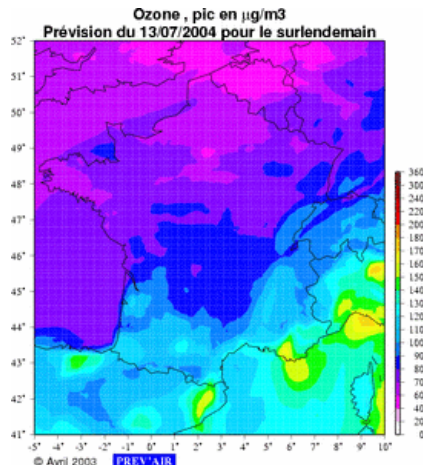
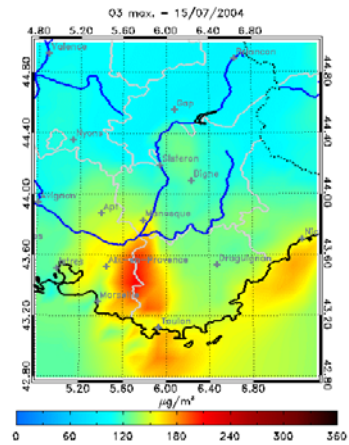


**AIRES**  
**AIR QUALITY FORECAST AND MONITORING SYSTEM AT REGIONAL SCALE**  
**APPLICATION TO THE P.A.C.A. REGION (SOUTH EAST OF FRANCE), NORTH WEST ITALY AND**  
**CORSICA**

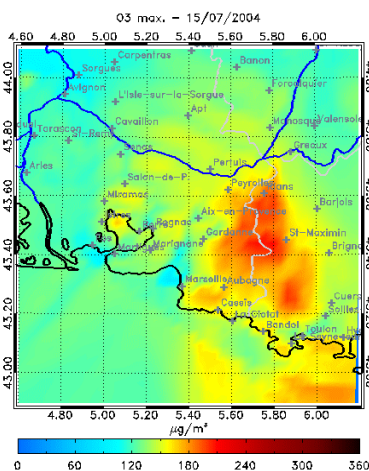
- Summary:** ⇒ Produce daily forecasts of ozone, Nox and other pollutants from D to D+2  
 ⇒ Analyse case studies over past pollution events
- Tools :** Meteorological computing : MM5 (NCAR)  
 Photochemical computing: CHIMERE Régional (IPSL/LISA)
- Output :** - Meteorological prediction maps (wind, temperature...)  
 - Ozone, NOx and possibly other chemical species concentration prediction maps (maximum, daily mean, hourly values)
- Specificities :** - Modular system allowing to implement new meteorological or chemical models as they become available;  
 - Able to operate both in "Analysis" and "Forecast" modes ;  
 Participation to the ESCOMPTE modeling exercise ;
- Partnership :** System developer and service provider: ACRI-ST  
 User: CHU Nice, GIEFS, IPLA
- Web site :** <http://www.enviport.org/prom>
- Availability :** Operational. Website open since the beginning of summer 2004.  
 Area has been recently expanded to cover Corsica and Ligurian Basin



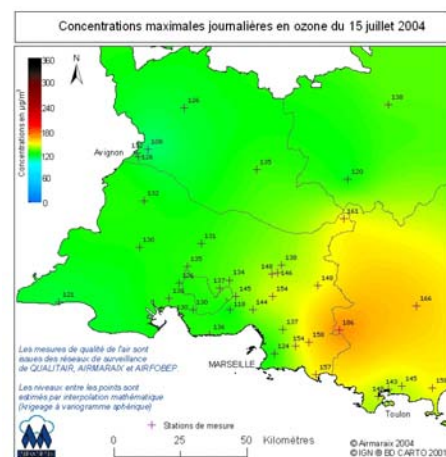
*PREV'AIR Map (15kmx15km grid)  
 D+2 prediction*



*AIRES Map (9kmx9km grid)  
 D+2 prediction*



*AIRES Map (3kmx3km grid)  
 D+2 prediction*

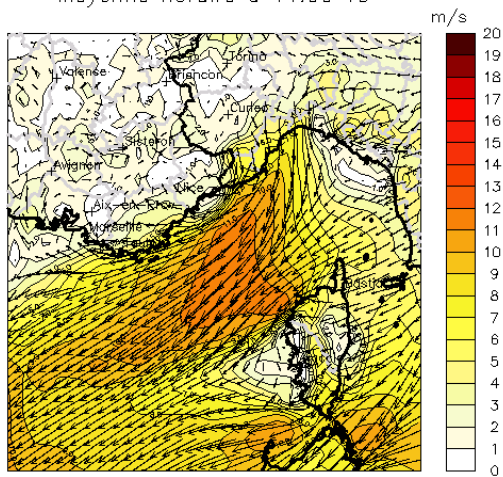


*Measured concentration map*

**Predicted (D+2) and measured ozone concentration values**

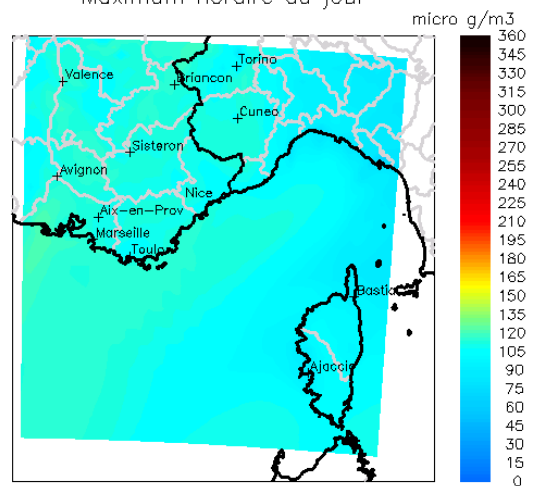
Vent horizontal (10m) 29/03/07

Moyenne horaire a 11:00 TU



03 29/03/07

Maximum horaire du jour



**Extension to Corsica**