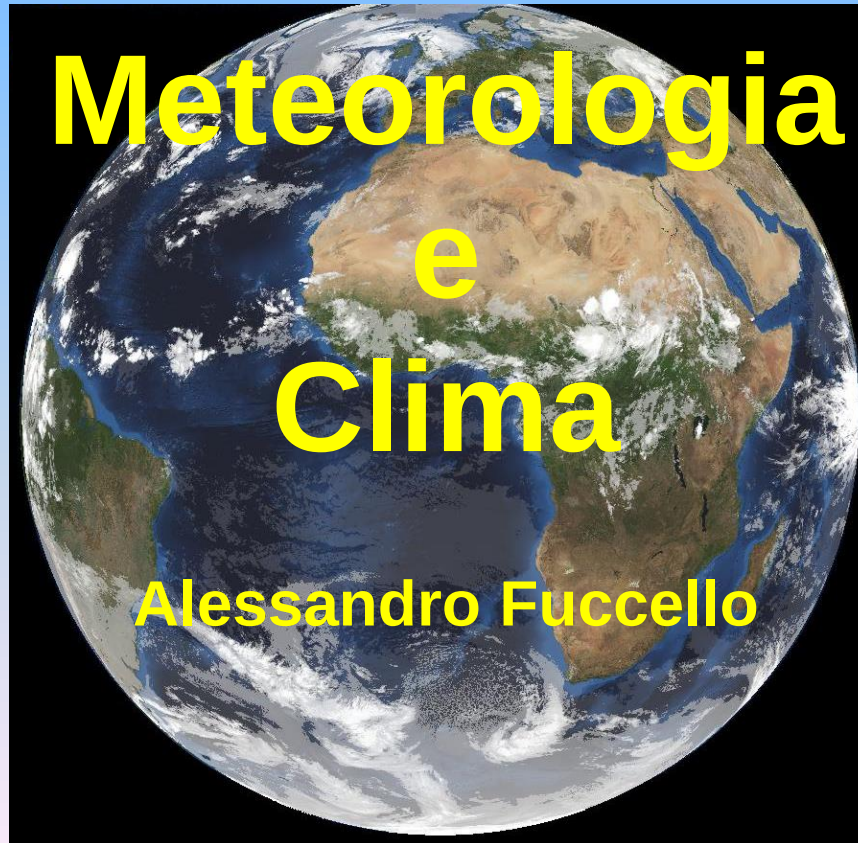




Meteorologia e Clima

Alessandro Fuccello





METEOROLOGIA E CLIMA

MERCOLEDÌ 26 OTTOBRE 2022

L'Uomo, il Tempo e il Clima. Quanto è complessa l'atmosfera?

MERCOLEDÌ 9 NOVEMBRE 2022

Le nubi e i fenomeni atmosferici: pioggia, fenomeni estremi e "bombe d'acqua".

MERCOLEDÌ 23 NOVEMBRE 2022

Osservare il tempo: la rete delle stazioni meteo dal Rinascimento a oggi.

MERCOLEDÌ 7 DICEMBRE 2022

Osservare il tempo dallo spazio: l'avventura dei satelliti meteorologici.

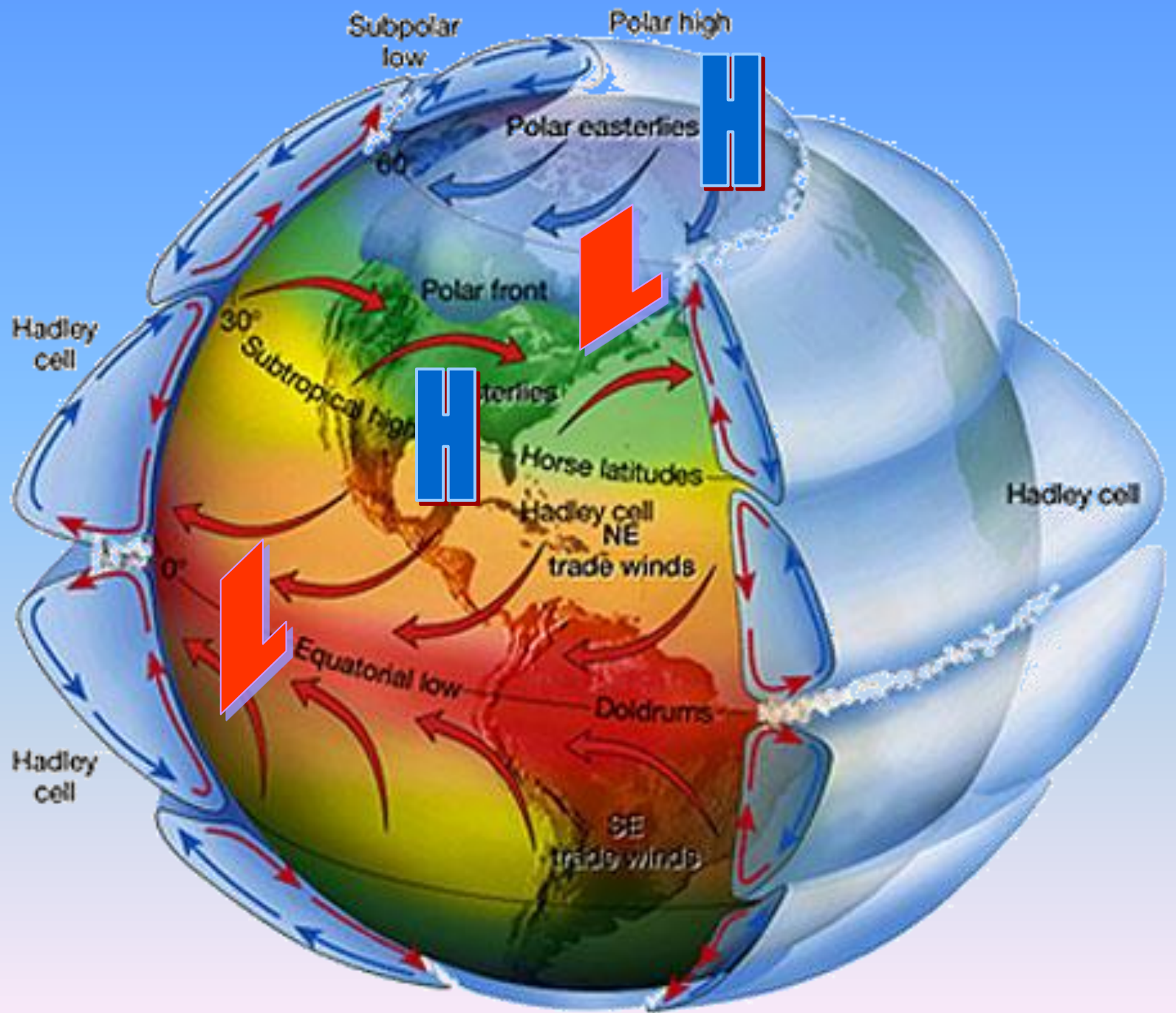
MERCOLEDÌ 11 GENNAIO 2023

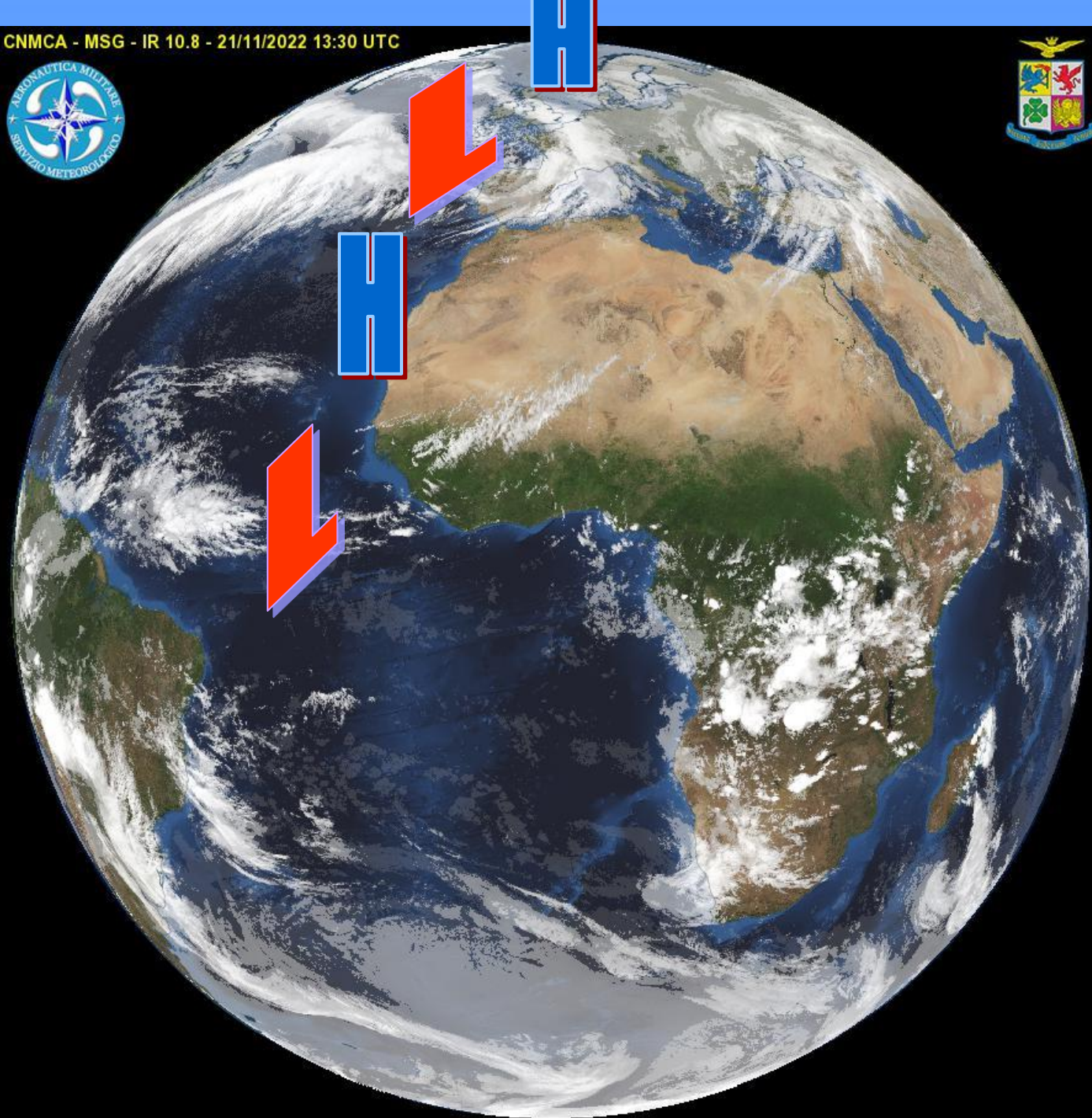
Prevedere il Tempo. Passato, presente e futuro: magia o scienza?

