

La catena operativa Bolam Moloch nel Centro Funzionale della Regione Liguria di ARPAL

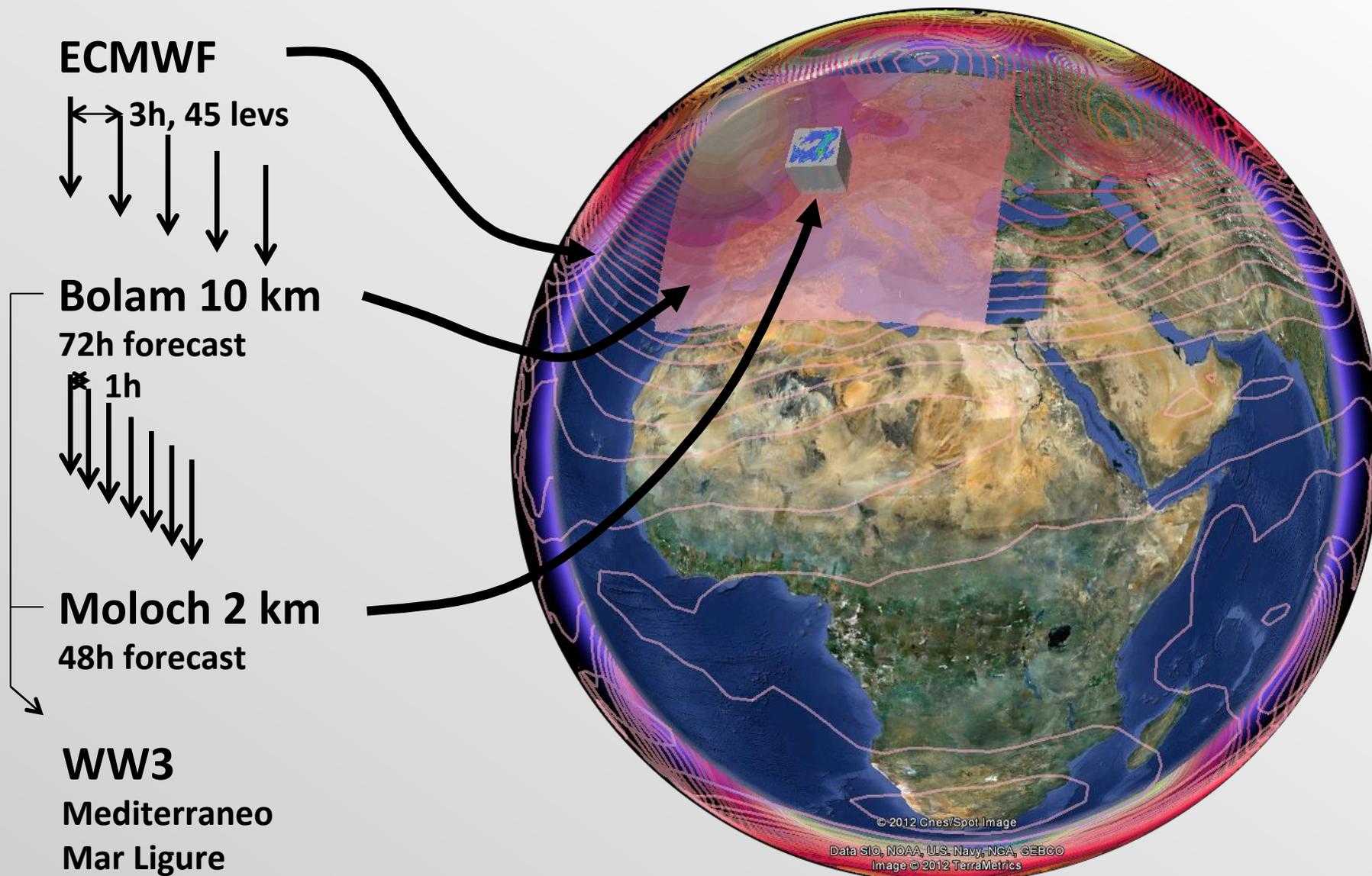
Usa operativo, tool previsionali, esempi di applicazione

