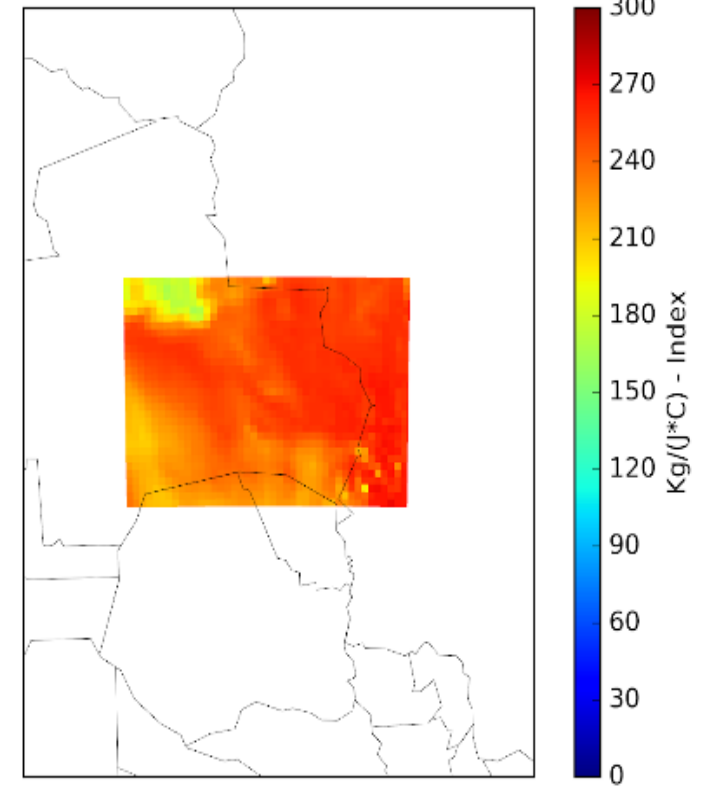
GWIS Extreme Fire Index 2019-09-06 21:00:00



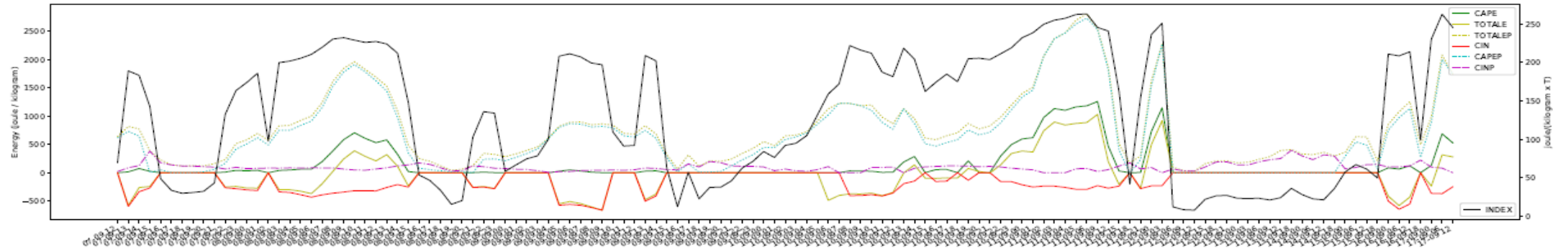
GWIS Extreme Fire Index 2019-09-07 09:00:00



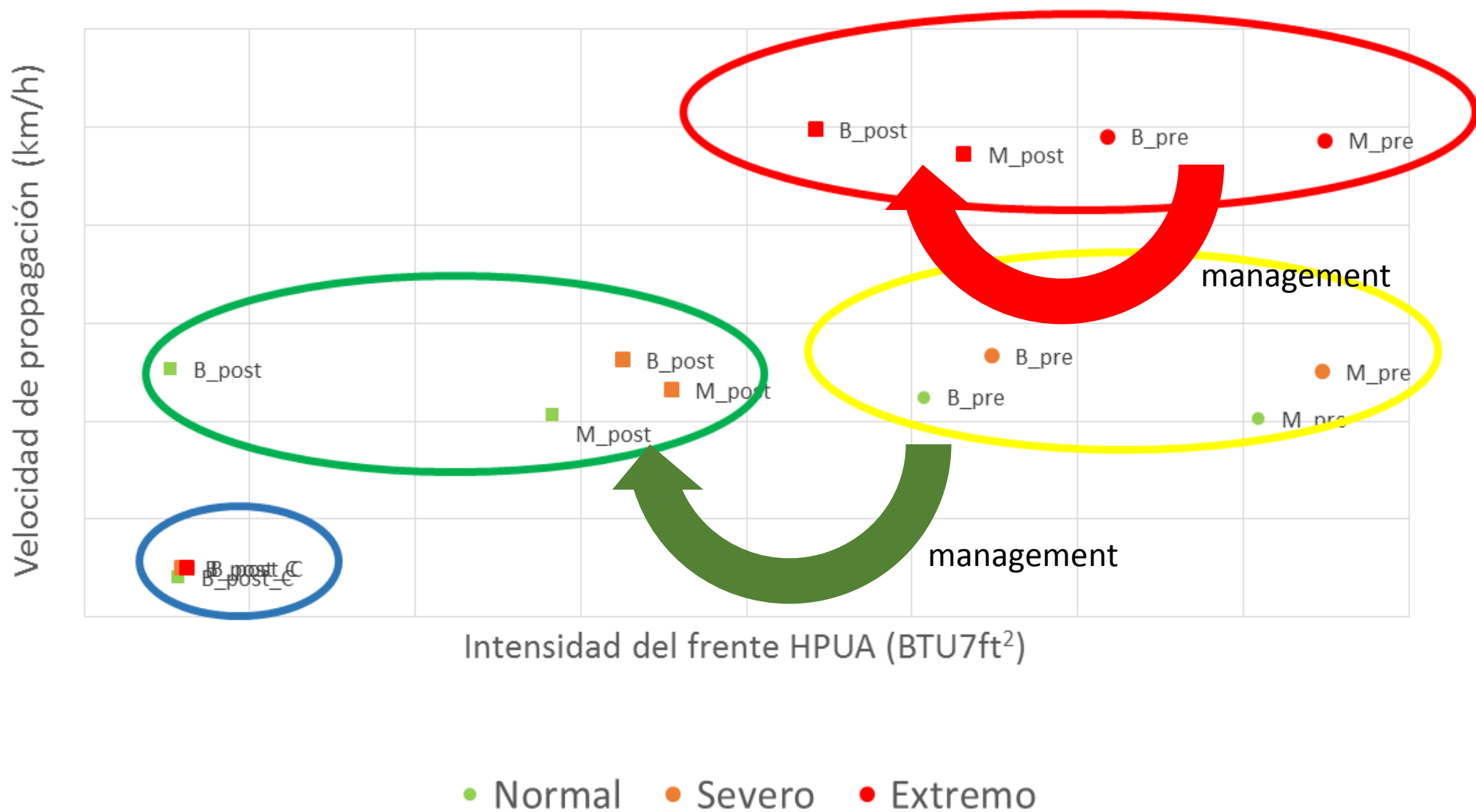
GWIS Extreme Fire Index 2019-09-08 06:00:00