MERCOLEDÌ 25 GENNAIO 2023

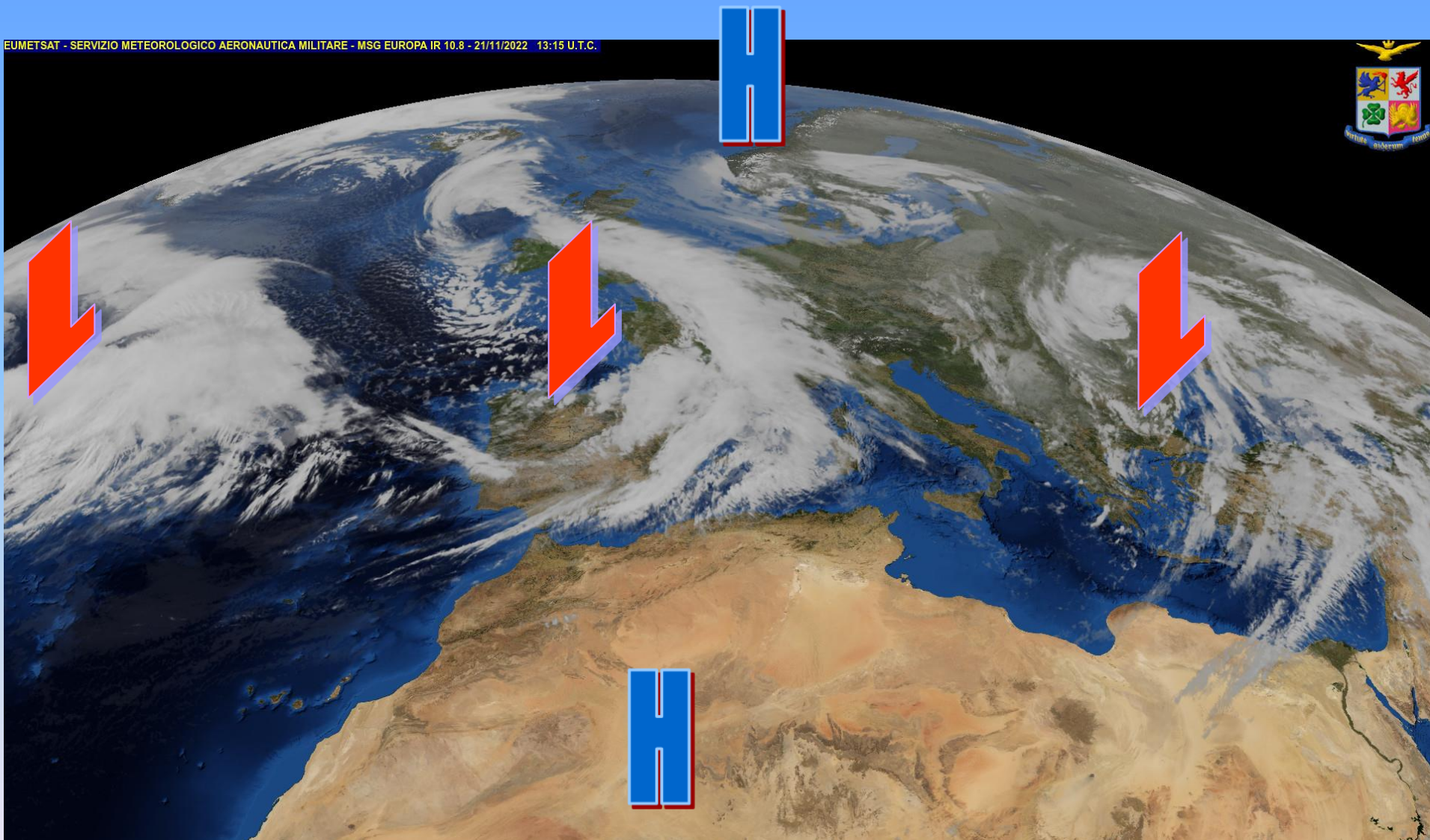
Comunicare il tempo: dal Colonnello Bernacca alle app dei telefonini.