Davide Sacchetti, Matteo Corazza

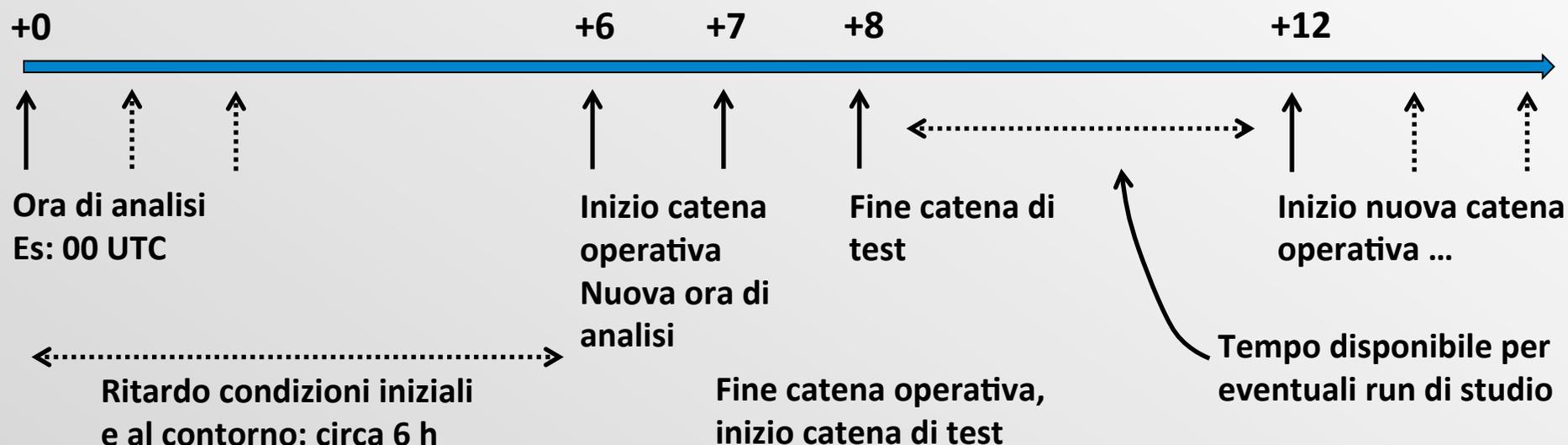
CFMI-PC ARPAL, Genova

In collaborazione con ISAC-CNR, Bologna





4 corse al giorno: 00, 06, 12, 18 UTC



Ambiente GNU/Linux CentOS: 5 host dotati di processore Intel 17-980X 4.20GHz, per un totale di 30 core:

- 72 ore di forecast bolam (362 x 322 punti griglia su 45 livelli): 10 minuti di integrazione
- 48 ore di forecast moloch (206 x 202 punti griglia su 50 livelli): 40 minuti di integrazione
- 72 ore di integrazione ww3: circa 5 minuti di integrazione

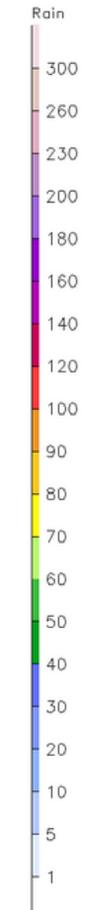
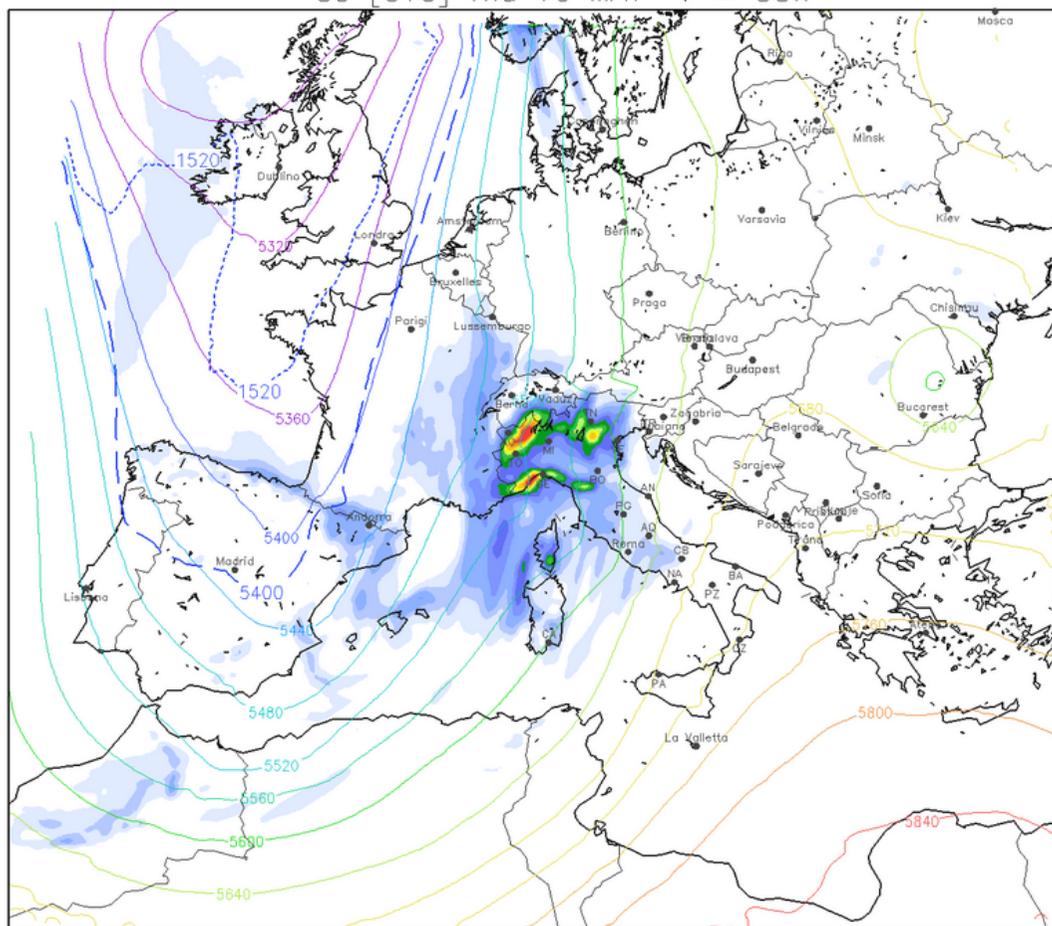
Senza titolo - Chromium

