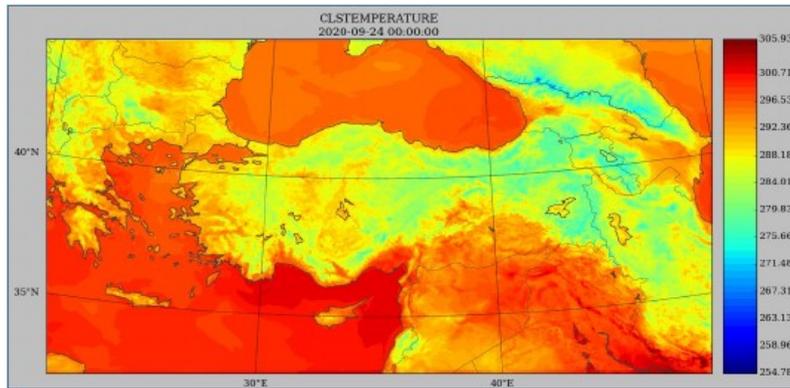


# Turkish State Meteorological Service-NWP Division(sht@mgm.gov.tr)

## 42nd EWGLAM and 27th SRNWP Meeting 2020 - virtual meeting

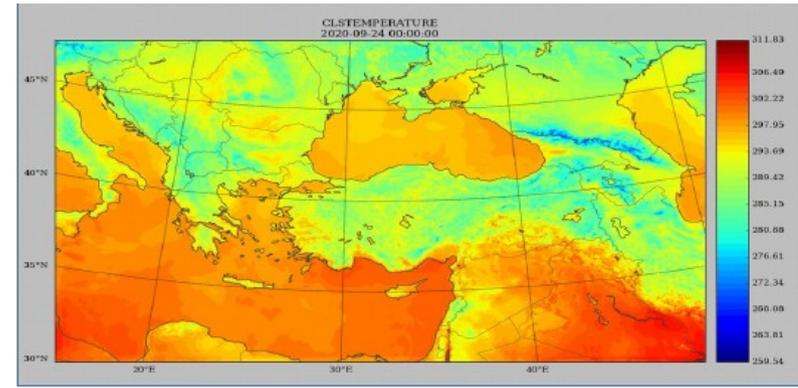
### AROME-TURKEY cy43t2-bf10

- Domain 1.7 km, 1500\*800
- 72 vertical levels, time step=60
- 3h coupling ARPEGE
- Forecasts up to 48h at 00, 06, 12 and 18 UTC



### ALARO-TURKEY cy40t1-bf7

- Domain 4.5 km, 720\*450
- 60 vertical level, time step=180
- 3h coupling ARPEGE
- Forecasts up to 72h at 00, 06, 12 and up to 60h at 18 UTC



### DASKIT ACTIVITIES with AROME-TURKEY

- Thanks to DaskIT, BATOR and CANARI (scripts provided by Maria Monteiro and Alena Trojakova) tested successfully with local synop obs at local machine.
- SAPP synop observations(bator\_decodbufr\_mod.F90 and param.cfg files were provided by Eoin Whelan) are used in the assimilation system.
- Pre-operational 3 hourly AROME surface assimilation (OI-CANARI) cycle is ready.
- Same set up as operational Arome-Turkey but with IFS lbc
- Canari namelist is updated thanks to Alena Trojakova and Jean François Mahfouf.

### PLANS

- Calculation of Ensemble B-Matrix
- Combined surface and upper air assimilation with 3 hourly RUC
- Adding more observations

```

assim_armie VMD-20200922 20200923 ...
  name: 001 001 001 001 001
  filter filter_sapp filter_sapp : ./pre/lbc == complete
  lbc lbc : ./pre/lbc == complete
  assim filter_sapp filter_sapp : ./pre/lbc == complete
  bator bator : ./filter_sapp == complete
  addsurf addsurf : ./bator == complete
  cplsurf cplsurf : ./addsurf == complete
  blendssea blendssea : ./cplsurf == complete
  canari canari : ./blendssea == complete
  forecast 001 001 : ./bator/canari == complete
  03
  06
  09
  12
  15
  18
  
```

LOCATIONS OF SAPP SYNOP OBSERVATIONS  
IN ECMA ODB 2020091800