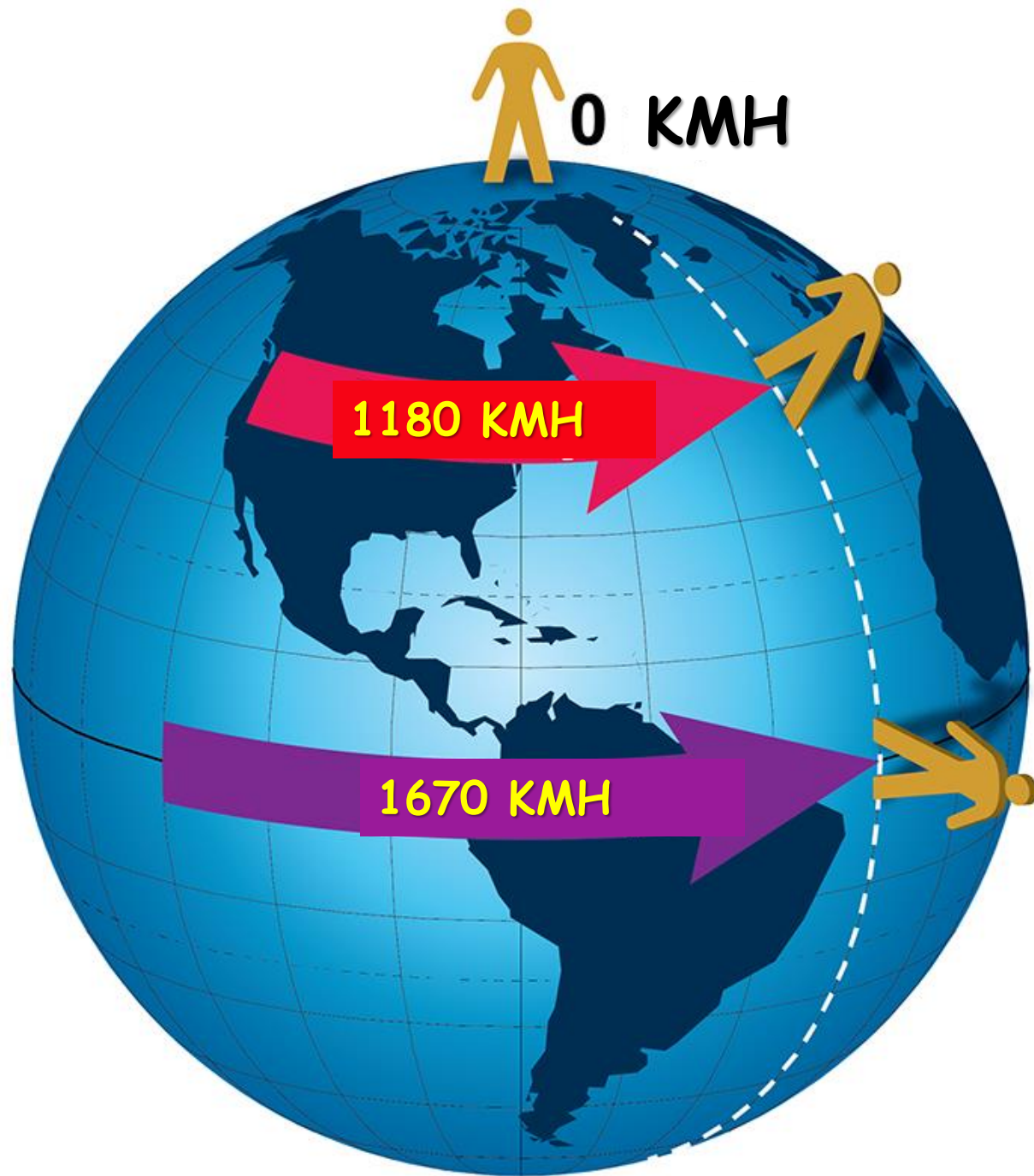


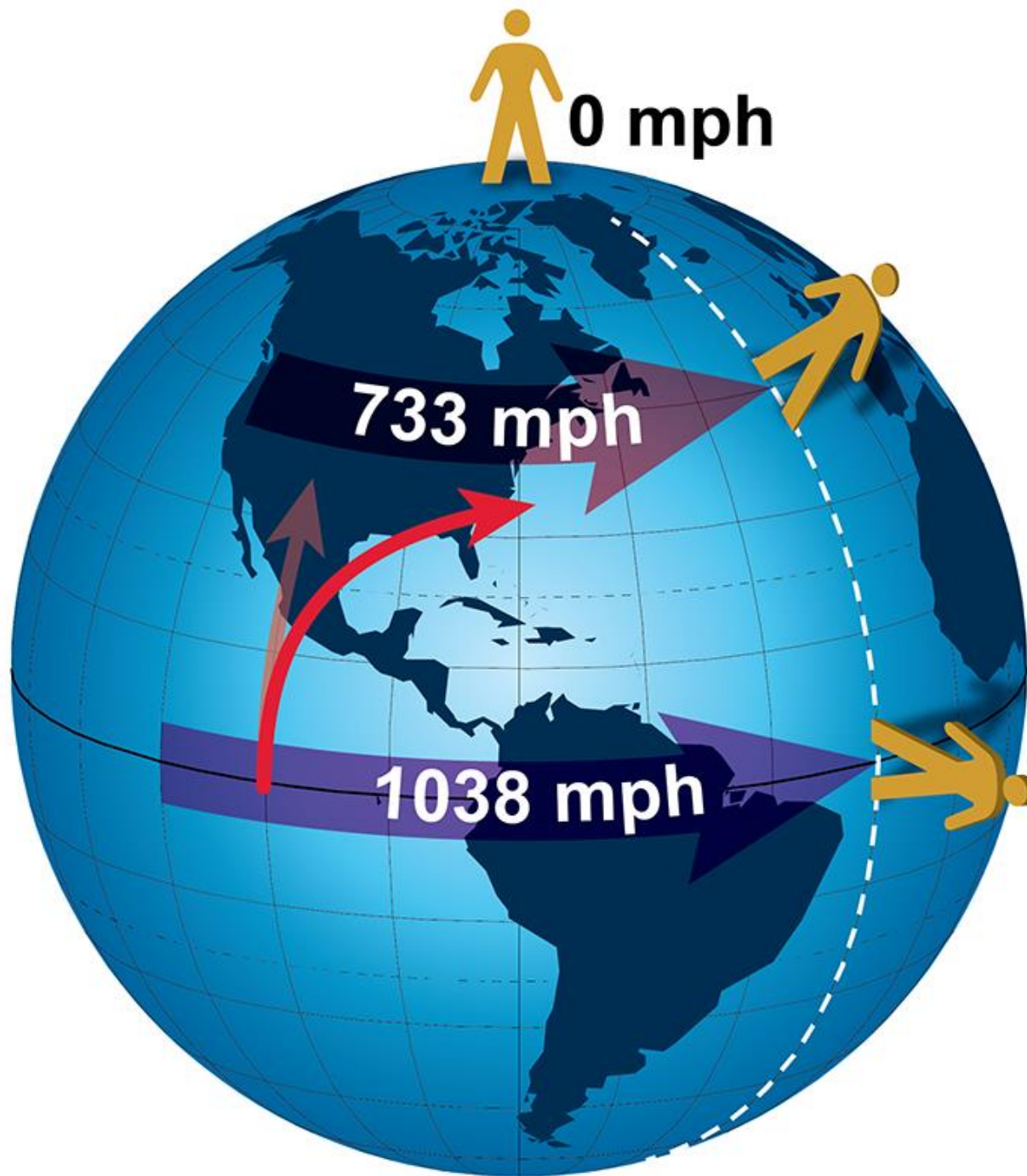


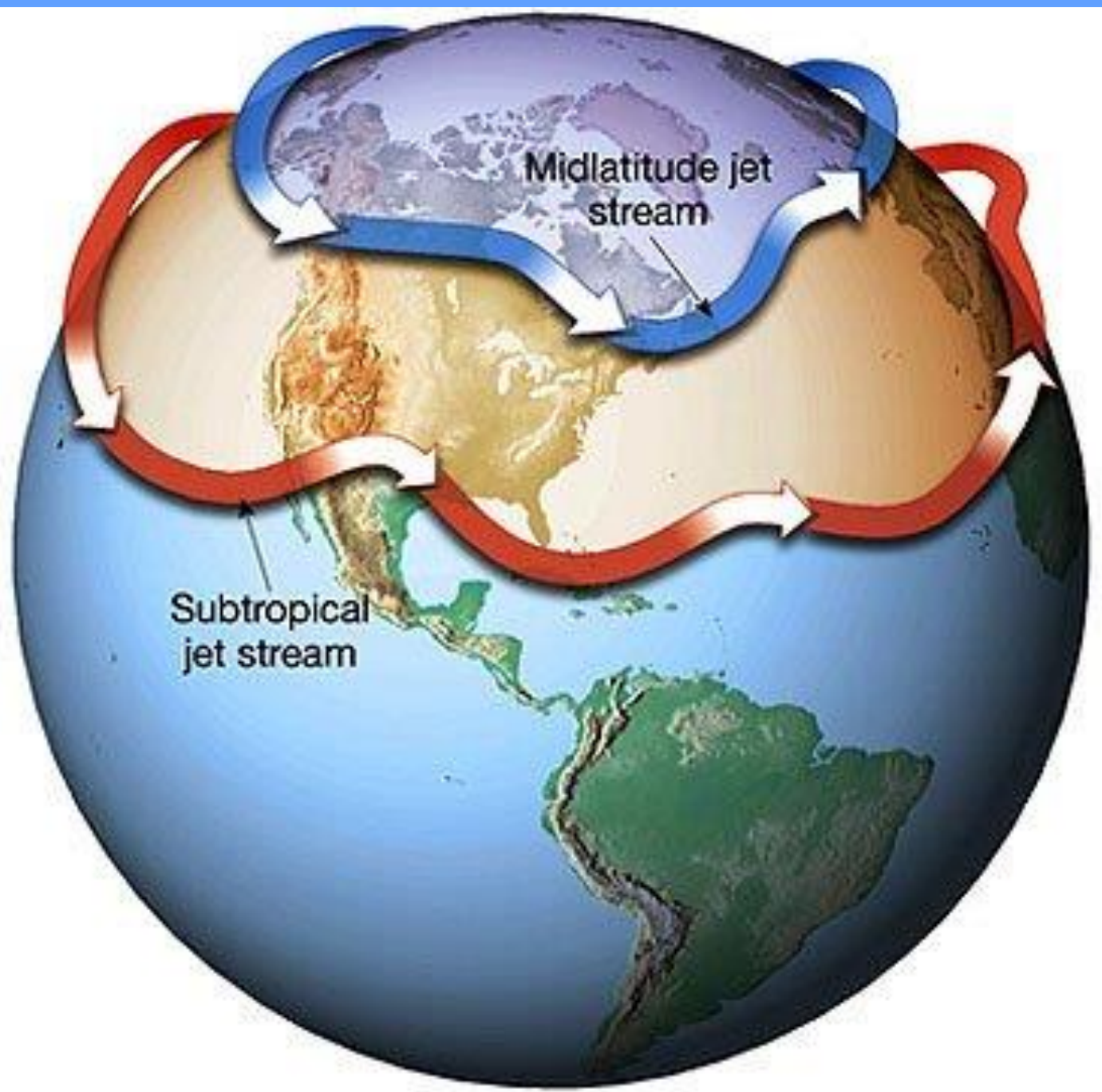


EUMETSAT - SERVIZIO METEOROLOGICO AERONAUTICA MILITARE - MSG EUROPA IR 10.8 - 21/11/2022 13:15 U.T.C.