servizi-meteoiguria.arpal.gov.it/MAPPE/mappe.php

- BOLAM Europe
- TPrec12
- OMSLP
- OThetaE@850
- OTCLOUDC
- OKIndex
- ODivergence
- OTemp@500
- OHMA@700
- OHMA@850
- OzeroT
- ORVort@500
- Osec@LON
- Osec@LAT
- Olines
- Osection

Archivio (yyyymmddhh):

ARPAL (Genoa, Italy) - ISAC-CNR (Bologna, Italy)
12h total precipitation [mm (12h)⁻¹], GH500 [m], 500-1000 Thick. (5400 m), 700-850 Thick. (1520 m)
09 [UTC] Thu 16 MAY $\tau = 33h$



Model: bolam Resolution: 0.127°x0.090° Analysis: 00Z15MAY2013

Senza titolo - Chromium

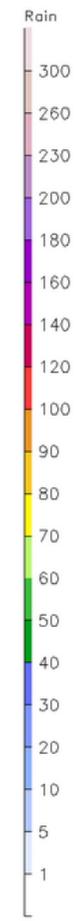
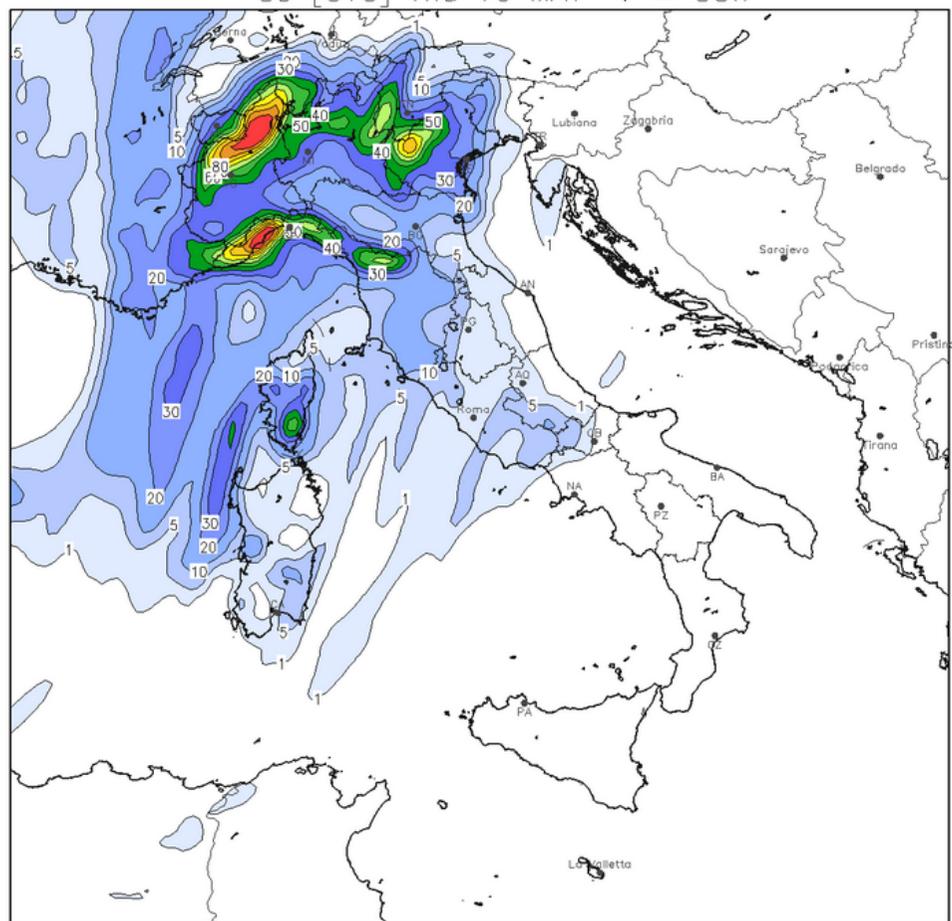
servizi-meteoliguria.arpal.gov.it/MAPPE/mappe.php?pagina=7