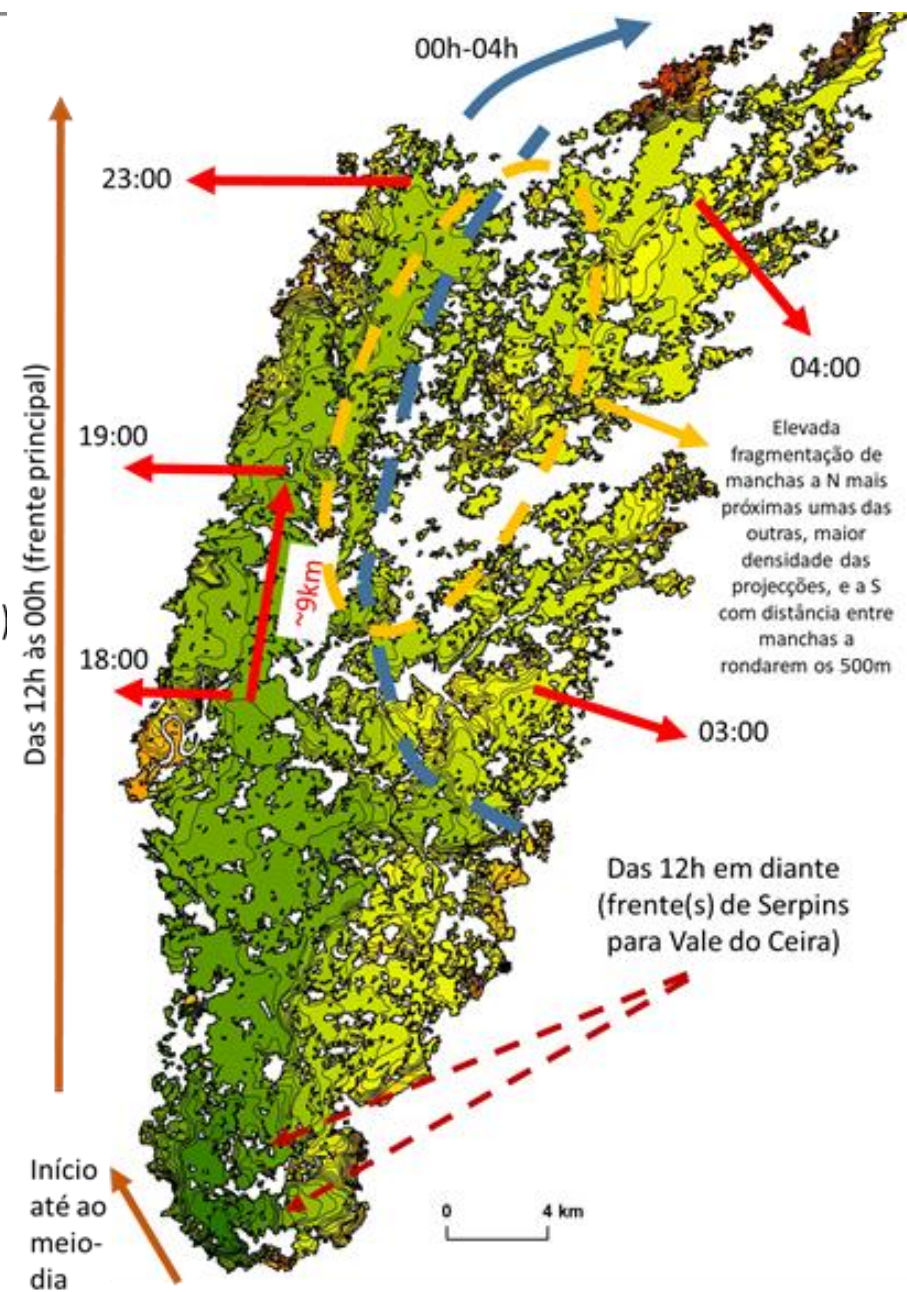
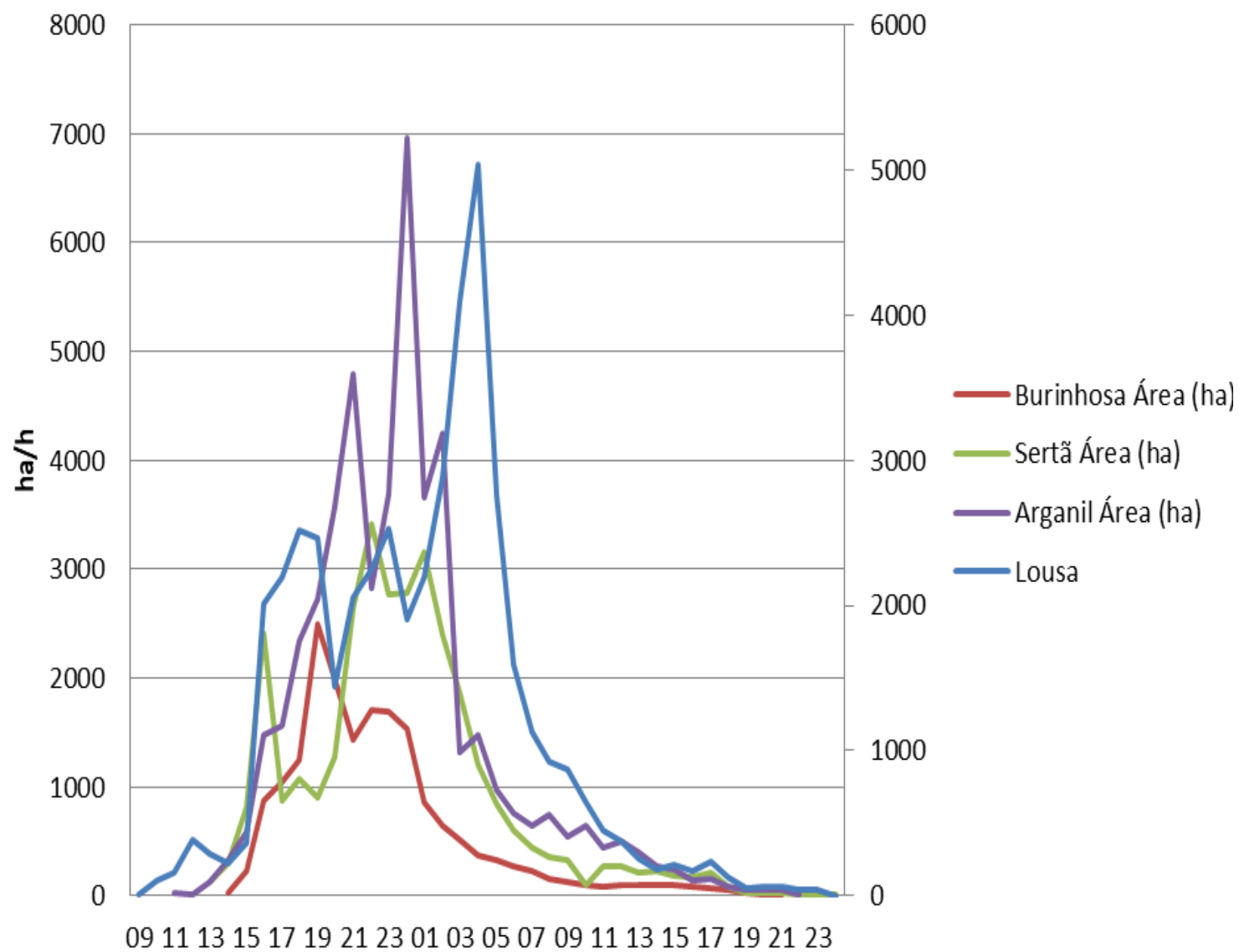
GWIS
tomas.artes.vivancos@ec.europa.eu