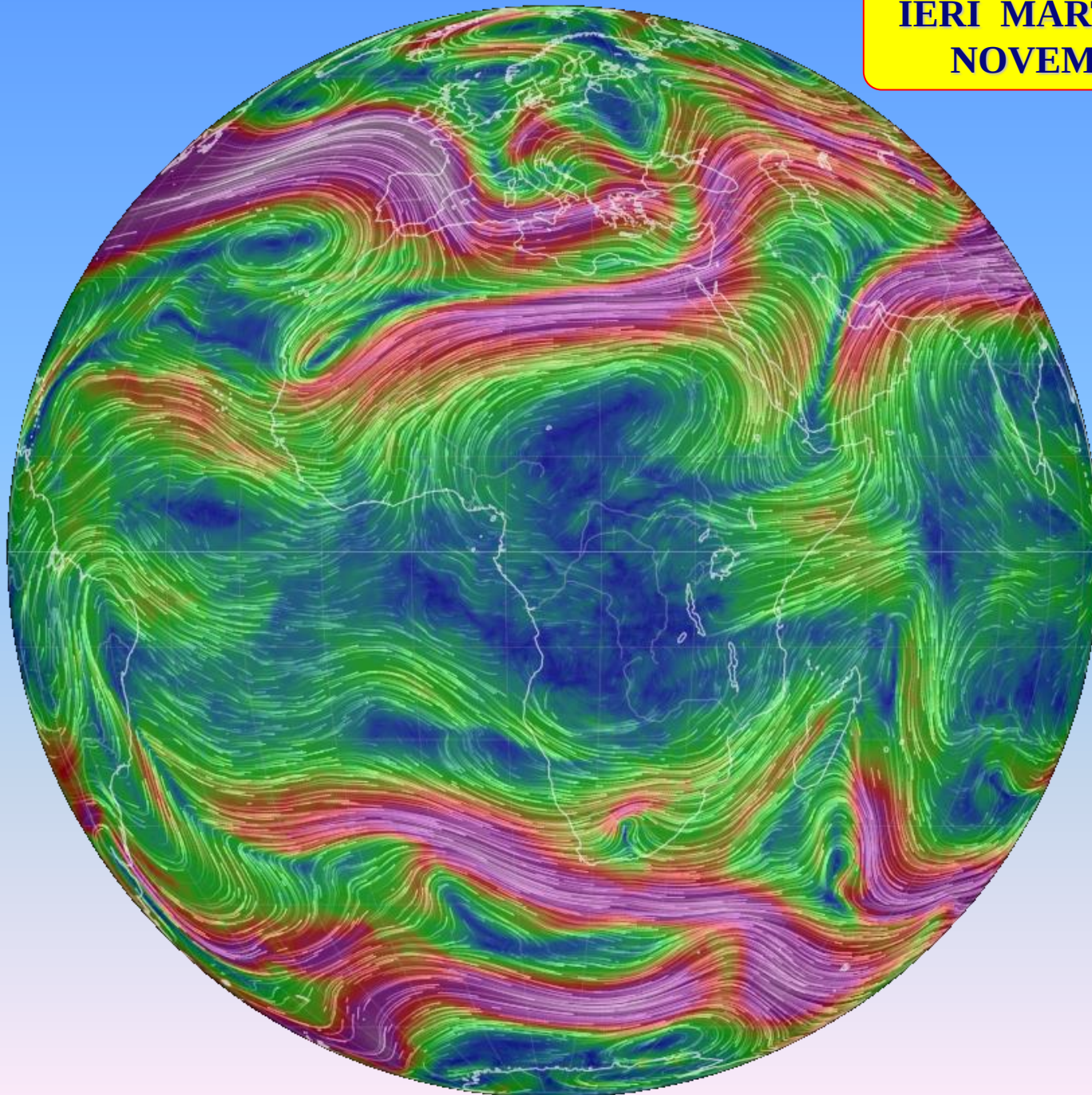




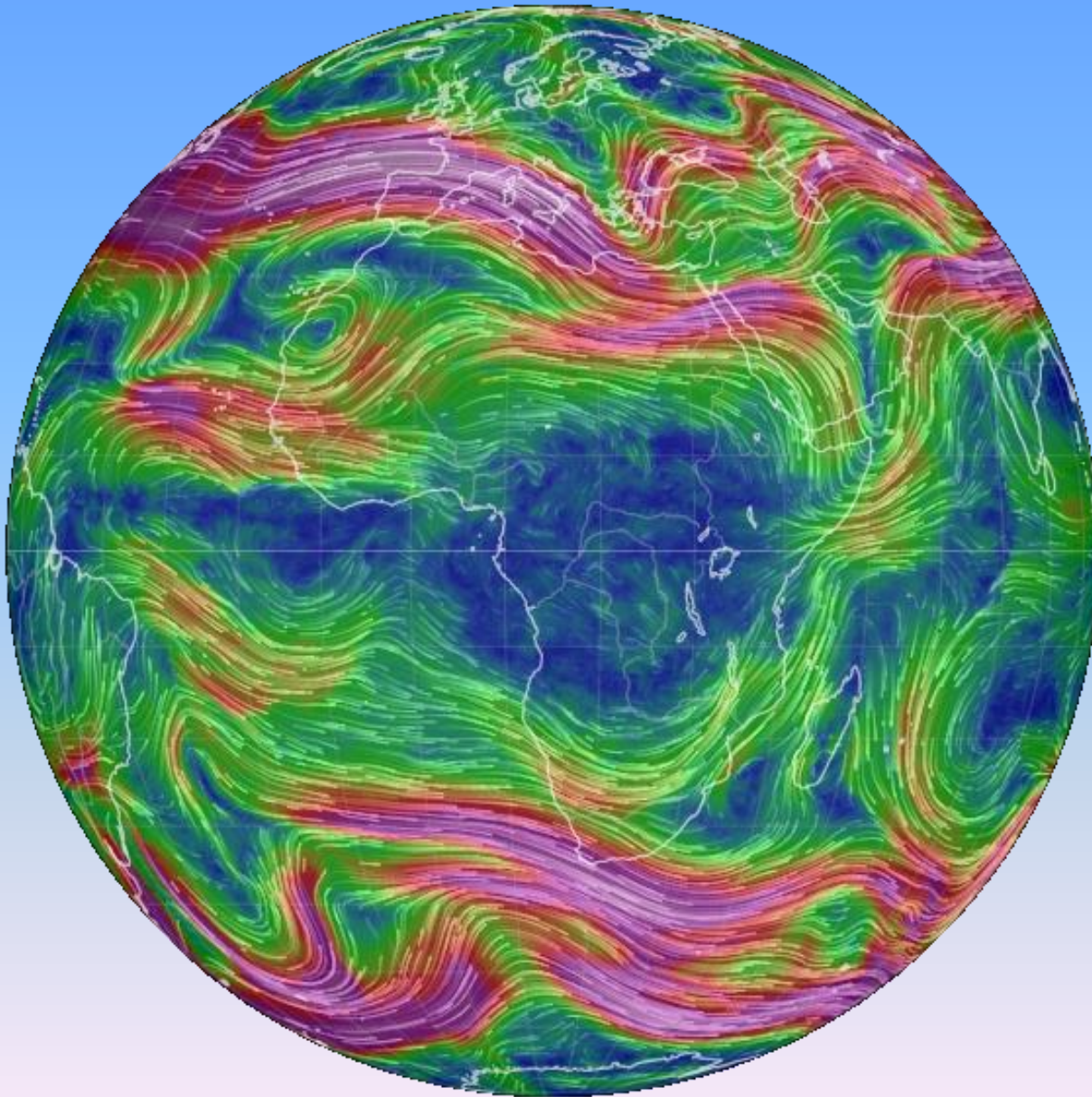


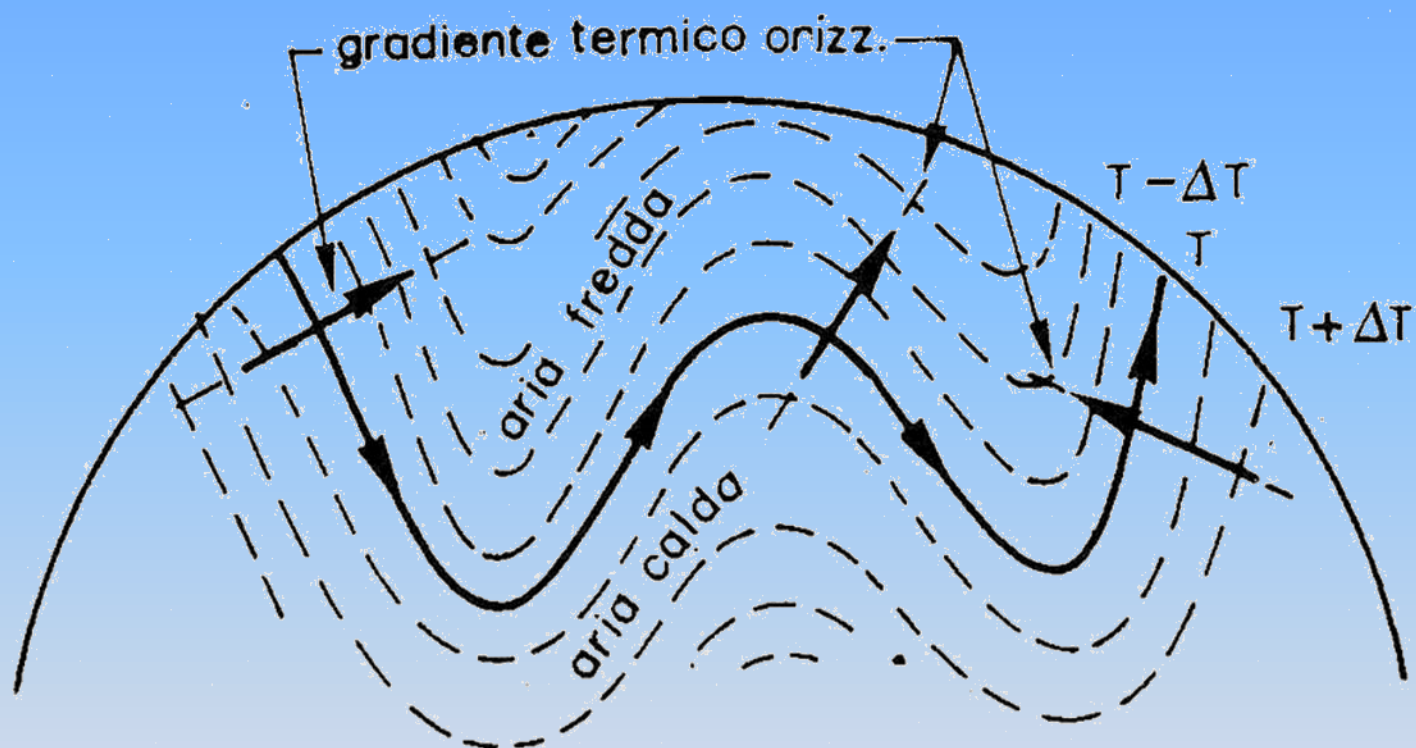


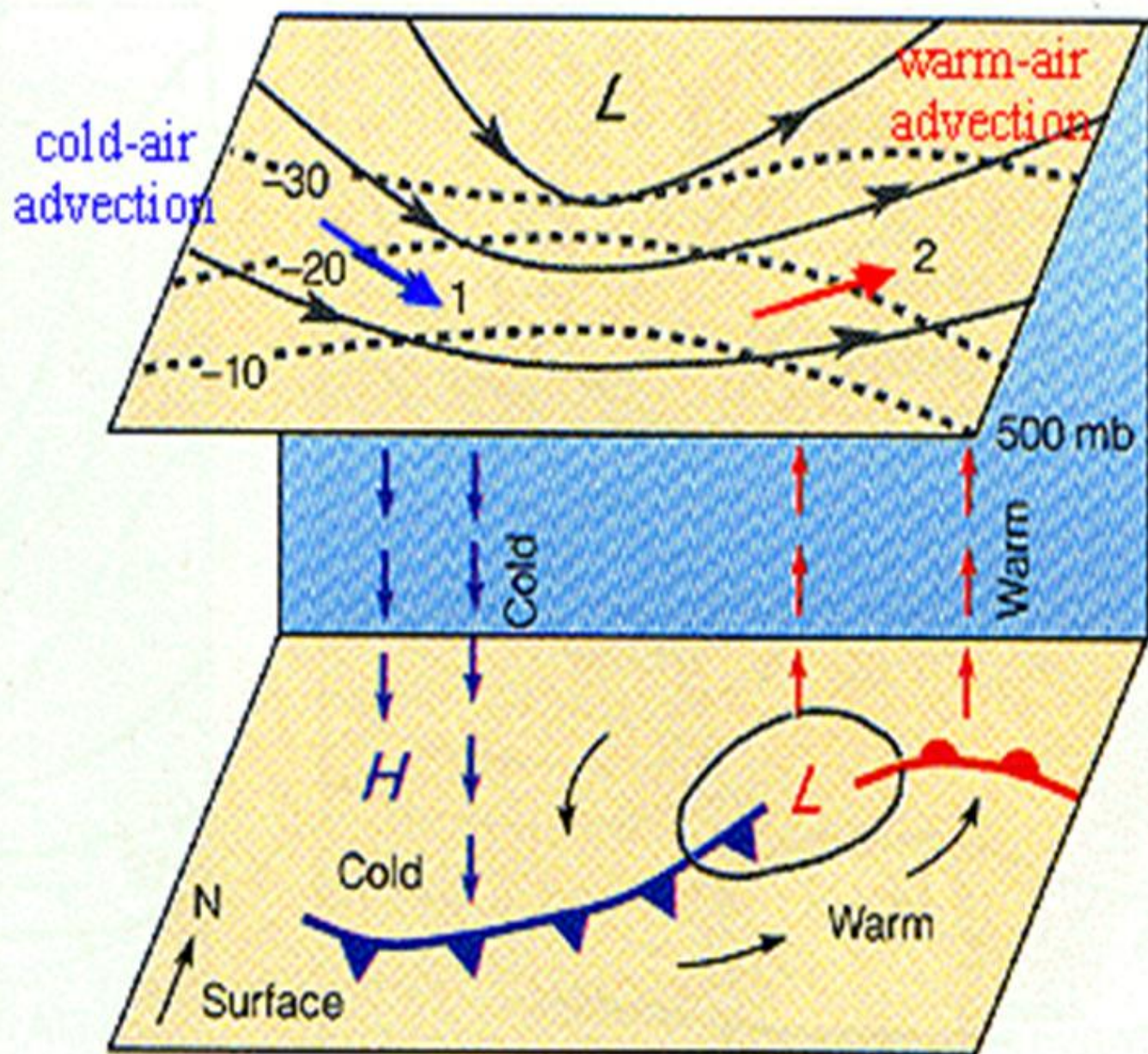
**IERI MARTEDÌ 22
NOVEMBRE**

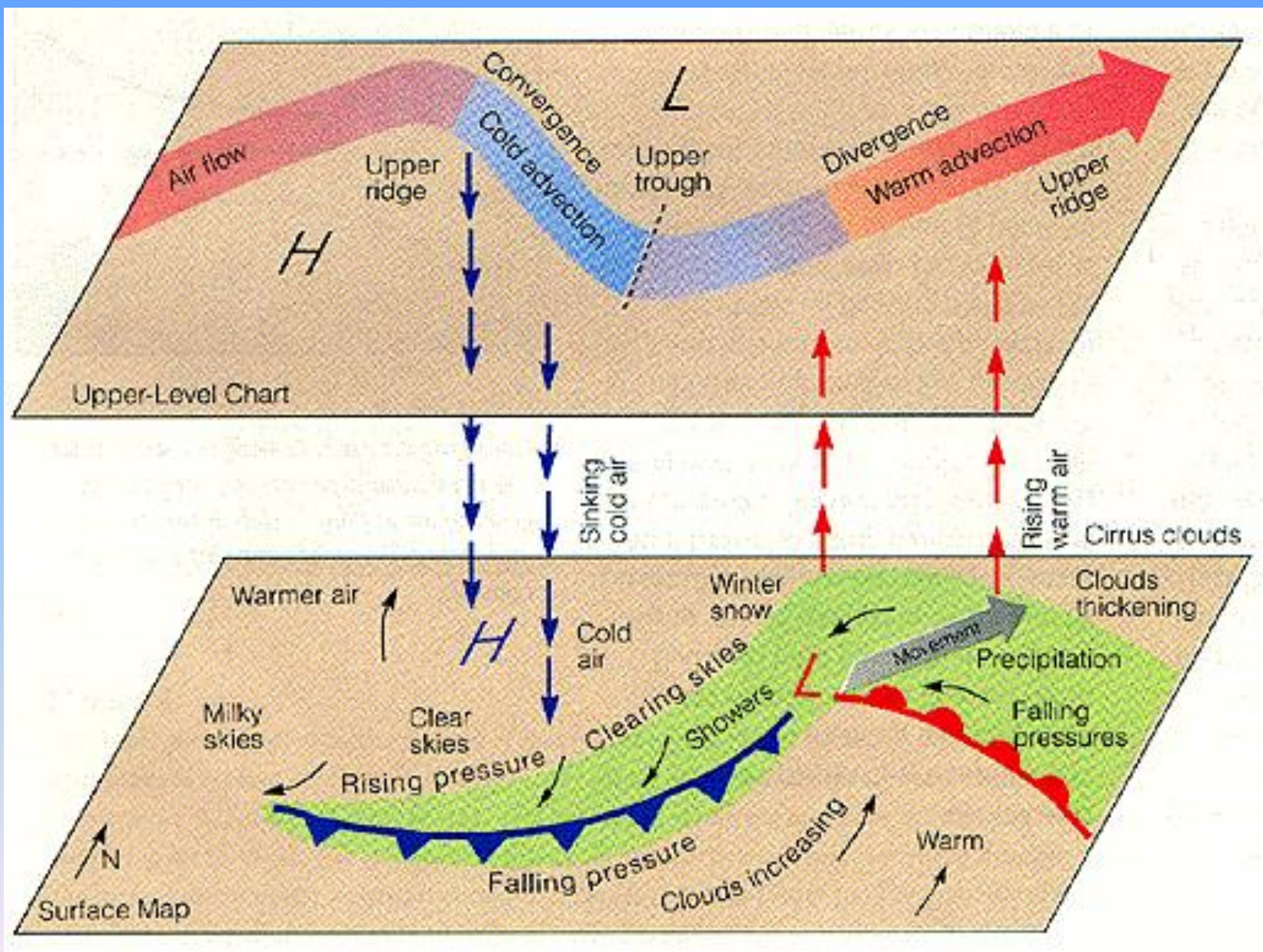


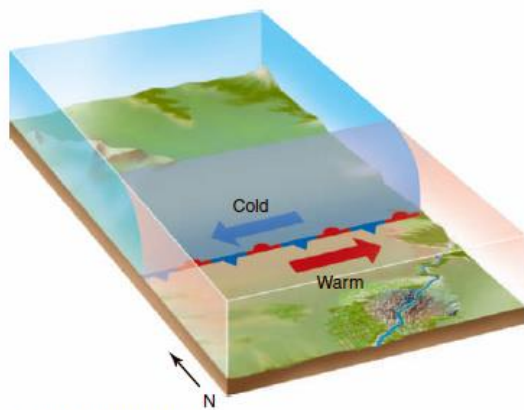
OGGI



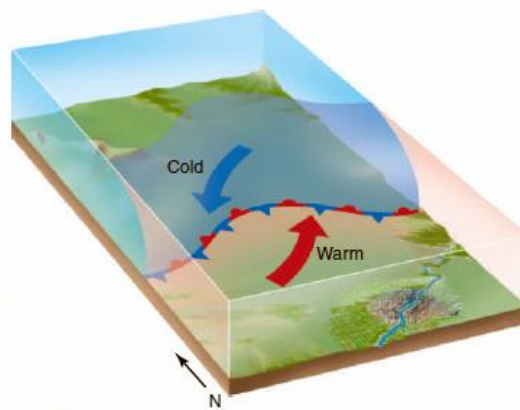