- BOLAM Italy
- Temp@2m
- TPrec3
- TPrec12
- SnowF3
- TCloudC
- HMA@700
- HMA@850
- Winds@10m
- section

Archivio
(yyymmddhh):

MENU

ARPAL (Genoa, Italy) - ISAC-CNR (Bologna, Italy)
12h total precipitation [mm (12h)⁻¹], 500-1000 Thick. (5400 m), 700-850 Thick. (1520 m)
09 [UTC] Thu 16 MAY $\tau = 33h$



Model: bolam Resolution: 0.127°x0.090° Analysis: 00Z15MAY2013

Senza titolo - Chromium

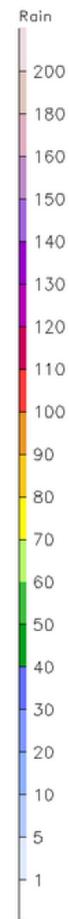
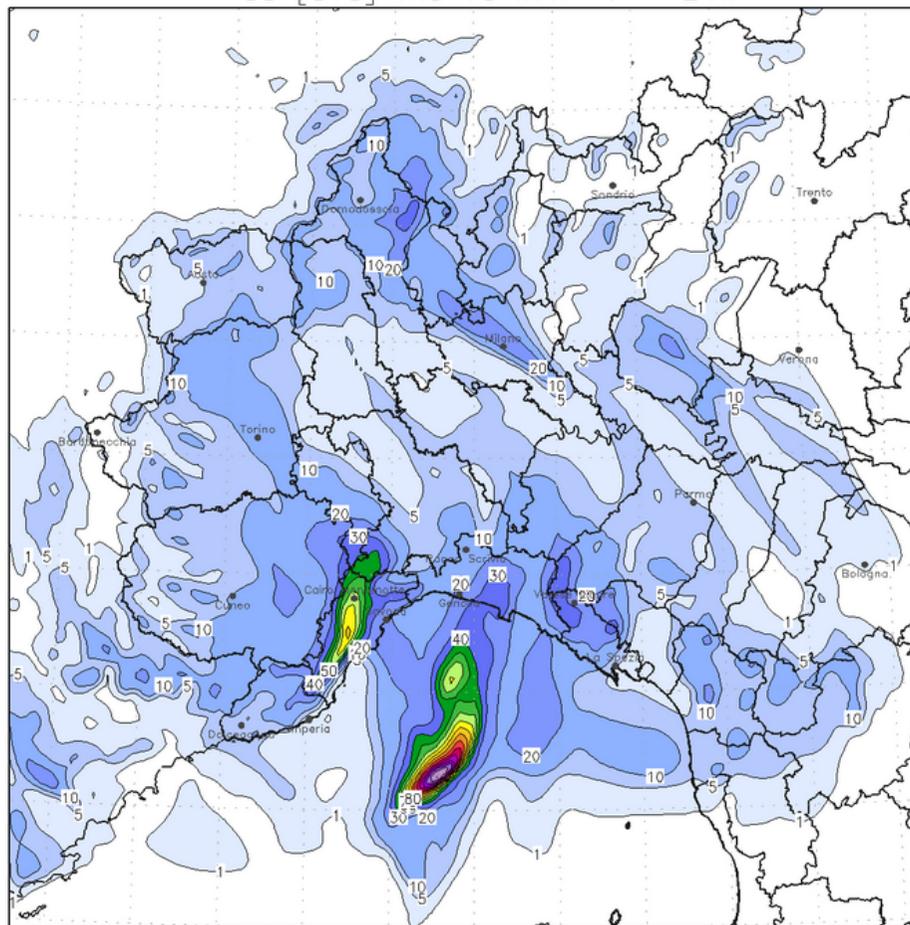
servizi-meteorologia.arpal.gov.it/MAPPE/mappe.php?pagina=7