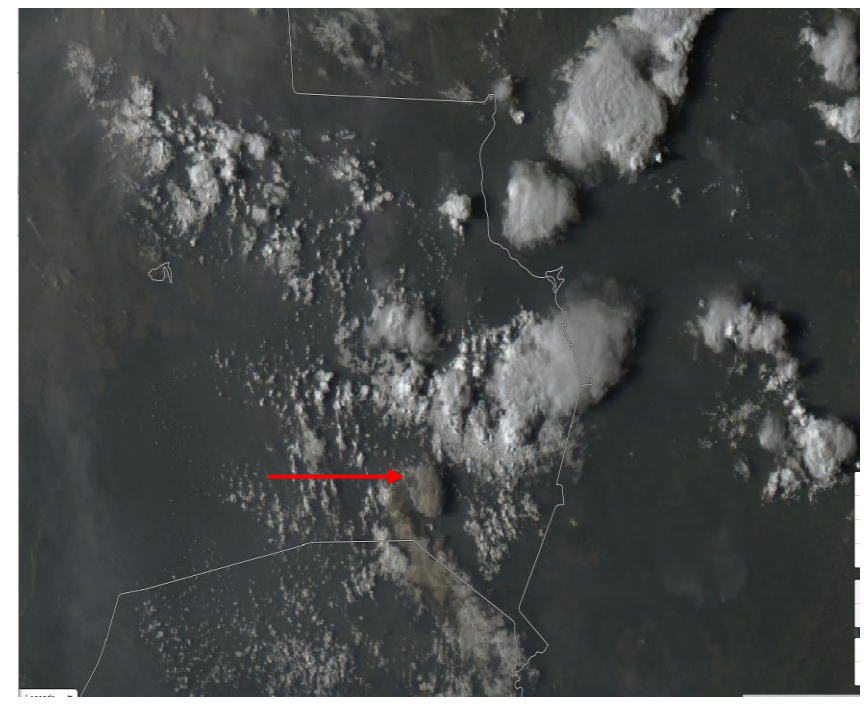
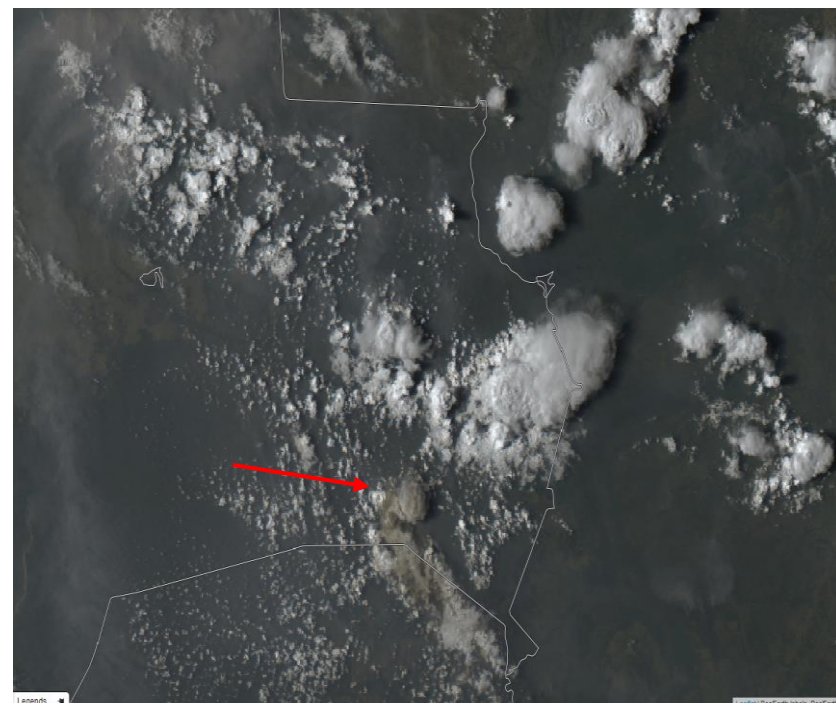
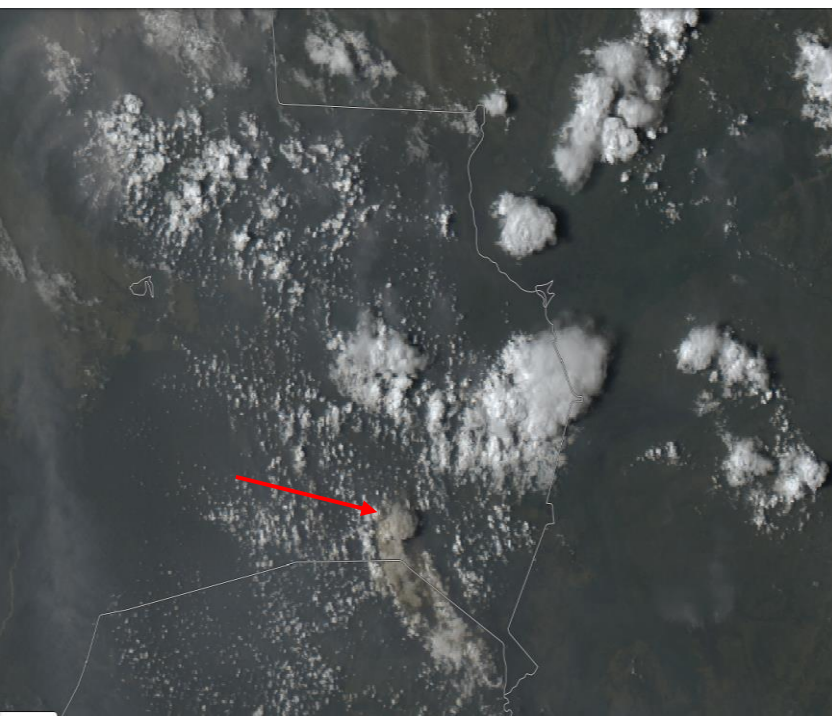