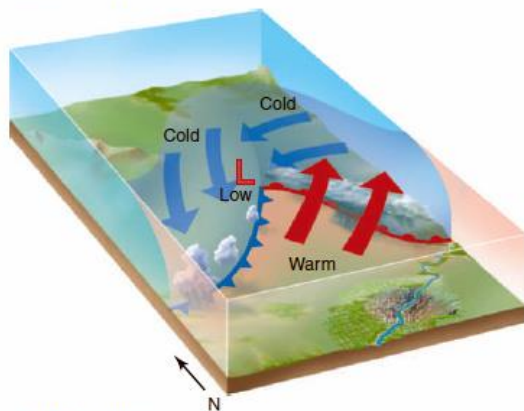




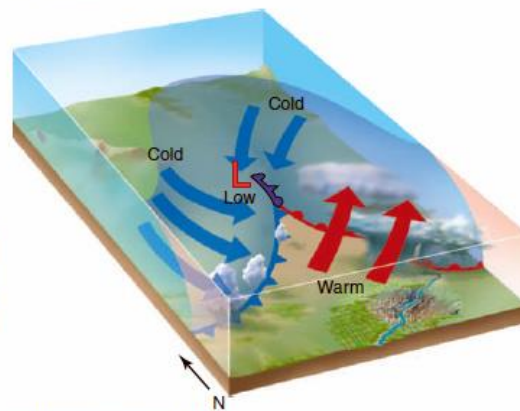
(a) Stationary polar front



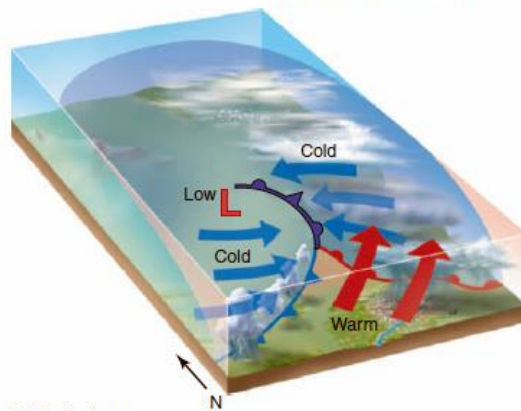
(b) Cyclogenesis



(c) Mature cyclone

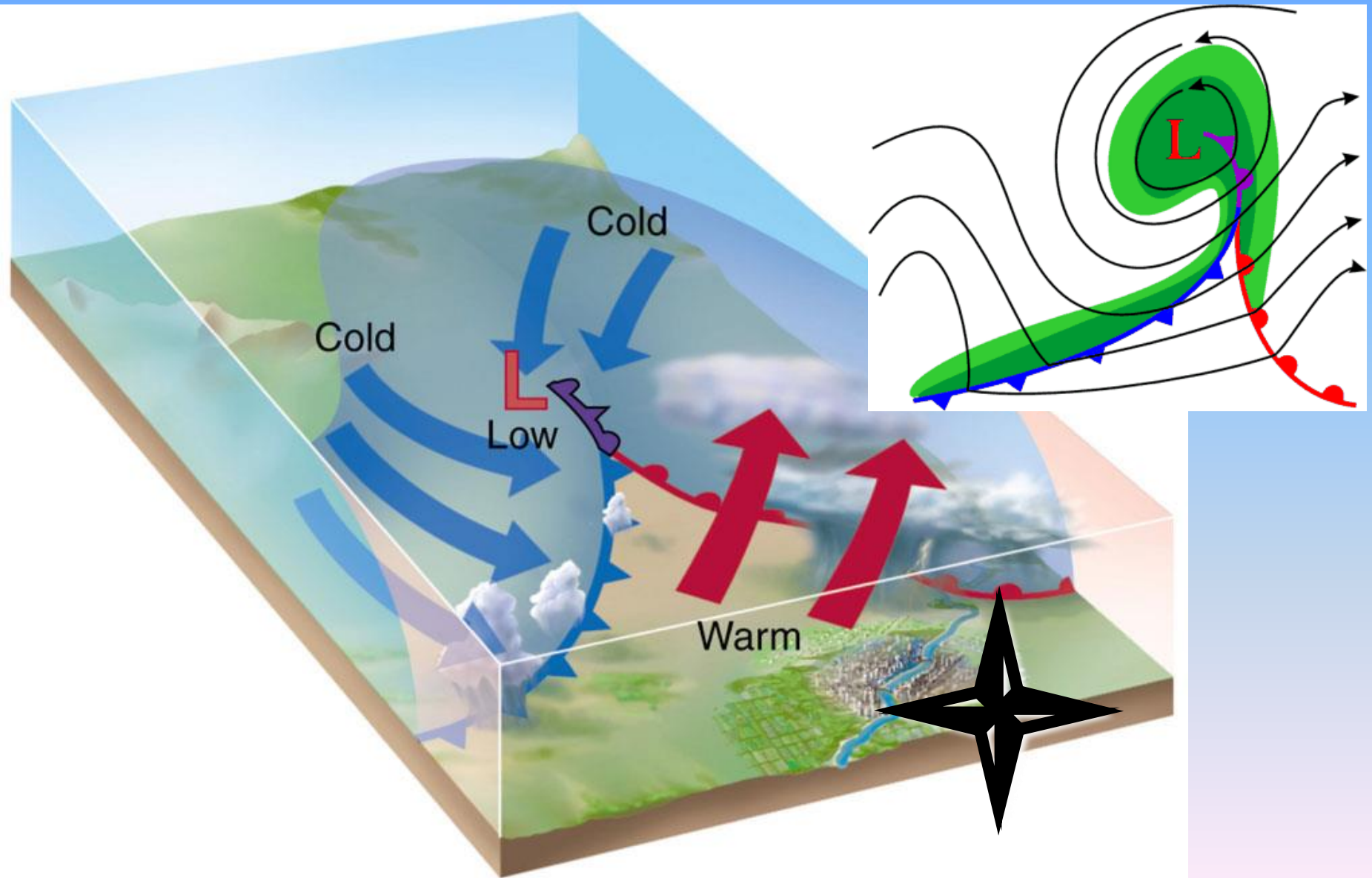


(d) Beginning of occlusion

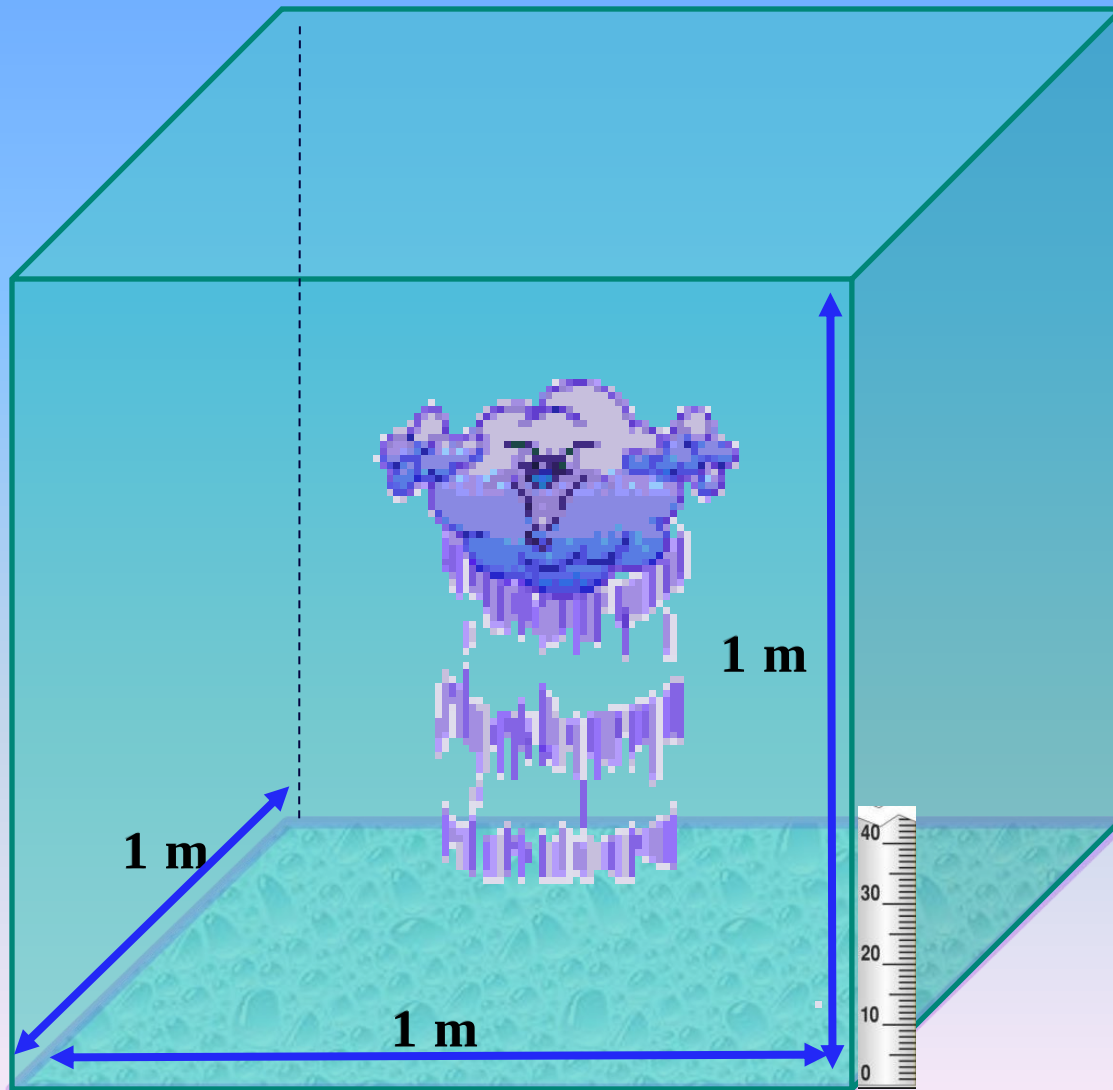


(e) Occlusion

La Teoria del Fronte Polare