MOLOCH N. Italy

- TPrec3
- SnowF3
- TCloudC
- Temp@2m
- OHMA@700
- OHMA@850
- Winds@10m
- sec@LON
- sec@LAT
- lines
- section

Archivio
(yyyymmddhh):

ARPAL (Genoa, Italy) - ISAC-CNR (Bologna, Italy)
3h total precipitation [mm (3h)⁻¹]
00 [UTC] Thu 16 MAY $\tau = 24h$



Model: **moloch** Resolution: 0.028°x0.020° Analysis: 00Z15MAY2013

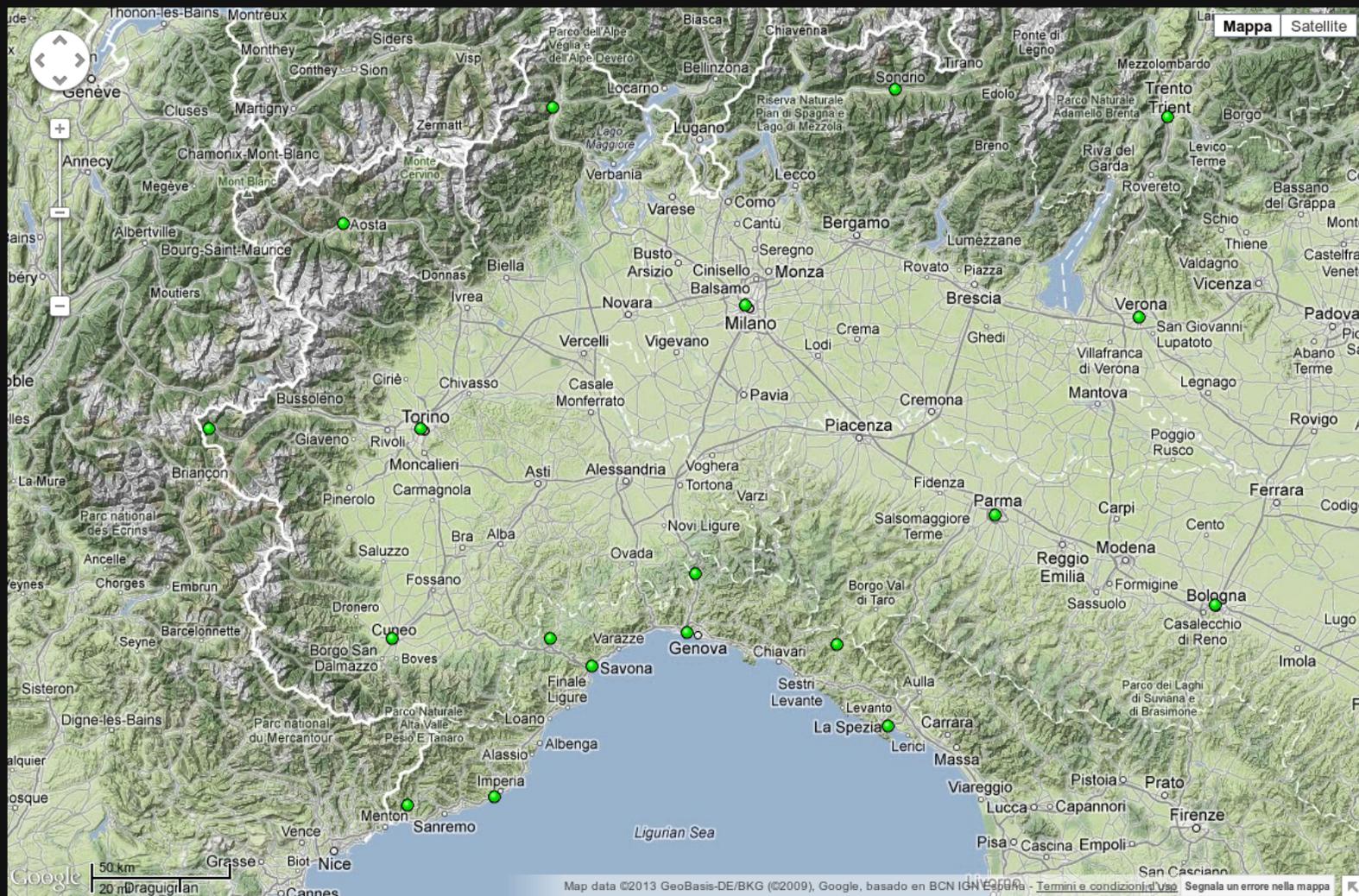
Senza titolo - Chromium

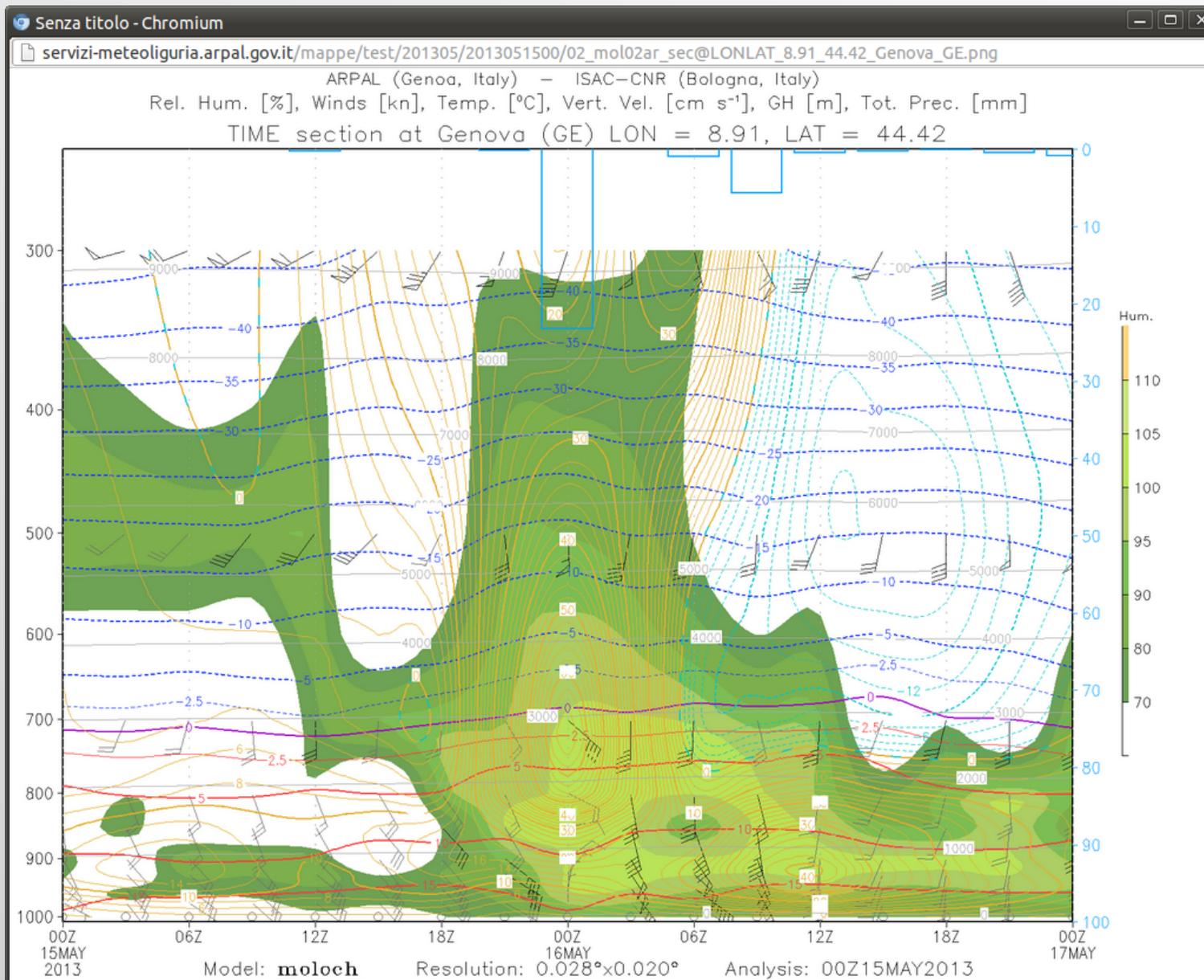