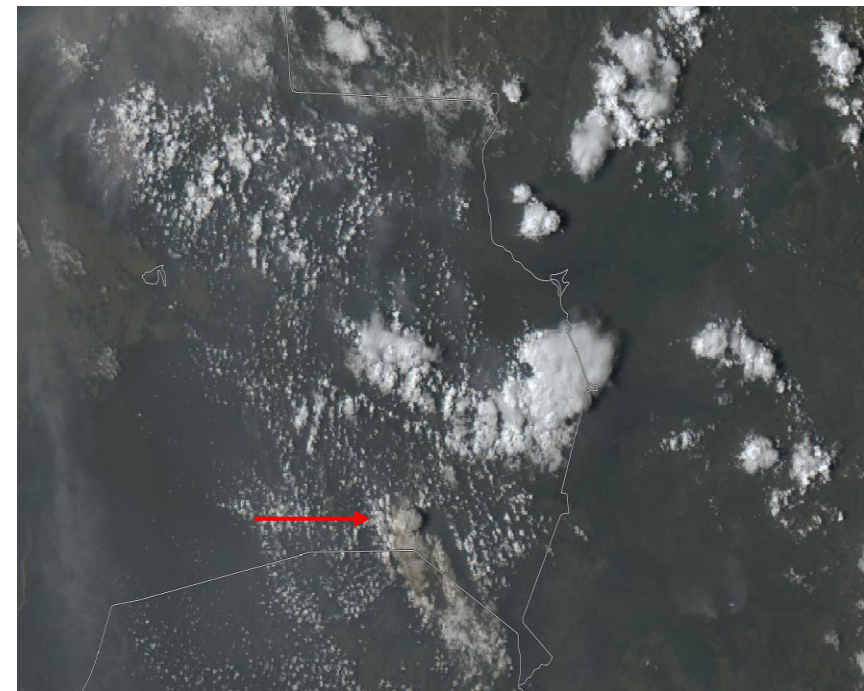
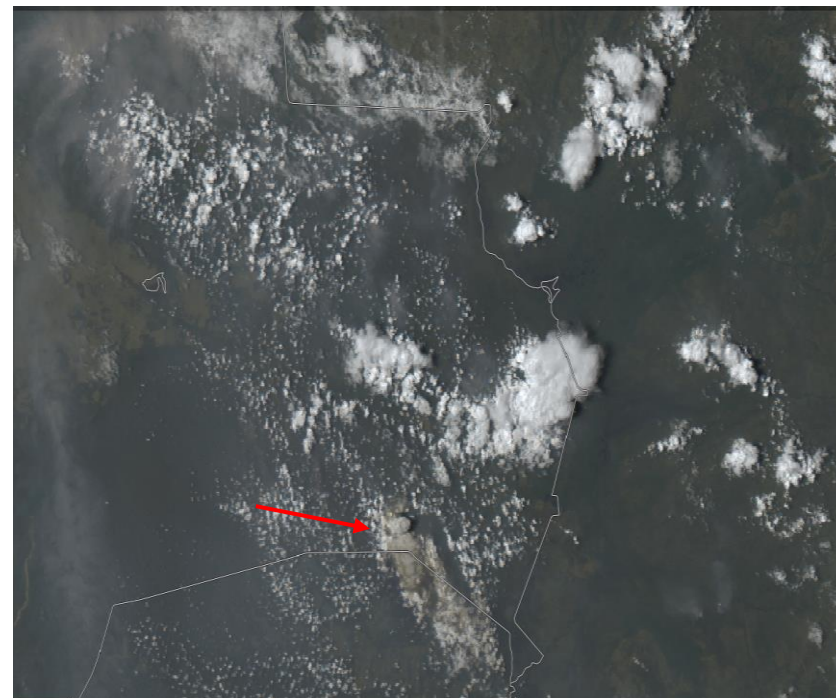
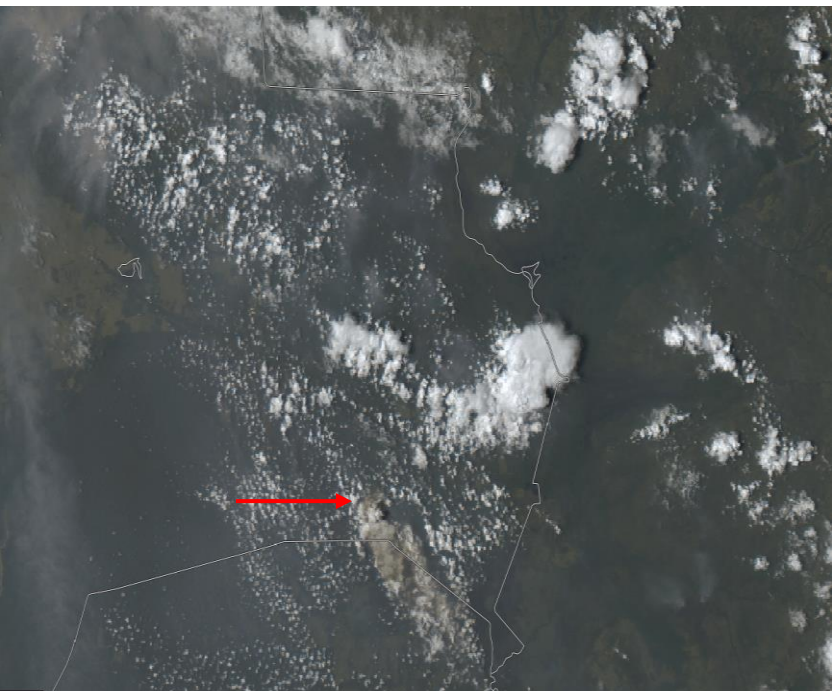