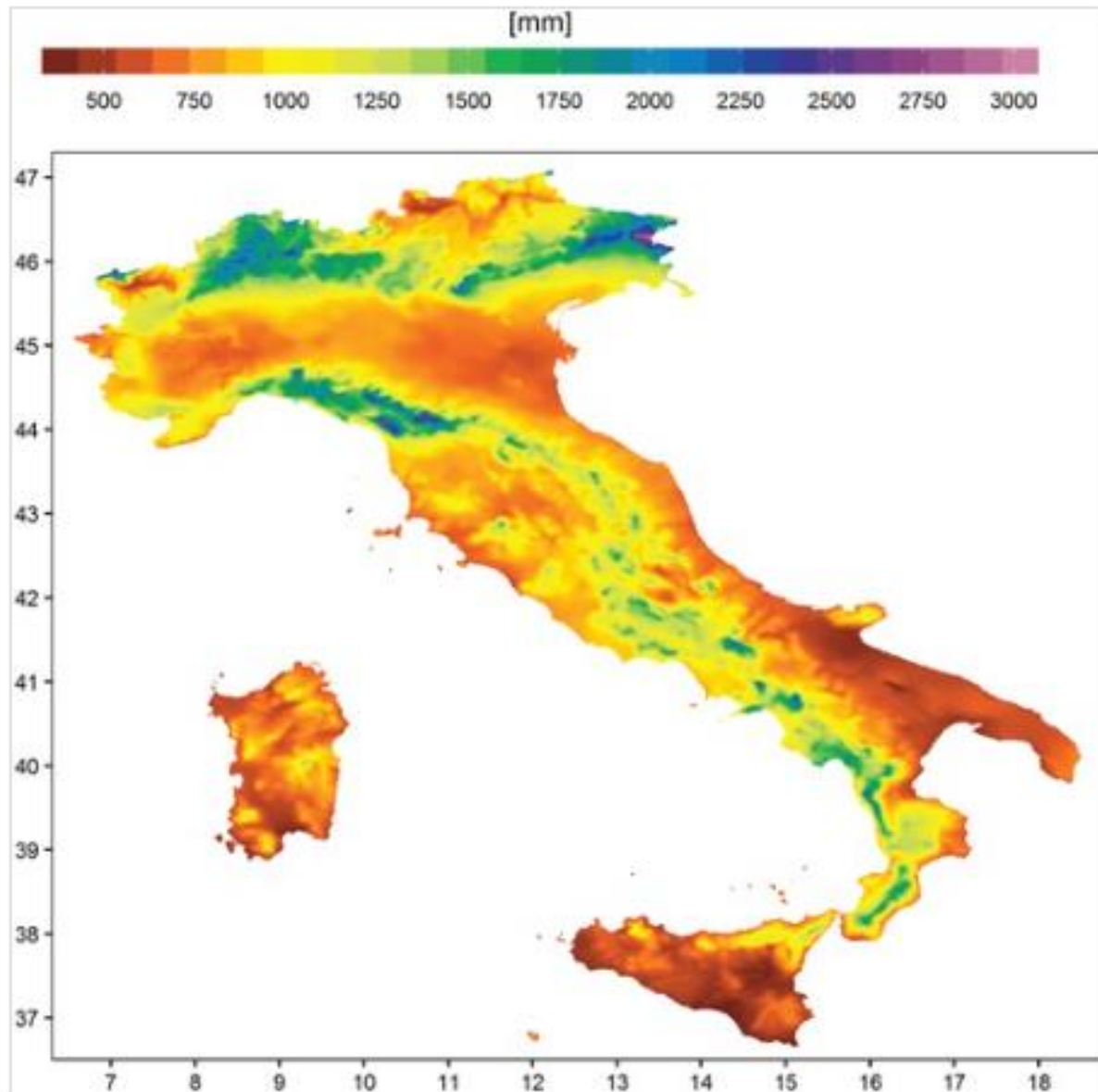


La precipitazione



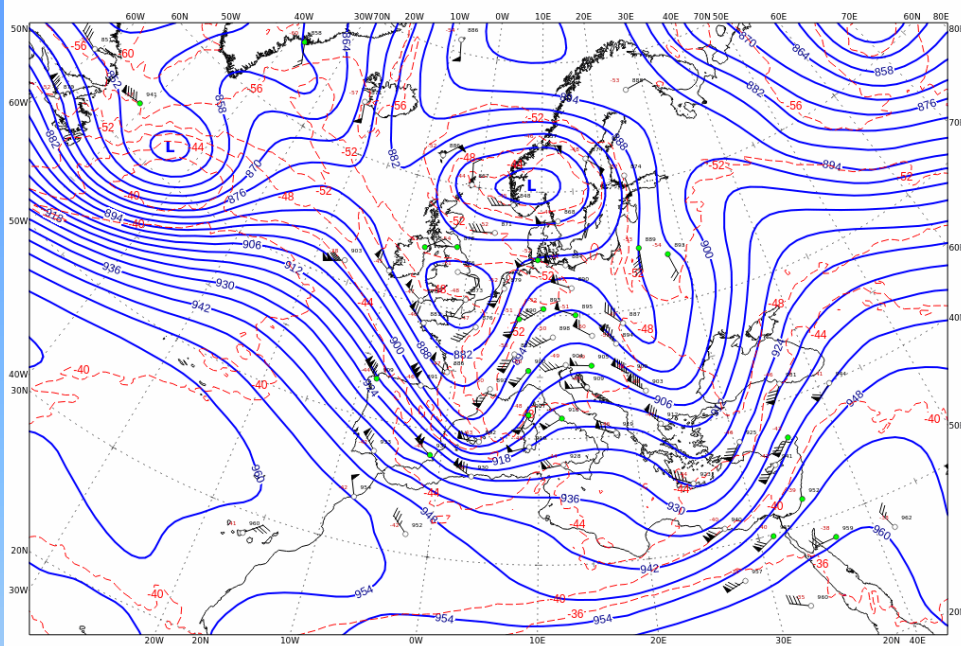
**1 mm pioggia =
1 litro per m²**

Pioggia media annuale

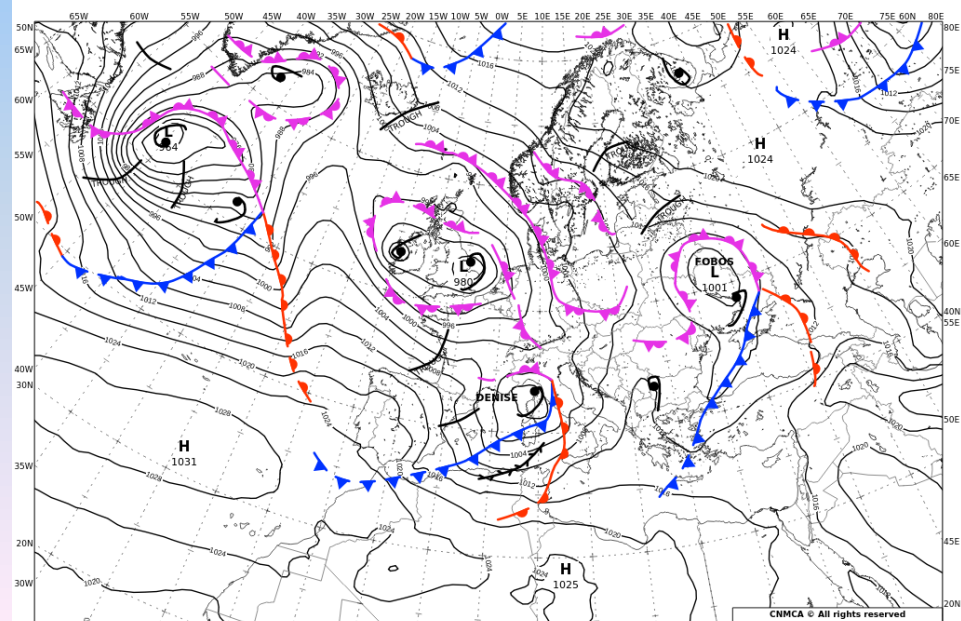


ROME Analysis VT: TUESDAY 22 NOVEMBER 2022 00 UTC

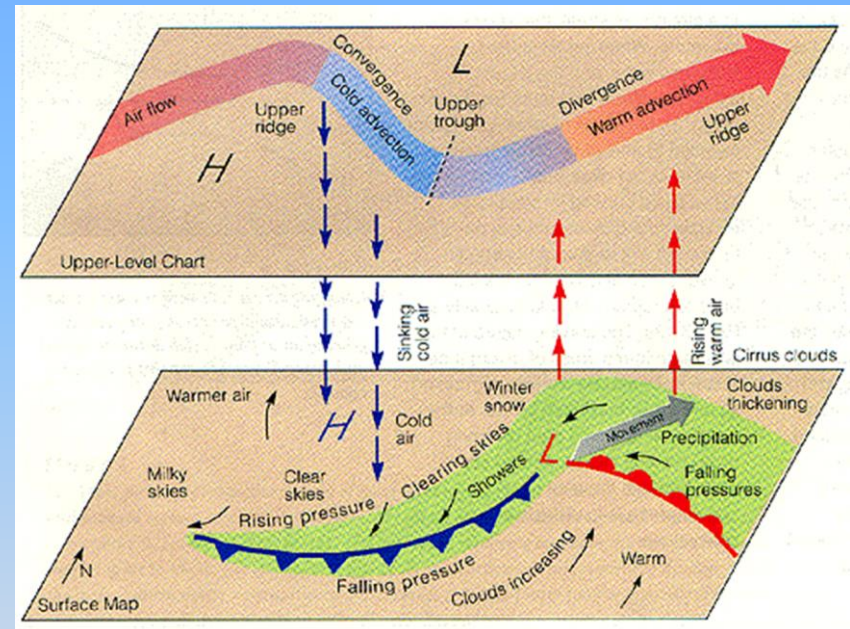
Geopotential at 300hPa + Temperature at 300hPa 3DV