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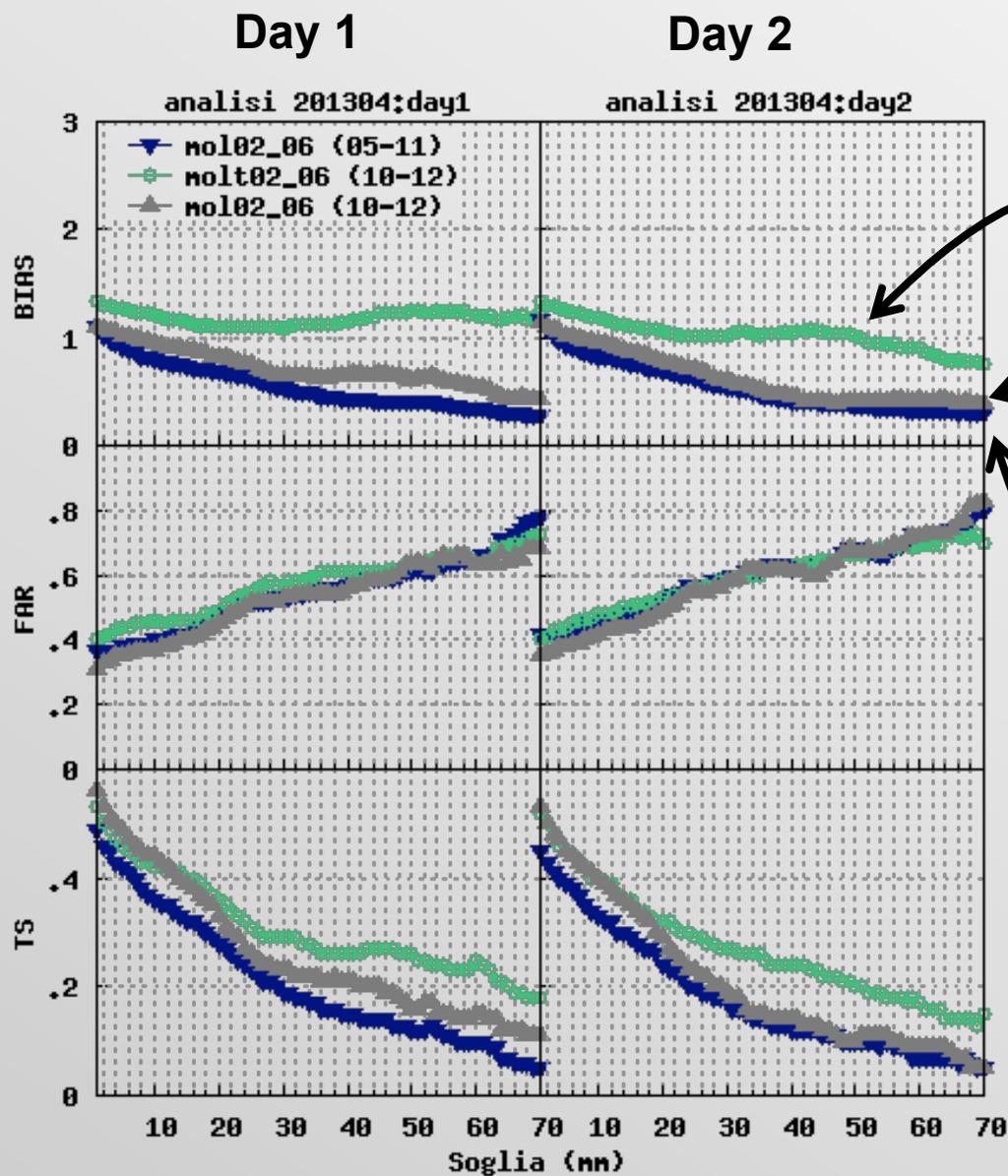
MOLOCH N. Italy

- TPrec3
- SnowF3
- TCloudC
- Temp@2m
- HMA@700
- HMA@850
- Winds@10m
- sec@LON
- sec@LAT
- lines
- section

Archivio (yyyymmddhh):