Comportamiento fuego en rodal segun escenario meteo y tratamiento selvícola



Expansões







Luxent, Agost 2018
El fenòmen arriba al
mediterrani sec Ibèric



Jonquera fire 22-07-2012

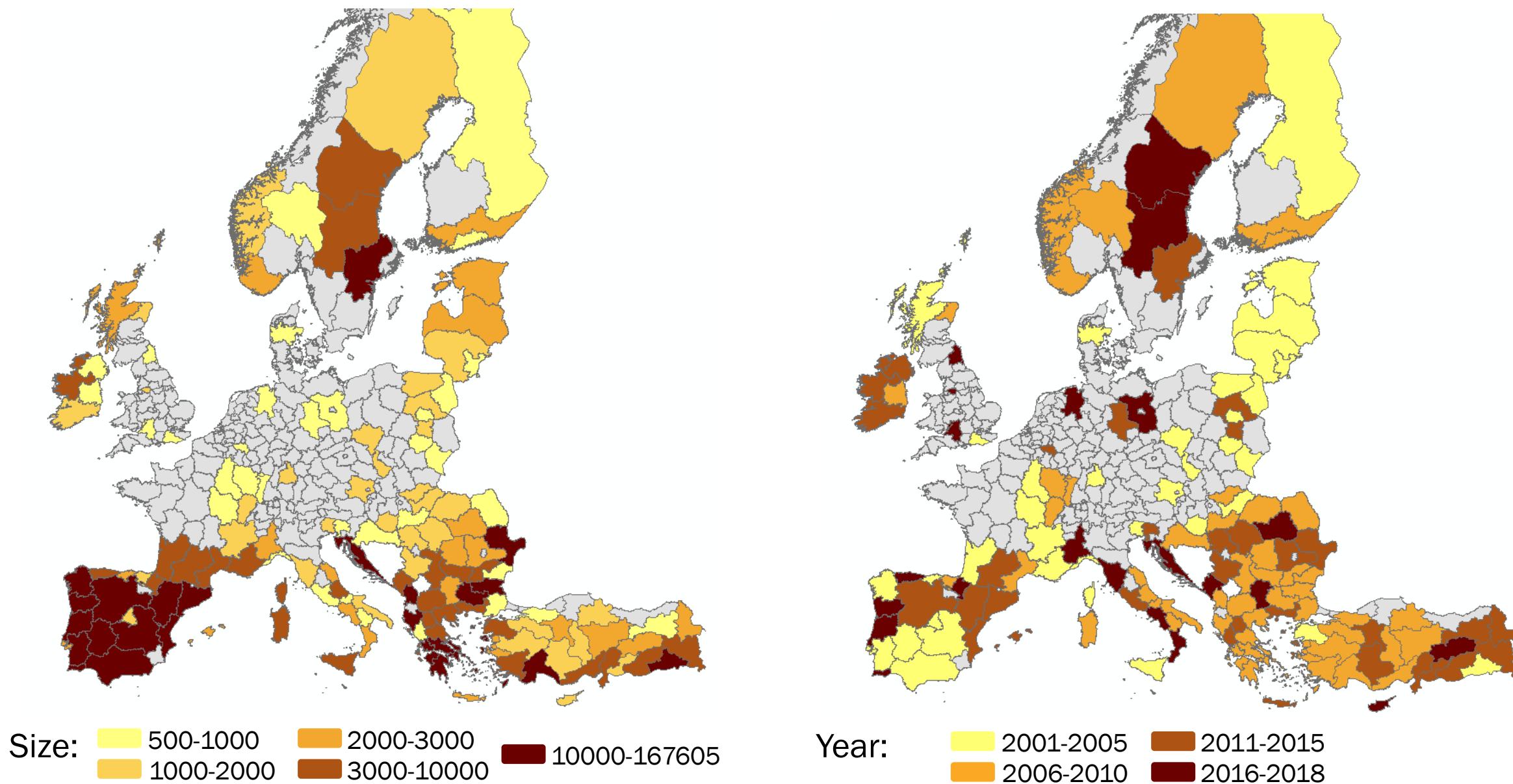
Picture 1

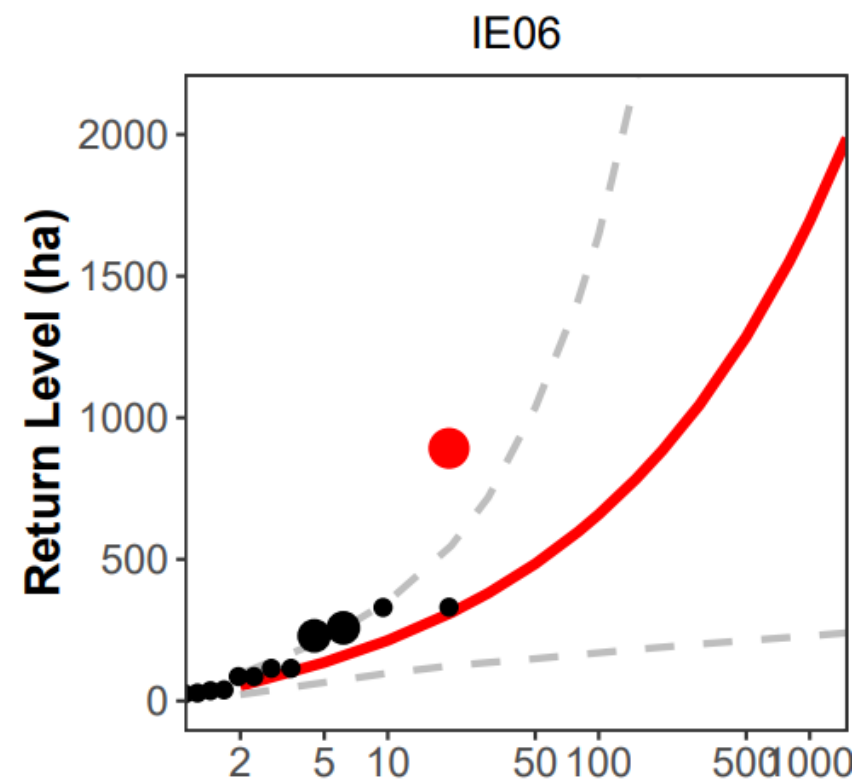
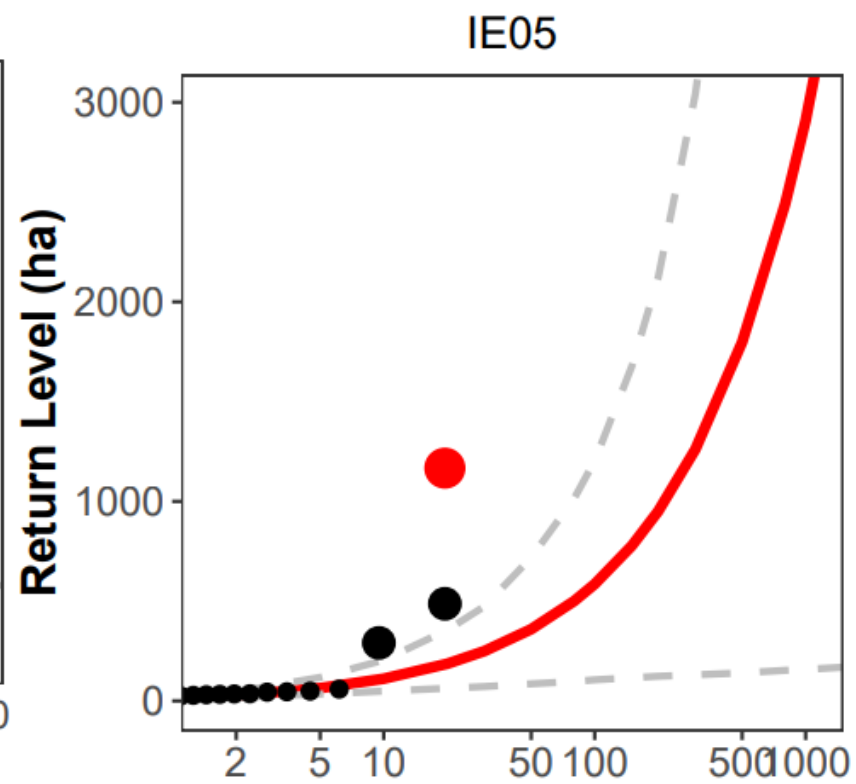
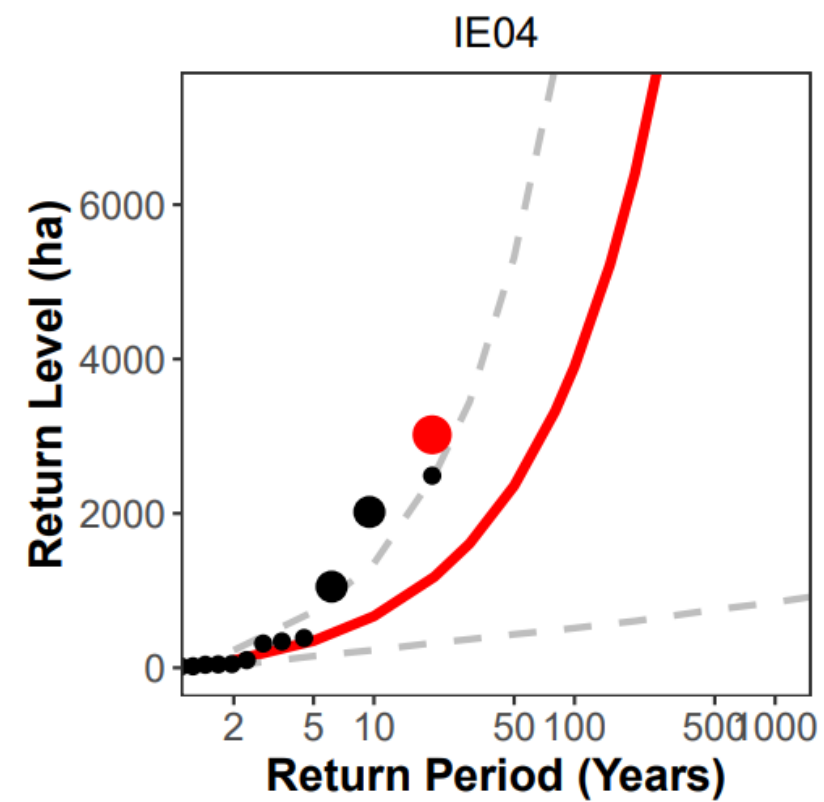