Analysis Chart
Mean Sea Level Pressure (hPa) with Fronts
VT 0000 UTC 22-11-2022

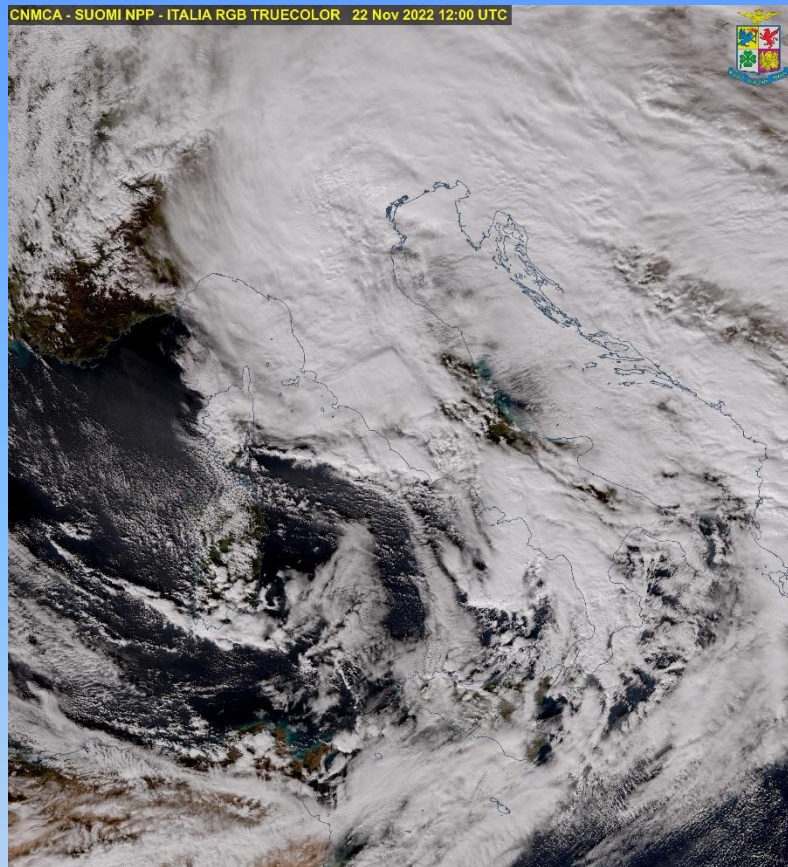


**IERI MARTEDÌ 22
NOVEMBRE**

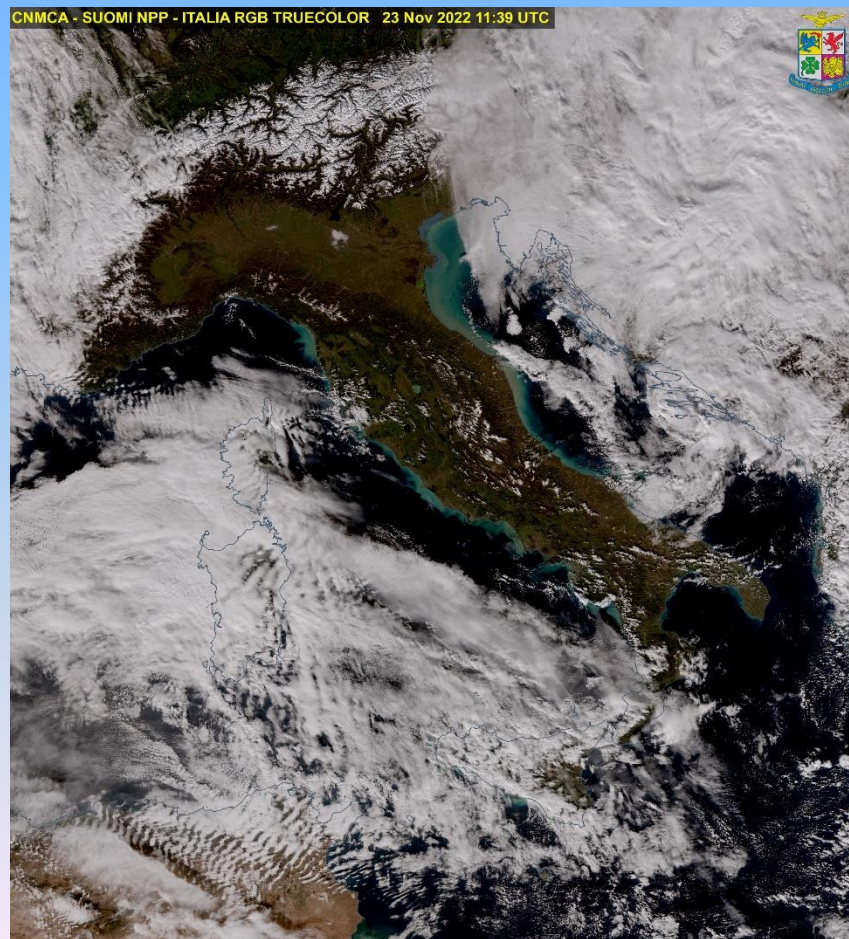




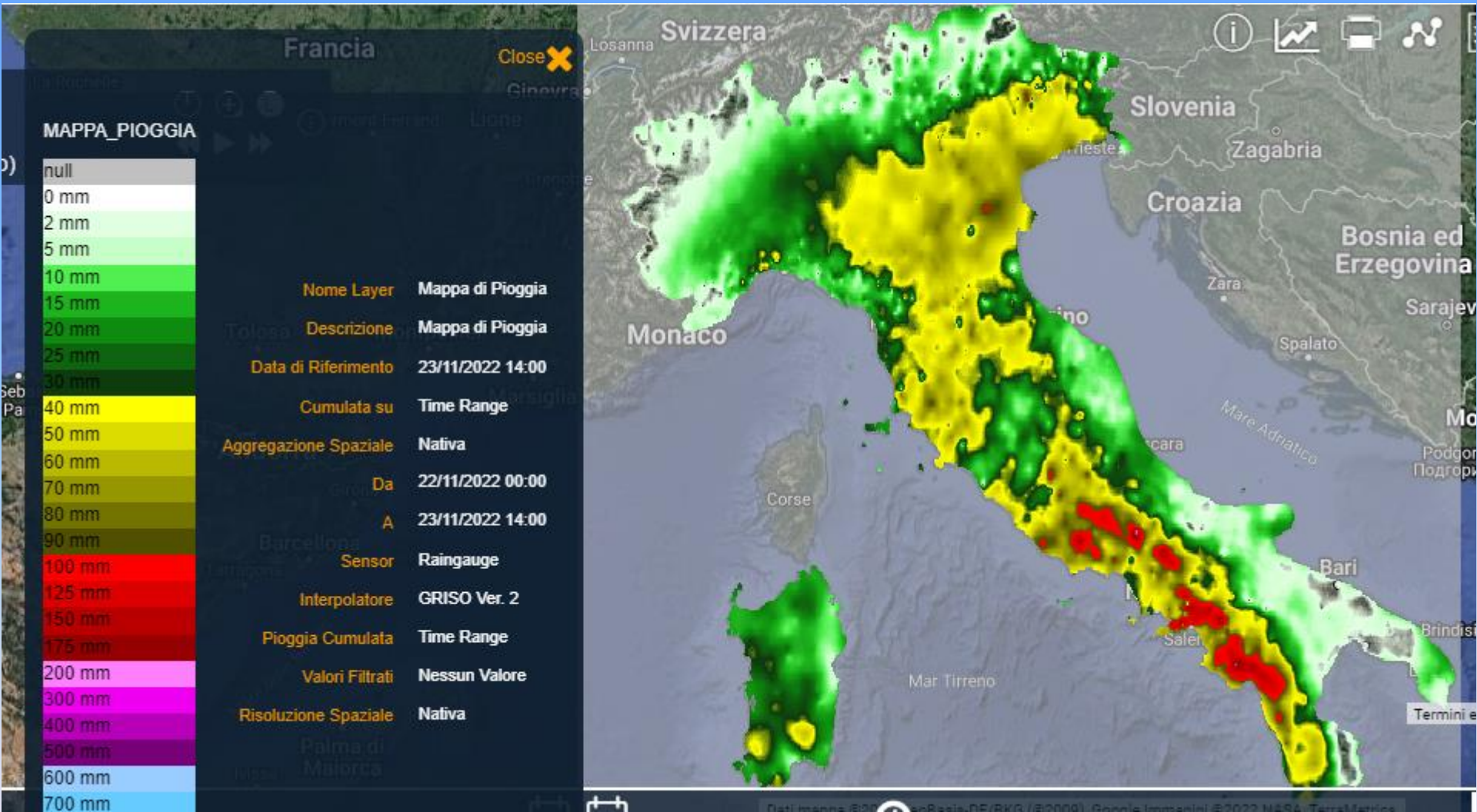
CNMCA - SUOMI NPP - ITALIA RGB TRUECOLOR 22 Nov 2022 12:00 UTC



CNMCA - SUOMI NPP - ITALIA RGB TRUECOLOR 23 Nov 2022 11:39 UTC



Pioggia caduta ieri





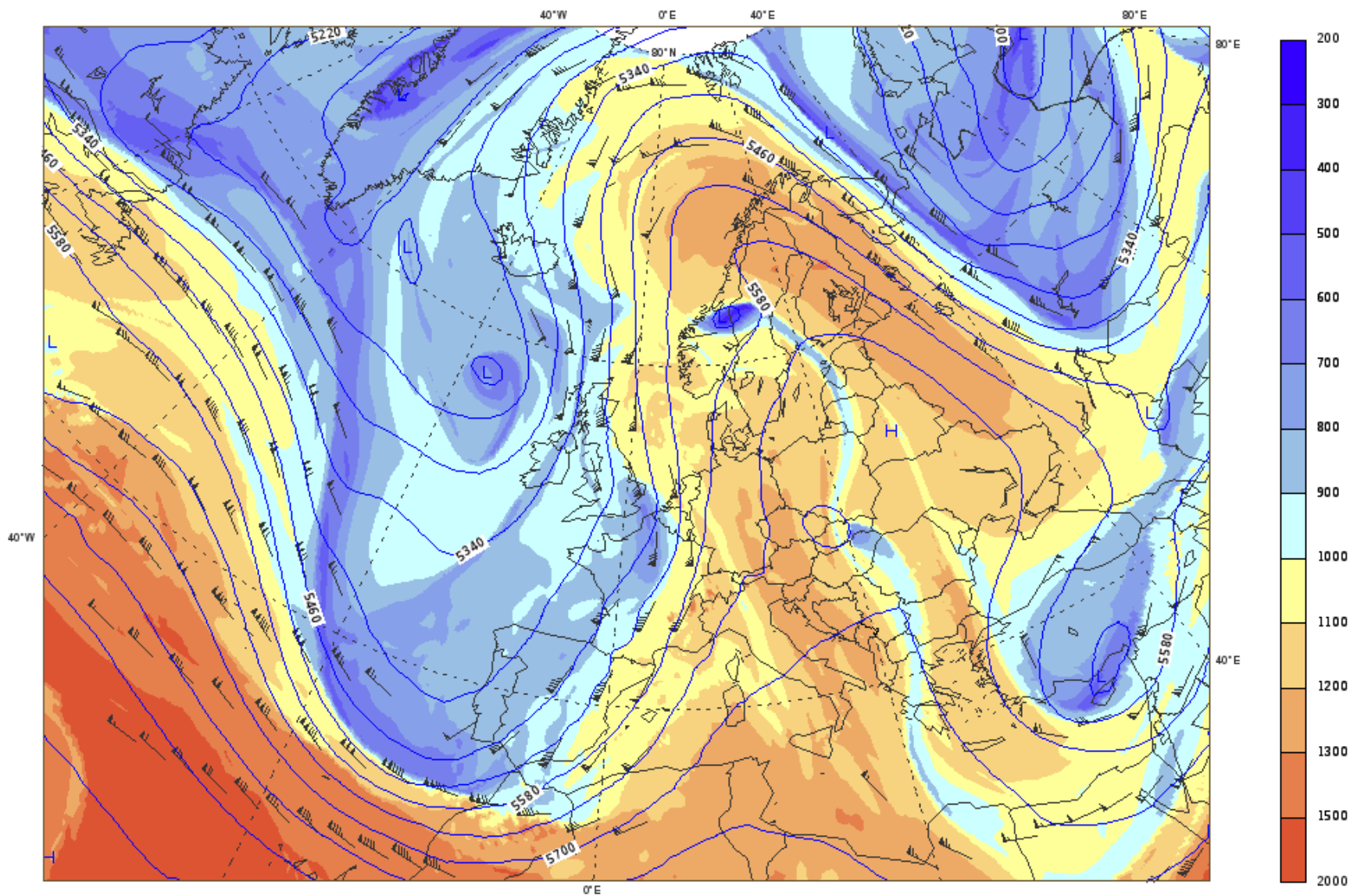
Marche 15 set 2022



12 morti

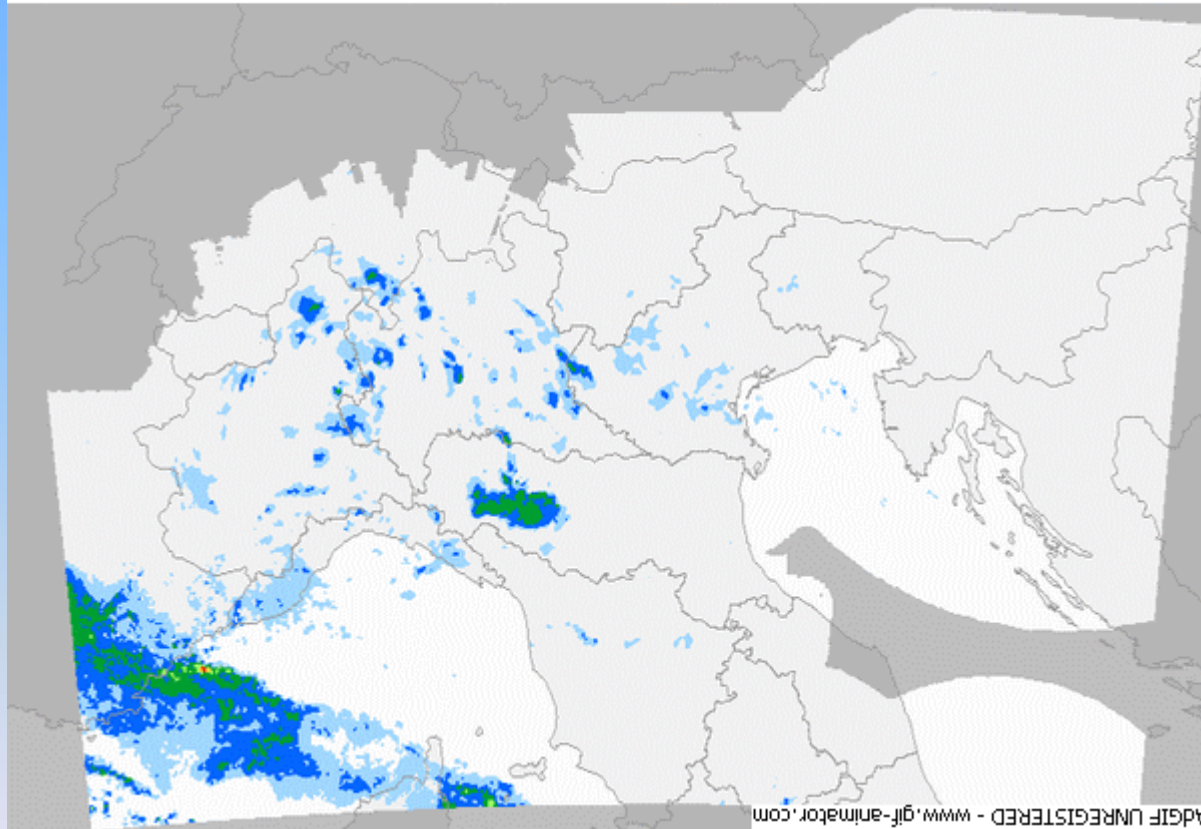
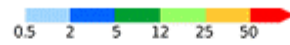


ECMWF 04 Novembre 2011 00UTC Forecast T+6 VT: Venerdì 04 Novembre 2011 06UTC
EUROATLANTICO- Altezza della tropopausa dinamica (dam geop)
Vento a 300 hPa + Geopotenziale a 500 hPa





Nord Italia 05-11-2011 23.30 UTC - Radar SRI (mm/h)