Moloch Test

**Moloch Operativo
Stessi dati Test**

**Moloch Operativo
Intero periodo**

Operational

Oper. +1 °C

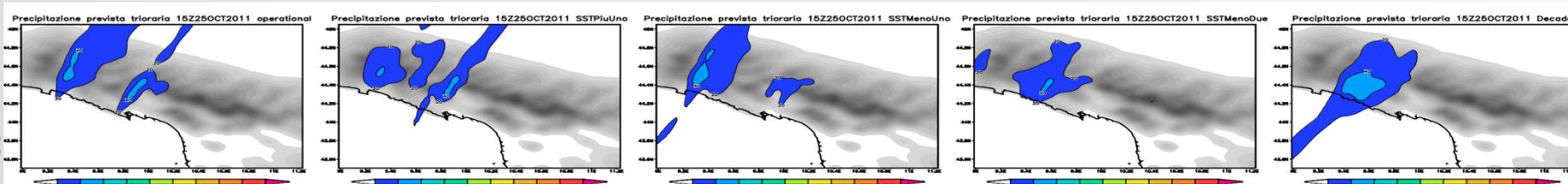
Oper. -1 °C

Oper. -2 °C

Clima

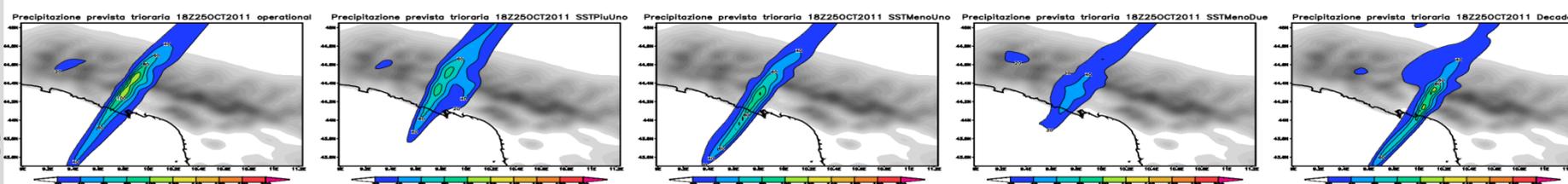
12-15

h



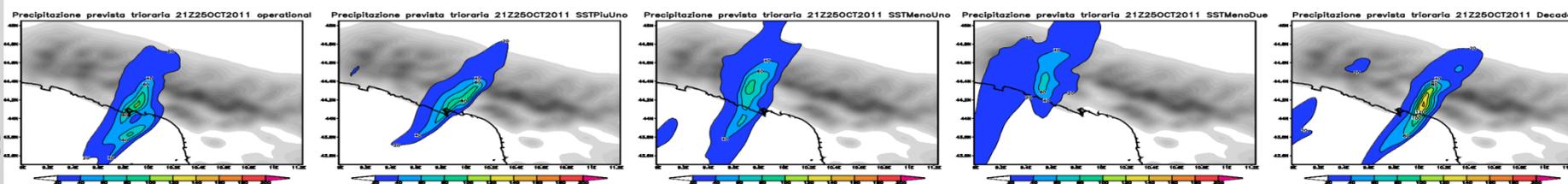
15-18

h



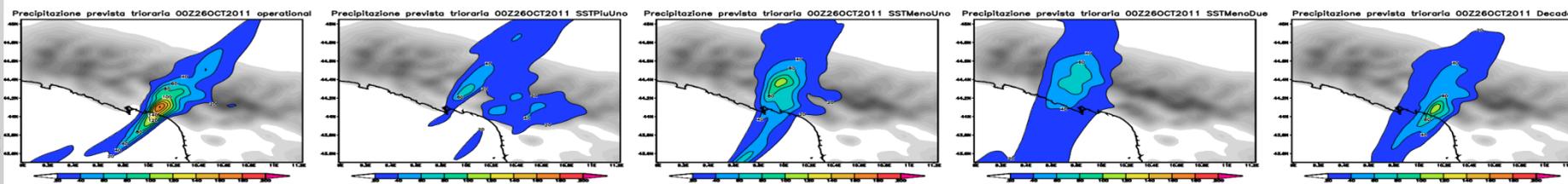
18-21

h



21-24

h



**Assimilazione dati utilizzando il modello LAPS
ISAC-CNR
Implementazione operativa nei prossimi mesi**

Condivisione dei nostri modelli con altri partner, EPS?