Zone B. Area with more plume dominated behavior or vertical rise. Just below the highest part of the plume

Extreme Events in Europe, size and year

EUROPE







If the *present* position is clear,
the *future* direction is unclear.

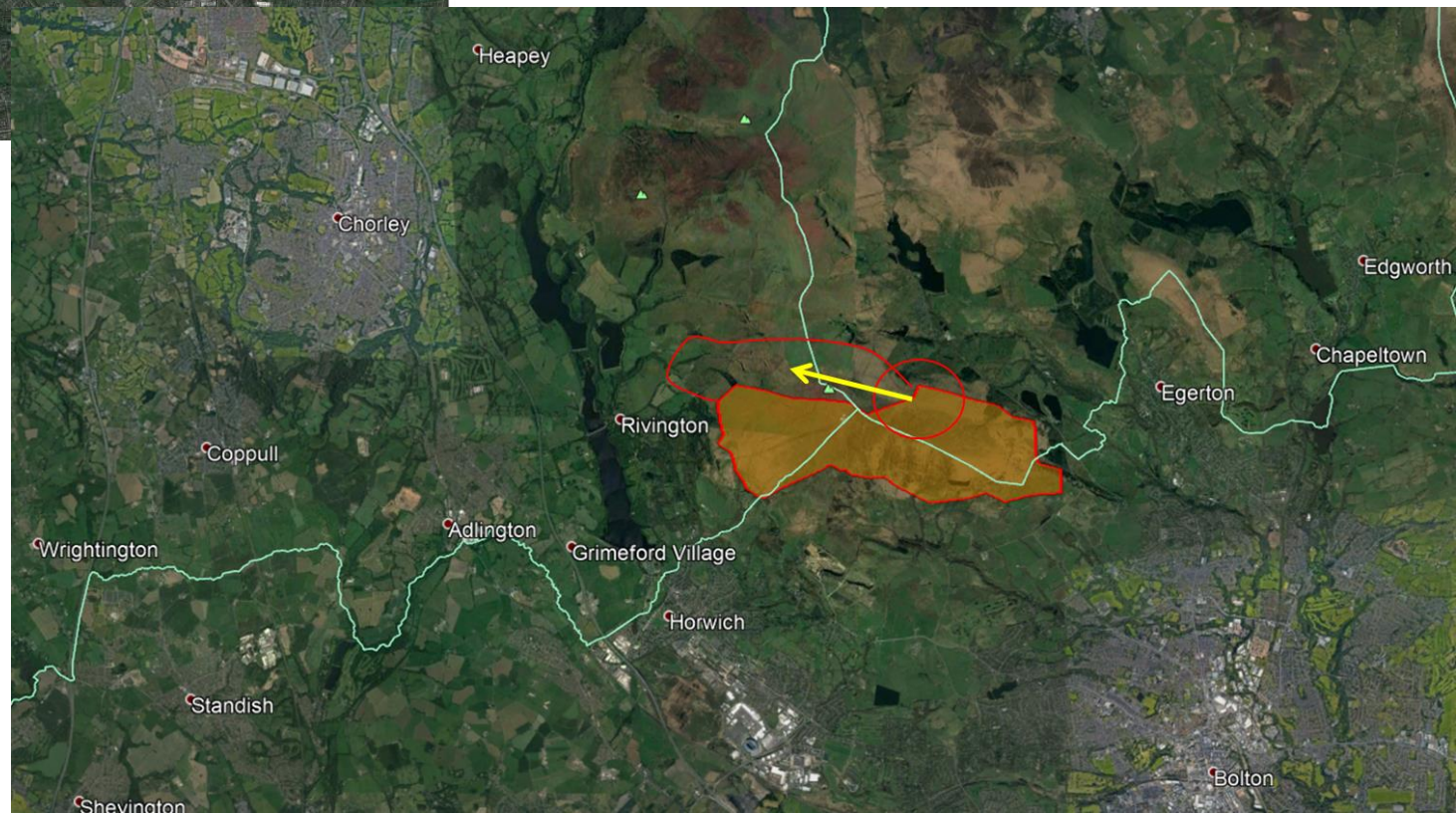


If the *future* direction is clear,
the *present* position is unclear.



Looks we have to sites of fire activity. I don't know if they are the same fire or two separate fires. Anyway, both spread E to W.