Raffreddamento saturo
0,5 °C ogni 100 metri

Livello di
condensazione

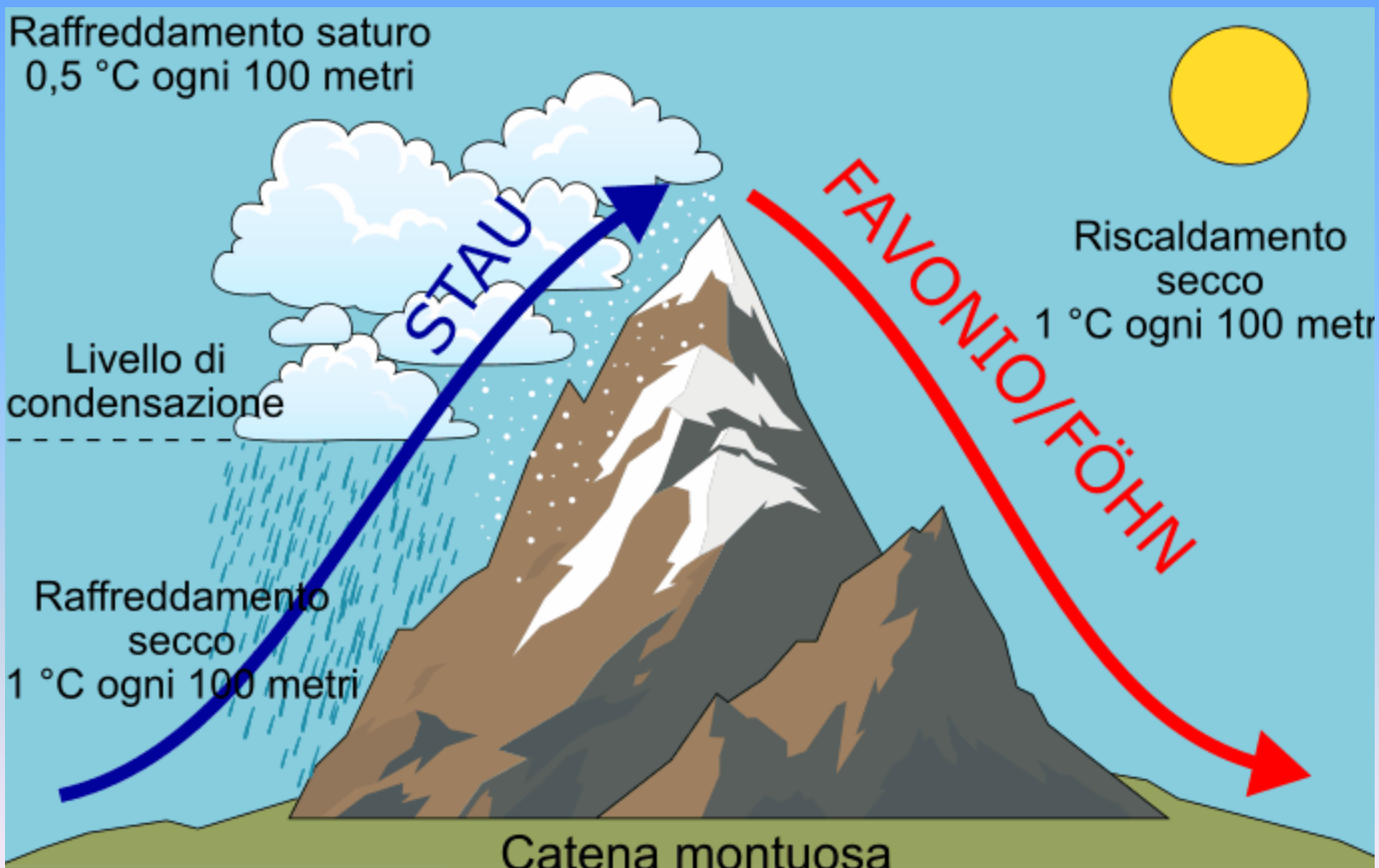
Raffreddamento
secco
1 °C ogni 100 metri

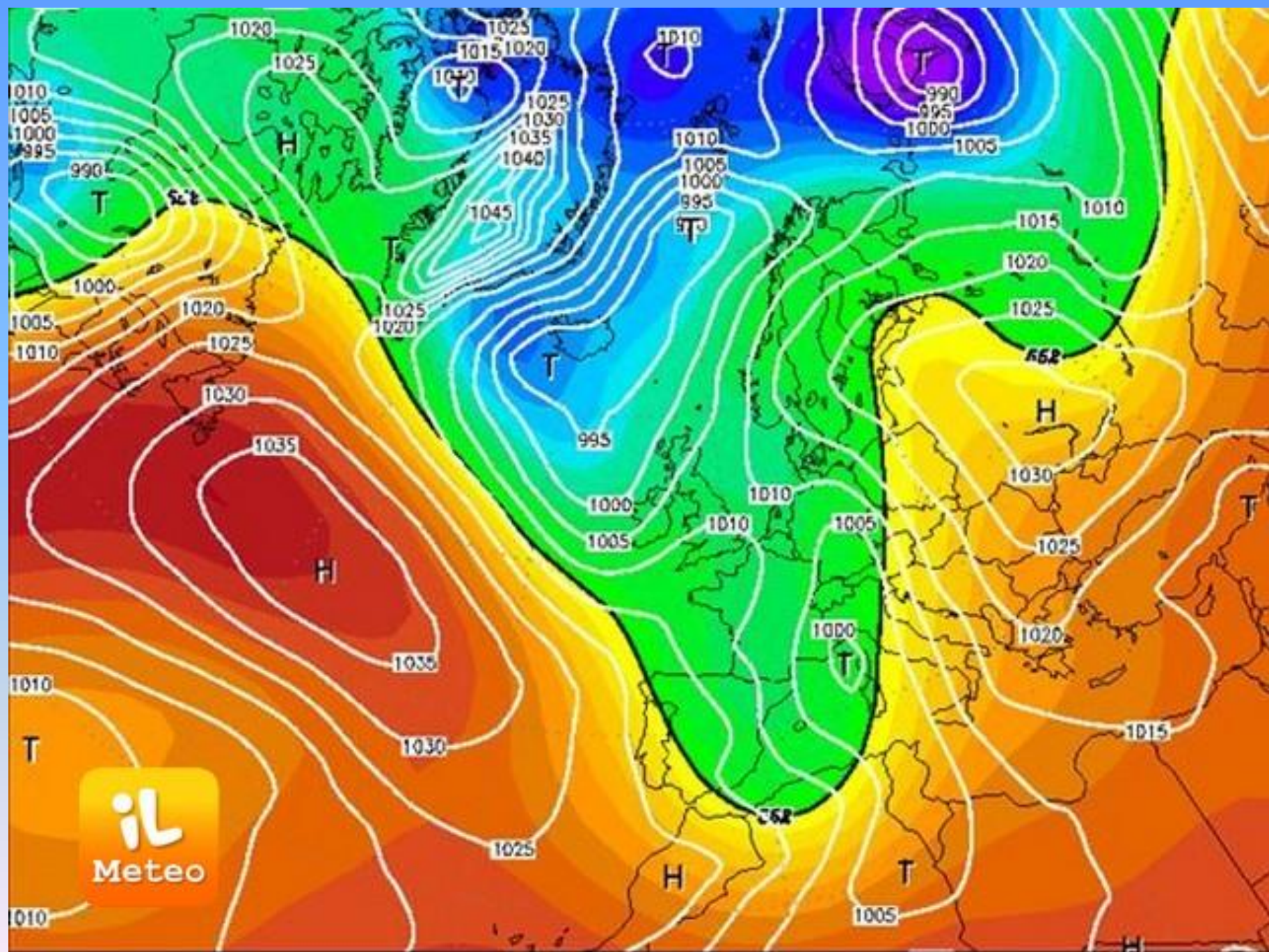
STAU

FAVONIO/FÖHN

Riscaldamento
secco
1 °C ogni 100 metri

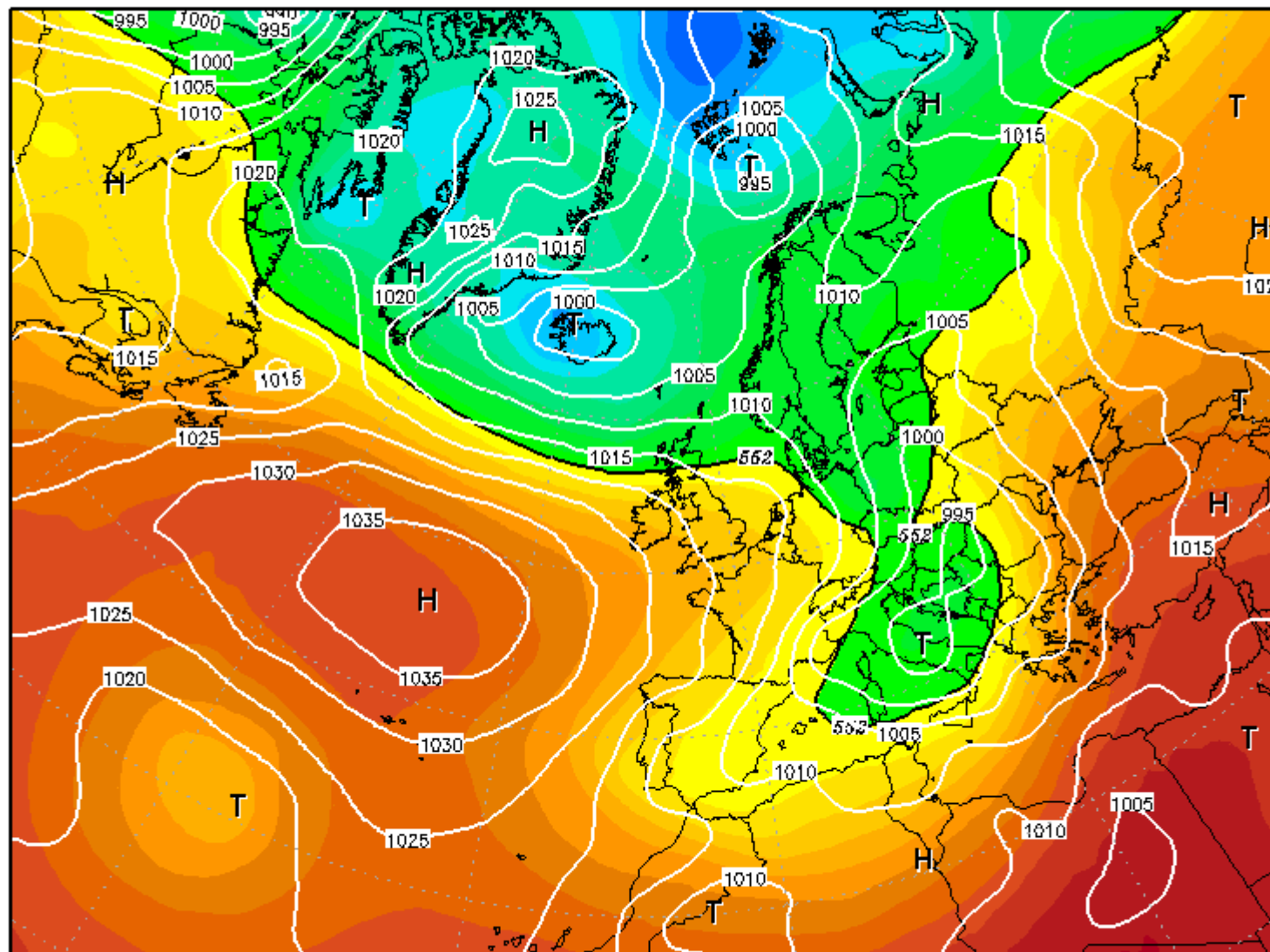
Catena montuosa





04MAY1998 12Z

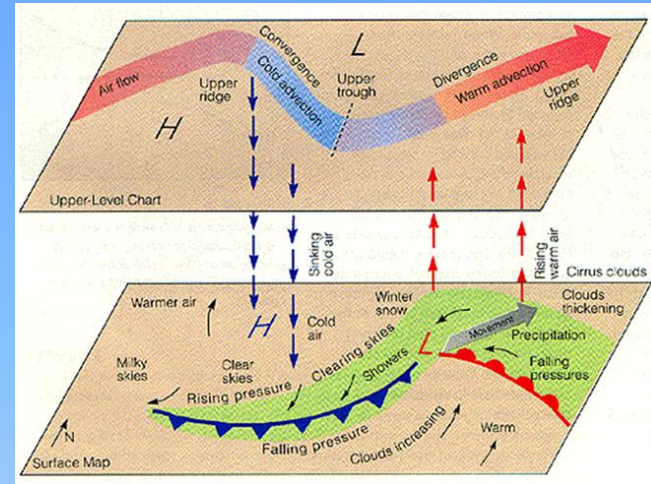
500hPa Geopotential (gpdam), Bodendruck (hPa)



Daten: CFS Reanalysis
(C) Wetterzentrale
www.wetterzentrale.de

SINTESI

COME NASCE UNA PERTURBAZIONE



EVENTI METEO INTENSI

EVENTO DEL 22 NOVEMBRE