Major potential is on the run from E to W from the rear part. So i advise you to push for that flank (N) and into it's first third (N flan, first 1/3)

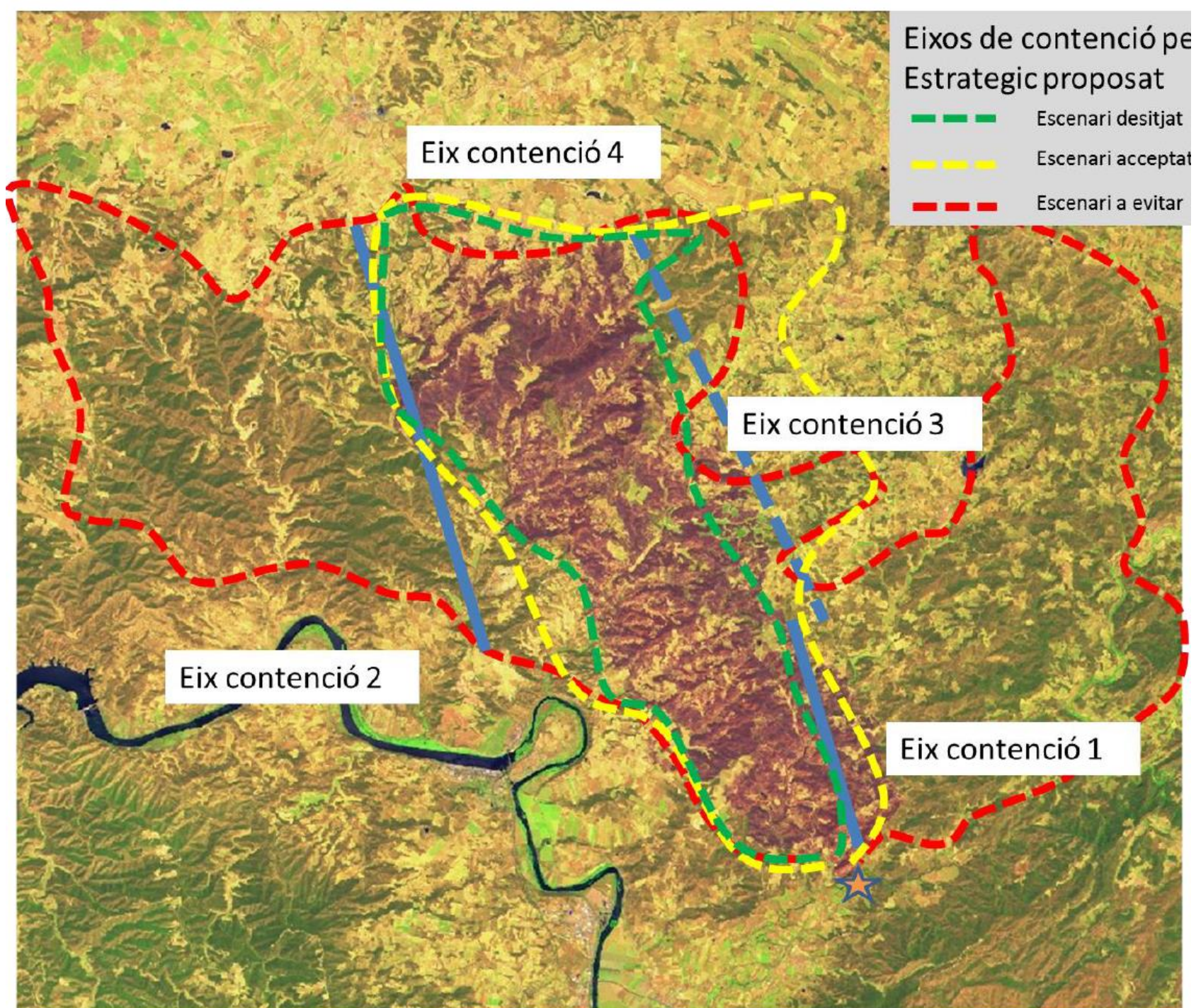


Heather type fires(GM Davies)

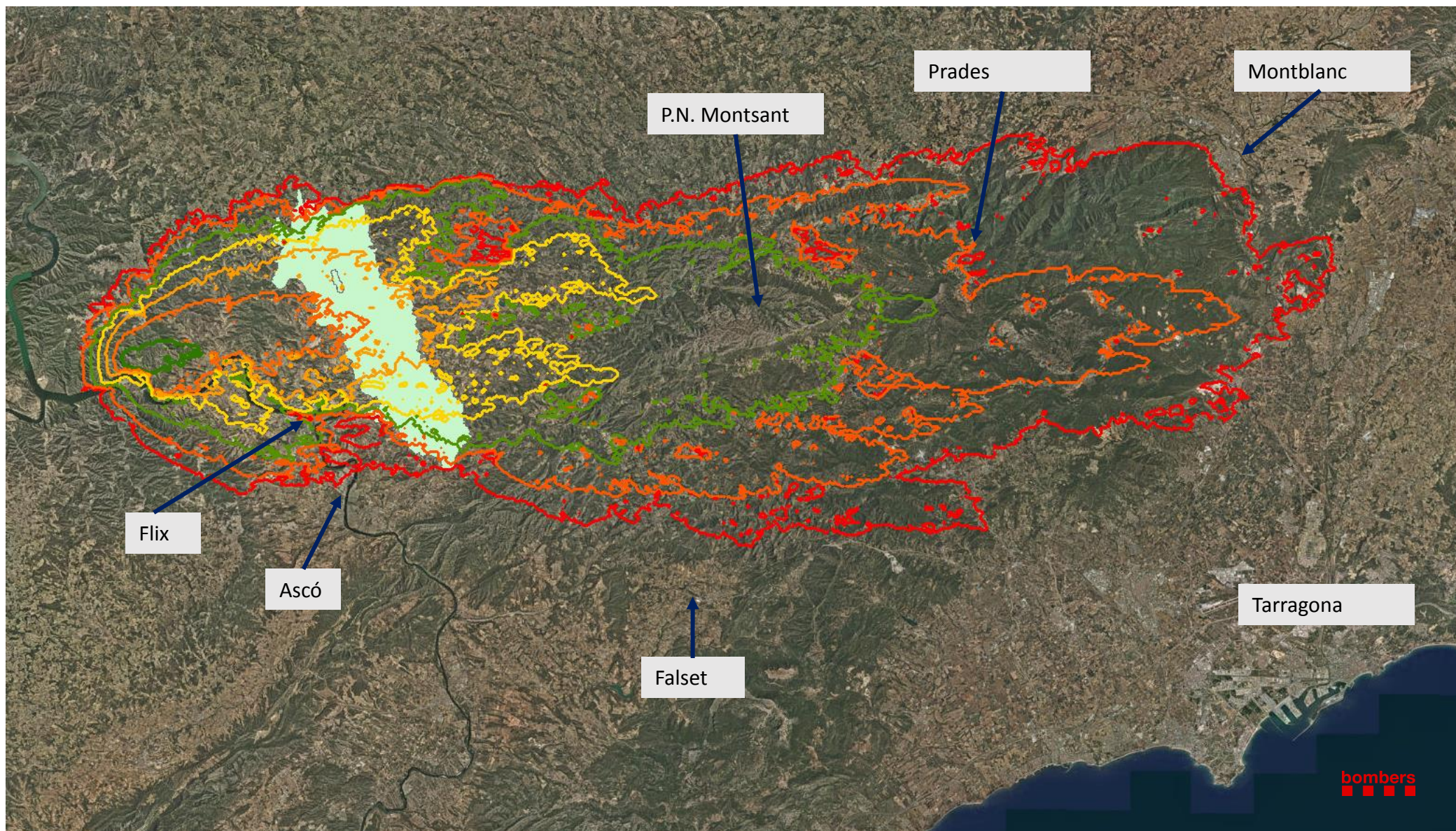
- 20810 kJ/kg
- 0,42-1,67 kg/m² // 4,2 a 16,7 Tn/ha
- RoS de 0,54 a 12,6 m/min // 0,03 to 0,76 km/h

					L segons		
tipus	distancia	hores	ROS (km/h)	ROS (m/min)	$I=300L^2$	$I=HWR$	FL Byram
cap	2100	4	0,53	8,72	2,0874626	1307,25	
cap 2	670	4	0,17	2,78	1,1790886	417,075	
flanc	200	4	0,05	0,83	0,6442049	124,5	
cap	3200	6	0,53	8,85	2,1039645	1328	
cap	2550	6	0,43	7,06	1,878164	1058,25	
cap	2100	4	0,53	8,72	4,3453999	5664,8	
cap 2	670	4	0,17	2,78	2,4544687	1807,3	
flanc	200	4	0,05	0,83	1,3410195	539,5	
cap	3200	6	0,53	8,85	4,3797514	5754,7	
cap	2550	6	0,43	7,06	3,9097101	4585,8	
donzell	19000	4	4,75	78,85	13,070641	51252,5	

	We know	We don't know
We know	Comfort zone. Planned operations work well	Our decisions are build over research and models
We don't know	Our decisions are supported by experience	Our decisions are not supported









New Culture into the system arises

People

Property

Forest

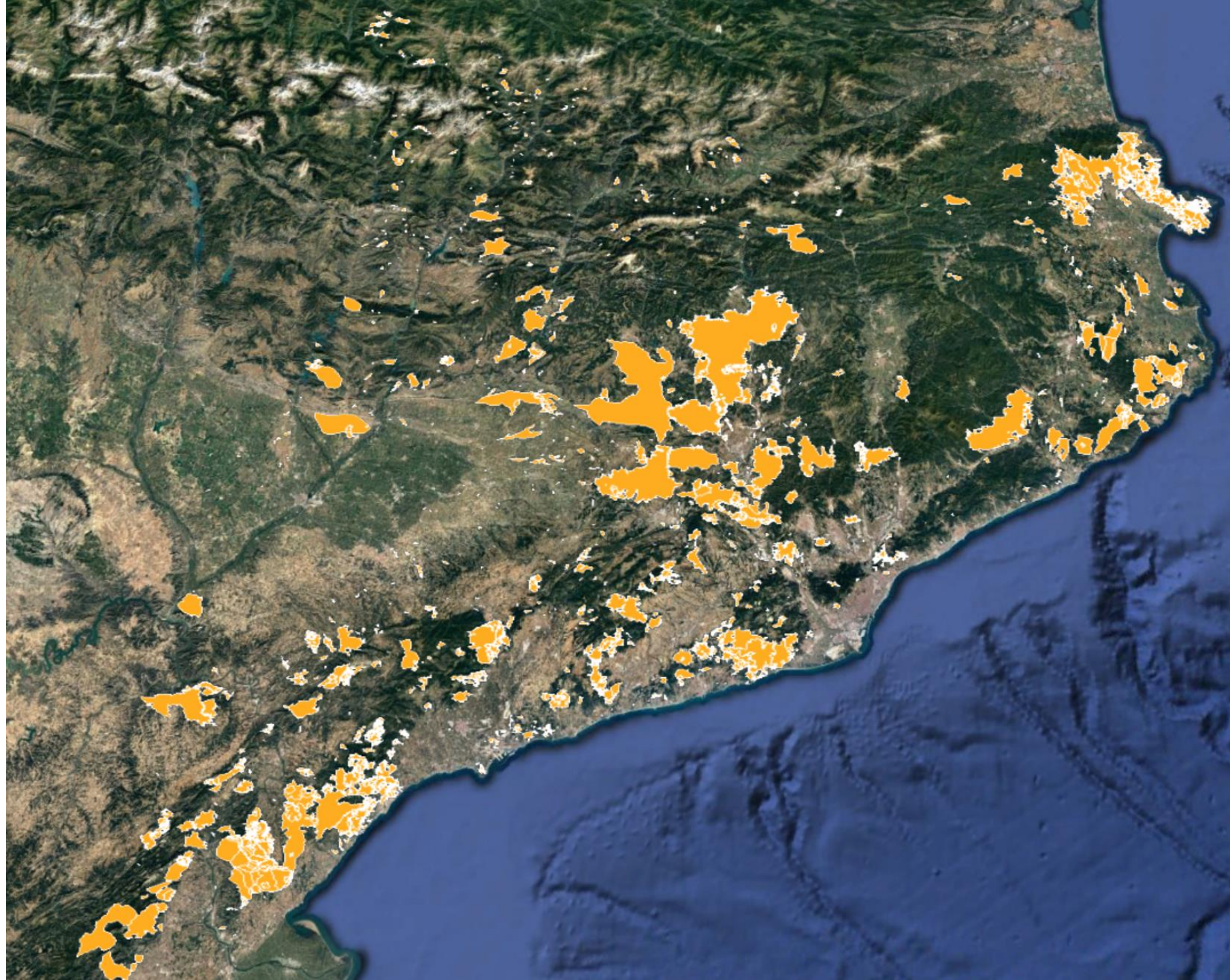
Fire Service Collapse

Common Value

Driving single
operations

Driving Service
decisions

Driving Society
decisions





Thank you!
@incendi



FIRE ECOLOGY ACROSS BOUNDARIES: CONNECTING SCIENCE AND MANAGEMENT

October 20-23, 2020

— Florence, Italy —

The Association for Fire Ecology and Pau Costa Foundation are partnering with Regione Toscana and University of Florence to host a conference in Europe for wildland fire scientists and managers. Save the date and join us in Florence for workshops, plenary and concurrent presentations, and field trips.

*More information will be posted soon at
fireacrossboundaries.org*



???

How is climate change affecting fires in Atlantic & Northern Europe?

How can fire ecology be used for emergency management?

What is the impact of small fires for future fire regimes?

How good is prescribed burning to reproduce natural fires?

How are plant adaptations to fire responding to climate change?

How is the fire ecology and behaviour changing inside a WUI?

